

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031620\
 Data File : VN060541.D
 Acq On : 16 Mar 2020 22:01
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Quant Time: Mar 17 09:03:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	336003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	313817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150952	50.00	ug/l	0.00

System Monitoring Compounds

MMDadoda

33) 1,2-Dichloroethane-d4	8.00	65	132317	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
35) Dibromofluoromethane	7.56	113	100970	64.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.48%	
50) Toluene-d8	10.08	98	390673	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.40	95	151230	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	

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Target Compounds

Qvalue

2) Dichlorodifluoromethane	1.83	85	68657	38.244	ug/l	99
3) Chloromethane	2.03	50	136062	43.532	ug/l	100
4) Vinyl Chloride	2.16	62	106528	39.741	ug/l	99
5) Bromomethane	2.54	94	46725	42.967	ug/l	99
6) Chloroethane	2.68	64	67107	46.206	ug/l	98
7) Trichlorofluoromethane	3.00	101	151830	44.333	ug/l	99
8) Diethyl Ether	3.38	74	64034	49.520	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	89783	46.322	ug/l	99
10) Methyl Iodide	3.93	142	64534	36.482	ug/l	99
11) Tert butyl alcohol	4.72	59	97891	262.418	ug/l	100
12) 1,1-Dichloroethene	3.71	96	88470	47.025	ug/l	97
13) Acrolein	3.58	56	92090	264.621	ug/l	99
14) Allyl chloride	4.29	41	159528	45.994	ug/l	96
15) Acrylonitrile	4.94	53	285463	290.327	ug/l	99
16) Acetone	3.78	43	230747	284.425	ug/l	100
17) Carbon Disulfide	4.03	76	208625	41.674	ug/l	99
18) Methyl Acetate	4.28	43	151832	56.081	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	351077	51.402	ug/l	98
20) Methylene Chloride	4.52	84	107530	48.263	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	95654	47.304	ug/l	95
22) Diisopropyl ether	5.91	45	385808	54.914	ug/l	99
23) Vinyl Acetate	5.86	43	1521097	272.459	ug/l	98
24) 1,1-Dichloroethane	5.81	63	205887	51.769	ug/l	100
25) 2-Butanone	6.80	43	375479	286.537	ug/l	98
26) 2,2-Dichloropropane	6.80	77	151470	41.836	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	118232	45.764	ug/l	98
28) Bromochloromethane	7.17	49	87051	53.312	ug/l	94
29) Tetrahydrofuran	7.18	42	254891	279.723	ug/l	97
30) Chloroform	7.35	83	199106	50.292	ug/l	97
31) Cyclohexane	7.63	56	164573	48.451	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	170942	48.733	ug/l	100
36) 1,1-Dichloropropene	7.77	75	140786	43.964	ug/l	99
37) Ethyl Acetate	6.89	43	159894	52.733	ug/l	98
38) Carbon Tetrachloride	7.75	117	132774	42.586	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	150492	39.859	ug/l	98
40) Benzene	8.02	78	437808	46.973	ug/l	100
41) Methacrylonitrile	7.15	41	80934m	57.808	ug/l	
42) 1,2-Dichloroethane	8.10	62	157373	46.791	ug/l	100
43) Isopropyl Acetate	8.14	43	277313	52.241	ug/l	99
44) Trichloroethene	8.82	130	111497	42.953	ug/l	99
45) 1,2-Dichloropropane	9.10	63	123918	50.852	ug/l	99
46) Dibromomethane	9.19	93	74297	46.988	ug/l	99
47) Bromodichloromethane	9.39	83	159564	49.617	ug/l	100
48) Methyl methacrylate	9.18	41	122865	50.757	ug/l	97
49) 1,4-Dioxane	9.18	88	32750	962.076	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	823116	273.487	ug/l	100
52) Toluene	10.14	92	266004	45.434	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	180251	45.743	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	192762	47.209	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	111358	47.297	ug/l	98
56) Ethyl methacrylate	10.42	69	177240	52.399	ug/l	97
57) 1,3-Dichloropropane	10.70	76	191243	49.807	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	445721	251.951	ug/l	98
59) 2-Hexanone	10.74	43	589773	266.889	ug/l	99
60) Dibromochloromethane	10.89	129	117973	49.271	ug/l	99
61) 1,2-Dibromoethane	10.99	107	110661	48.215	ug/l	98
64) Tetrachloroethene	10.62	164	102156	41.093	ug/l	99
65) Chlorobenzene	11.43	112	284424	44.885	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	110382	47.112	ug/l	99
67) Ethyl Benzene	11.50	91	525194	45.512	ug/l	100
68) m/p-Xylenes	11.61	106	381869	87.708	ug/l	98
69) o-Xylene	11.94	106	187469	45.154	ug/l	99
70) Styrene	11.96	104	314876	46.128	ug/l	100
71) Bromoform	12.12	173	86367	51.147	ug/l #	100
73) Isopropylbenzene	12.24	105	505804	45.208	ug/l	100
74) N-amyl acetate	12.06	43	242438	49.588	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	165213	54.323	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	146350m	44.189	ug/l	
77) Bromobenzene	12.52	156	123919	45.184	ug/l	96
78) n-propylbenzene	12.59	91	592826	45.203	ug/l	99
79) 2-Chlorotoluene	12.67	91	352232	45.690	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	425097	45.127	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	58671	48.902	ug/l #	84
82) 4-Chlorotoluene	12.77	91	364753	44.908	ug/l	98
83) tert-Butylbenzene	12.99	119	367684	45.082	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	424960	44.694	ug/l	100
85) sec-Butylbenzene	13.17	105	486961	44.587	ug/l	99
86) p-Isopropyltoluene	13.28	119	428996	42.438	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	217136	46.061	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	216513	46.179	ug/l	99
89) n-Butylbenzene	13.61	91	384768	41.464	ug/l	99
90) Hexachloroethane	13.87	117	67296	45.992	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	212801	44.281	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32954	47.849	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	129674	42.479	ug/l	100
94) Hexachlorobutadiene	15.01	225	61834	43.982	ug/l	99
95) Naphthalene	15.13	128	393652	43.733	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	125068	43.466	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

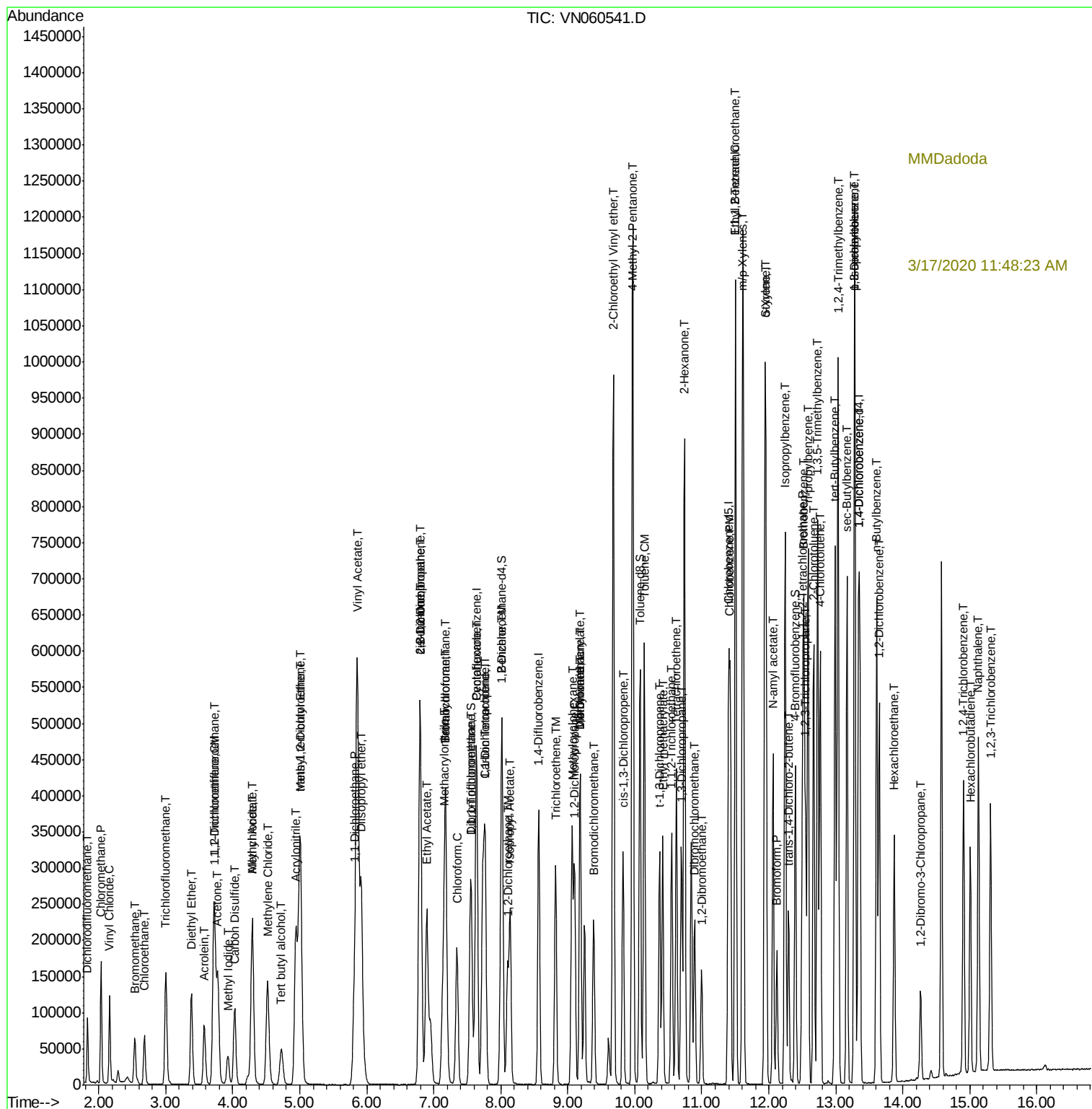
3/17/2020 11:48:23 AM

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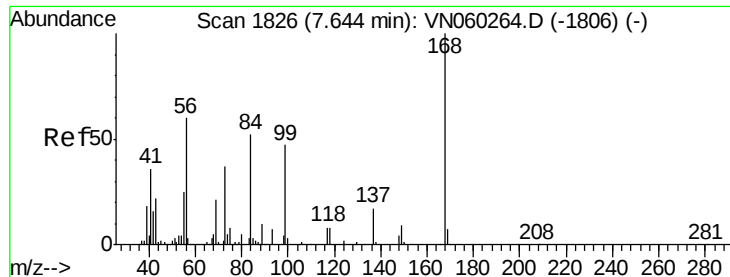
Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 195807

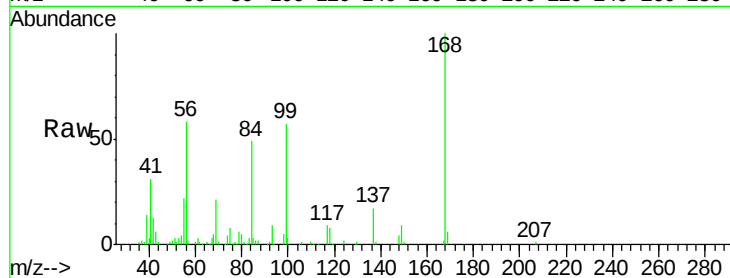
Ion Ratio Lower Upper

168 100

99 56.8 44.7 67.1

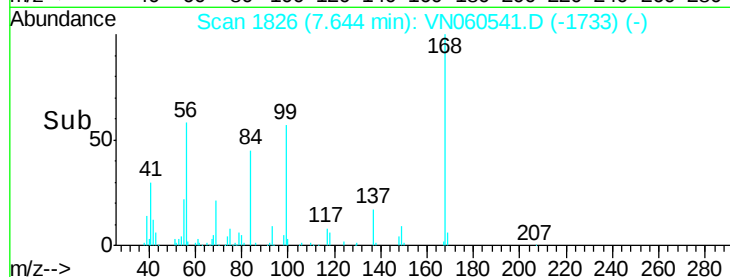
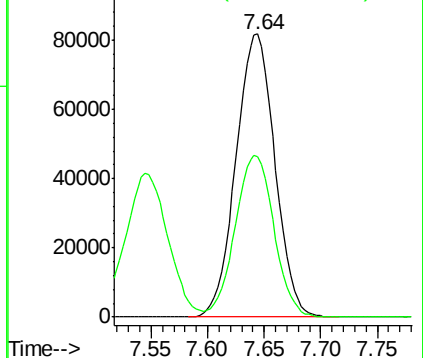
Manual Integrations

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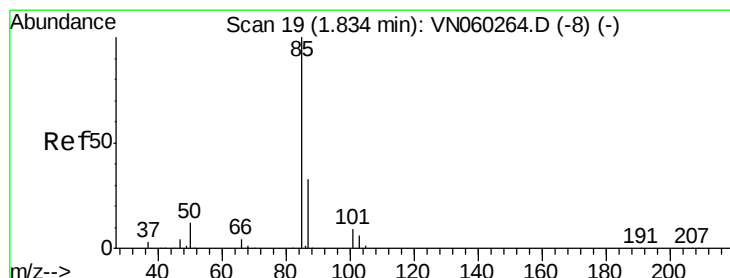
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



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#2

Dichlorodifluoromethane

Concen: 38.244 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060541.D

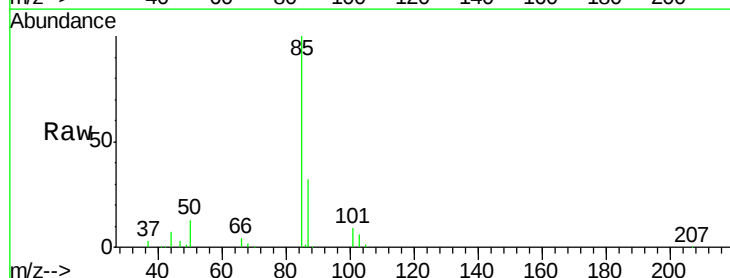
Acq: 16 Mar 2020 22:01

Tgt Ion: 85 Resp: 68657

Ion Ratio Lower Upper

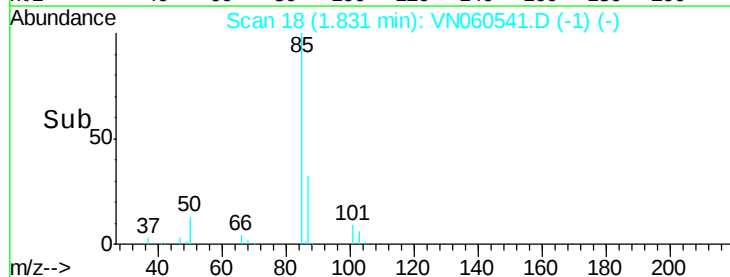
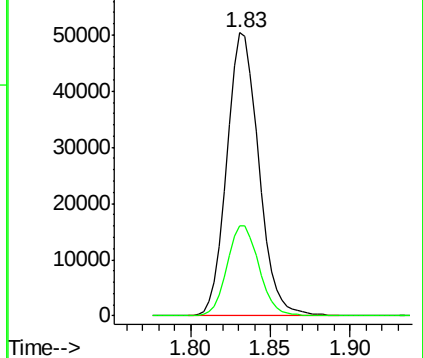
85 100

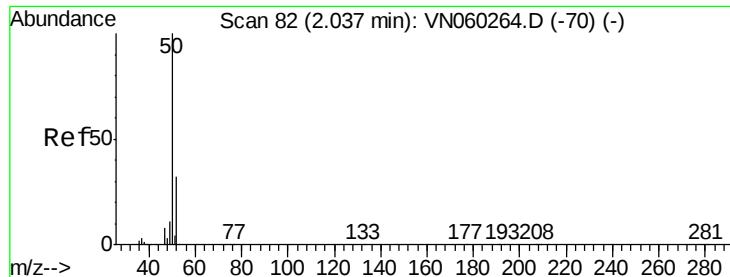
87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.532 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

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ClientSampleId :

VSTDCCC050EC

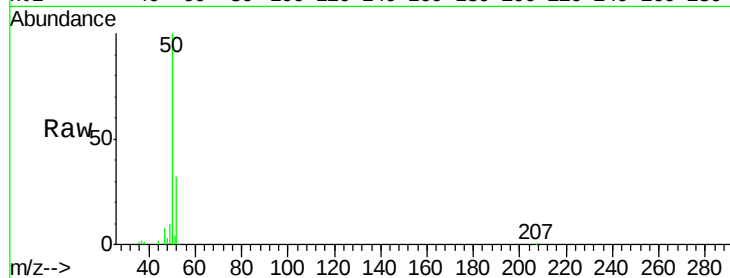
Tot Ion: 50 Resp: 136062

Ion Ratio Lower Upper

50 100

52 32.1 25.6 38.4

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

120000

100000

80000

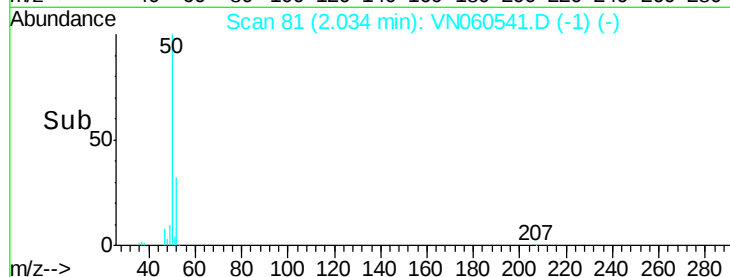
60000

40000

20000

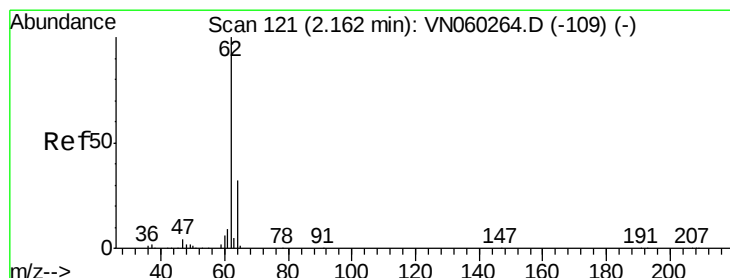
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Time-->



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#4

Vinyl Chloride

Concen: 39.741 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060541.D

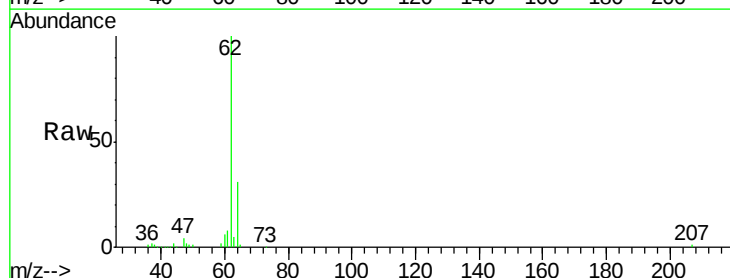
Acq: 16 Mar 2020 22:01

Tgt Ion: 62 Resp: 106528

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

80000

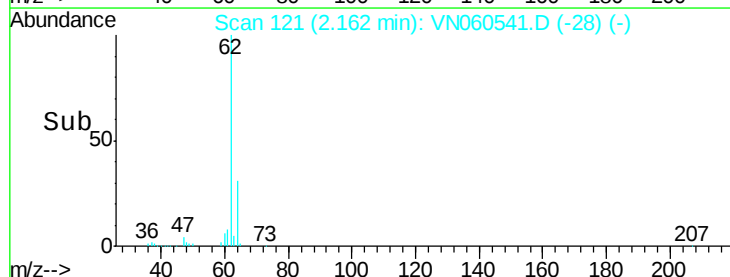
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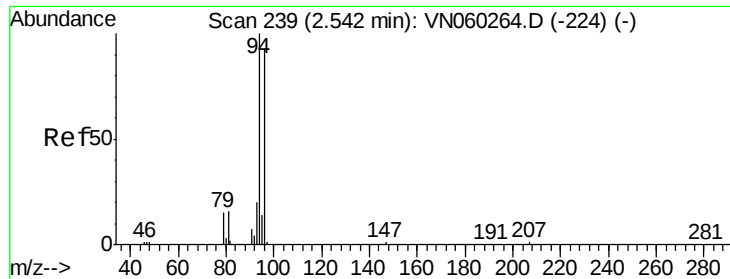
40000

20000

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Time-->





#5

Bromomethane

Concen: 42.967 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060541.D

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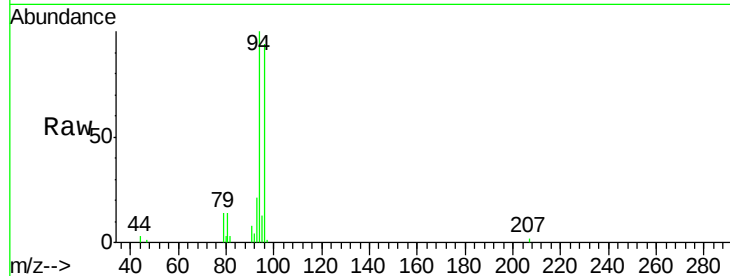
Tot Ion: 94 Resp: 46725

Ion Ratio Lower Upper

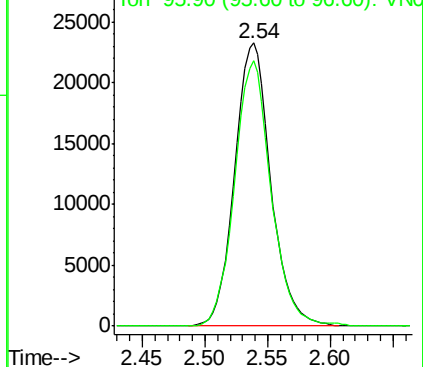
94 100

96 93.6 74.3 111.5

Manual Integrations
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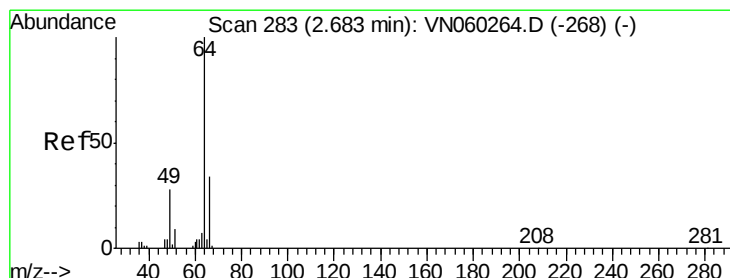
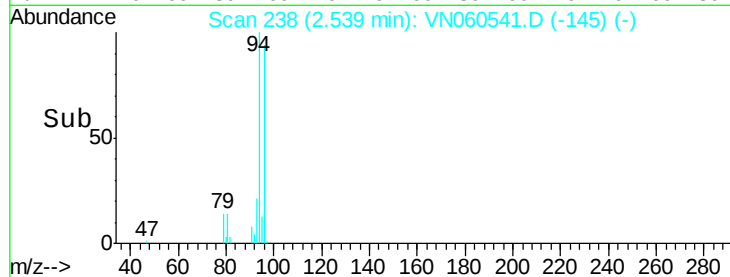


Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



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#6

Chloroethane

Concen: 46.206 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060541.D

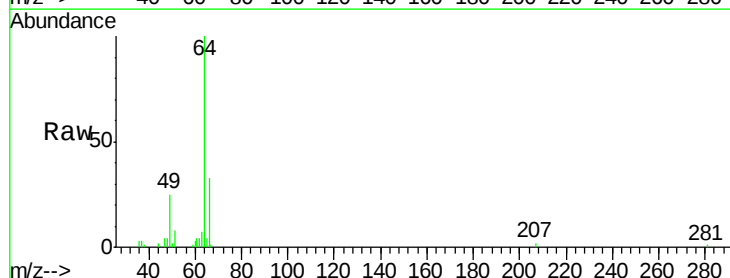
Acq: 16 Mar 2020 22:01

Tgt Ion: 64 Resp: 67107

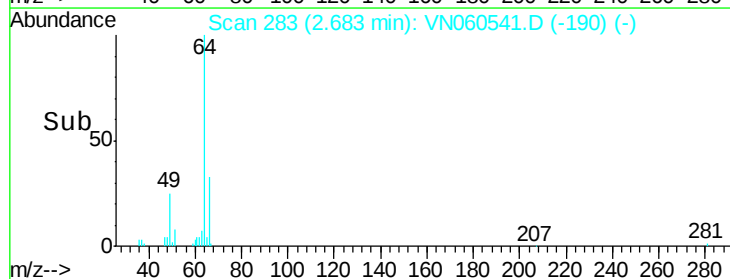
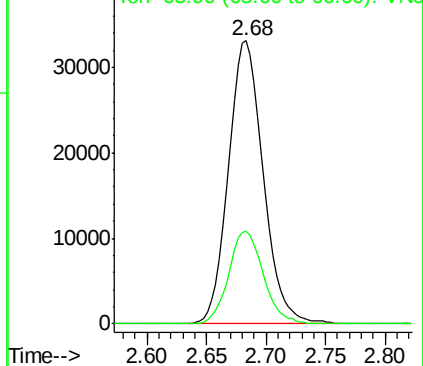
Ion Ratio Lower Upper

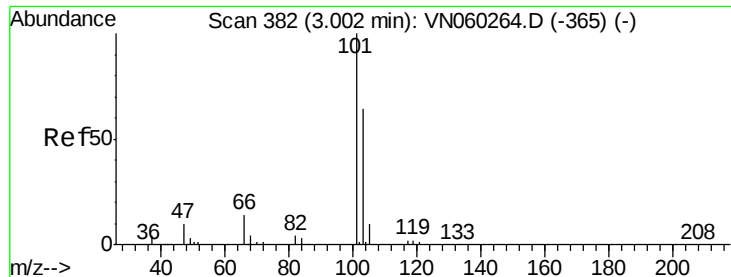
64 100

66 32.9 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





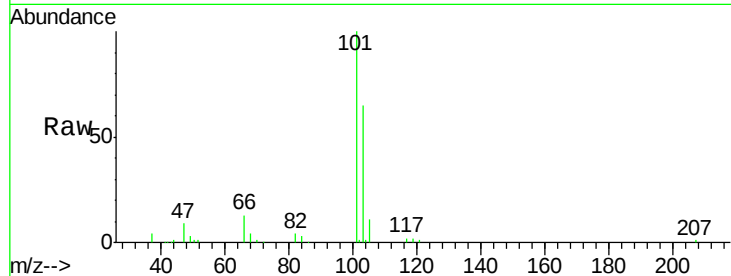
#7

Trichlorofluoromethane
Concen: 44.333 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

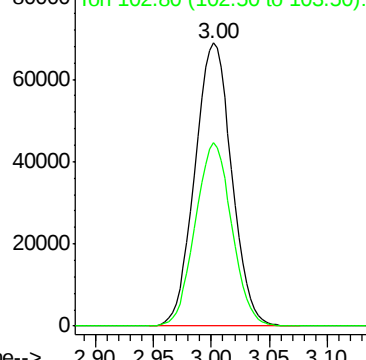
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.3	76.9

Manual Integrations
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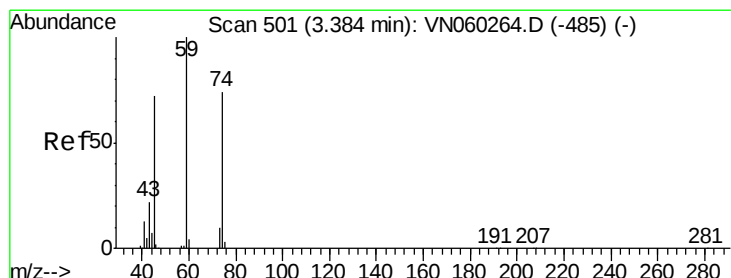
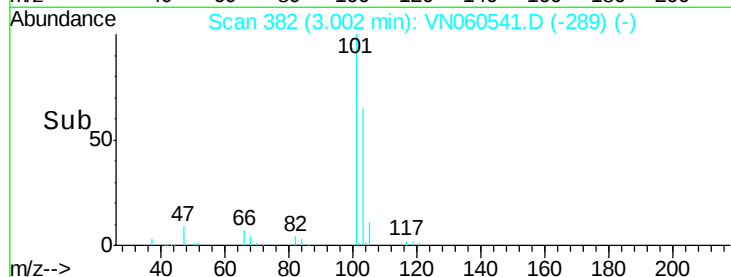


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



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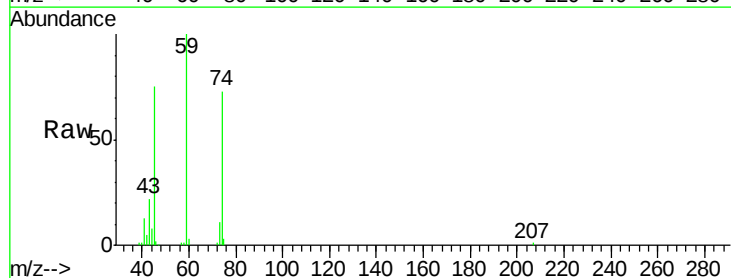
3/17/2020 11:48:23 AM



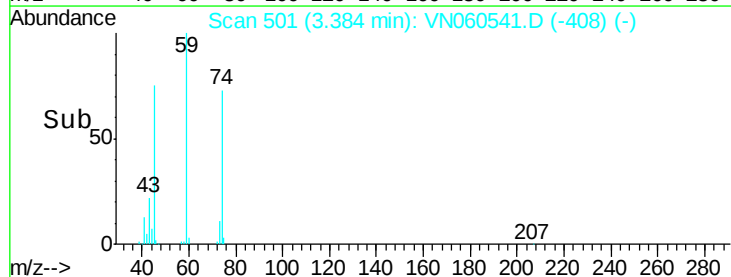
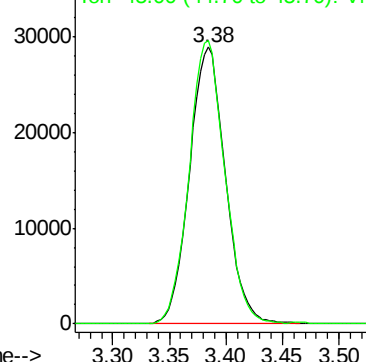
#8

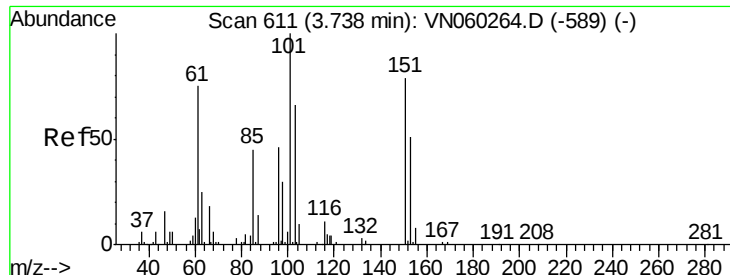
Diethyl Ether
Concen: 49.520 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.6	49.5	148.7



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.322 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

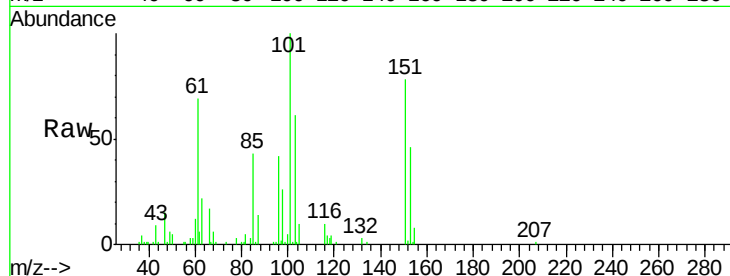
MSVOA_N

ClientSampleId :

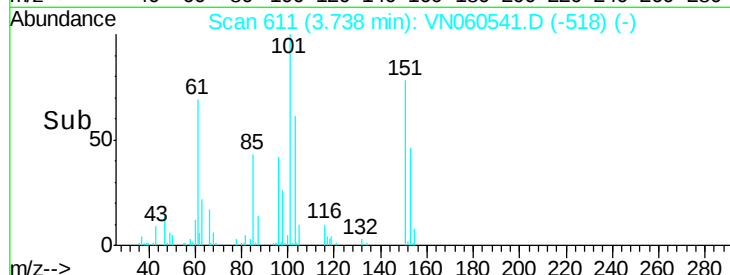
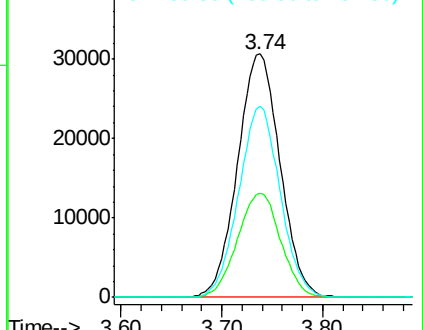
VSTDCCC050EC

Tot Ion:	101	Resp:	89783
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.4	53.2
151	76.5	62.0	93.0

Manual Integrations
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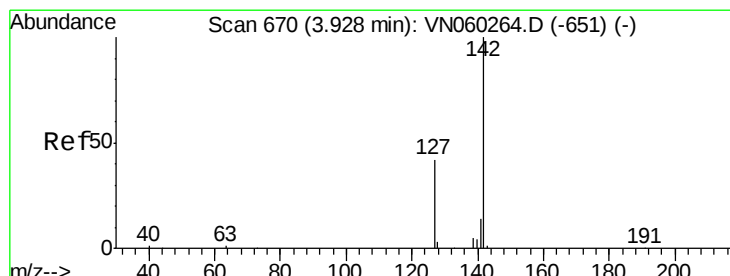


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



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3/17/2020 11:48:23 AM



#10

Methyl Iodide

Concen: 36.482 ug/l

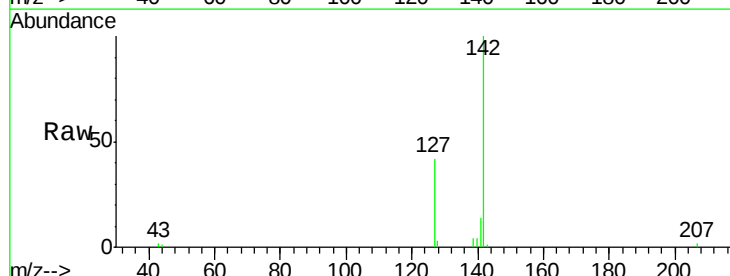
RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

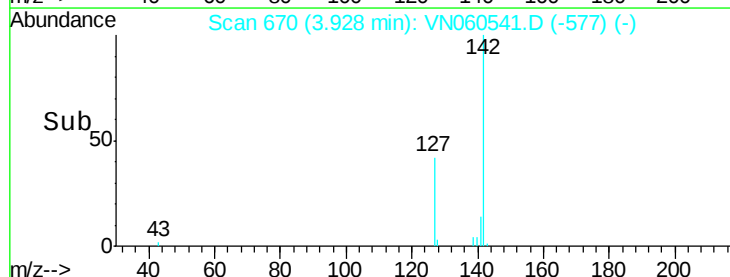
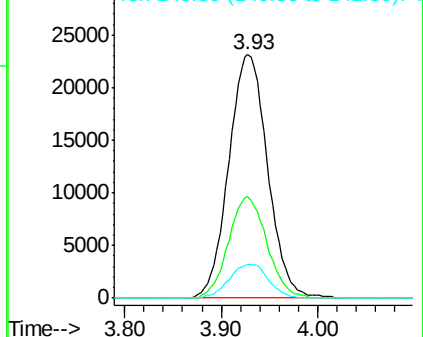
Lab File: VN060541.D

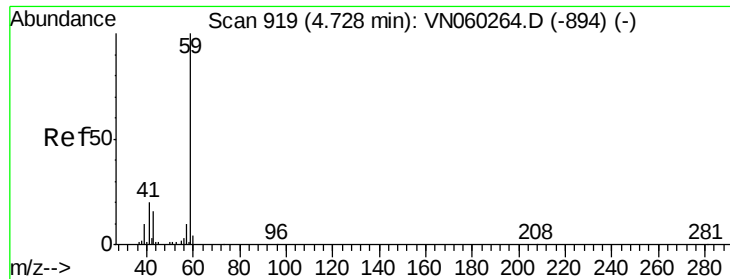
Acq: 16 Mar 2020 22:01

Tgt Ion:	142	Resp:	64534
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.8	50.6
141	14.0	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



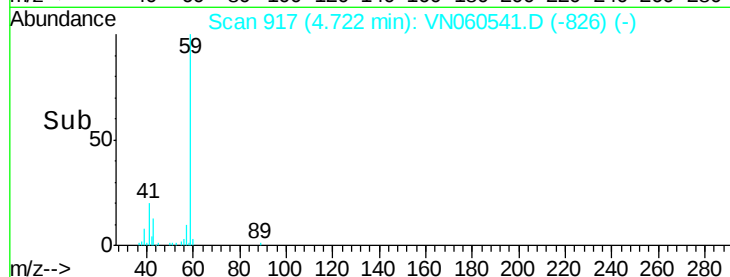
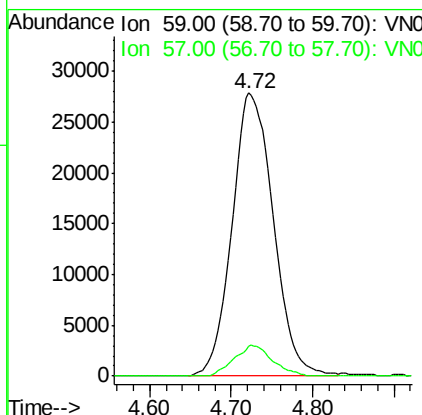
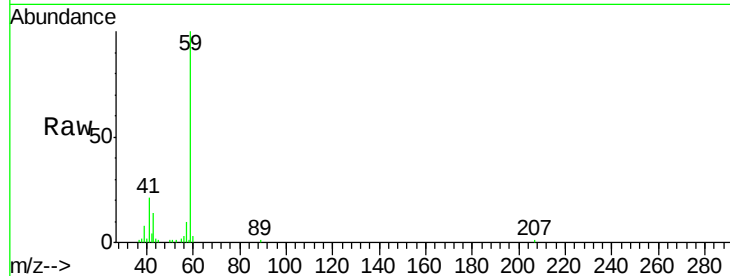


#11
Tert butyl alcohol
Concen: 262.418 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

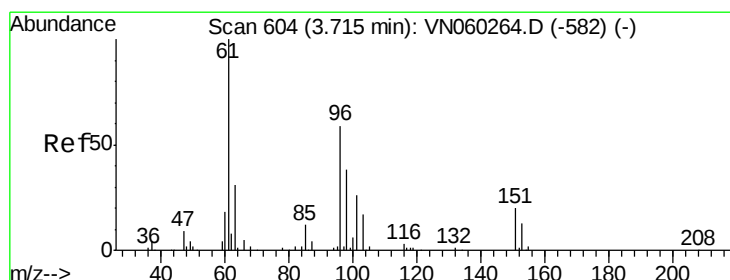
Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

Manual Integrations
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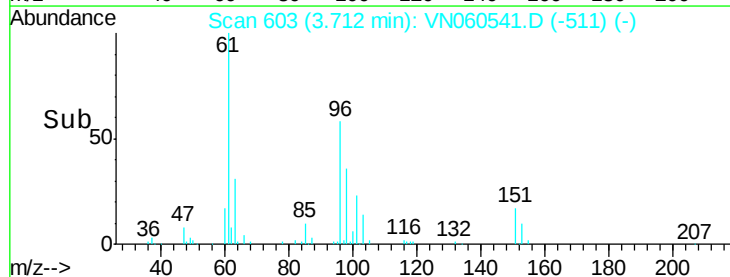
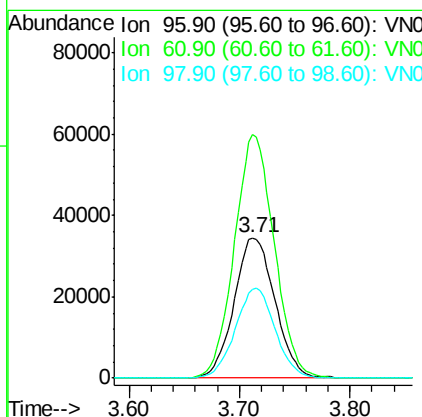
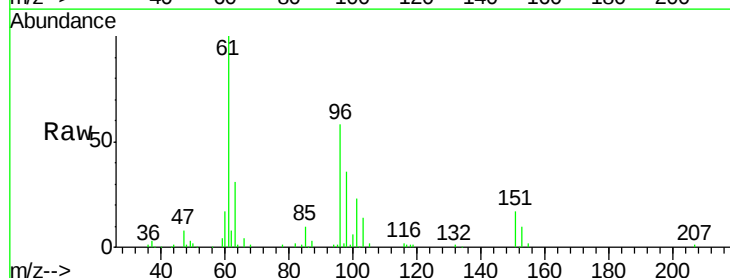
MMDadoda

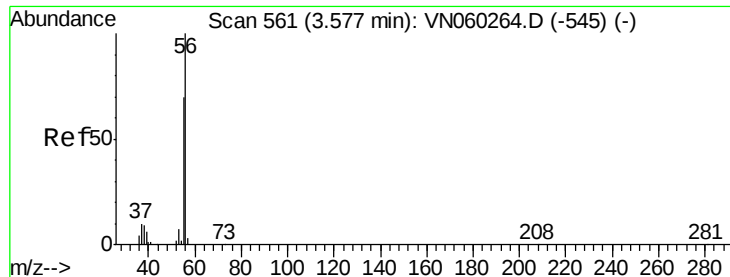
3/17/2020 11:48:23 AM



#12
1,1-Dichloroethene
Concen: 47.025 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.2	135.4	203.0
98	62.9	51.6	77.4





#13

Acrolein

Concen: 264.621 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

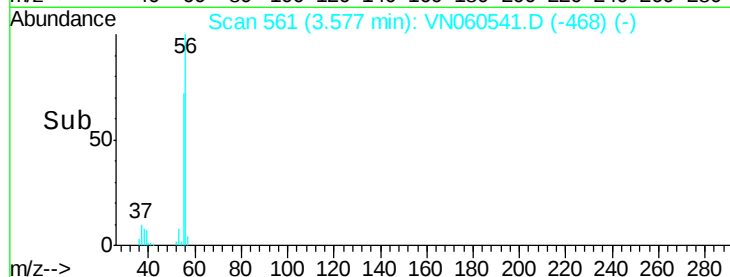
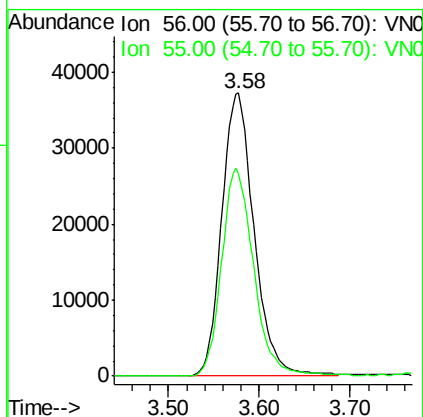
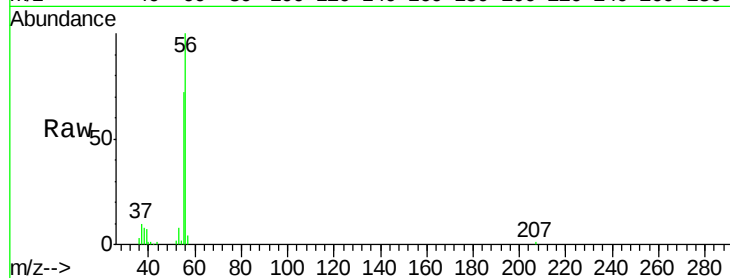
Tot Ion: 56 Resp: 92090

Ion Ratio Lower Upper

56 100

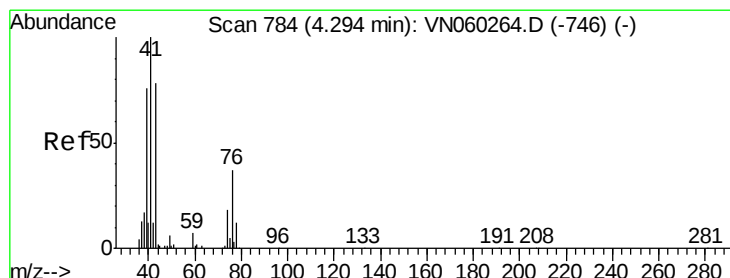
55 72.6 57.4 86.0

Manual Integrations
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#14

Allyl chloride

Concen: 45.994 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

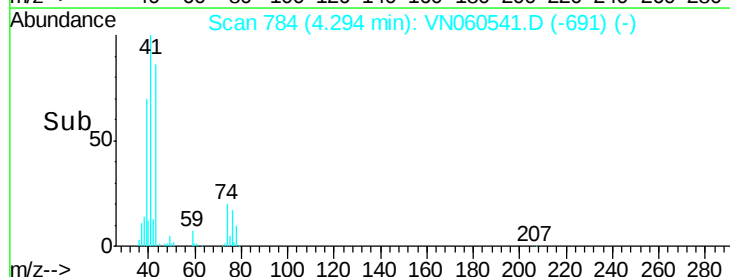
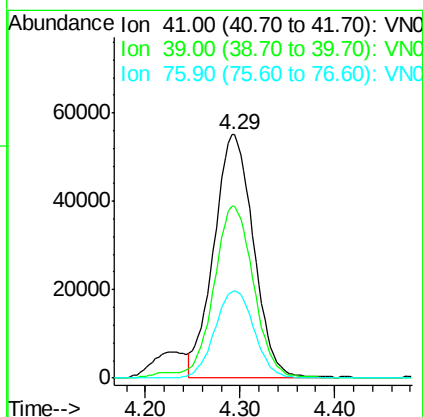
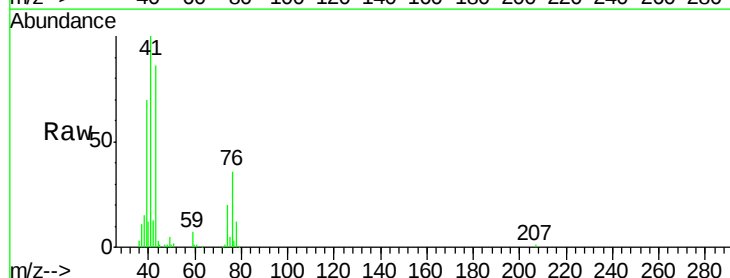
Tgt Ion: 41 Resp: 159528

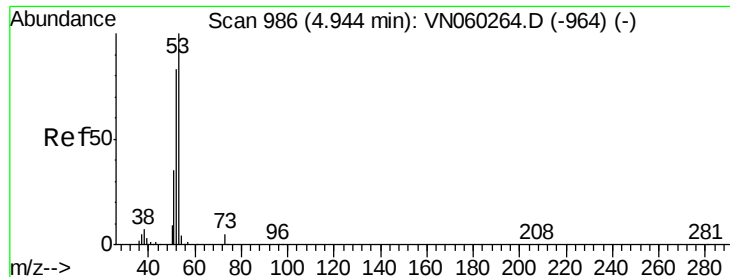
Ion Ratio Lower Upper

41 100

39 72.5 55.4 83.2

76 35.7 27.0 40.6





#15

Acrylonitrile

Concen: 290.327 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

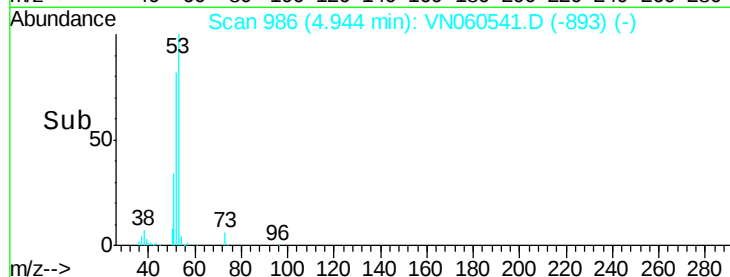
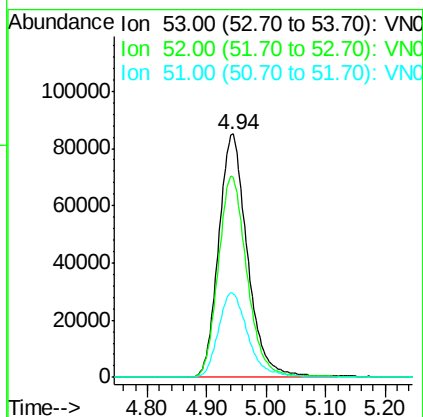
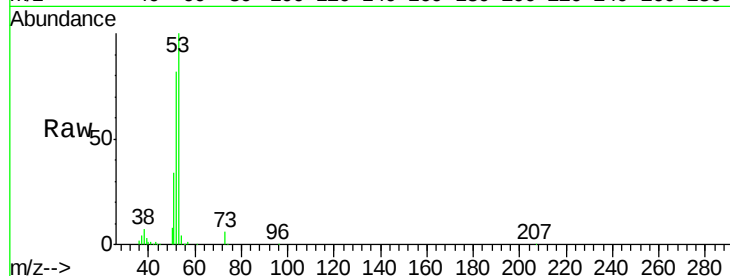
MSVOA_N

ClientSampleId :

VSTDCCC050EC

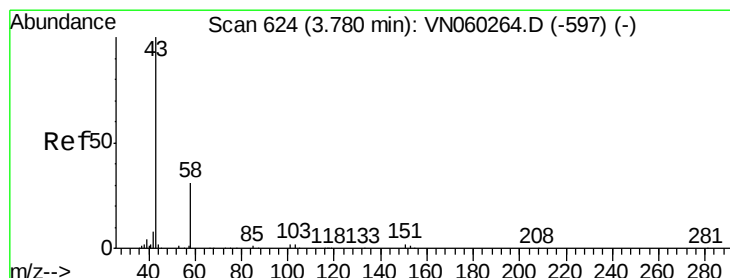
Tot Ion:	53	Resp:	285463
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.8	100.2
51	35.8	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 284.425 ug/l

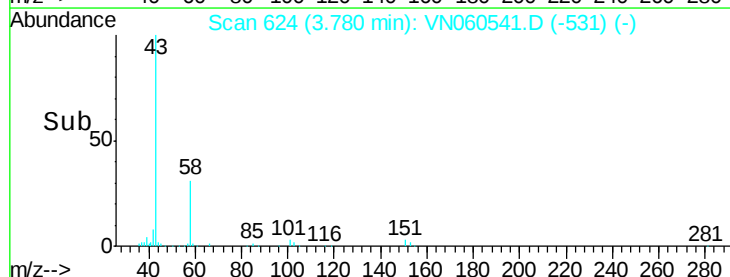
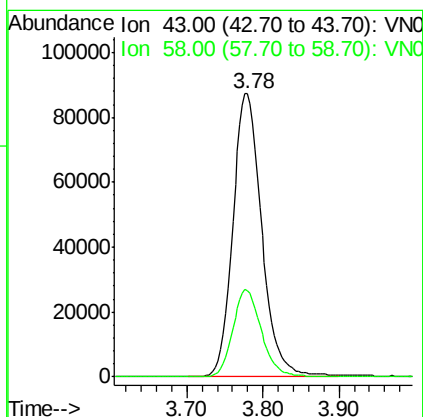
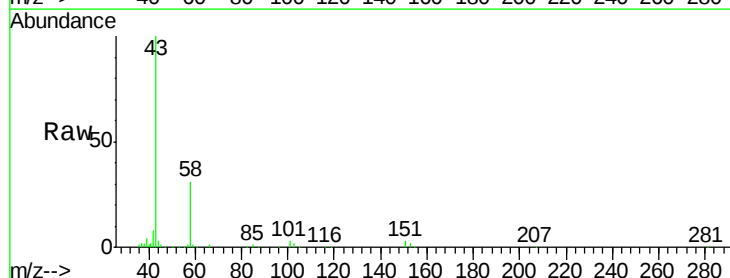
RT: 3.78 min Scan# 624

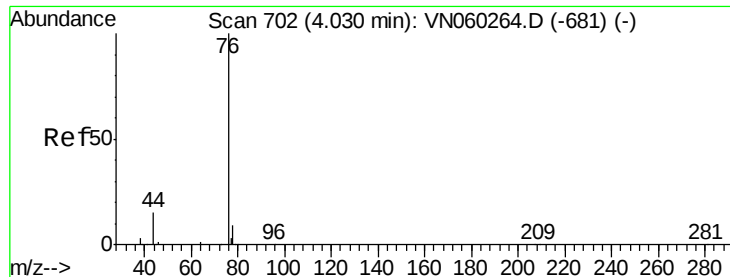
Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Tgt Ion:	43	Resp:	230747
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.6	36.8



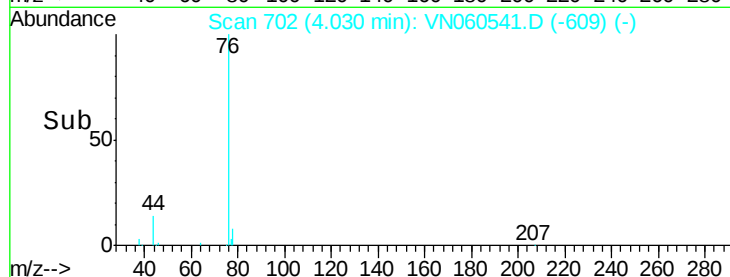
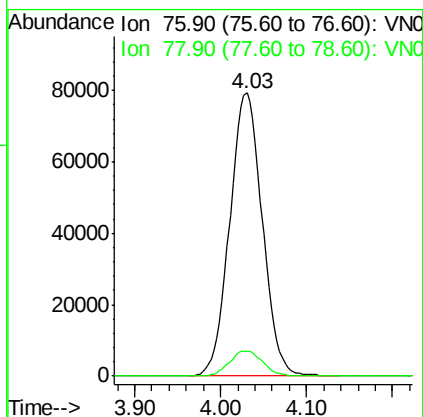
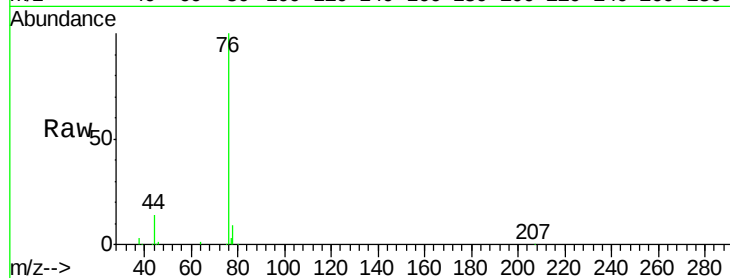


#17
Carbon Disulfide
Concen: 41.674 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

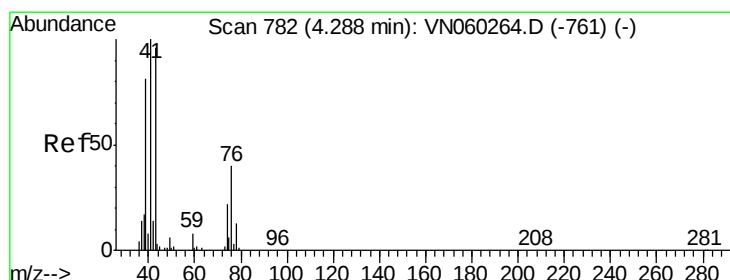
Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

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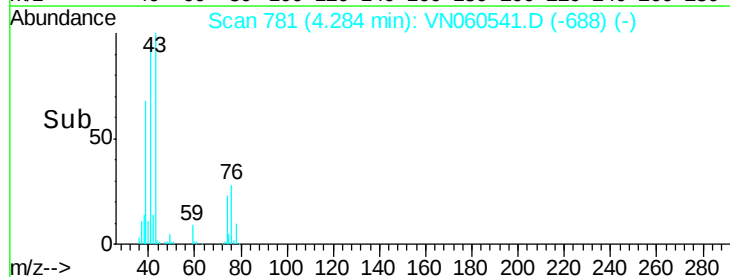
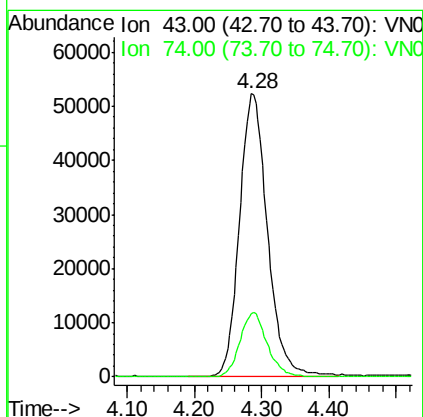
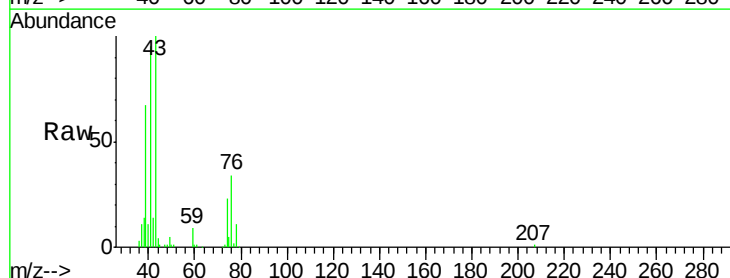
MMDadoda

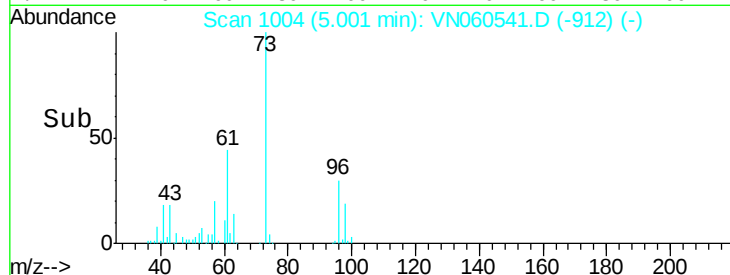
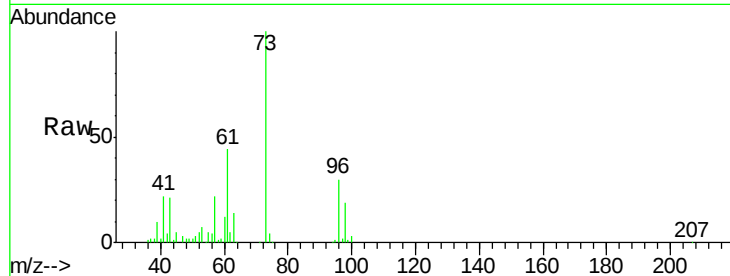
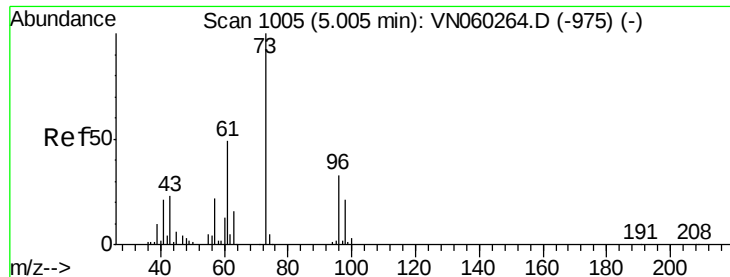
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#18
Methyl Acetate
Concen: 56.081 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	18.8	28.2



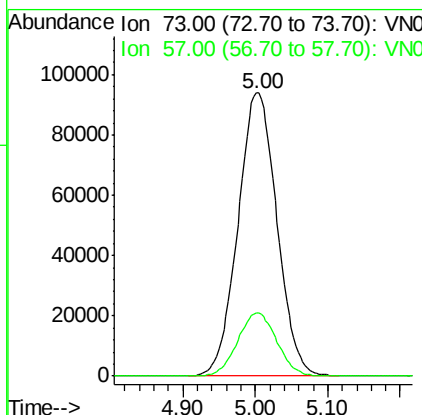


#19
Methvl tert-butvl Ether
Concen: 51.402 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tot Ion: 73 Resp: 351077
Ion Ratio Lower Upper
73 100
57 22.4 17.3 25.9

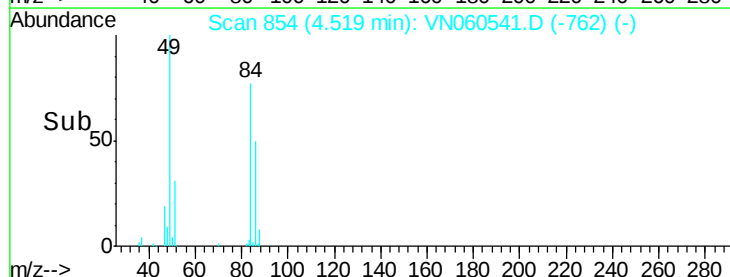
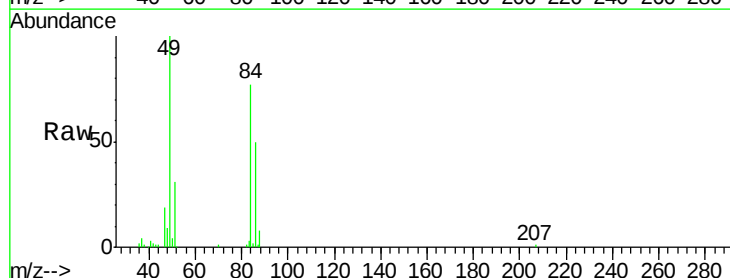
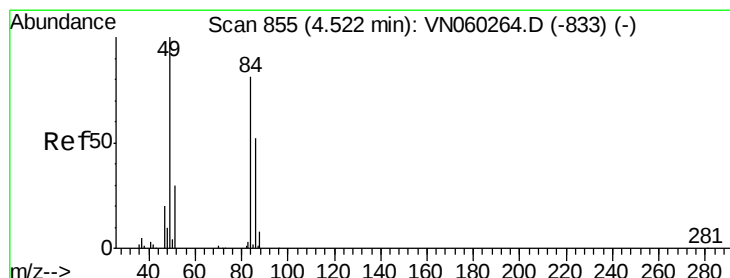
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

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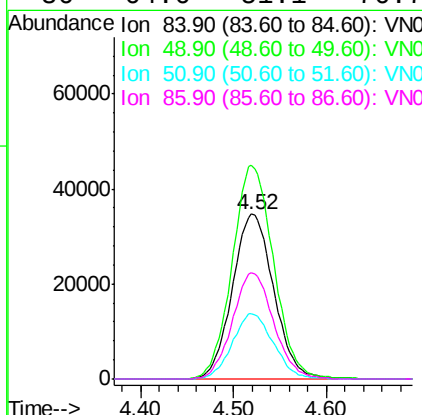
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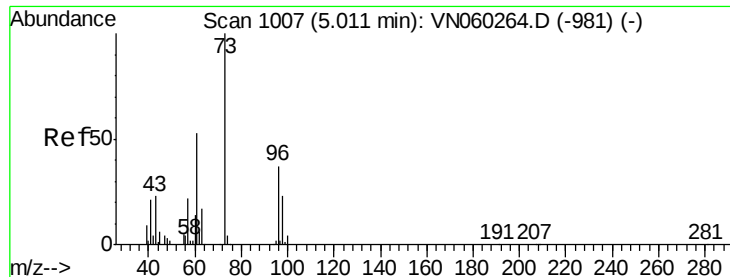
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#20
Methylene Chloride
Concen: 48.263 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion: 84 Resp: 107530
Ion Ratio Lower Upper
84 100
49 129.6 99.3 148.9
51 39.6 30.1 45.1
86 64.6 51.1 76.7





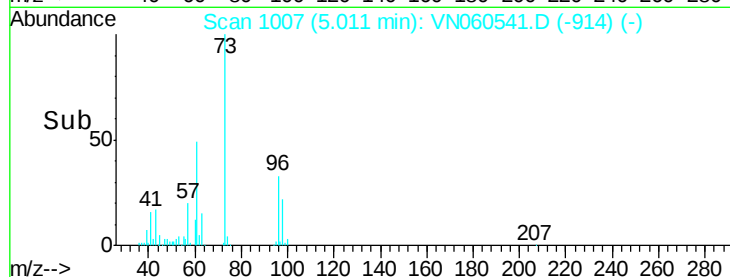
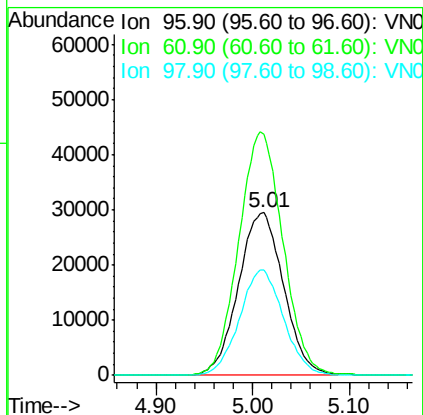
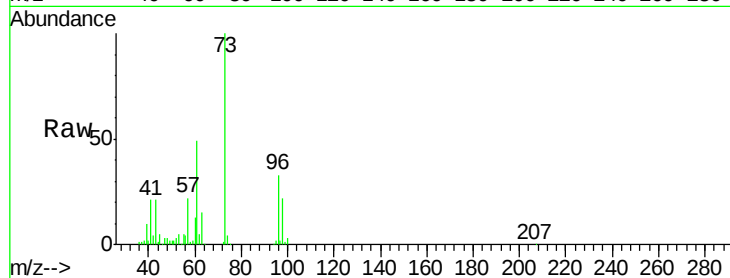
#21

trans-1,2-Dichloroethene
Concen: 47.304 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

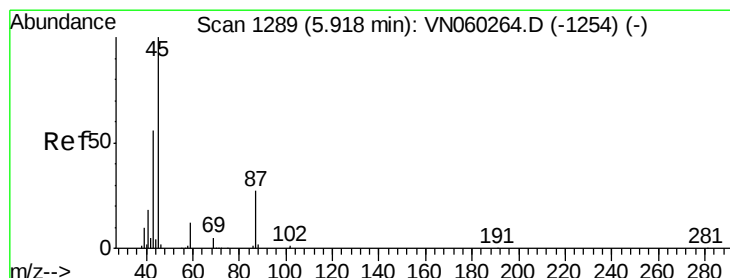
Tot Ion	Ratio	Lower	Upper
96	100		
61	147.8	113.8	170.8
98	64.7	48.8	73.2

Manual Integrations
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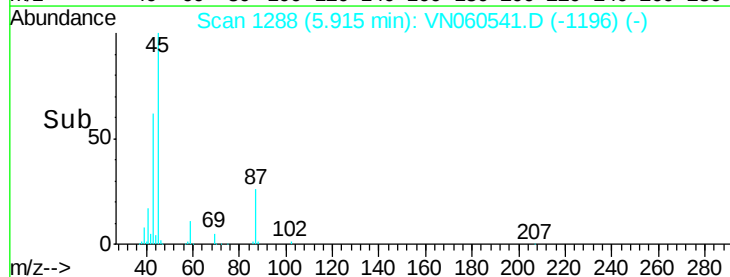
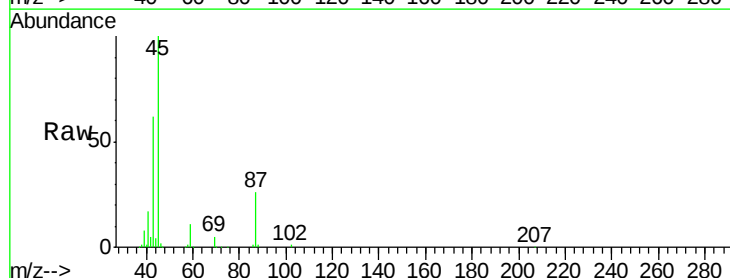
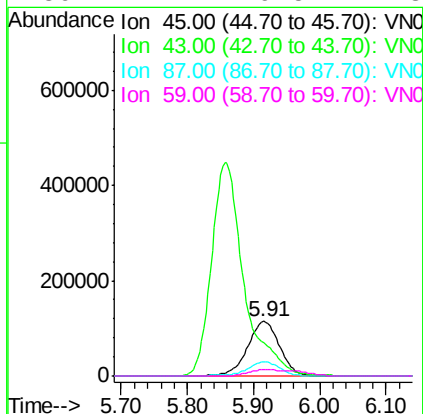
3/17/2020 11:48:23 AM

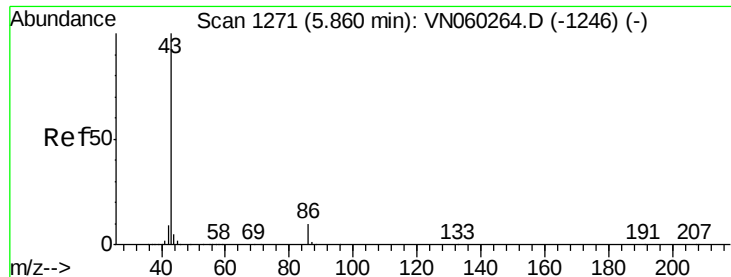


#22

Diisopropyl ether
Concen: 54.914 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.7	48.6	72.8
87	25.7	22.2	33.2
59	11.2	9.5	14.3





#23

Vinyl Acetate

Concen: 272.459 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

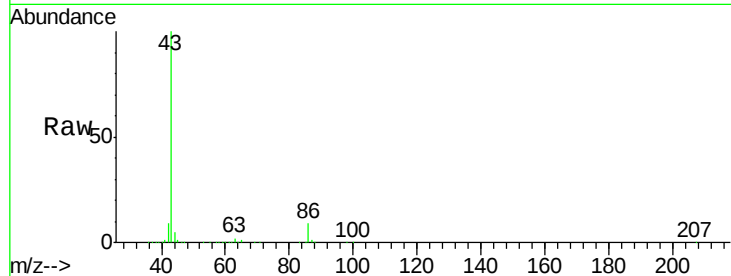
Tot Ion: 43 Resp: 1521097

Ion Ratio Lower Upper

43 100

86 9.3 8.0 12.0

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN060541.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060541.D (-1178) (-)

5.86

500000

400000

300000

200000

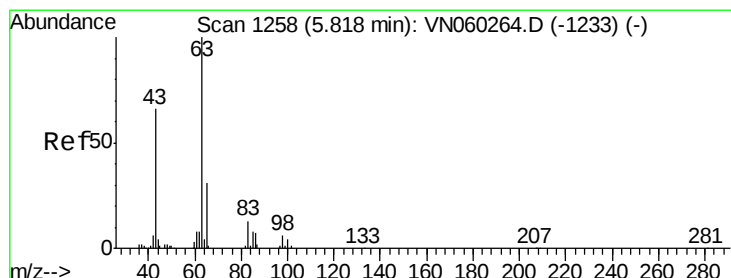
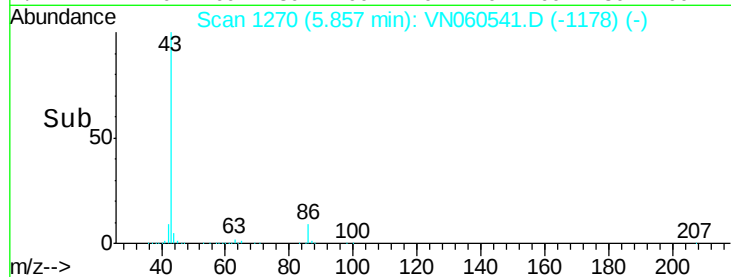
100000

0

Time--> 5.70 5.80 5.90 6.00 6.10

MMDadoda

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#24

1,1-Dichloroethane

Concen: 51.769 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

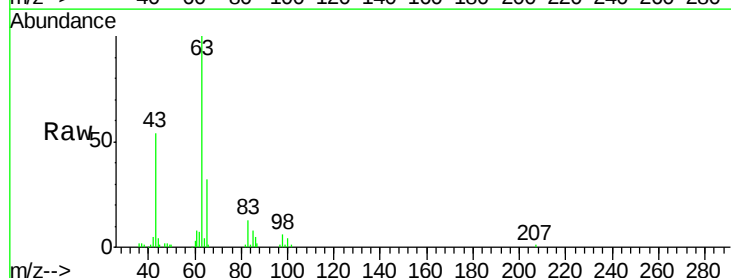
Tgt Ion: 63 Resp: 205887

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

100 3.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060541.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060541.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060541.D (-1165) (-)

5.81

80000

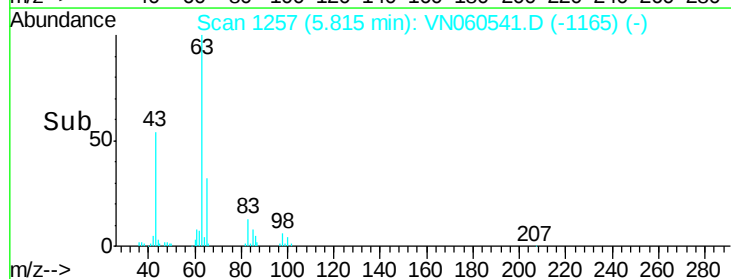
60000

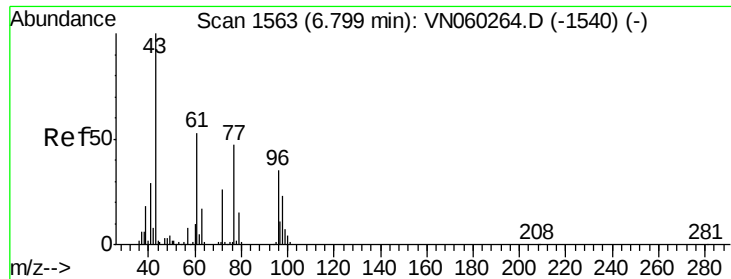
40000

20000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 286.537 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

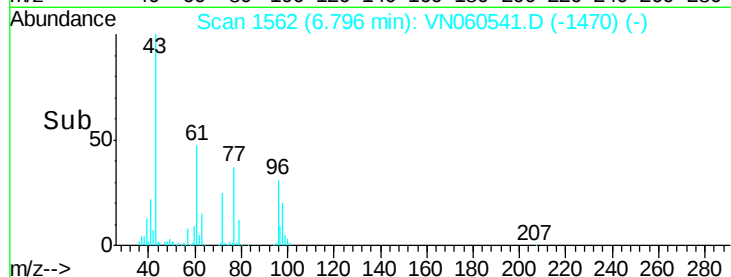
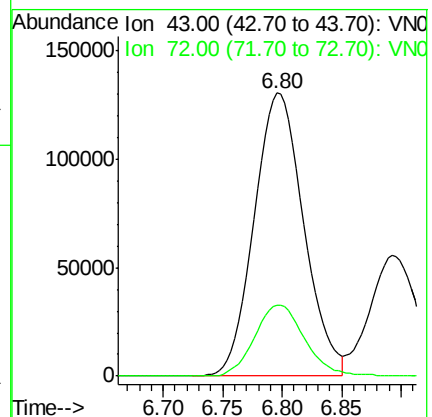
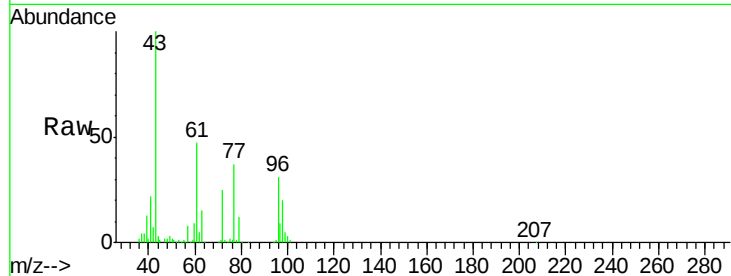
Tot Ion: 43 Resp: 375479

Ion Ratio Lower Upper

43 100

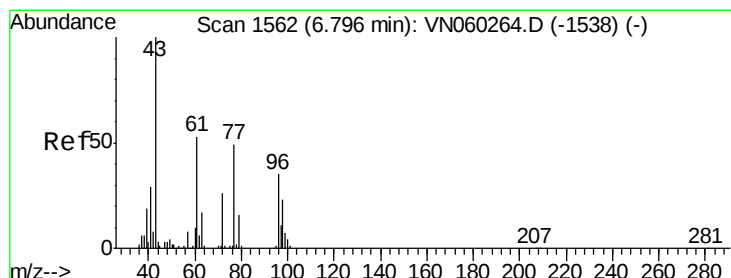
72 25.2 20.9 31.3

Manual Integrations
APPROVED



MMDadoda

3/17/2020 11:48:23 AM



#26

2,2-Dichloropropane

Concen: 41.836 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060541.D

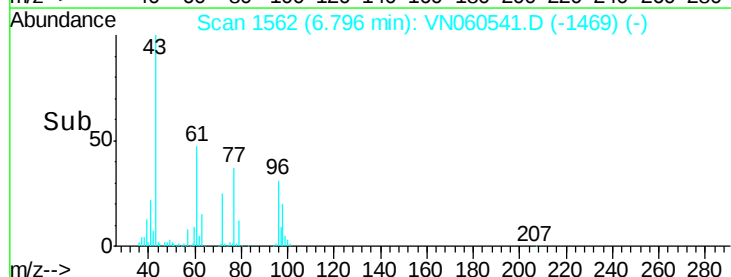
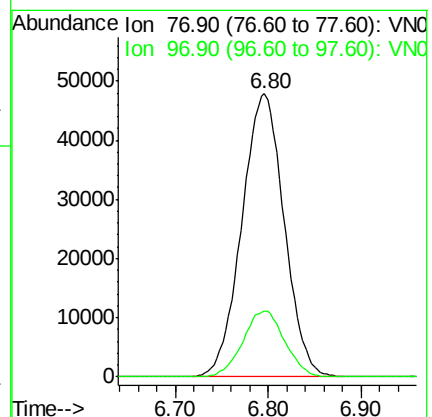
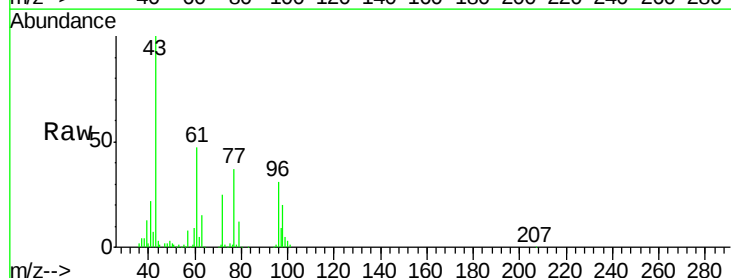
Acq: 16 Mar 2020 22:01

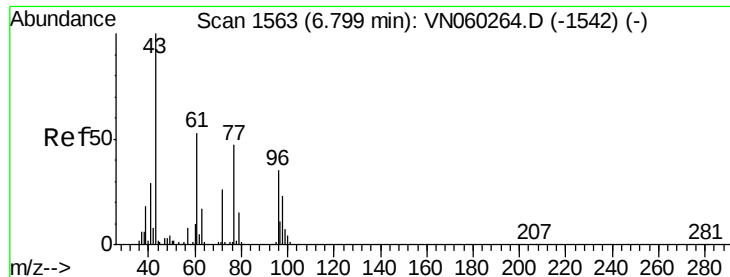
Tgt Ion: 77 Resp: 151470

Ion Ratio Lower Upper

77 100

97 23.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 45.764 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

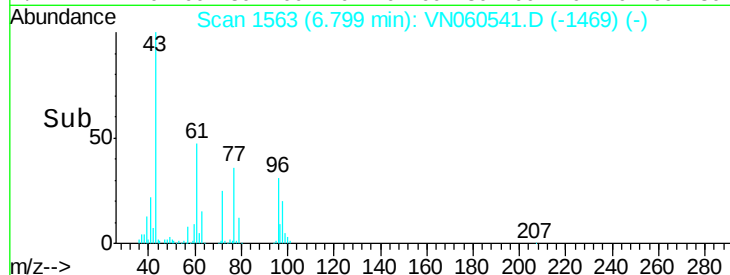
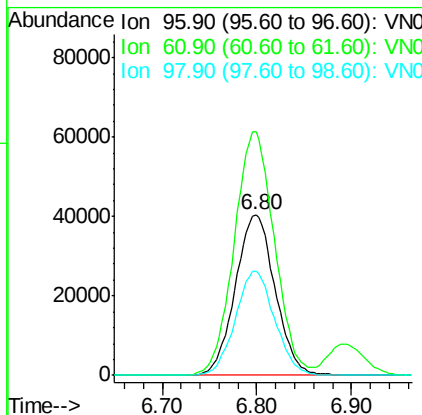
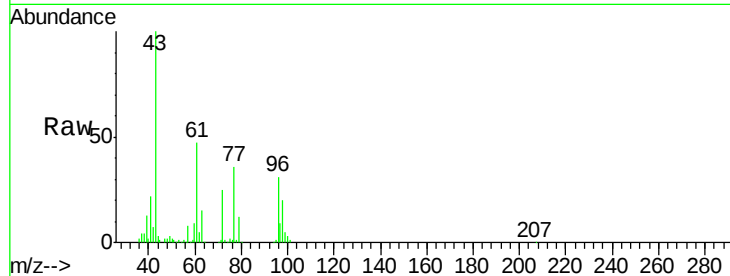
MSVOA_N

ClientSampleId :

VSTDCCC050EC

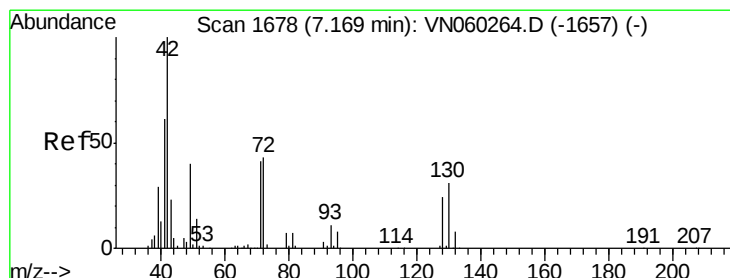
Tot Ion:	96	Resp:	118232
Ion	Ratio	Lower	Upper
96	100		
61	153.2	0.0	300.8
98	63.8	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 53.312 ug/l

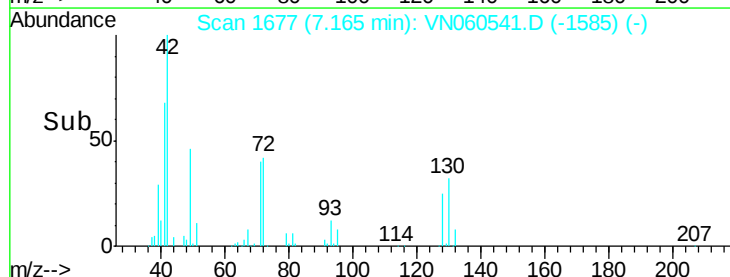
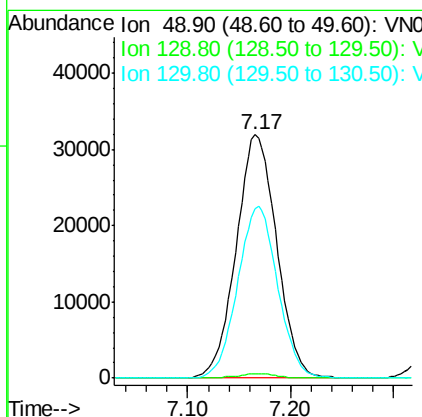
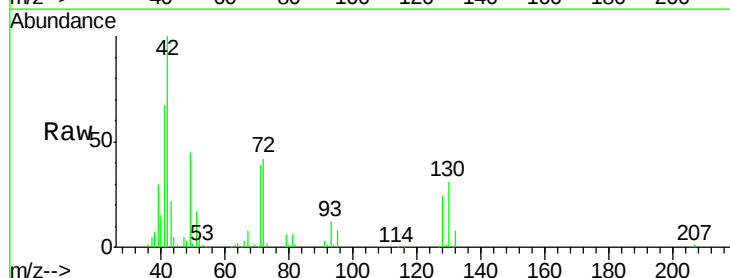
RT: 7.17 min Scan# 1677

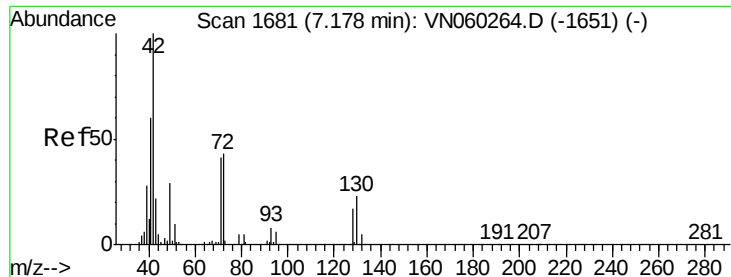
Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Tgt Ion:	49	Resp:	87051
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	69.6	59.8	89.8



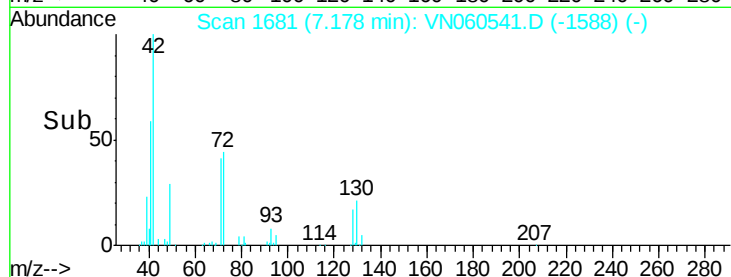
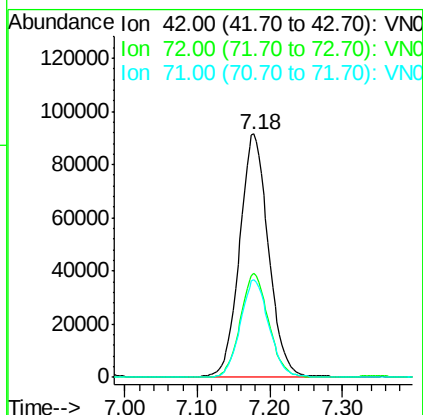
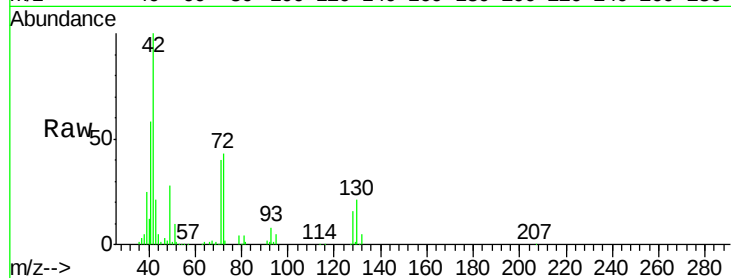


#29
Tetrahydrofuran
Concen: 279.723 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

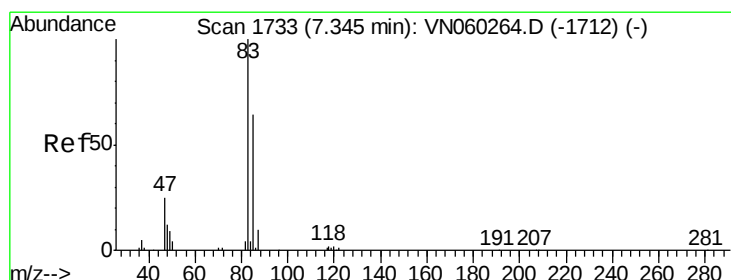
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.6	52.0
71	39.4	32.9	49.3

Manual Integrations
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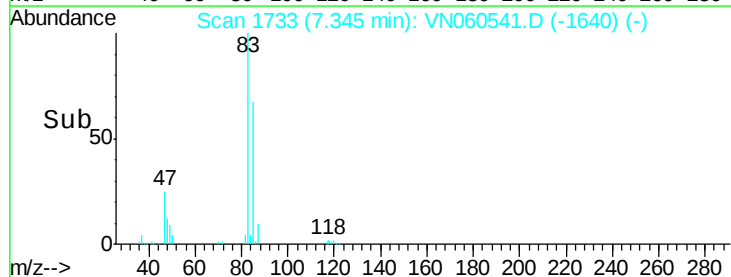
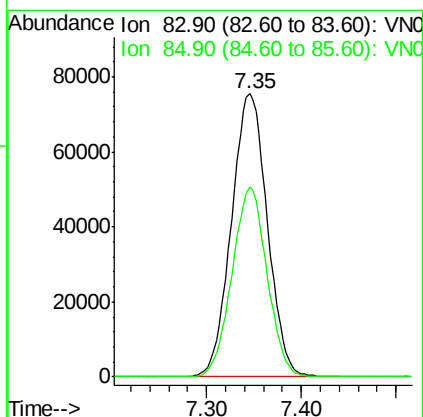
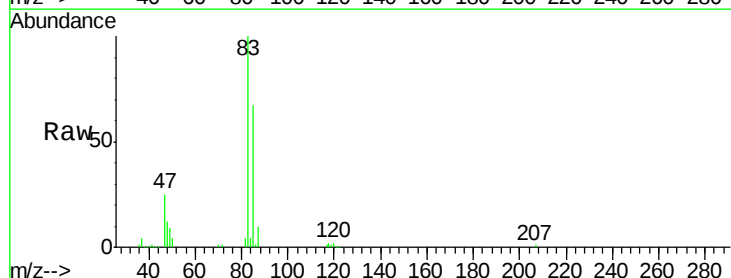
MMDadoda

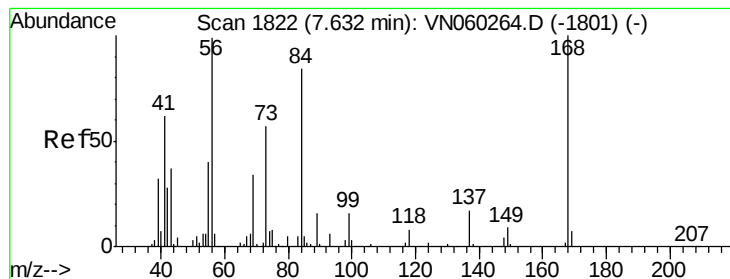
3/17/2020 11:48:23 AM



#30
Chloroform
Concen: 50.292 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.4	77.2





#31

Cvclohexane

Concen: 48.451 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

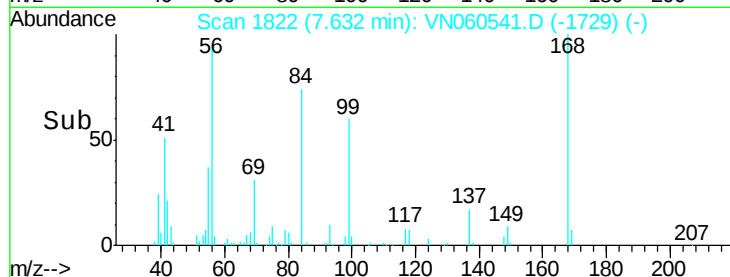
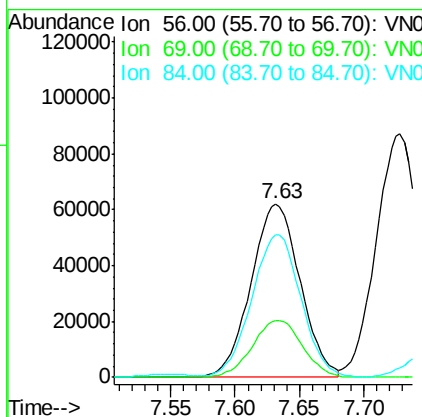
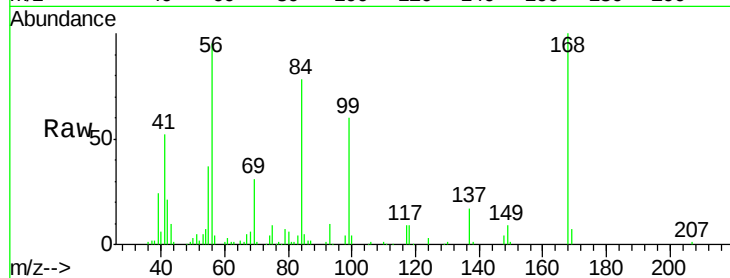
MSVOA_N

ClientSampled :

VSTDCCC050EC

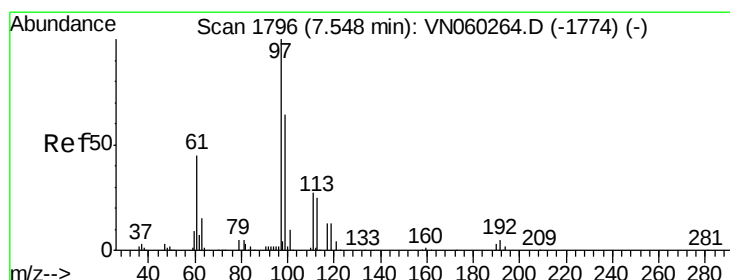
Tot Ion:	56	Resp:	164573
Ion Ratio		Lower	Upper
56	100		
69	32.8	27.2	40.8
84	81.2	66.7	100.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.733 ug/l

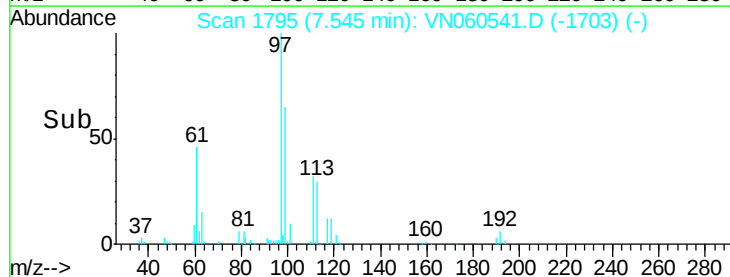
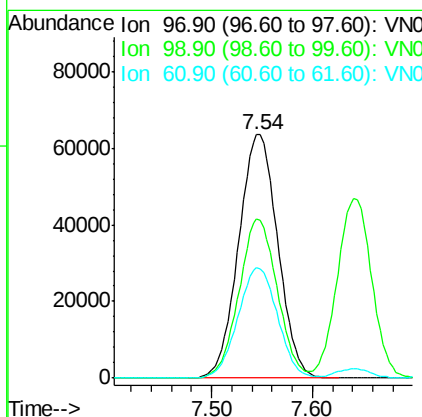
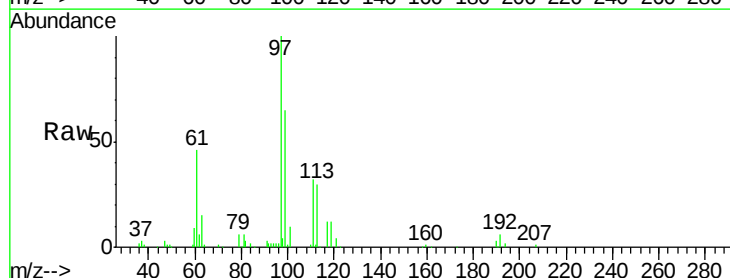
RT: 7.54 min Scan# 1795

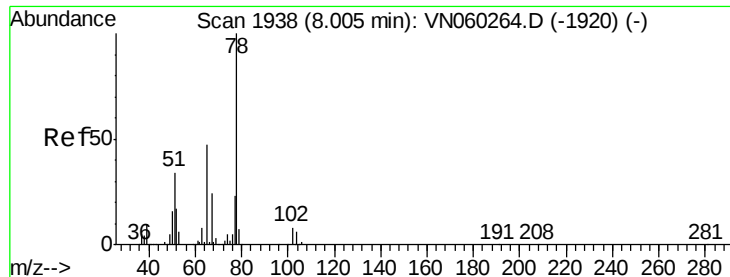
Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Tgt Ion:	97	Resp:	170942
Ion Ratio		Lower	Upper
97	100		
99	63.9	51.4	77.0
61	45.8	36.6	55.0



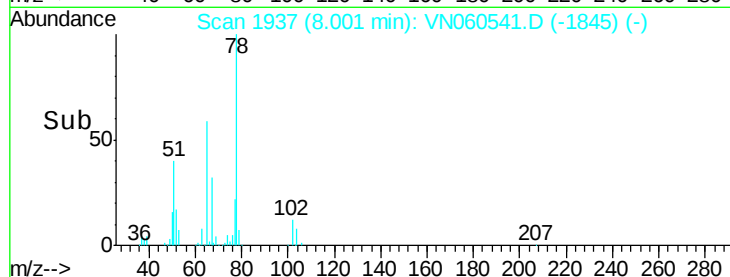
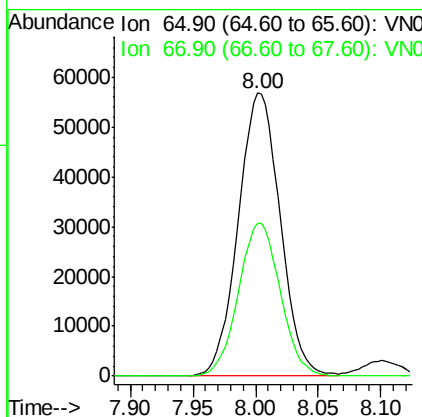
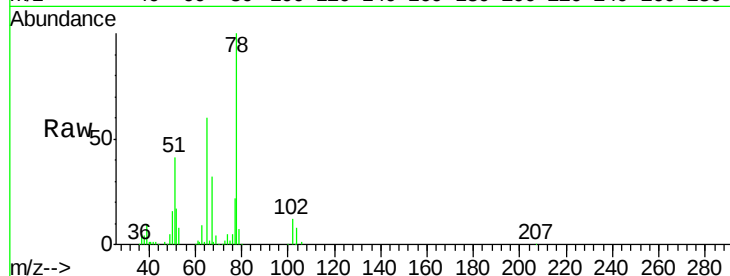


#33
 1,2-Dichloroethane-d4
 Concen: 52.669 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

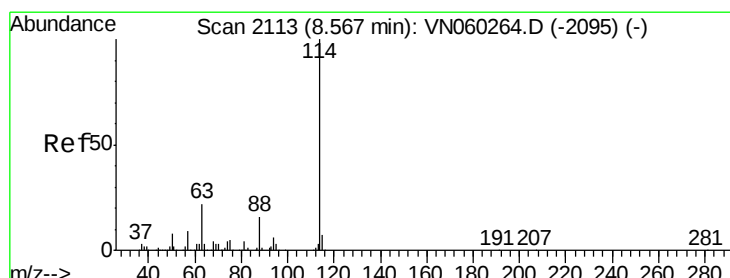
Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	103.8

Manual Integrations
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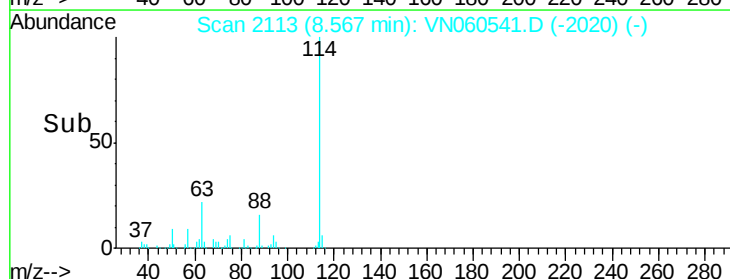
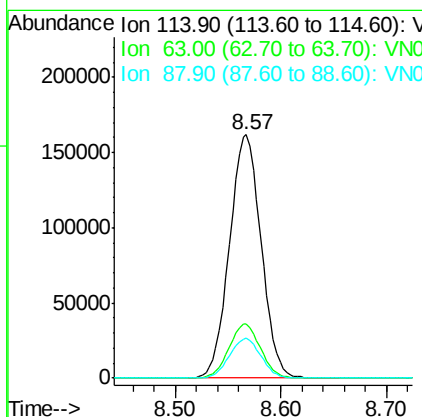
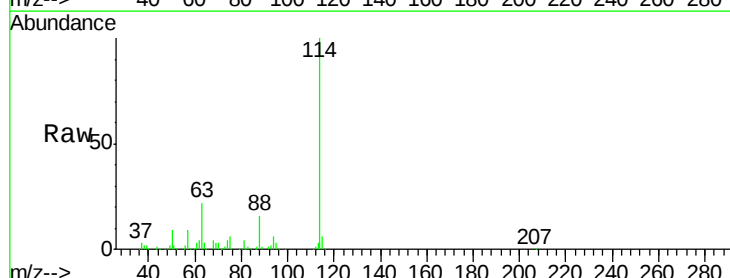
MMDadoda

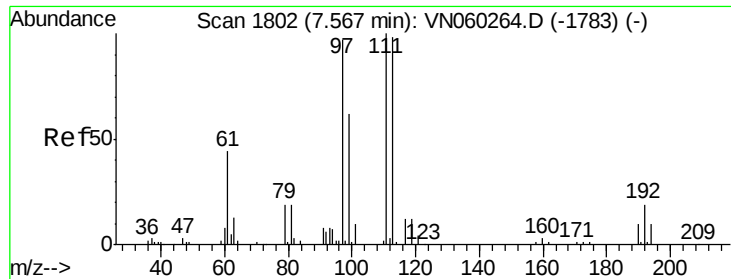
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	43.2
88	16.2	0.0	31.6



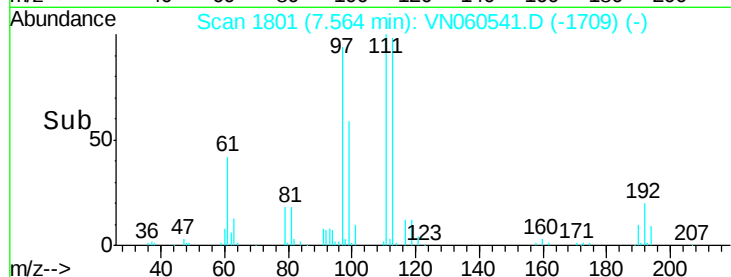
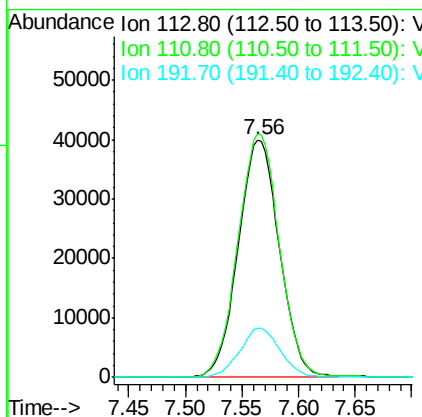
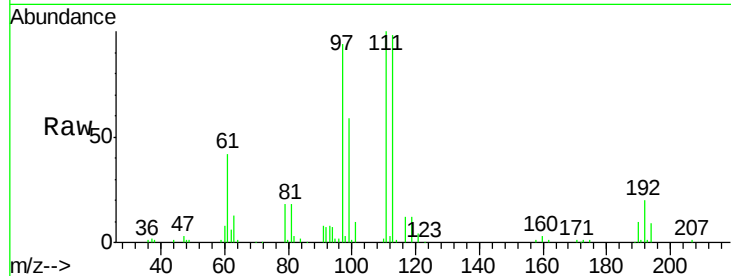


#35
Dibromofluoromethane
Concen: 64.740 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

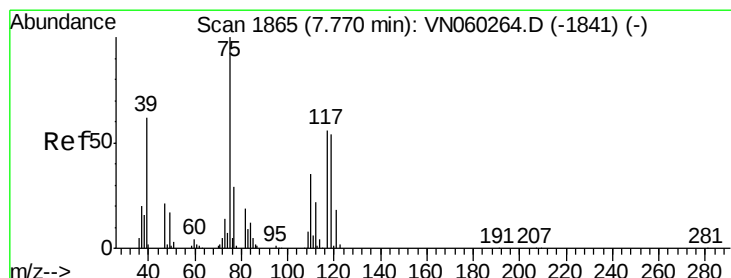
Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.2	82.4	123.6	
192	20.3	16.2	24.2	

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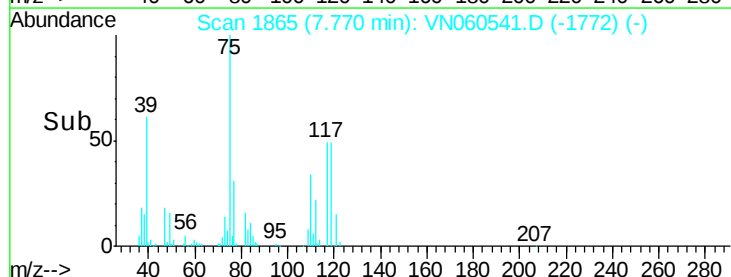
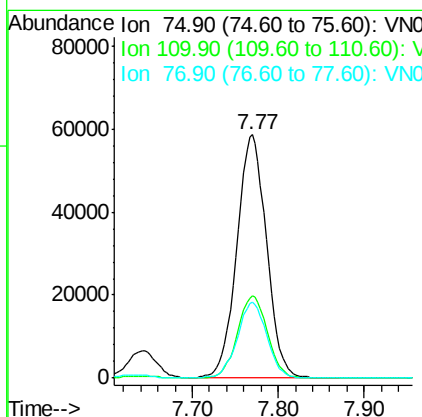
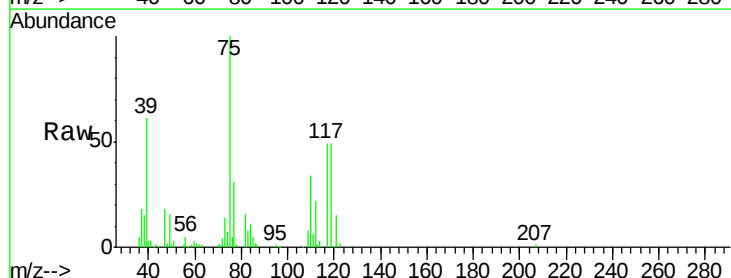
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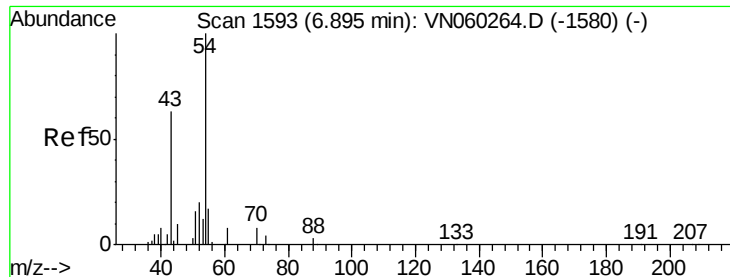
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#36
1,1-Dichloropropene
Concen: 43.964 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.9	17.3	52.0	
77	30.9	24.2	36.2	



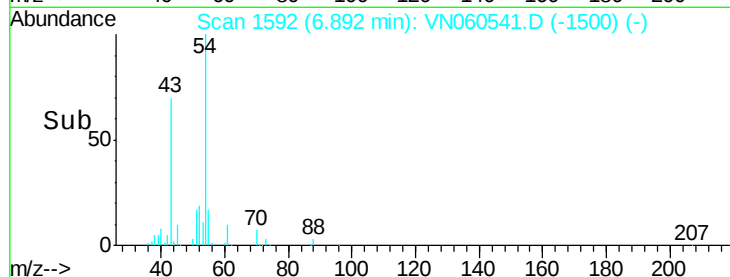
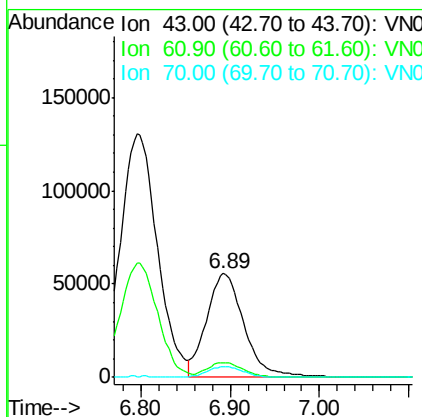
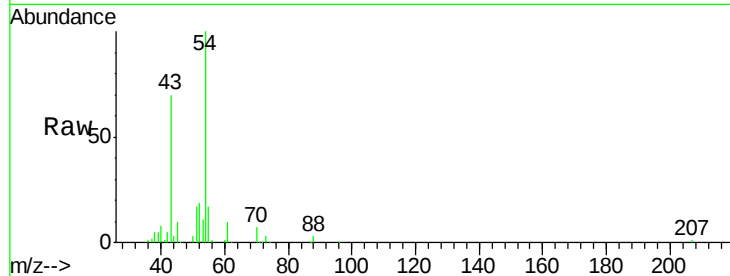


#37
Ethyl Acetate
Concen: 52.733 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

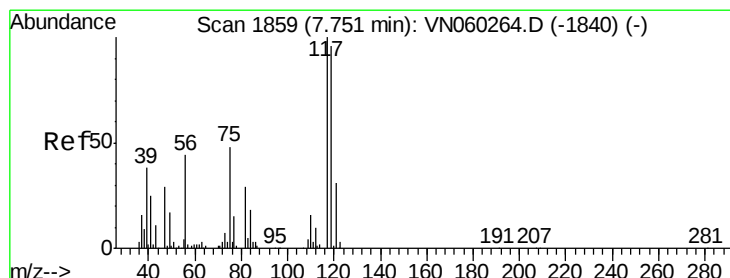
Tot Ion	43	Resp	159894
Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.1	16.7
70	10.0	8.4	12.6

Manual Integrations
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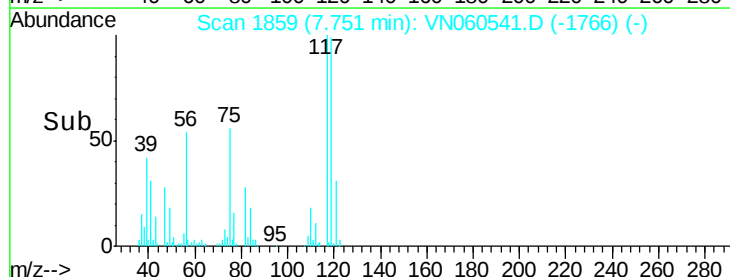
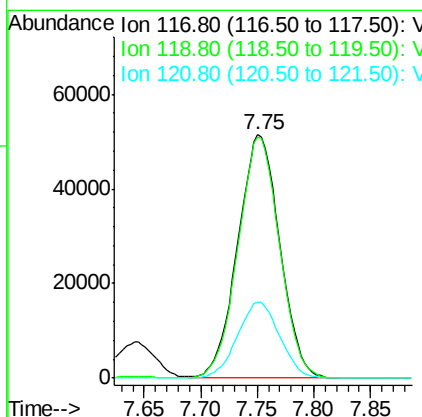
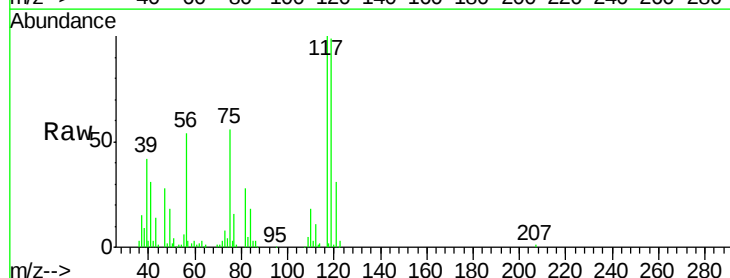
MMDadoda

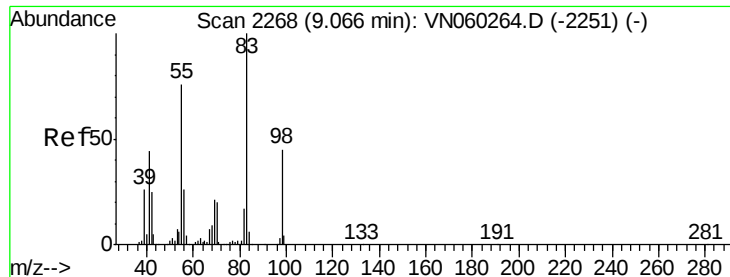
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#38
Carbon Tetrachloride
Concen: 42.586 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion	117	Resp	132774
Ion	Ratio	Lower	Upper
117	100		
119	99.3	76.7	115.1
121	31.4	24.5	36.7



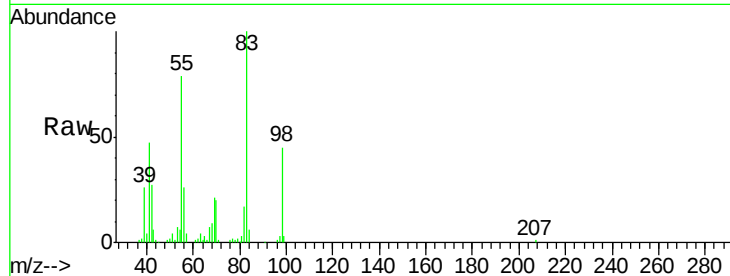


#39
Methvlcvclohexane
Concen: 39.859 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

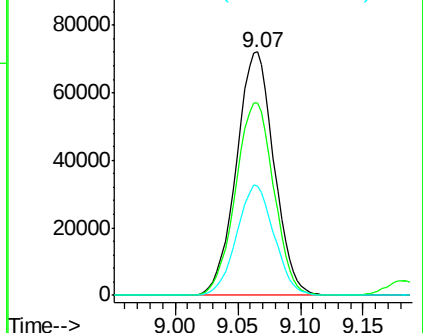
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.3	61.0	91.4
98	44.9	36.1	54.1

Manual Integrations
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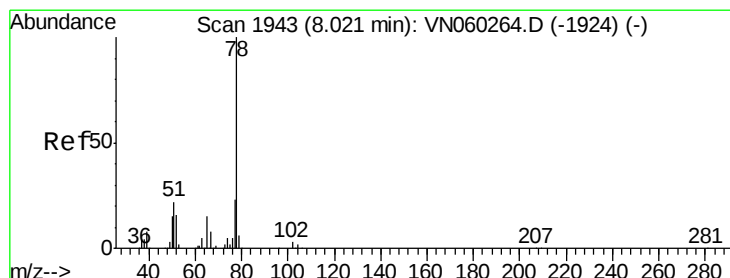
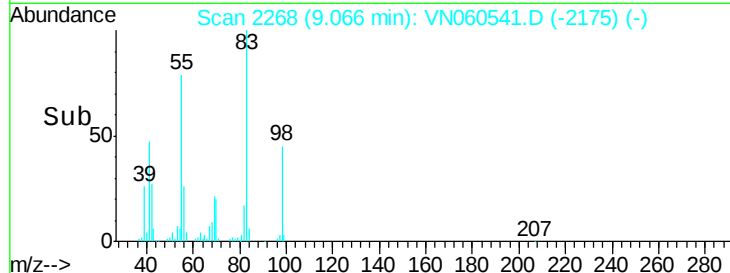


Abundance Ion 83.00 (82.70 to 83.70): VN060541.D (-2175) (-)
Ion 55.00 (54.70 to 55.70): VN060541.D (-2175) (-)
Ion 98.00 (97.70 to 98.70): VN060541.D (-2175) (-)



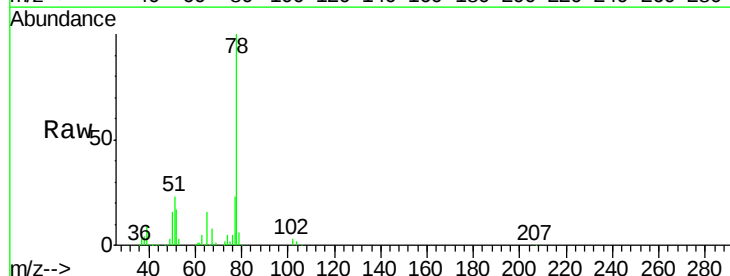
MMDadoda

3/17/2020 11:48:23 AM

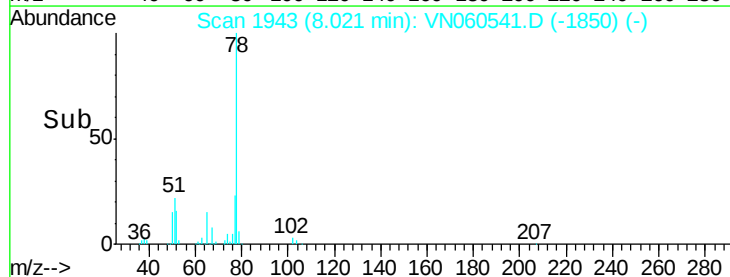
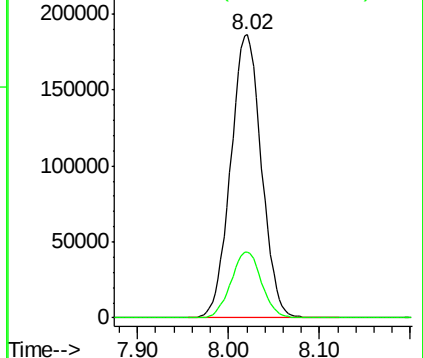


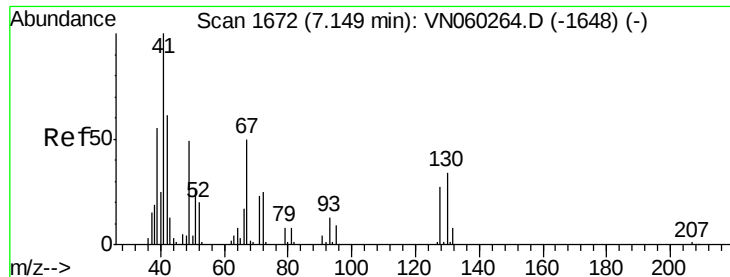
#40
Benzene
Concen: 46.973 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN060541.D (-1850) (-)
Ion 77.00 (76.70 to 77.70): VN060541.D (-1850) (-)



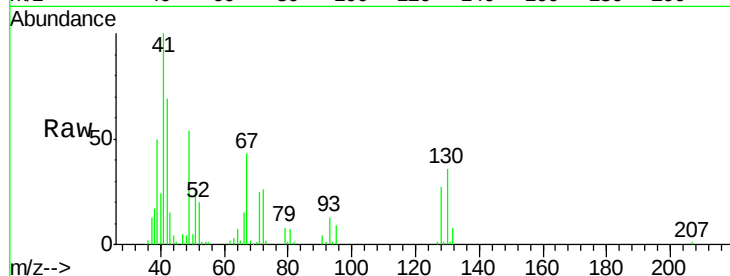


#41
Methacrylonitrile
Concen: 57.808 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

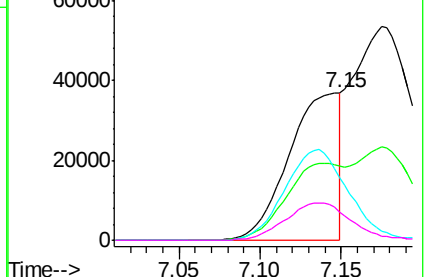
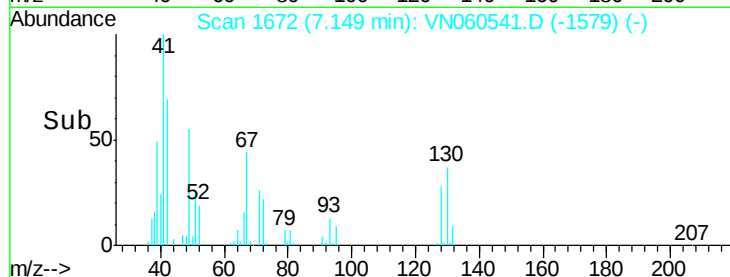
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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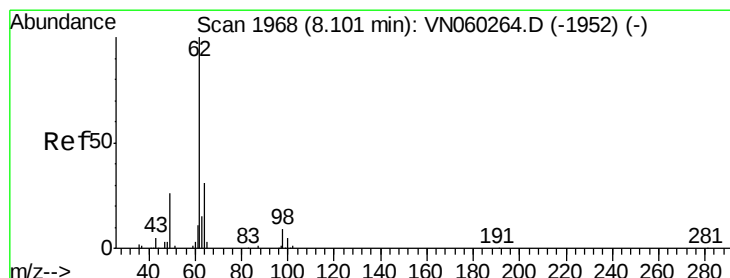


Abundance Ion 41.00 (40.70 to 41.70): VN060541.D (-1579) (-)
Ion 39.00 (38.70 to 39.70): VN060541.D (-1579) (-)
Ion 67.00 (66.70 to 67.70): VN060541.D (-1579) (-)
Ion 52.00 (51.70 to 52.70): VN060541.D (-1579) (-)



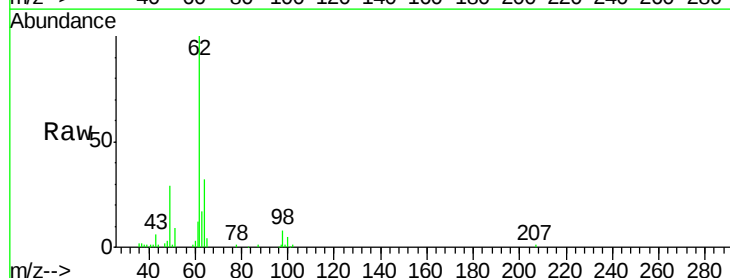
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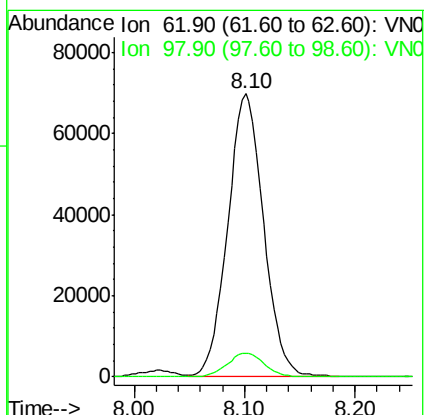
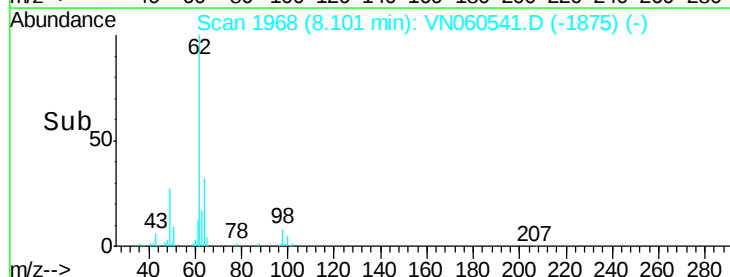


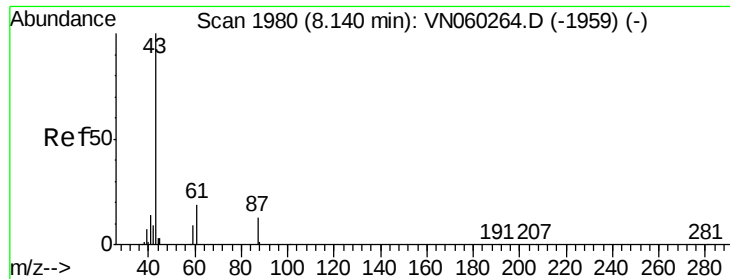
#42
1,2-Dichloroethane
Concen: 46.791 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VN060541.D (-1875) (-)
Ion 97.90 (97.60 to 98.60): VN060541.D (-1875) (-)





#43

Isopropyl Acetate

Concen: 52.241 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

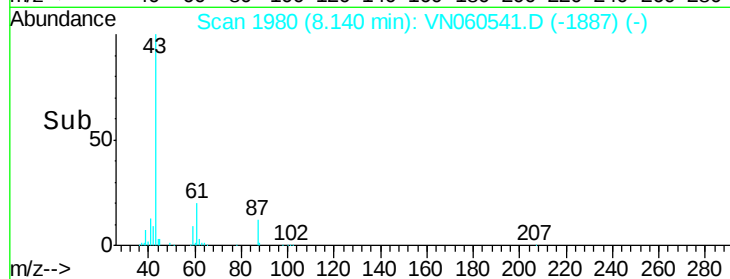
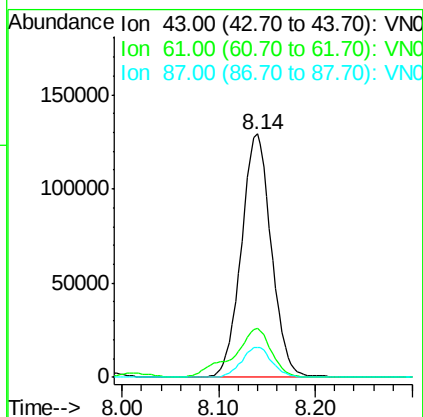
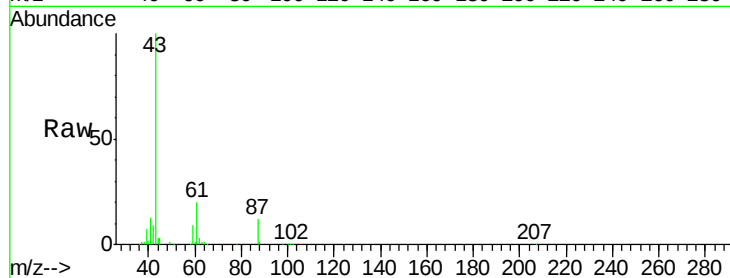
MSVOA_N

ClientSampleId :

VSTDCCC050EC

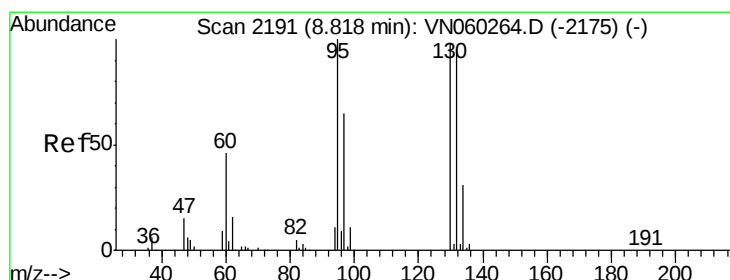
Tot Ion:	43	Resp:	277313
Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.9	31.3
87	12.5	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 42.953 ug/l

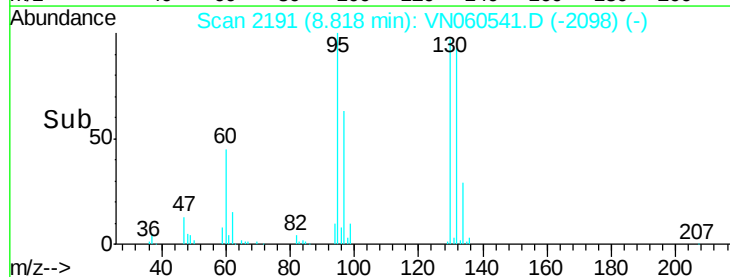
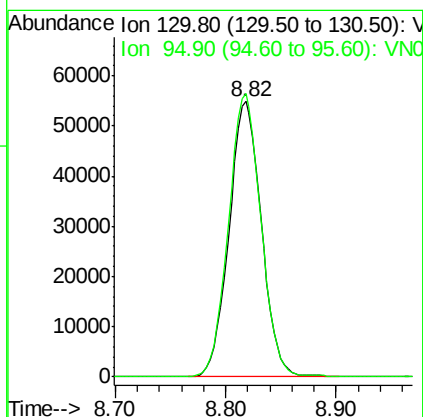
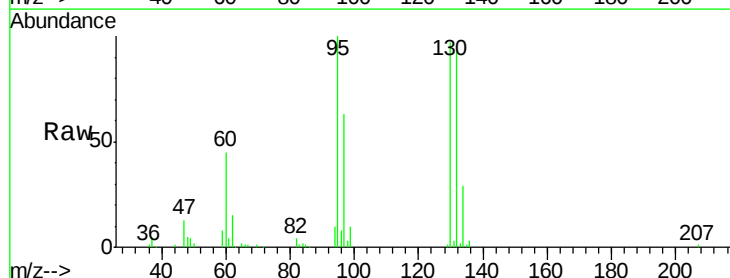
RT: 8.82 min Scan# 2191

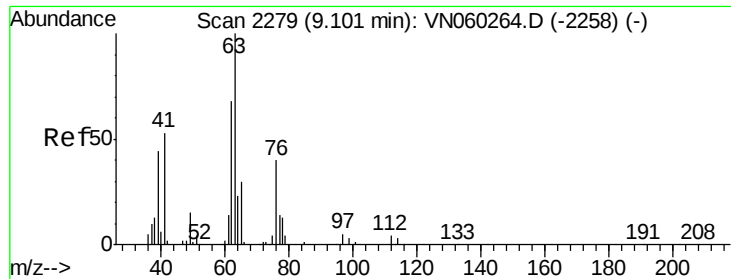
Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Tgt Ion:	130	Resp:	111497
Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	203.4



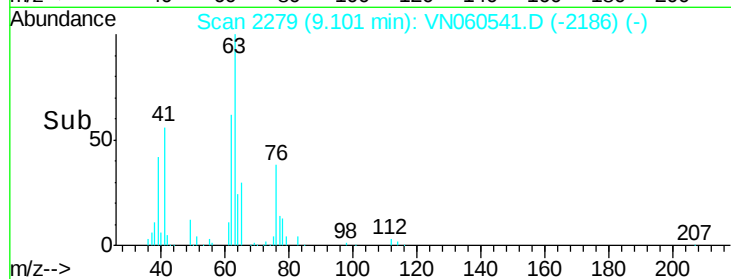
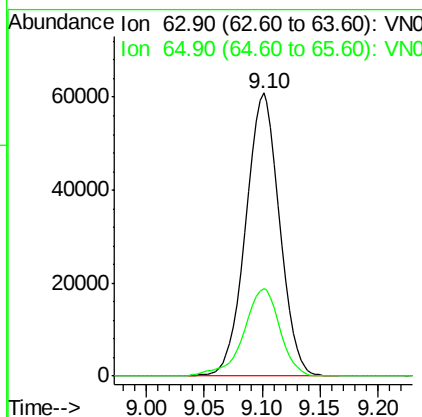
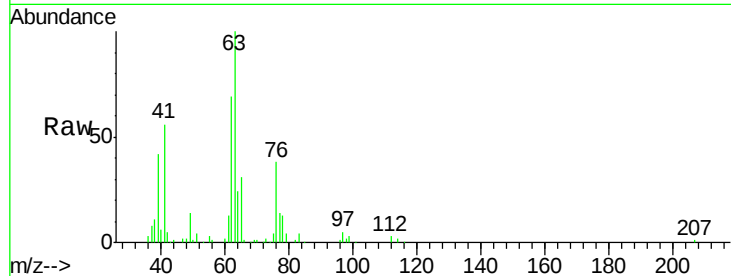


#45
 1,2-Dichloropropane
 Concen: 50.852 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

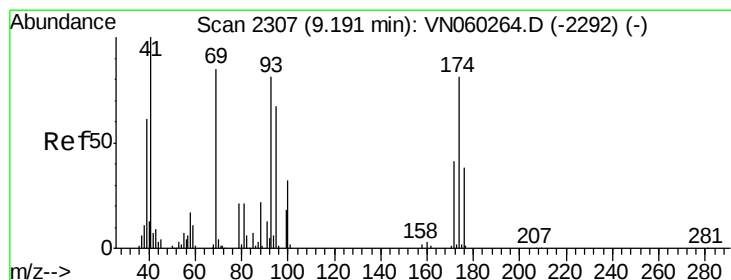
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.4	36.6

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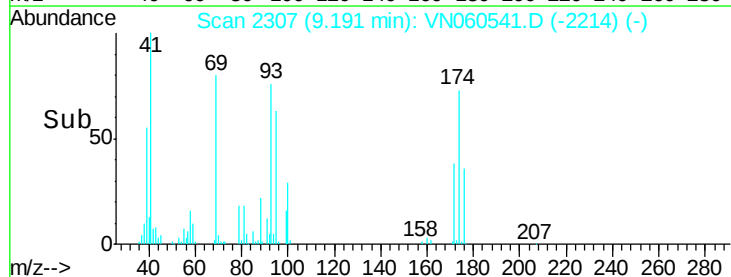
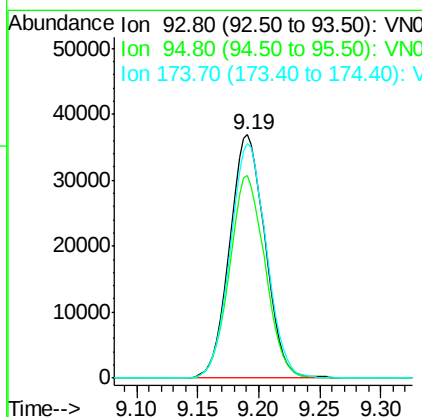
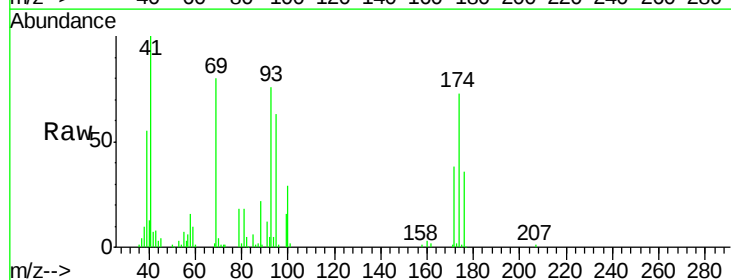
MMDadoda

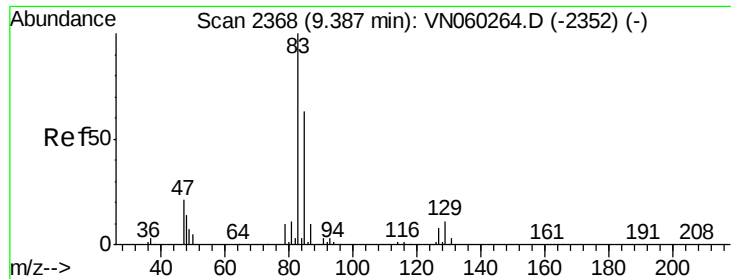
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#46
 Dibromomethane
 Concen: 46.988 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	65.9	98.9
174	98.0	79.6	119.4



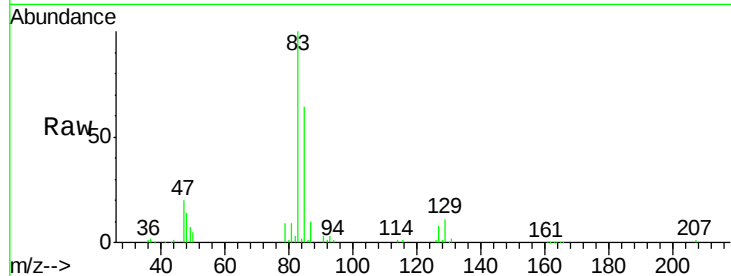


#47
Bromodichloromethane
Concen: 49.617 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

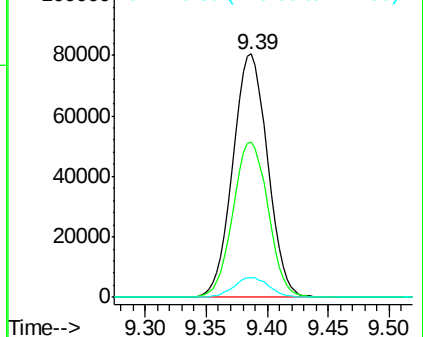
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	159564
Ion Ratio	100	Lower	Upper
85	63.6	50.7	76.1
127	8.3	6.8	10.2

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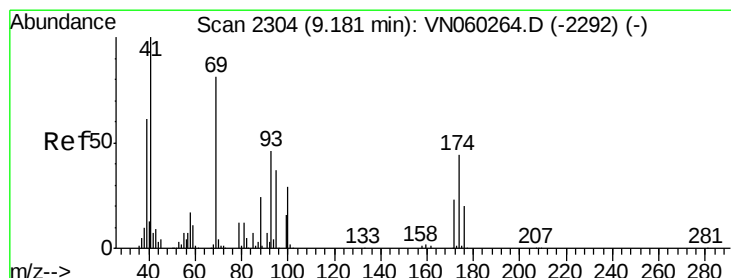
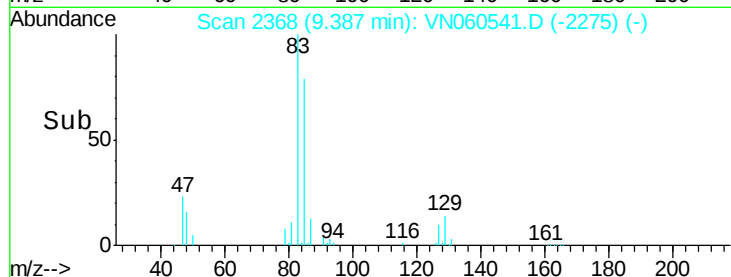


Abundance Ion 82.90 (82.60 to 83.60): VN060541.D (-2275) (-)
Ion 84.90 (84.60 to 85.60): VN060541.D (-2275) (-)
Ion 126.80 (126.50 to 127.50): VN060541.D (-2275) (-)



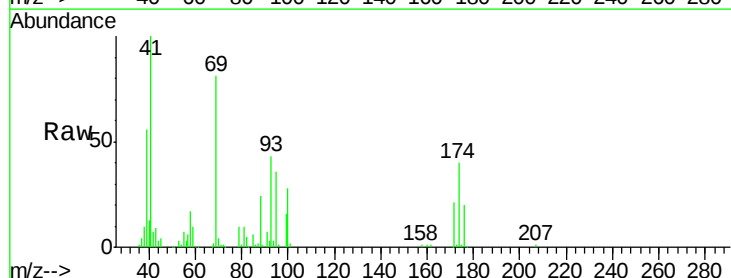
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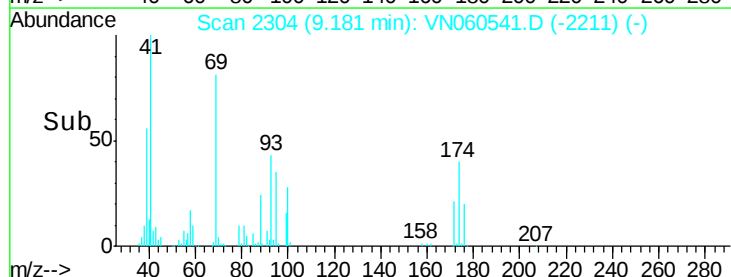
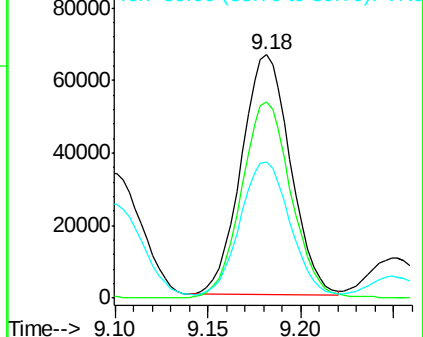


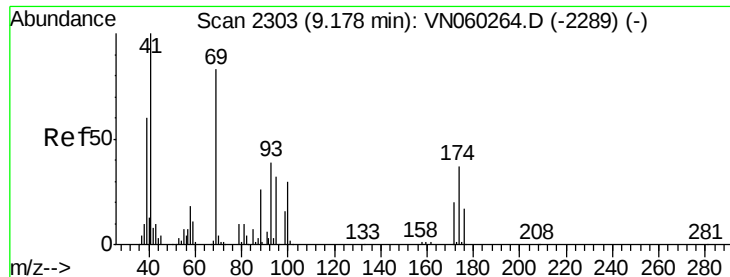
#48
Methyl methacrylate
Concen: 50.757 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion	41	Resp	122865
Ion Ratio	100	Lower	Upper
69	82.6	66.7	100.1
39	58.8	50.1	75.1



Abundance Ion 41.00 (40.70 to 41.70): VN060541.D (-2211) (-)
Ion 69.00 (68.70 to 69.70): VN060541.D (-2211) (-)
Ion 39.00 (38.70 to 39.70): VN060541.D (-2211) (-)



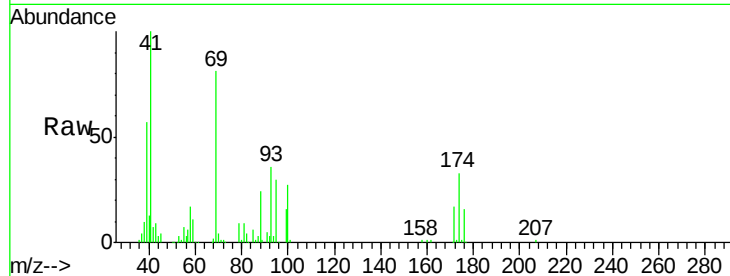


#49
1,4-Dioxane
Concen: 962.076 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

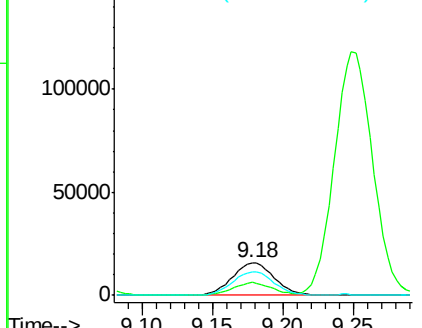
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	88	Resp	32750
Ion	Ratio	Lower	Upper
88	100		
43	37.6	30.4	45.6
58	73.1	57.0	85.6

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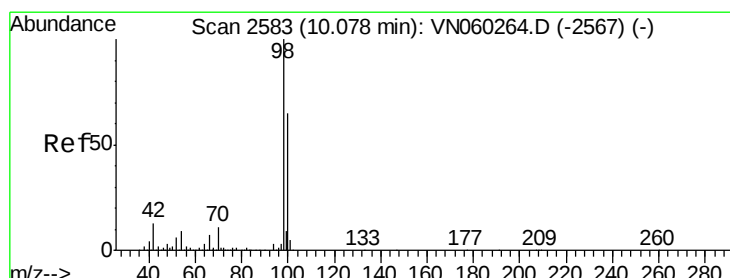
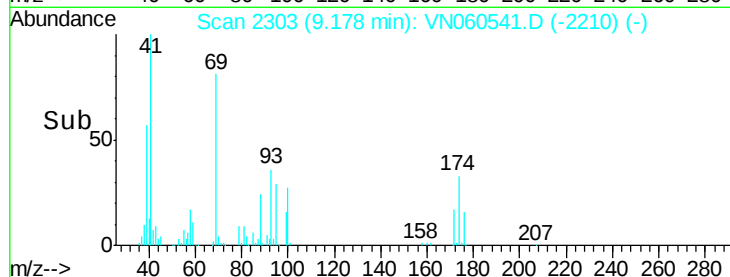


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



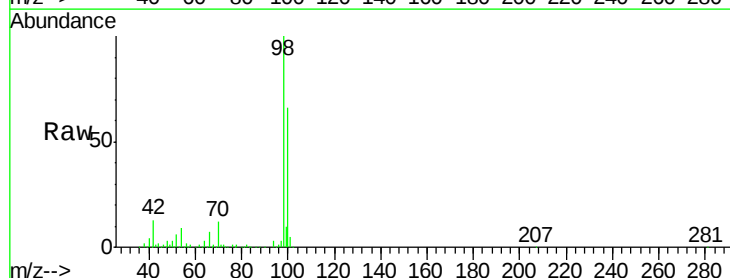
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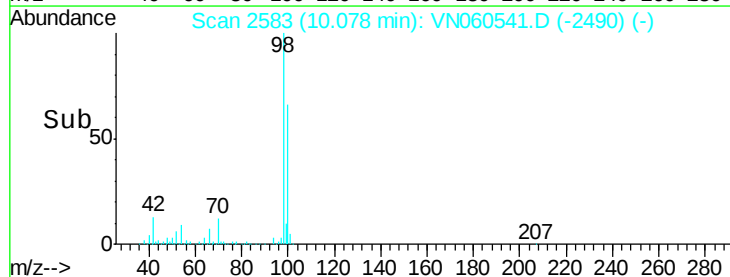
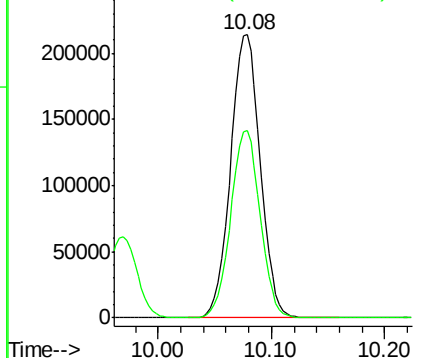


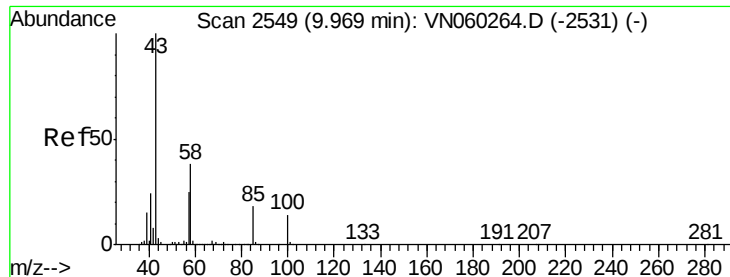
#50
Toluene-d8
Concen: 49.493 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion	98	Resp	390673
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.2	78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0



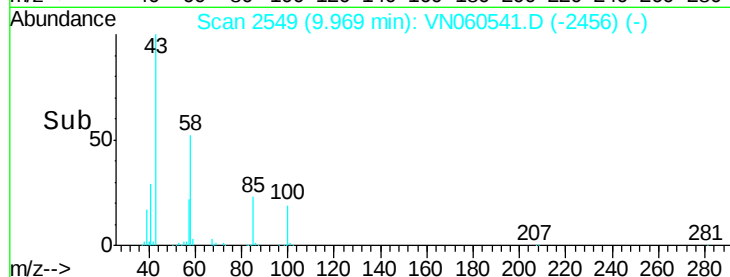
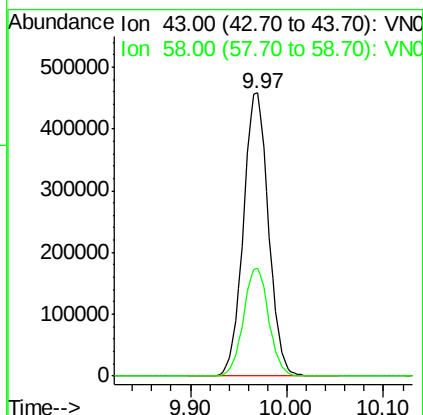
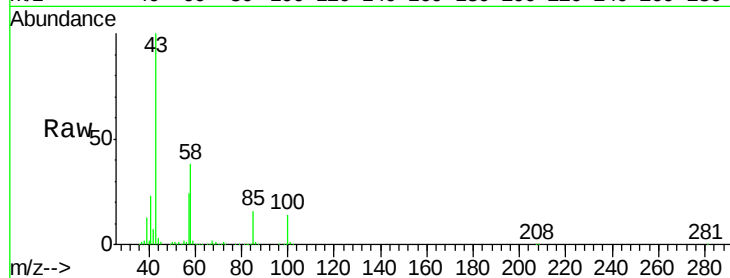


#51
4-Methyl-2-Pentanone
Concen: 273.487 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

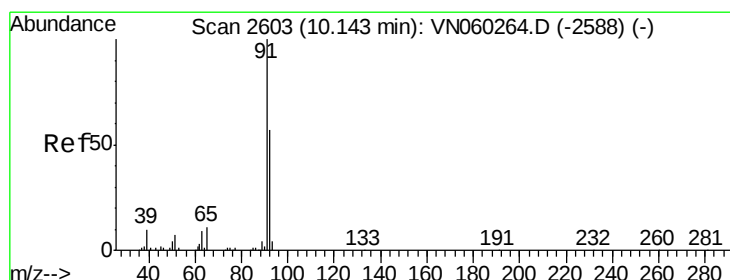
Tot Ion	43	Resp	823116
Ion Ratio	100	Lower	Upper
43	100		
58	38.3	30.9	46.3

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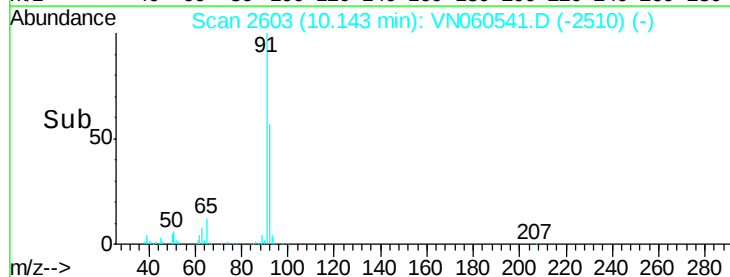
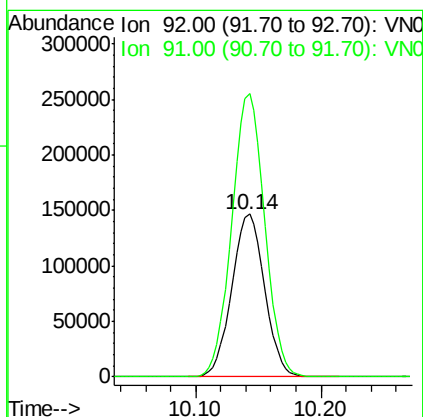
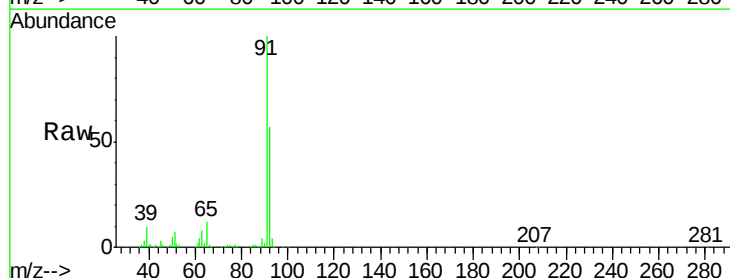
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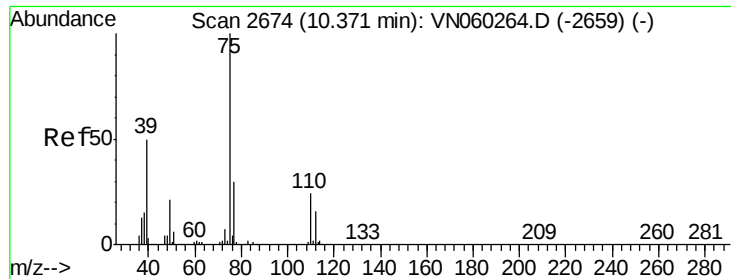
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#52
Toluene
Concen: 45.434 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion	92	Resp	266004
Ion Ratio	100	Lower	Upper
92	100		
91	174.6	138.1	207.1





#53

t-1,3-Dichloropropene

Concen: 45.743 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

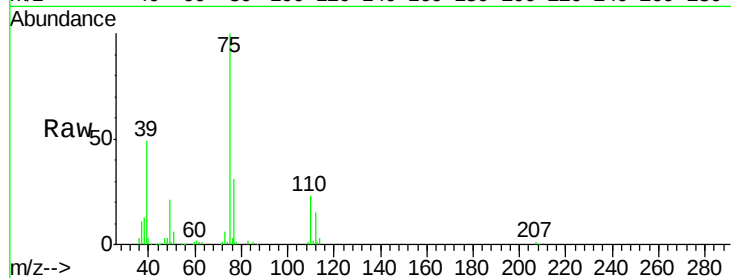
Tot Ion: 75 Resp: 180251

Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

120000

100000

80000

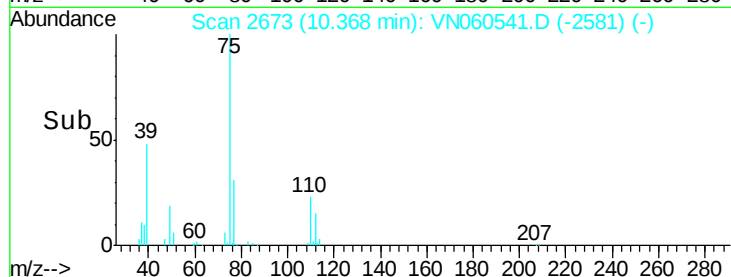
60000

40000

20000

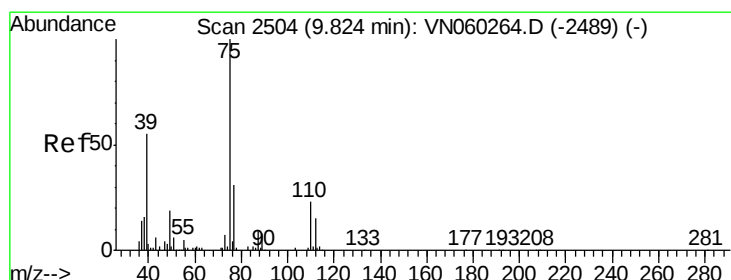
0

Time--> 10.30 10.40



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#54

cis-1,3-Dichloropropene

Concen: 47.209 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

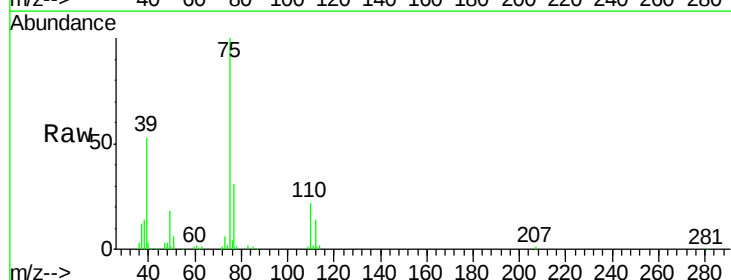
Tgt Ion: 75 Resp: 192762

Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

39 53.1 43.8 65.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

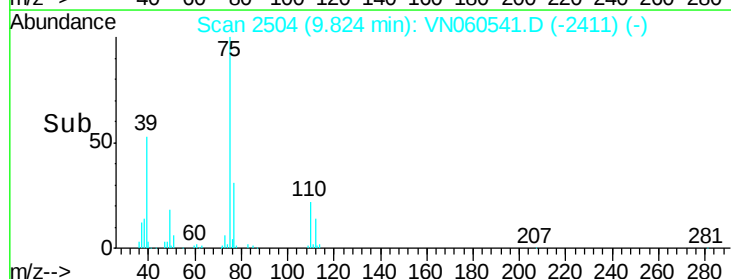
9.82

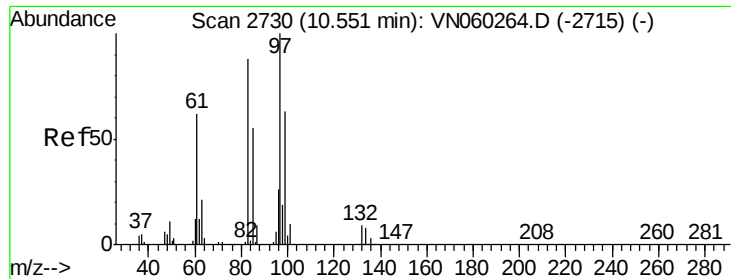
100000

50000

0

Time--> 9.75 9.80 9.85 9.90



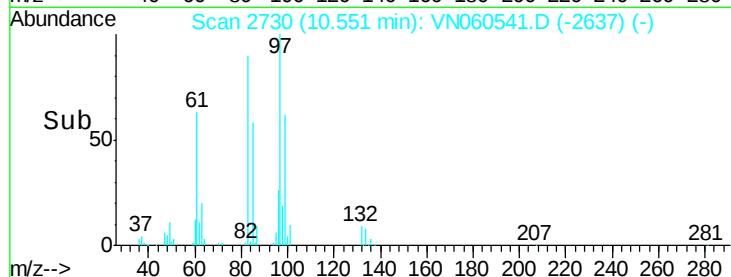
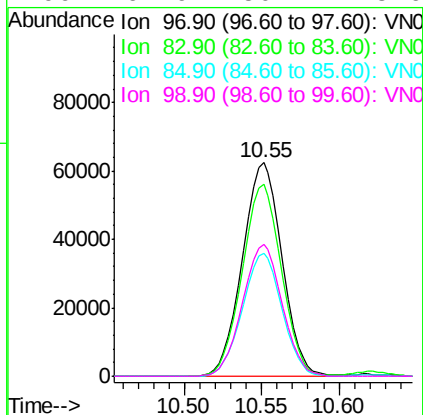
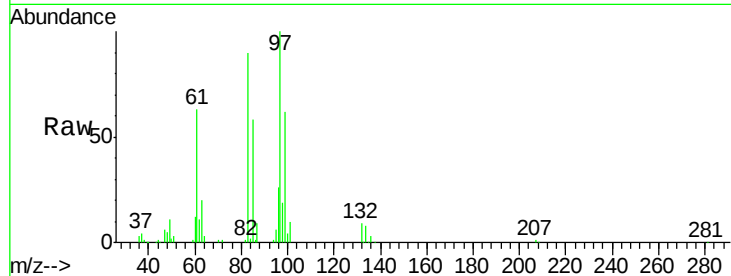


#55
 1,1,2-Trichloroethane
 Concen: 47.297 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

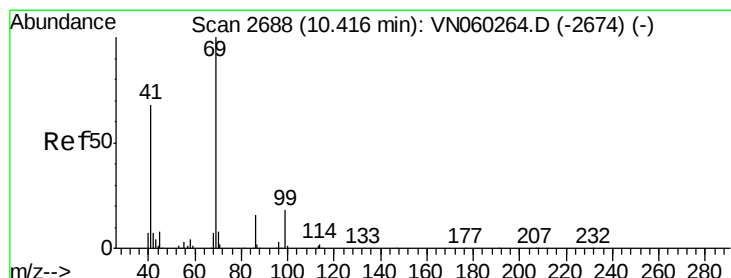
Tot Ion:	97	Resp:	111358
Ion	Ratio	Lower	Upper
97	100		
83	89.7	70.0	105.0
85	57.8	44.0	66.0
99	61.9	50.4	75.6

Manual Integrations
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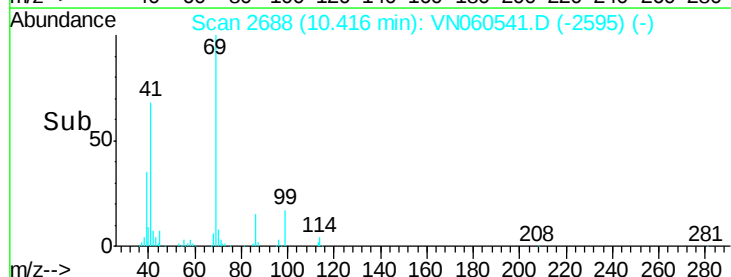
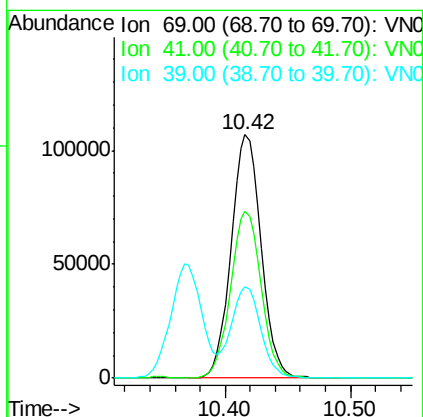
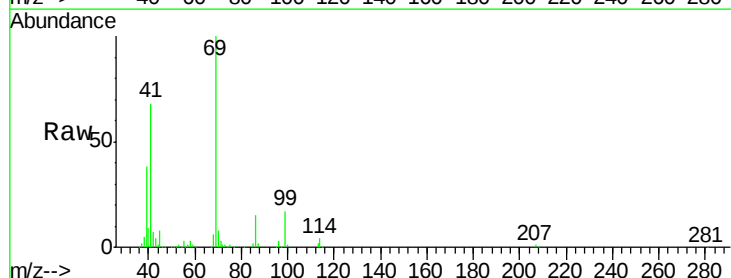
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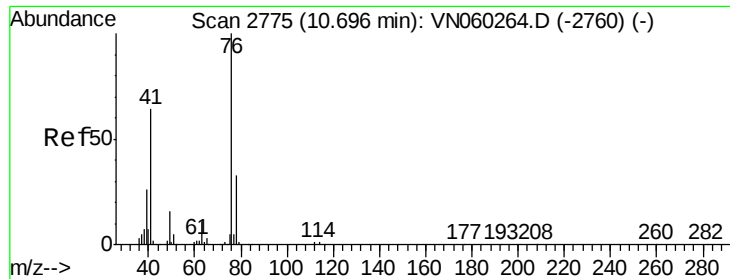
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#56
 Ethyl methacrylate
 Concen: 52.399 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Tgt Ion:	69	Resp:	177240
Ion	Ratio	Lower	Upper
69	100		
41	69.1	54.1	81.1
39	37.2	32.5	48.7



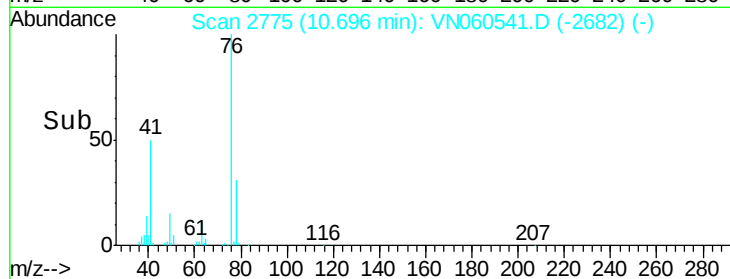
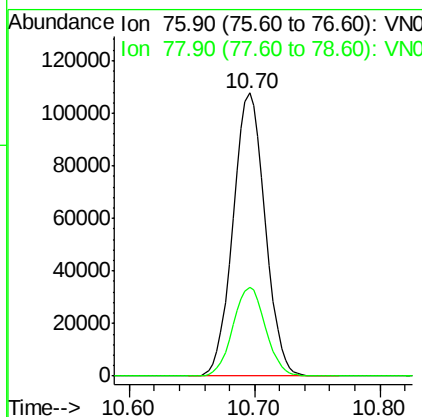
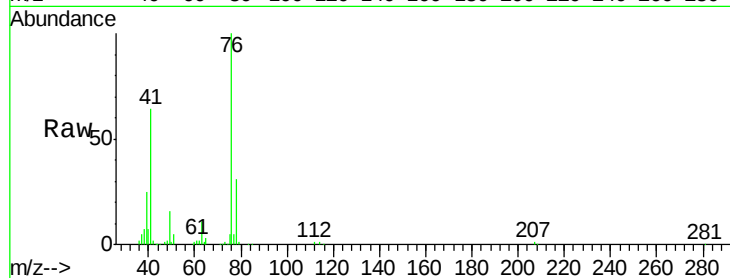


#57
 1,3-Dichloropropane
 Concen: 49.807 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

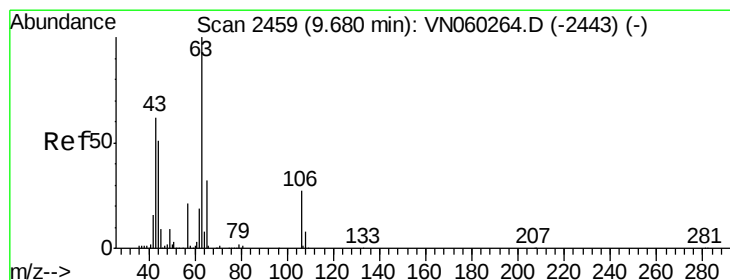
Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.2

Manual Integrations
 APPROVED



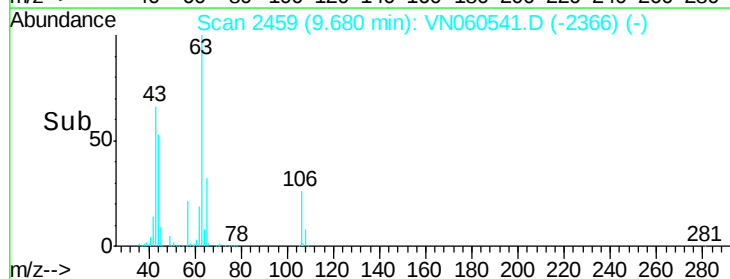
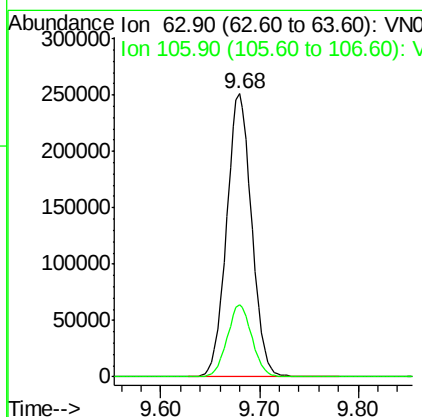
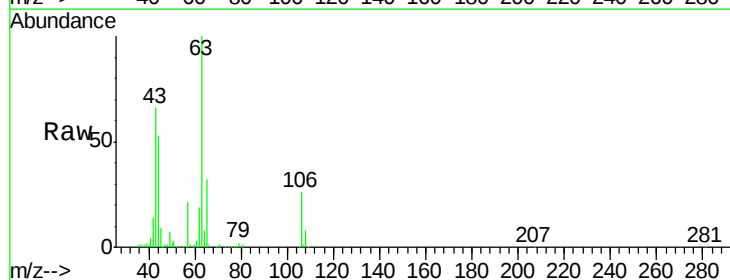
MMDadoda

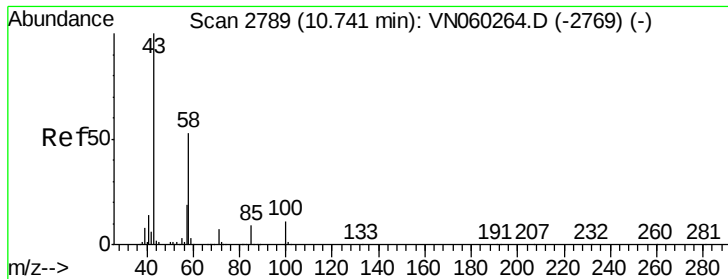
3/17/2020 11:48:23 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.951 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.3	21.1	31.7



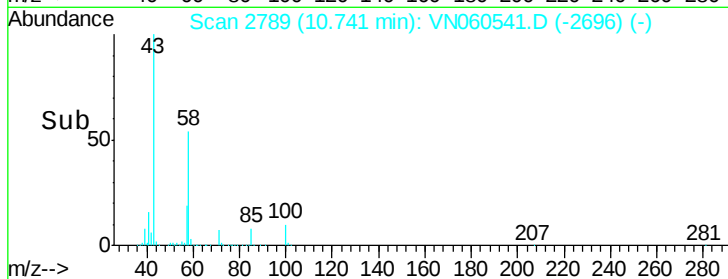
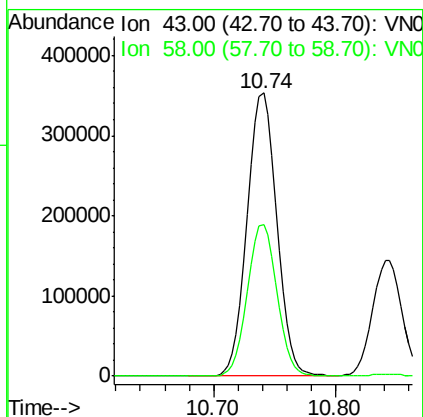
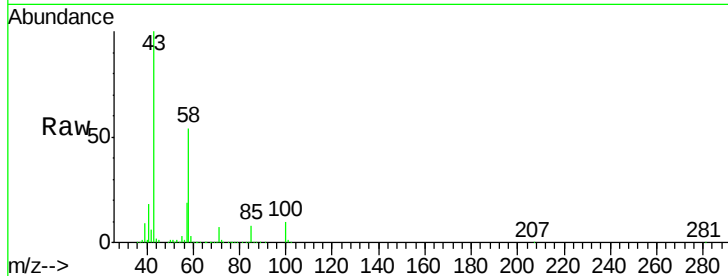


#59
2-Hexanone
Concen: 266.889 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

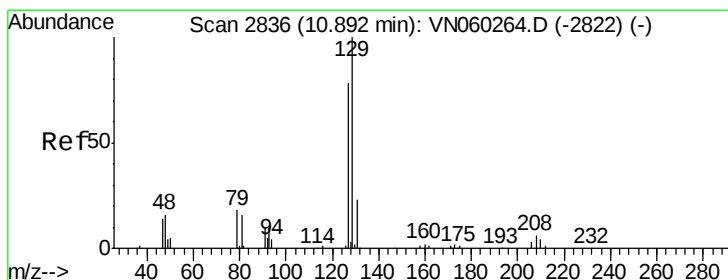
Tot Ion: 43 Resp: 589773
Ion Ratio Lower Upper
43 100
58 53.5 26.5 79.5

Manual Integrations
APPROVED



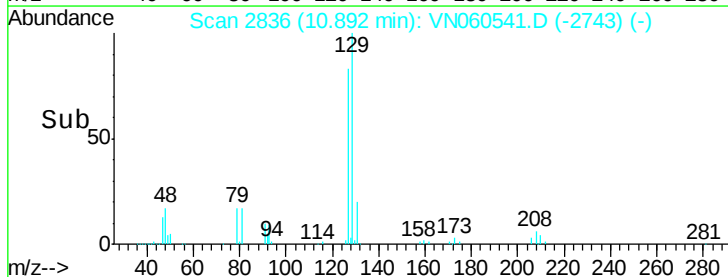
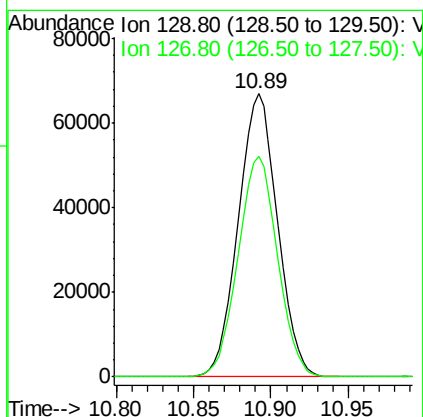
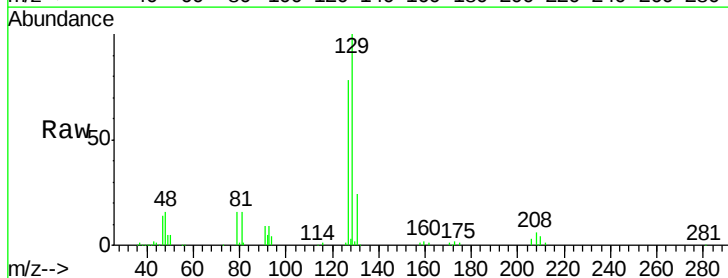
MMDadoda

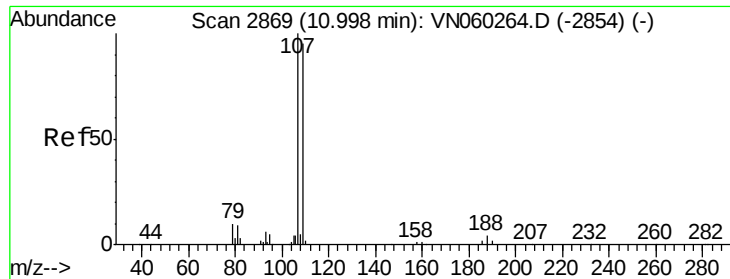
3/17/2020 11:48:23 AM



#60
Dibromochloromethane
Concen: 49.271 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion: 129 Resp: 117973
Ion Ratio Lower Upper
129 100
127 78.5 38.9 116.7



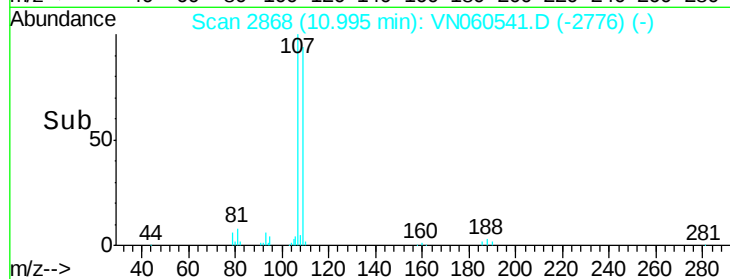
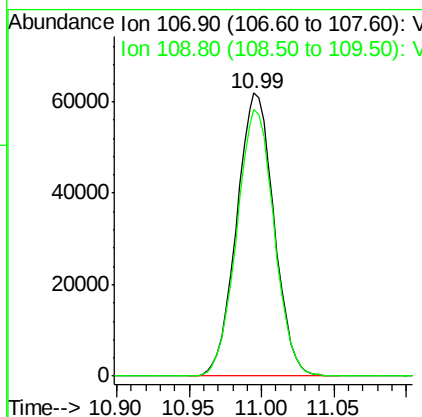
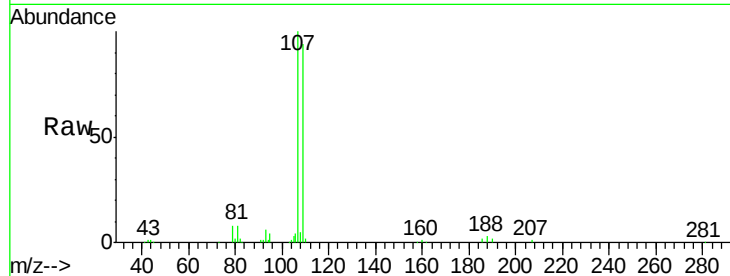


#61
 1,2-Dibromoethane
 Concen: 48.215 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

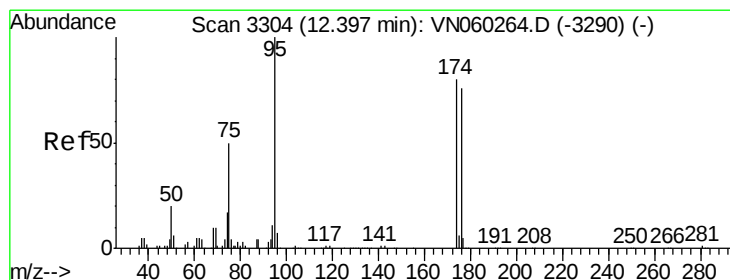
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	76.8	115.2

Manual Integrations
 APPROVED



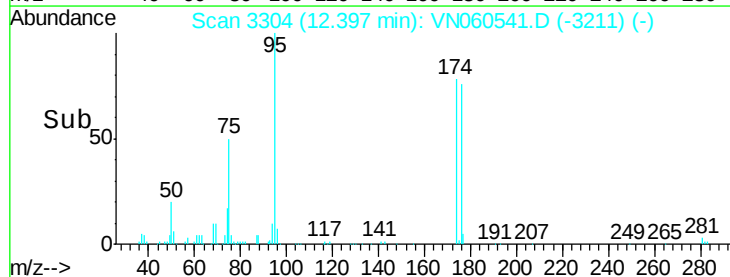
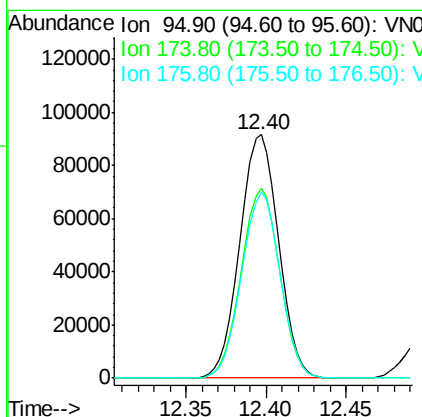
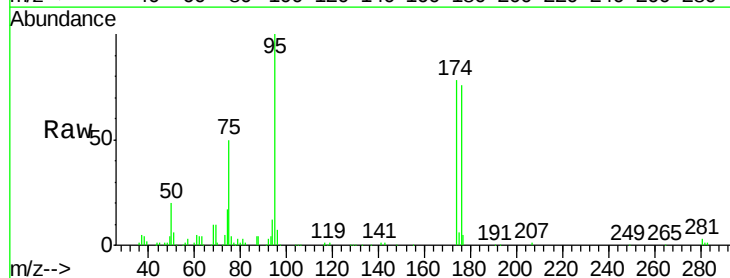
MMDadoda

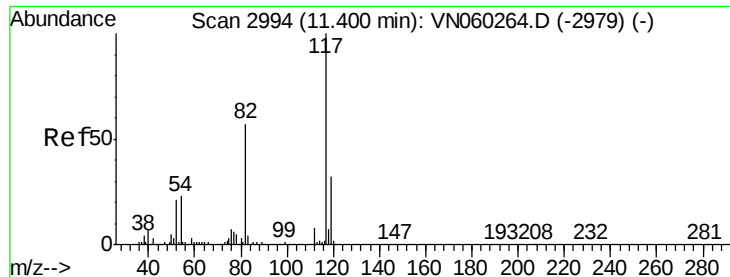
3/17/2020 11:48:23 AM



#62
 4-Bromofluorobenzene
 Concen: 50.541 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.5	0.0	159.2
176	75.7	0.0	153.8



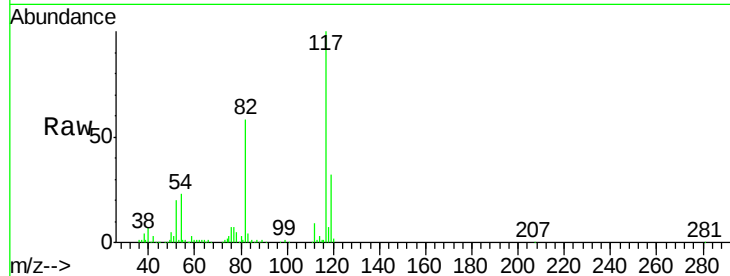


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

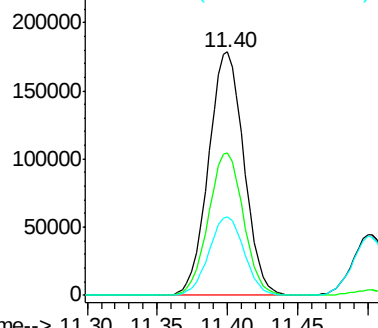
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	313817		
82	58.5	45.8	68.6	
119	32.2	25.8	38.8	

Manual Integrations
APPROVED

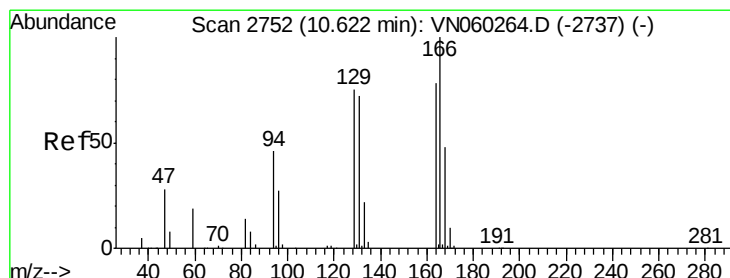
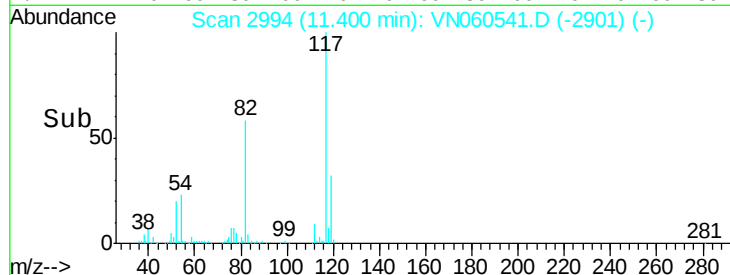


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



MMDadoda

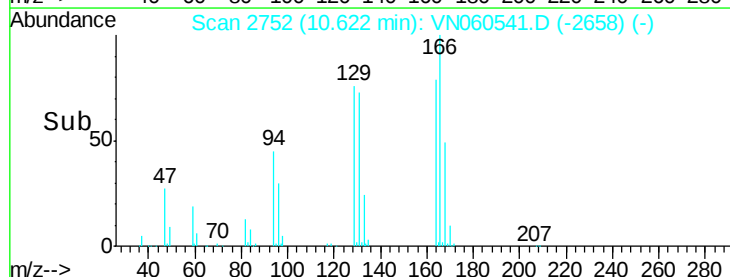
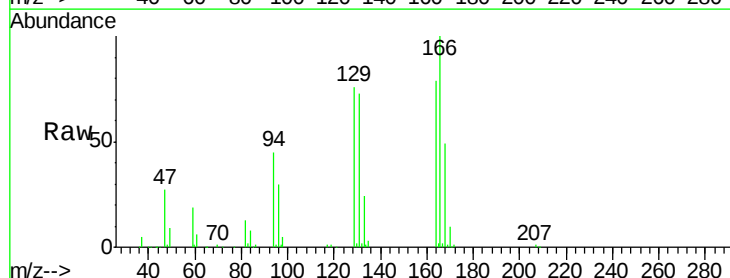
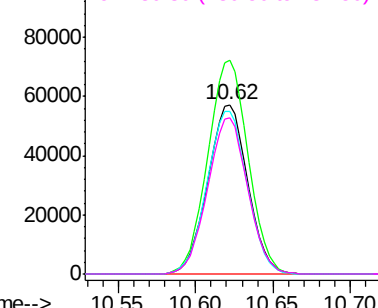
3/17/2020 11:48:23 AM

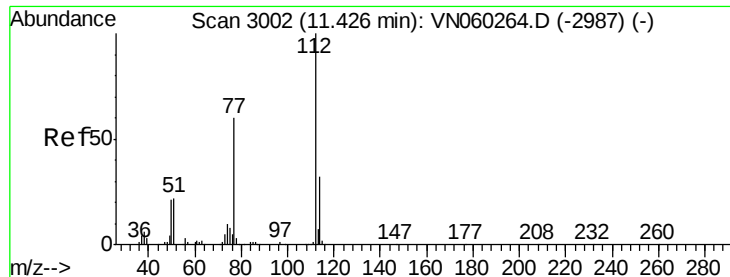


#64
Tetrachloroethene
Concen: 41.093 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	102156		
166	126.3	102.0	153.0	
129	96.5	76.4	114.6	
131	92.6	73.6	110.4	

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



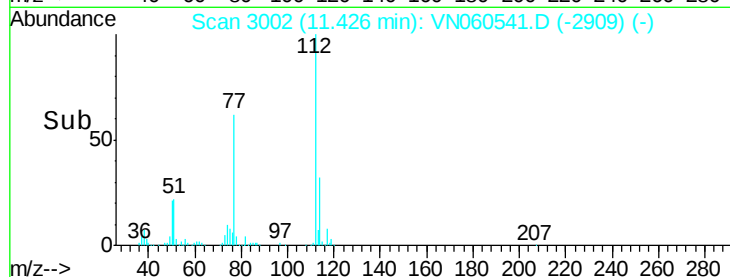
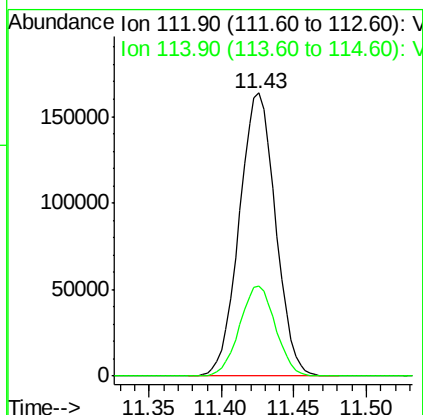
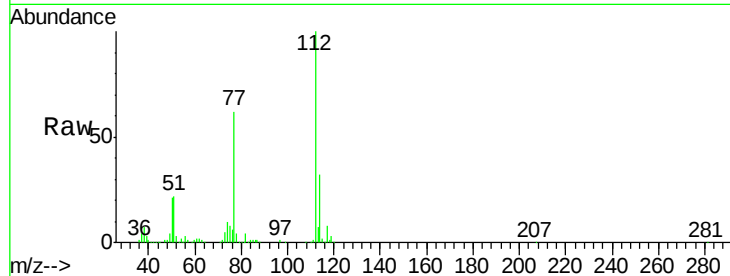


#65
Chlorobenzene
Concen: 44.885 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

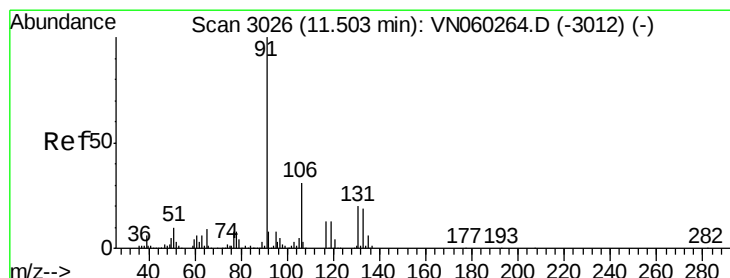
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.0

Manual Integrations
APPROVED



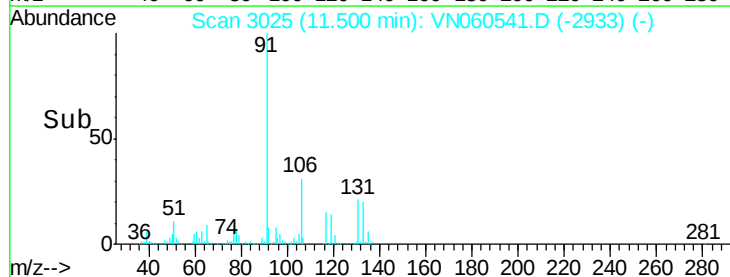
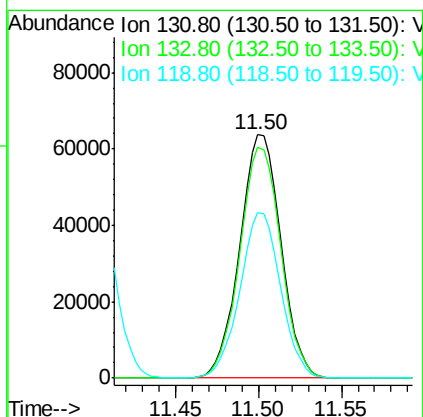
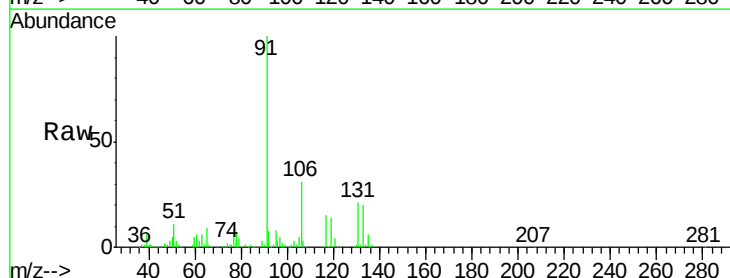
MMDadoda

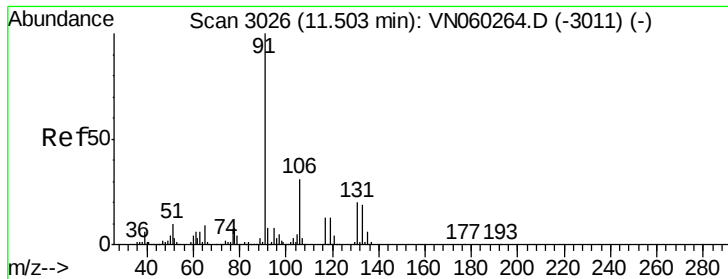
3/17/2020 11:48:23 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.112 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.7	143.1
119	67.2	33.2	99.6



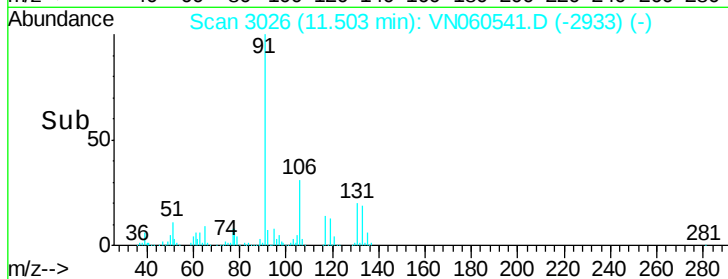
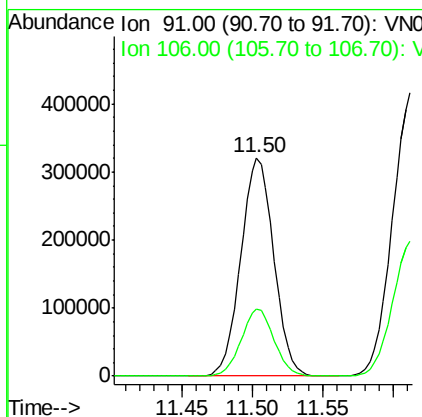
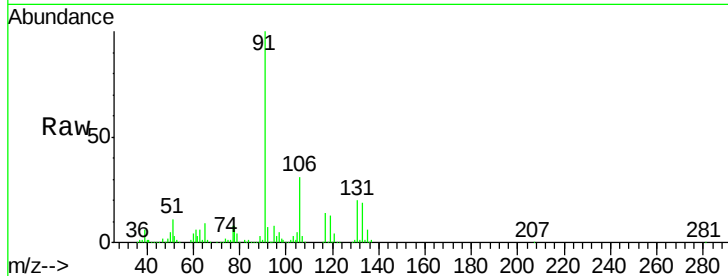


#67
Ethyl Benzene
Concen: 45.512 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

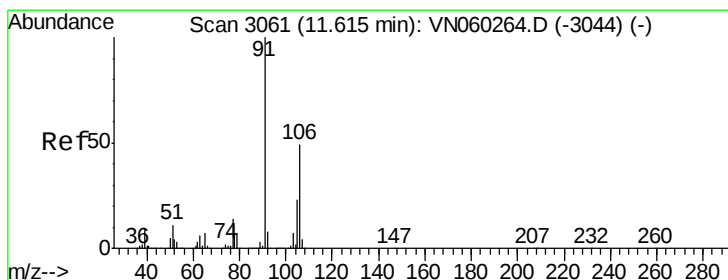
Tot Ion: 91 Resp: 525194
Ion Ratio Lower Upper
91 100
106 30.8 24.7 37.1

Manual Integrations
APPROVED



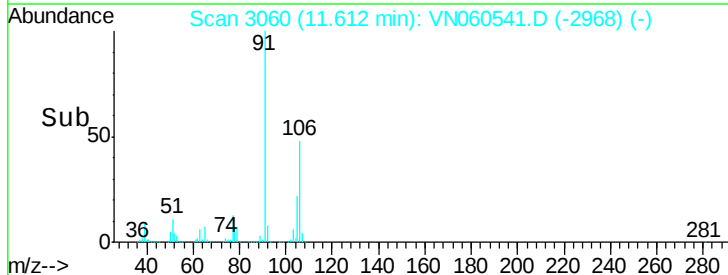
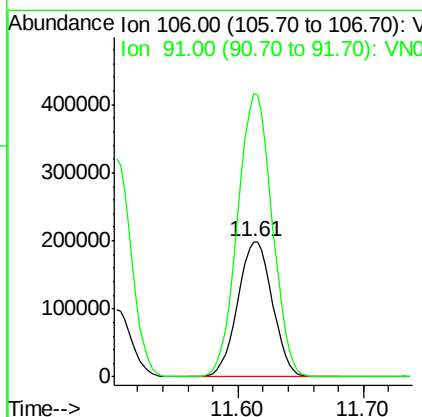
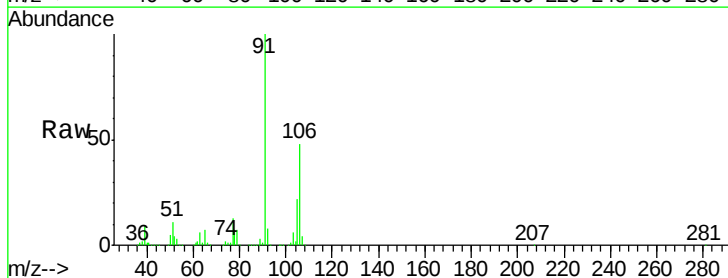
MMDadoda

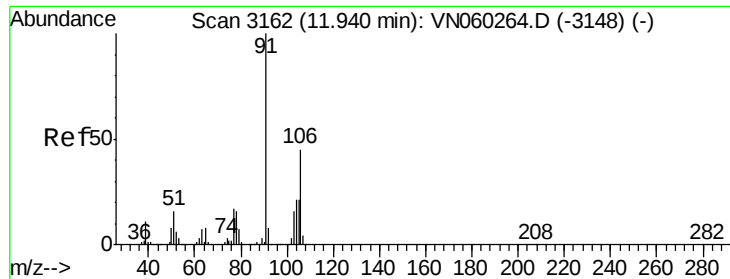
3/17/2020 11:48:23 AM



#68
m/p-Xylenes
Concen: 87.708 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion: 106 Resp: 381869
Ion Ratio Lower Upper
106 100
91 209.2 164.5 246.7



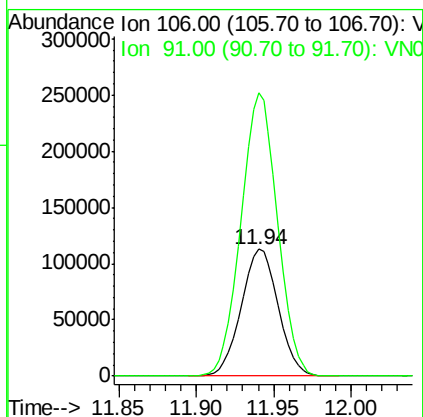
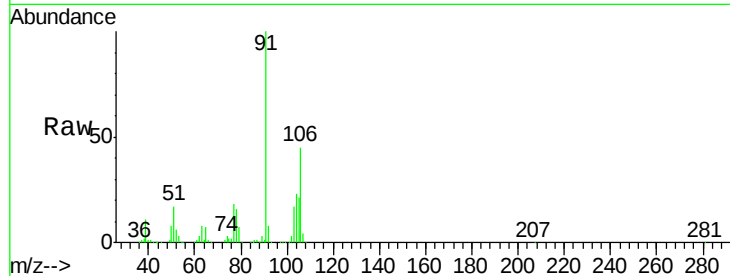


#69
o-Xylene
Concen: 45.154 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

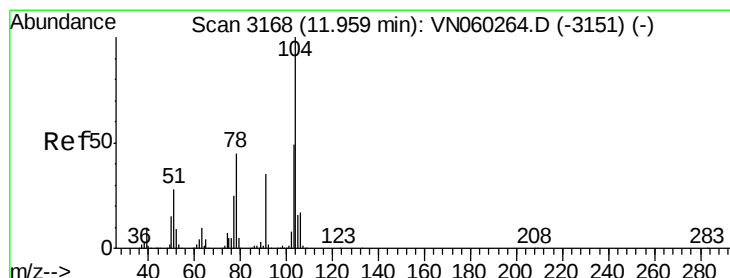
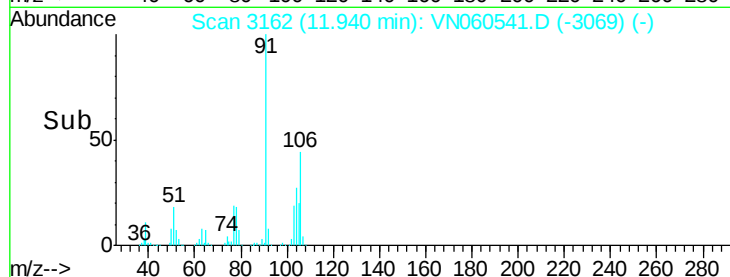
Tot Ion:106 Resp: 187469
Ion Ratio Lower Upper
106 100
91 220.2 109.5 328.4

Manual Integrations
APPROVED



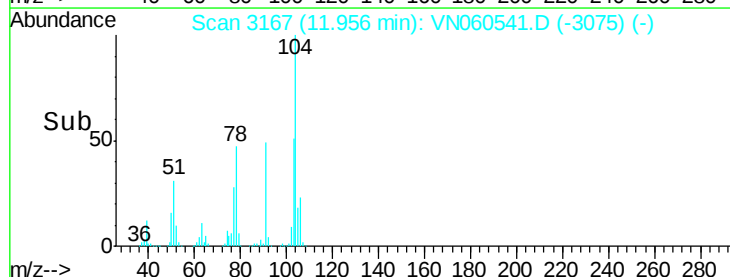
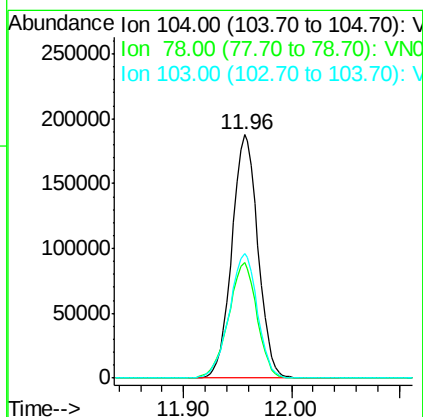
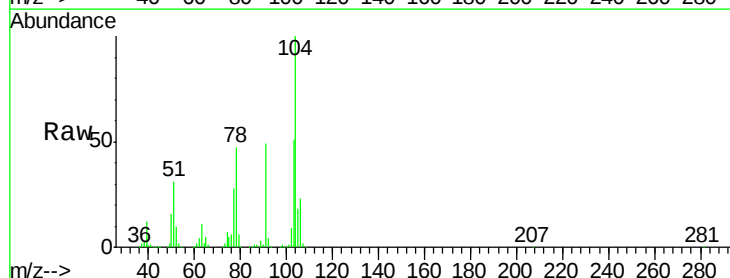
MMDadoda

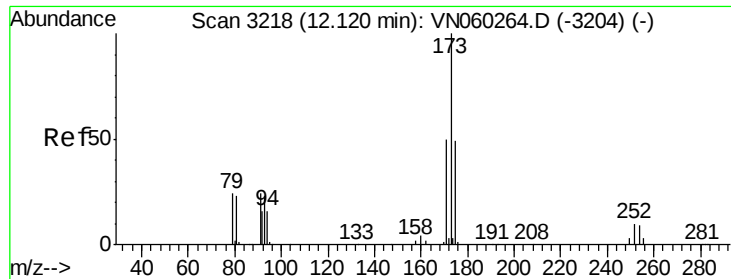
3/17/2020 11:48:23 AM



#70
Styrene
Concen: 46.128 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion:104 Resp: 314876
Ion Ratio Lower Upper
104 100
78 51.6 41.2 61.8
103 55.3 43.9 65.9





#71

Bromoform

Concen: 51.147 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

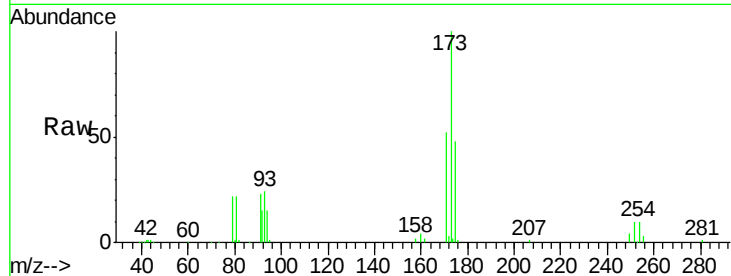
MSVOA_N

ClientSampled :

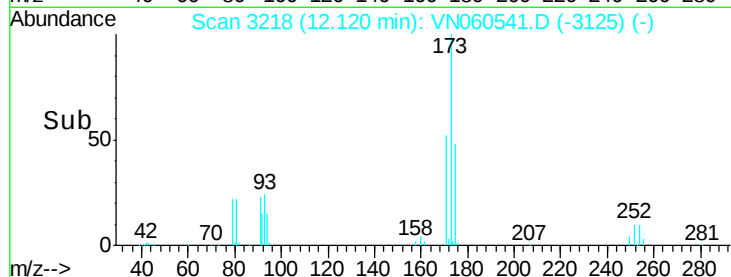
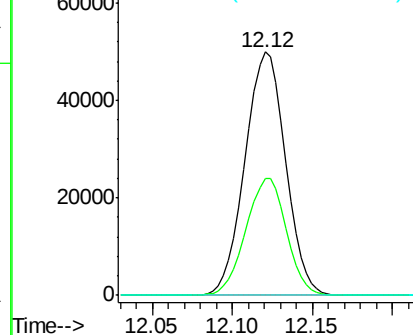
VSTDCCC050EC

Tot Ion:	173	Resp:	86367
Ion Ratio	Lower	Upper	
173	100		
175	48.1	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

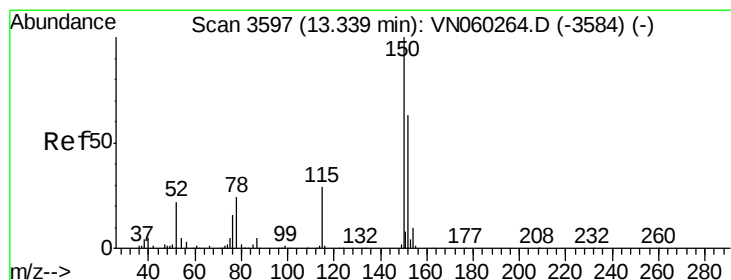


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



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3/17/2020 11:48:23 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

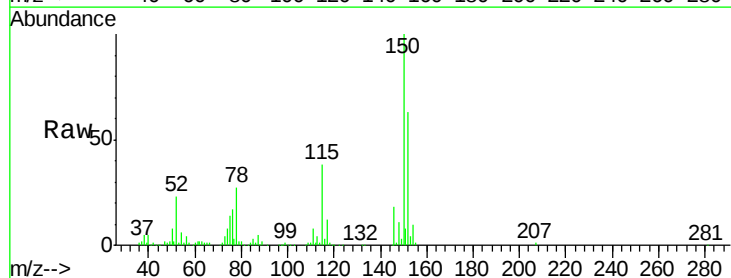
RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

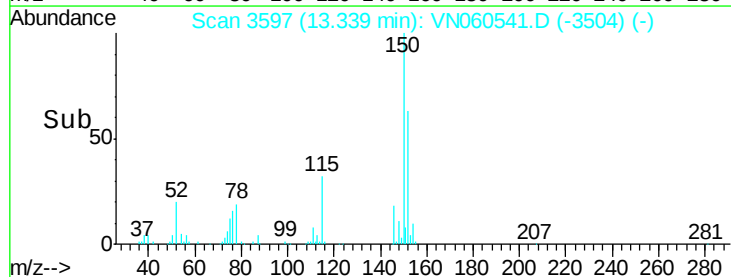
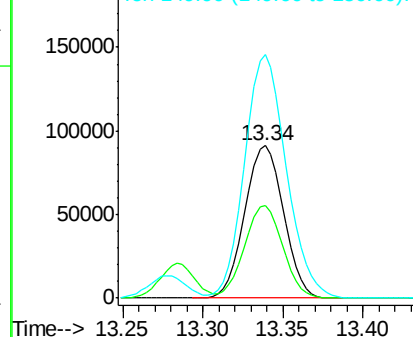
Lab File: VN060541.D

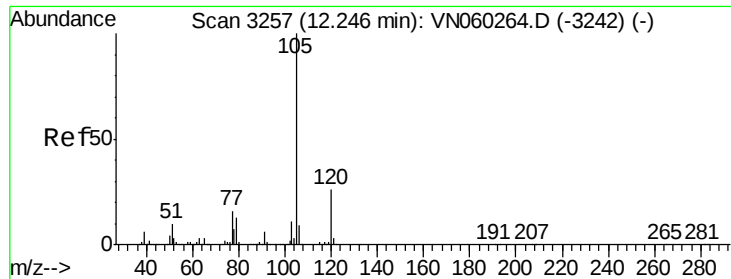
Acq: 16 Mar 2020 22:01

Tgt Ion:	152	Resp:	150952
Ion Ratio	Lower	Upper	
152	100		
115	60.0	30.0	90.0
150	171.9	0.0	349.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.208 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

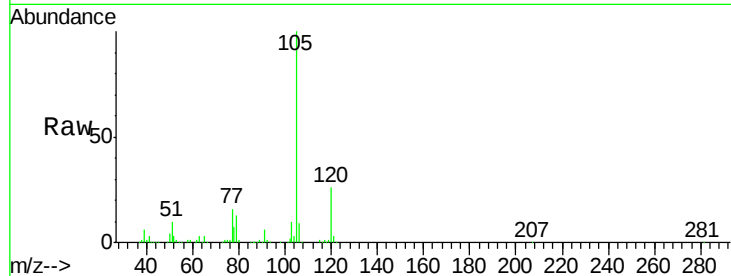
Tot Ion: 105 Resp: 505804

Ion Ratio Lower Upper

105 100

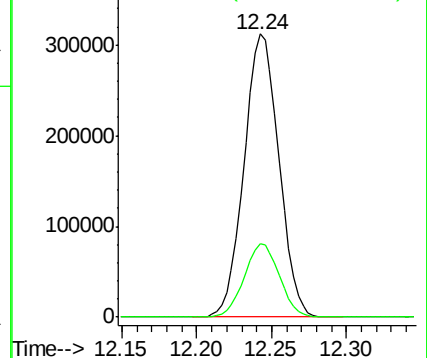
120 26.0 13.0 38.9

Manual Integrations
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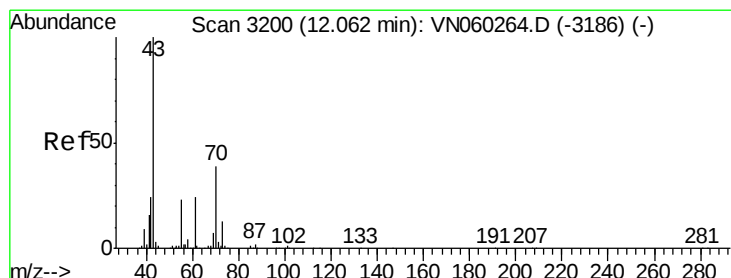
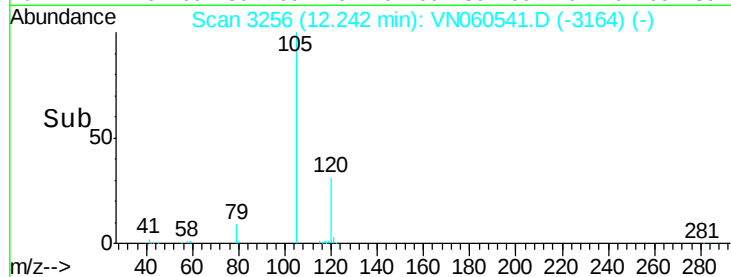
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#74

N-ethyl acetate

Concen: 49.588 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Tgt Ion: 43 Resp: 242438

Ion Ratio Lower Upper

43 100

70 39.7 32.2 48.2

55 24.1 18.2 27.4

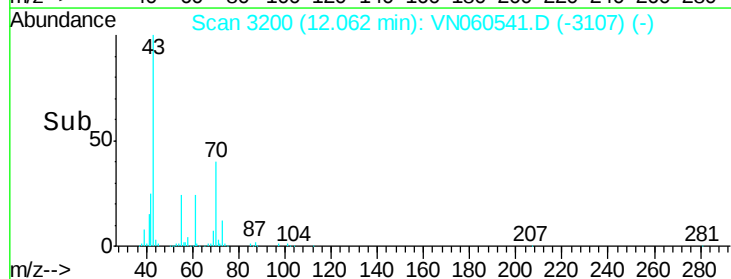
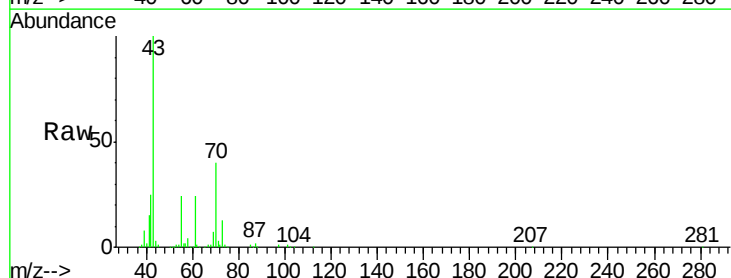
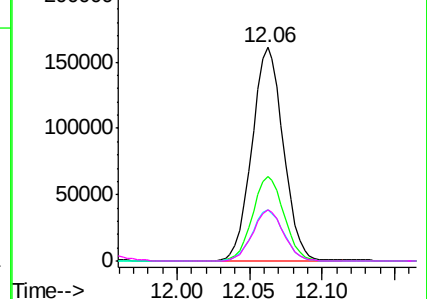
61 23.8 19.2 28.8

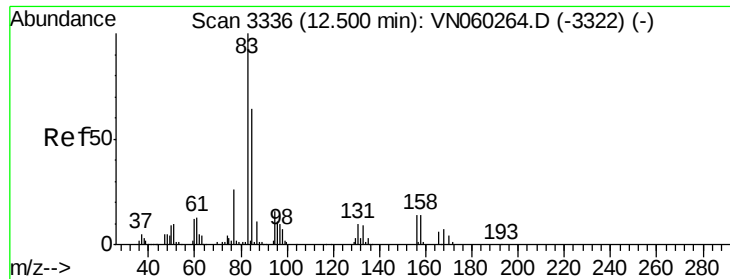
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.323 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

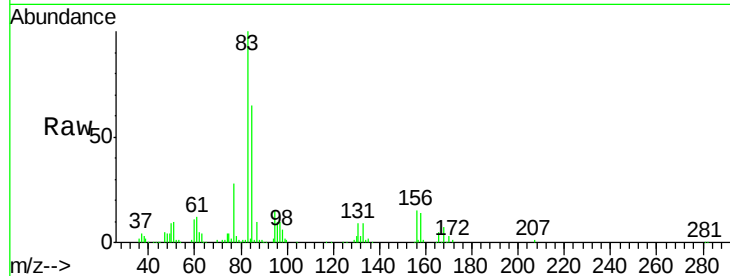
MSVOA_N

ClientSampleId :

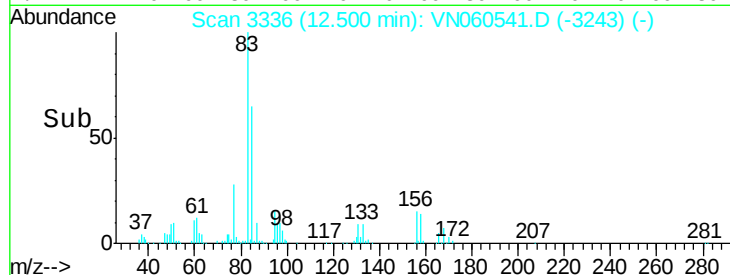
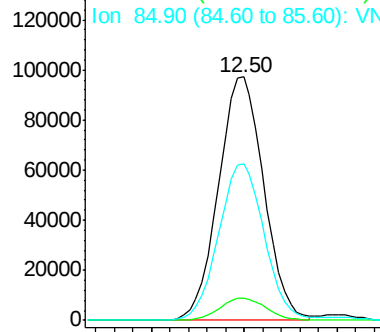
VSTDCCC050EC

Tot Ion:	83	Resp:	165213
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.1	15.3
85	64.5	32.3	96.8

Manual Integrations
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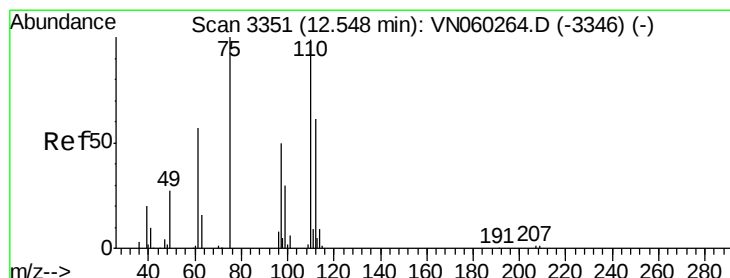


Abundance Ion 82.90 (82.60 to 83.60): VN060541.D (-3243) (-)



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#76

1,2,3-Trichloropropane

Concen: 44.189 ug/l m

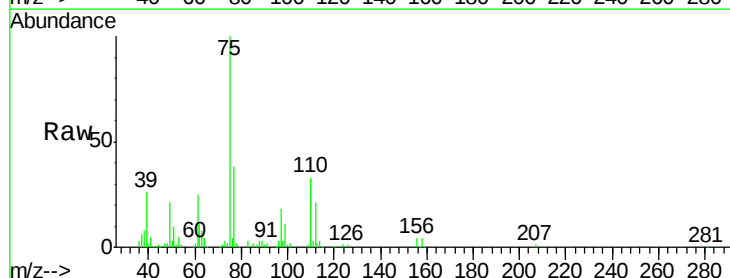
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

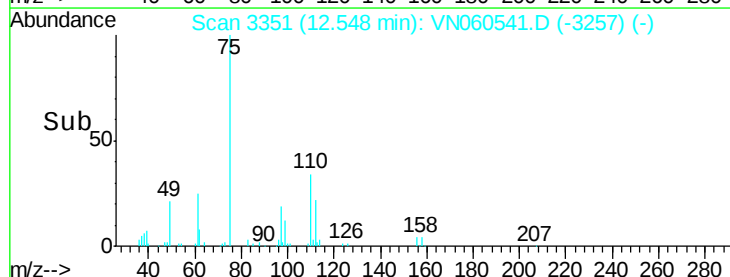
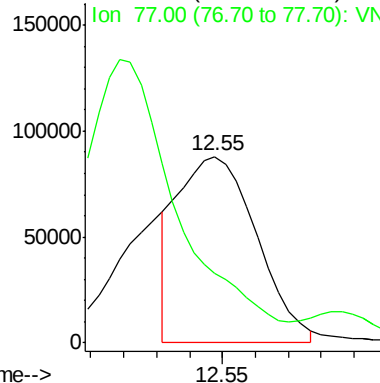
Lab File: VN060541.D

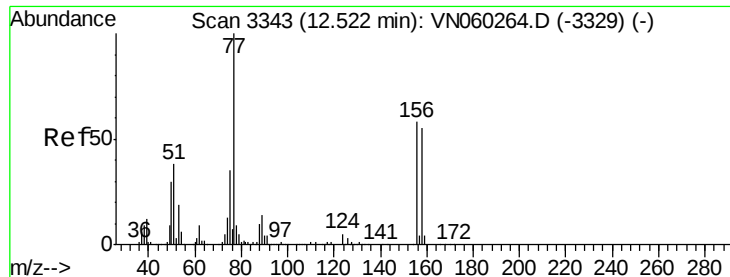
Acq: 16 Mar 2020 22:01

Tgt Ion:	75	Resp:	146350
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060541.D (-3257) (-)





#77

Bromobenzene

Concen: 45.184 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

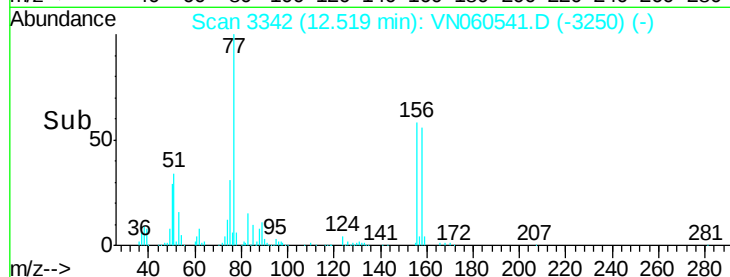
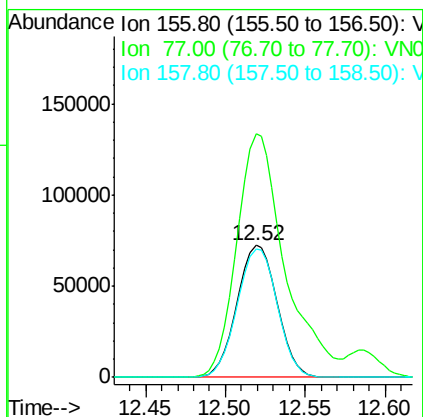
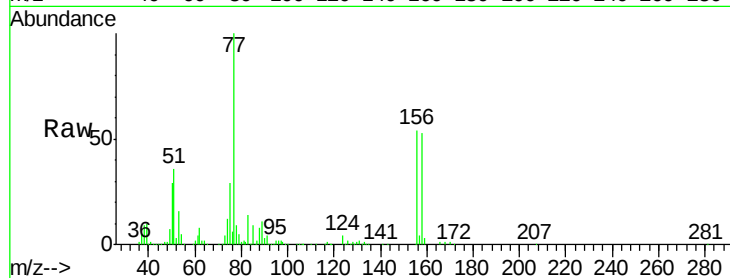
MSVOA_N

ClientSampleId :

VSTDCCC050EC

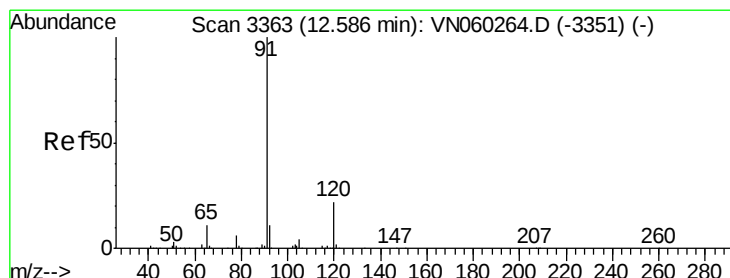
Tot Ion:	156	Resp:	123919
Ion Ratio	Lower	Upper	
156	100		
77	221.8	106.1	318.3
158	97.1	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 45.203 ug/l

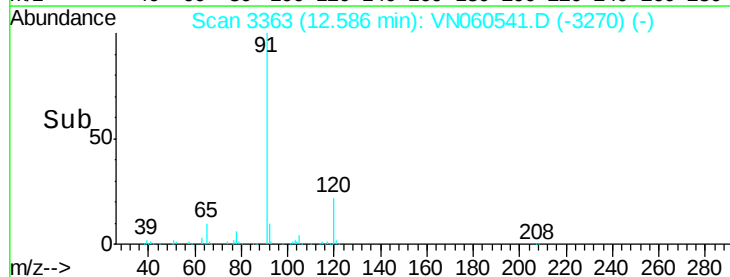
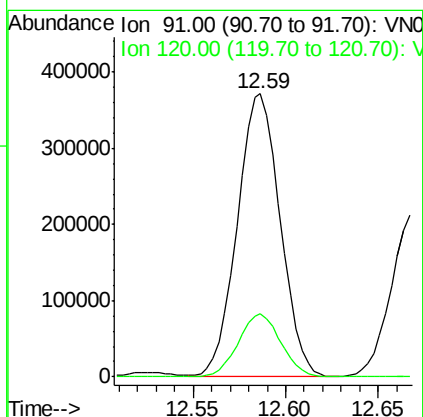
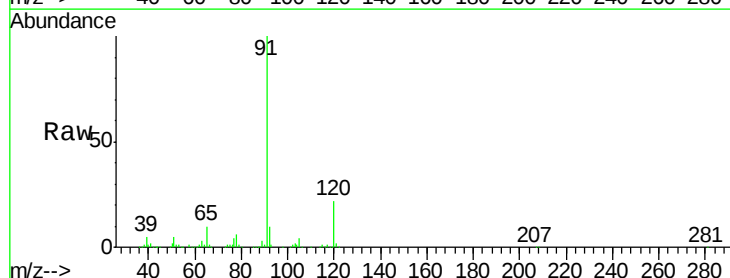
RT: 12.59 min Scan# 3363

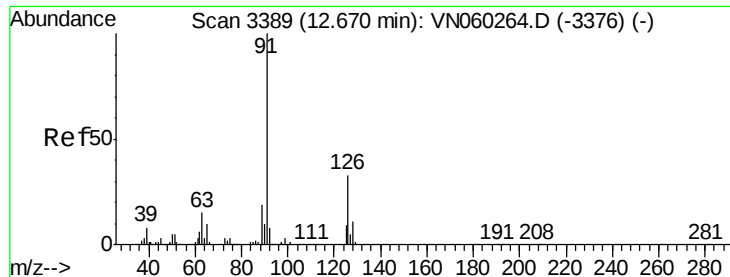
Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Tgt Ion:	91	Resp:	592826
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.3	33.9





#79

2-Chlorotoluene

Concen: 45.690 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

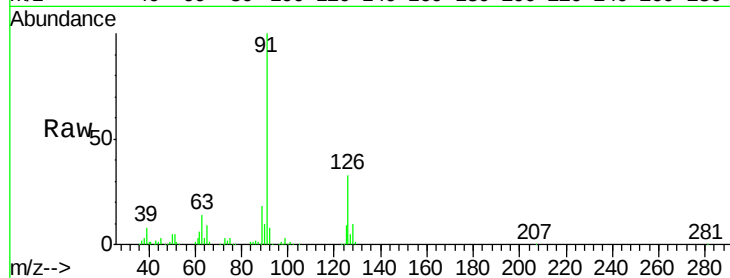
Tot Ion: 91 Resp: 352232

Ion Ratio Lower Upper

91 100

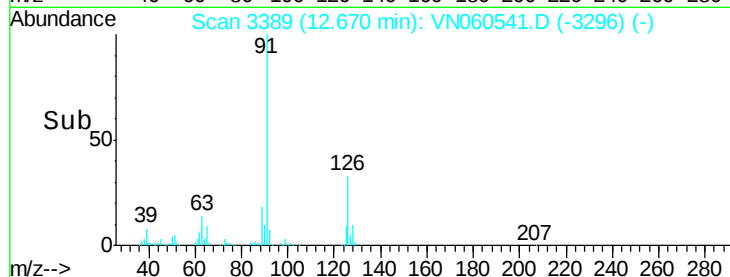
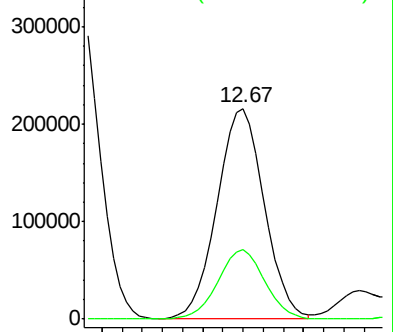
126 32.9 16.6 49.8

Manual Integrations
APPROVED



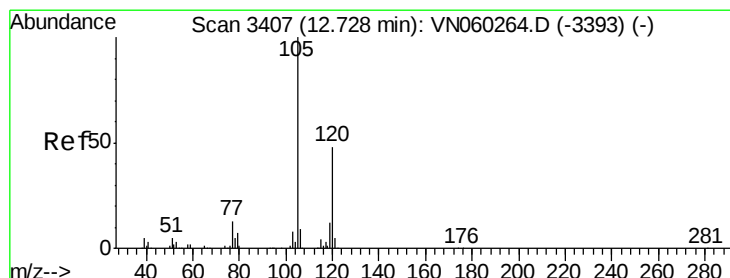
Abundance Ion 91.00 (90.70 to 91.70): VN060541.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN060541.D (-3296) (-)



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#80

1,3,5-Trimethylbenzene

Concen: 45.127 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060541.D

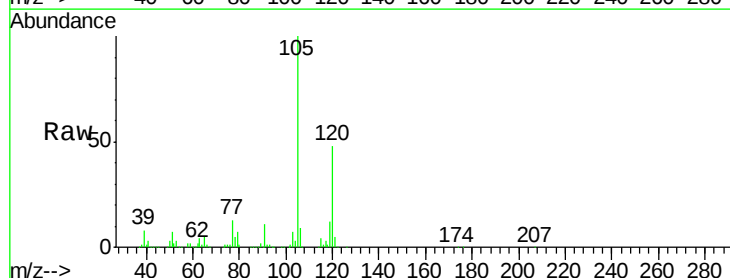
Acq: 16 Mar 2020 22:01

Tgt Ion: 105 Resp: 425097

Ion Ratio Lower Upper

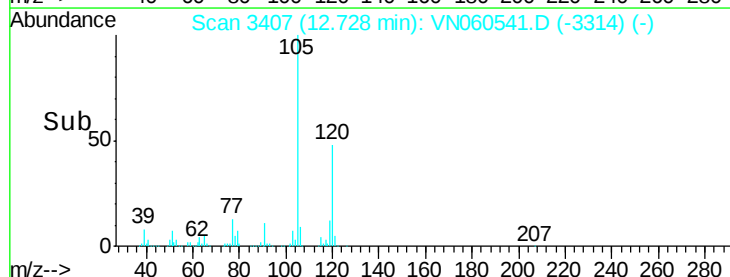
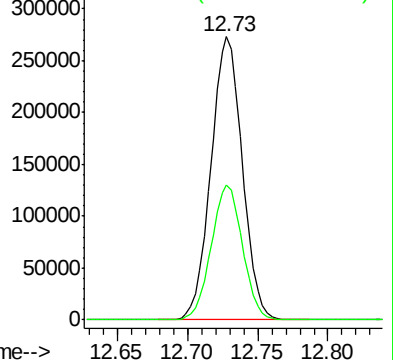
105 100

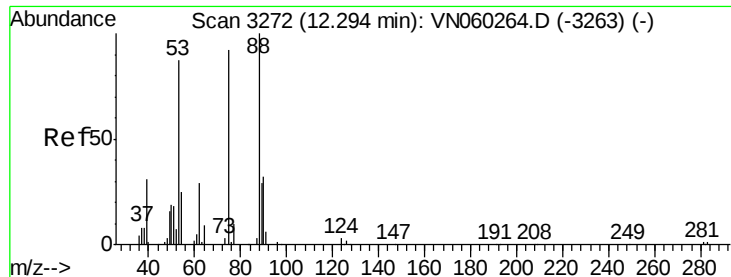
120 47.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060541.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060541.D (-3314) (-)



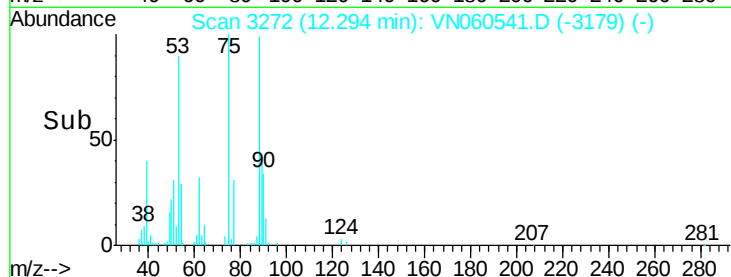
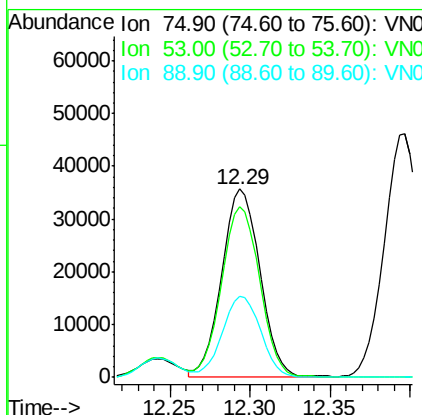
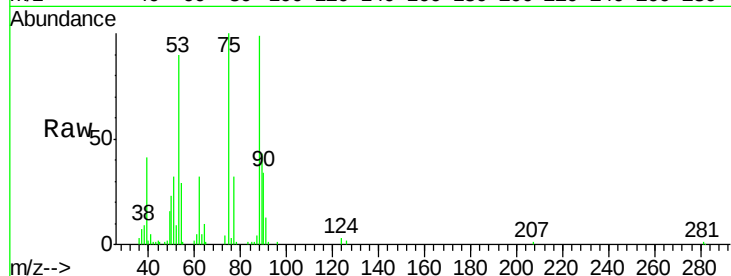


#81
trans-1,4-Dichloro-2-butene
Concen: 48.902 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

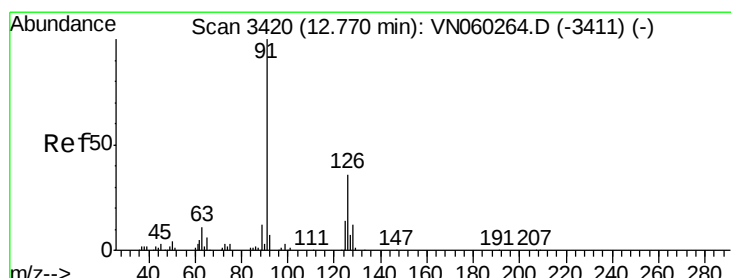
Tot Ion	Ratio	Lower	Upper
75	100		
53	90.6	73.8	110.6
89	43.0	57.1	85.7#

Manual Integrations
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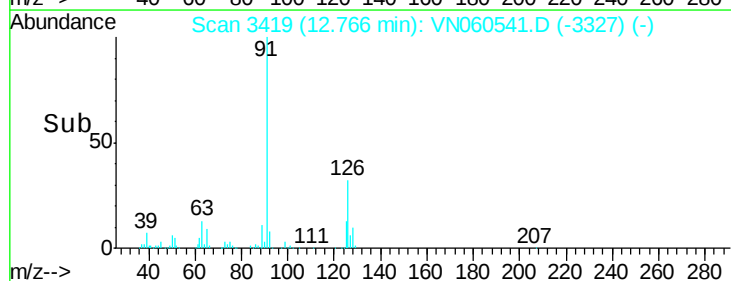
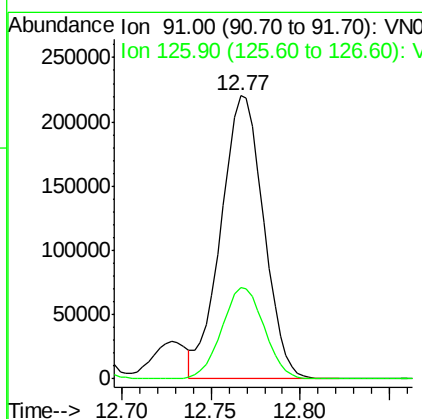
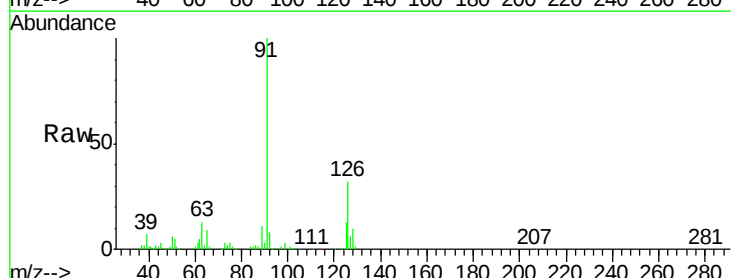
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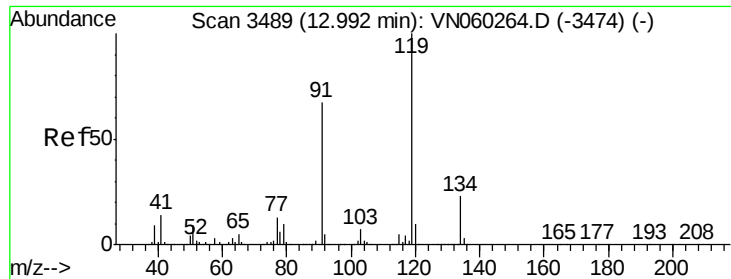
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#82
4-Chlorotoluene
Concen: 44.908 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.7	50.1



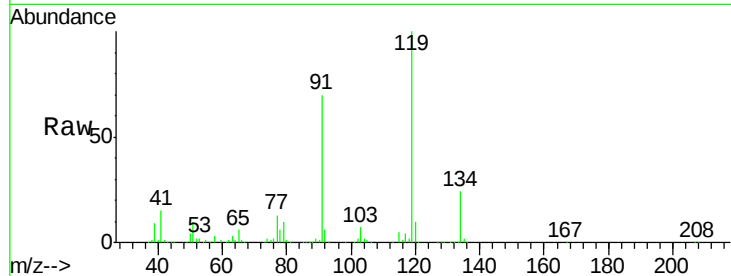


#83
tert-Butylbenzene
Concen: 45.082 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

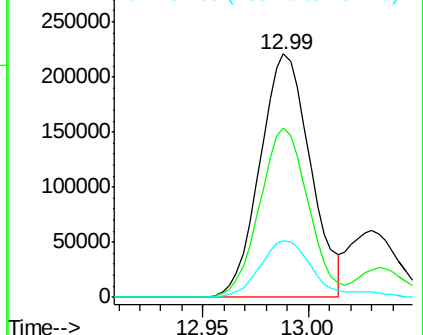
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	33.1	99.2
134	25.0	12.4	37.0

Manual Integrations
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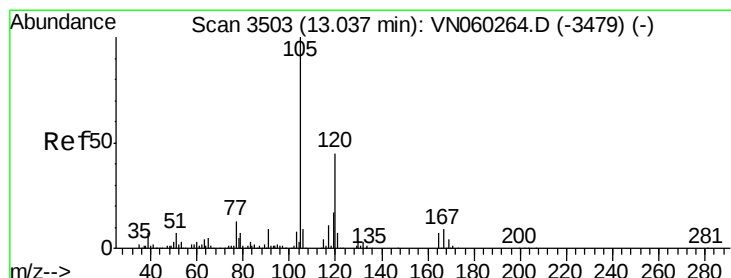
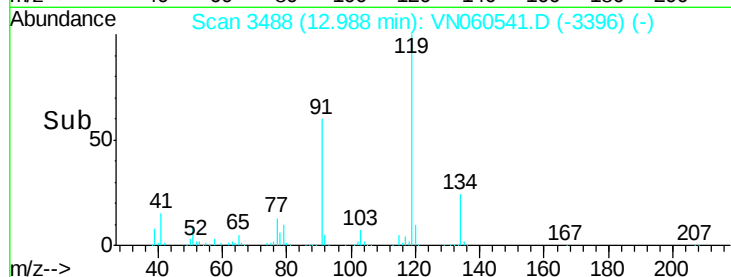


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



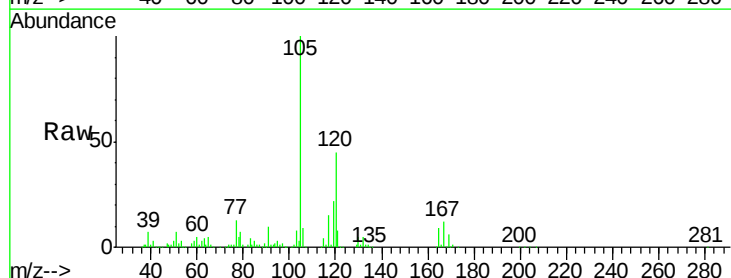
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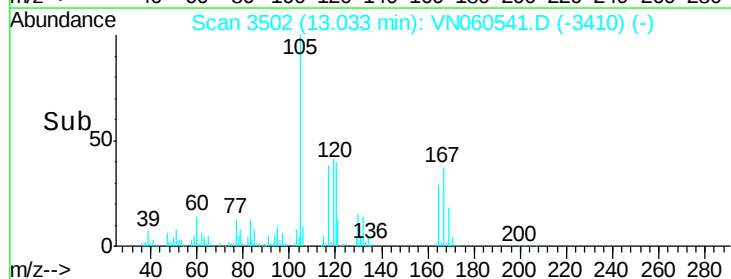
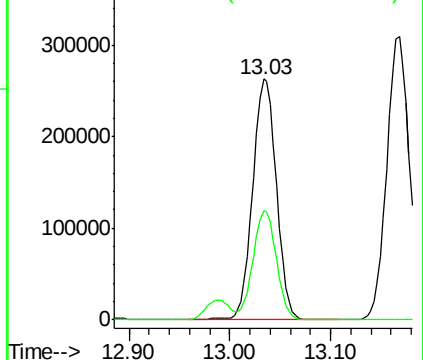


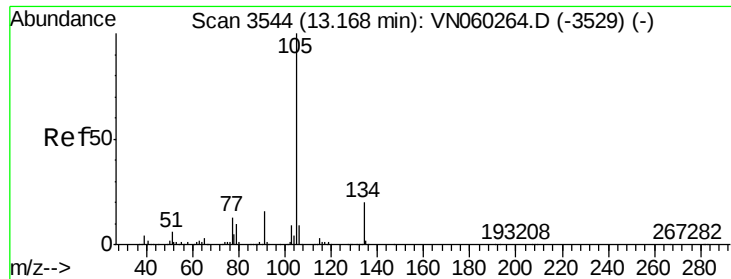
#84
1,2,4-Trimethylbenzene
Concen: 44.694 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.3	66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



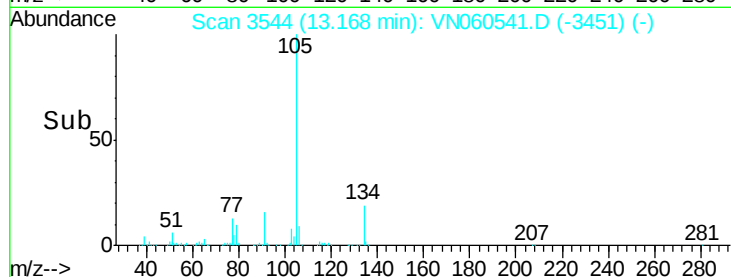
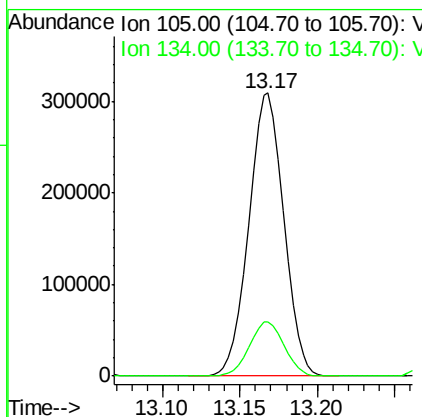
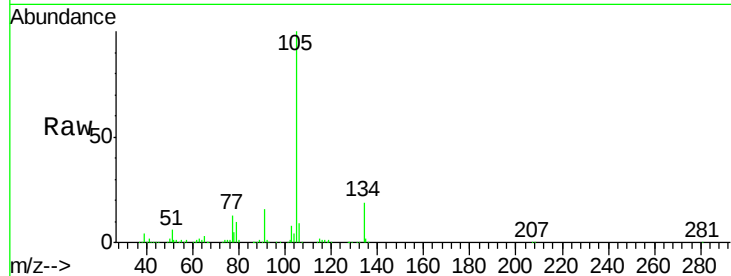


#85
 sec-Butylbenzene
 Concen: 44.587 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

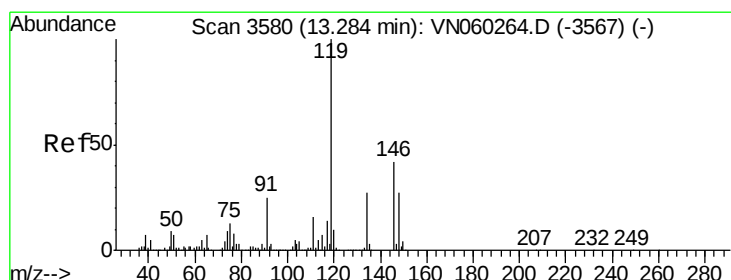
Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.5

Manual Integrations
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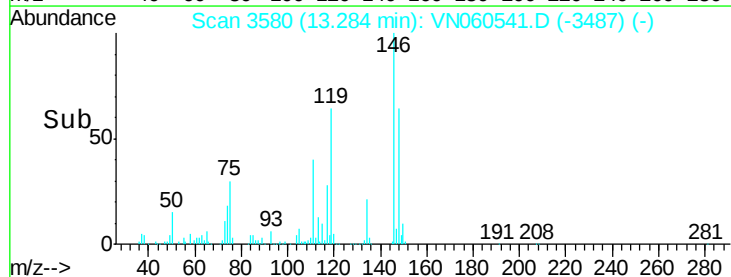
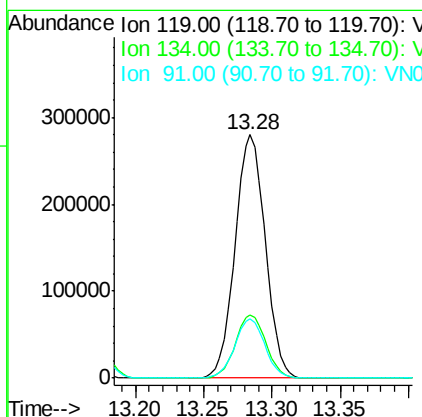
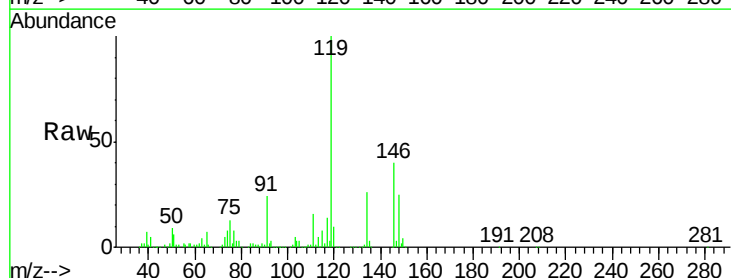
MMDadoda

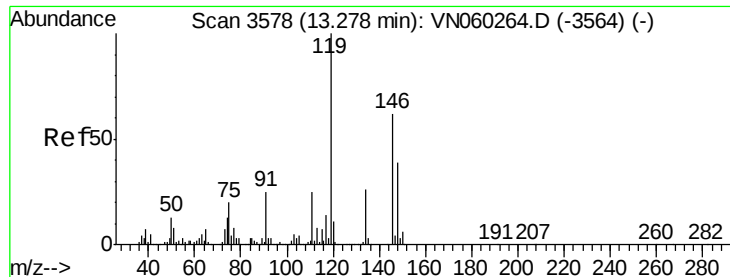
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#86
 p-Isopropyltoluene
 Concen: 42.438 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.2	39.6
91	24.2	12.2	36.6





#87

1,3-Dichlorobenzene

Concen: 46.061 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

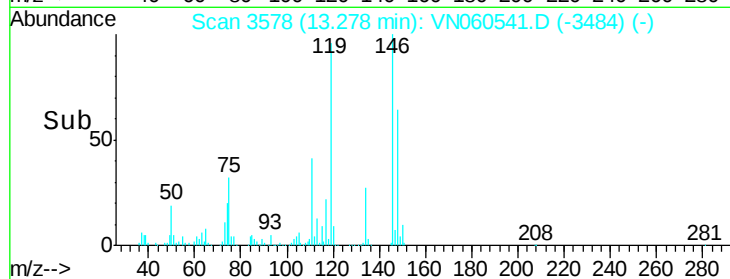
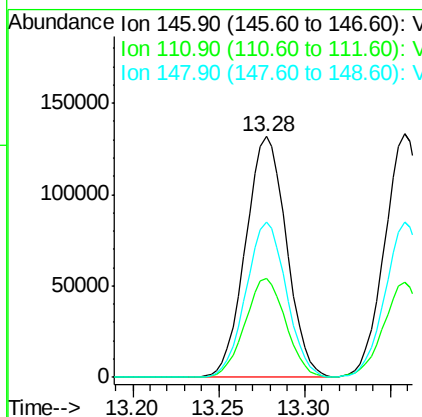
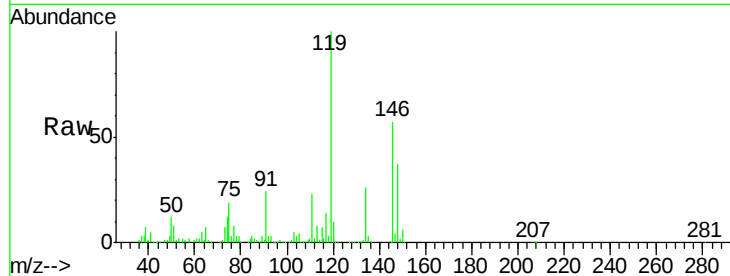
Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

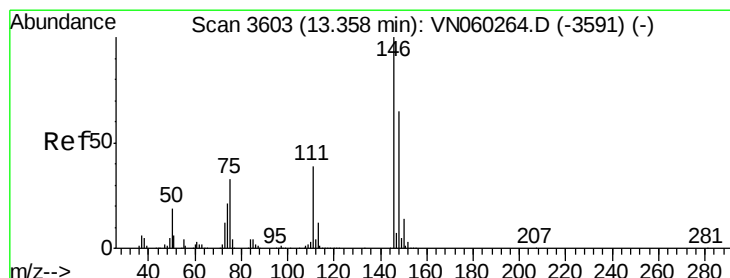
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.0	59.9
148	63.7	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 46.179 ug/l

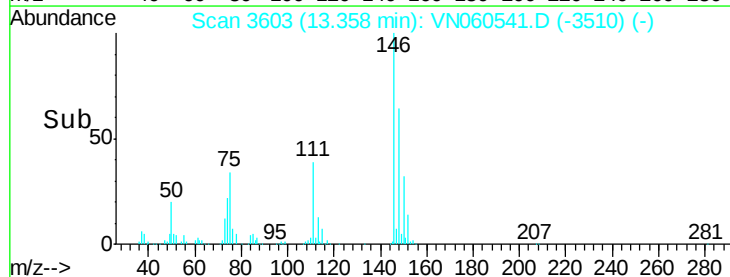
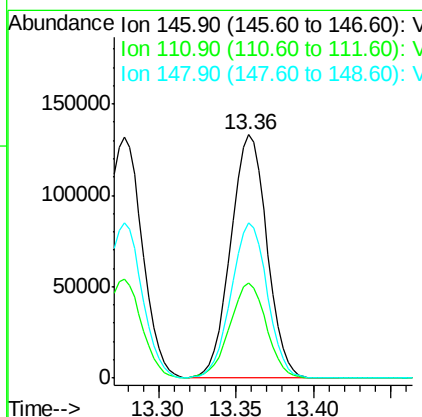
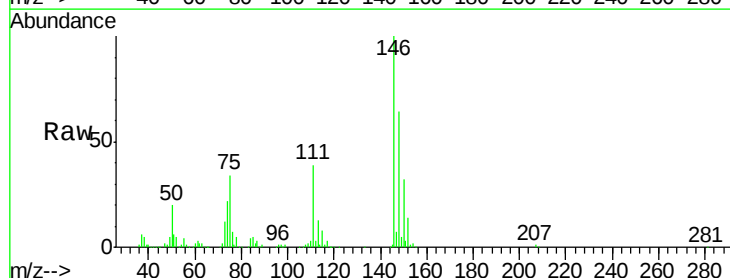
RT: 13.36 min Scan# 3603

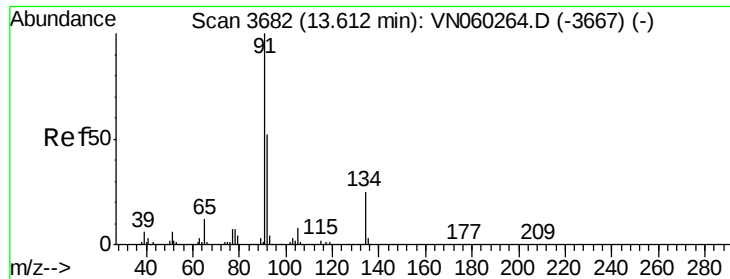
Delta R.T. 0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.4
148	63.6	32.3	96.9



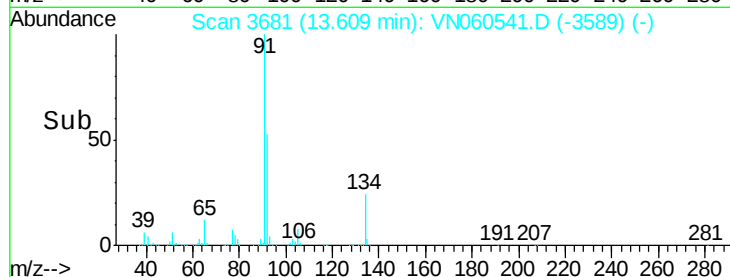
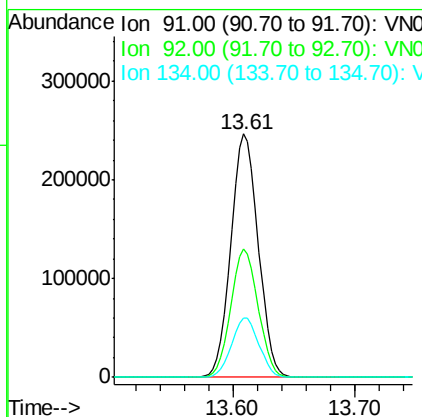
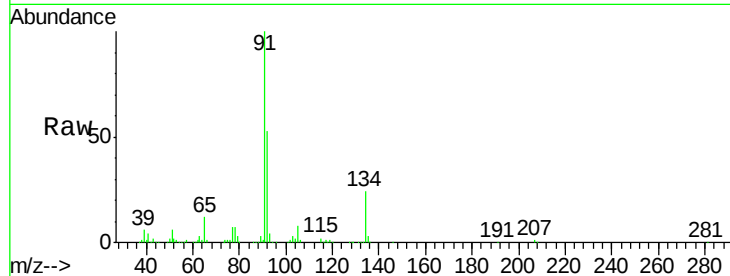


#89
n-Butylbenzene
Concen: 41.464 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

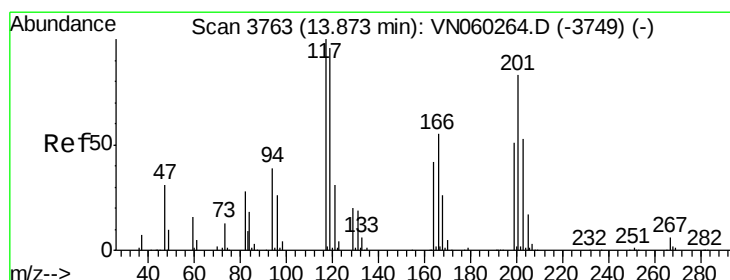
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.0	78.0
134	24.5	12.7	38.1

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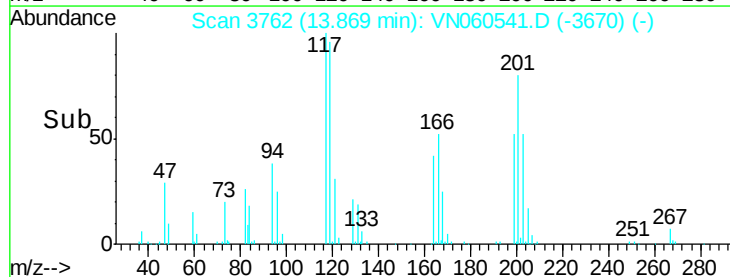
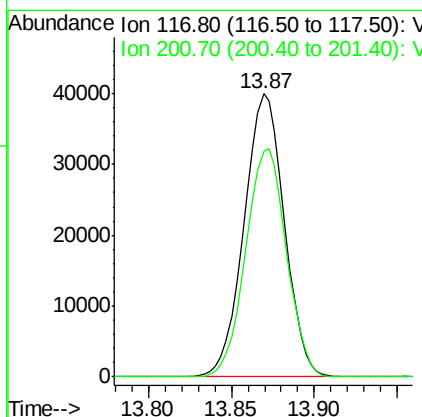
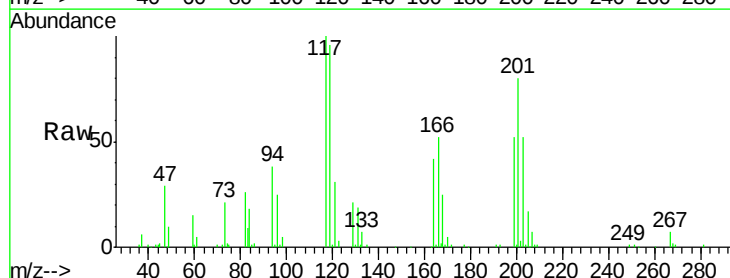
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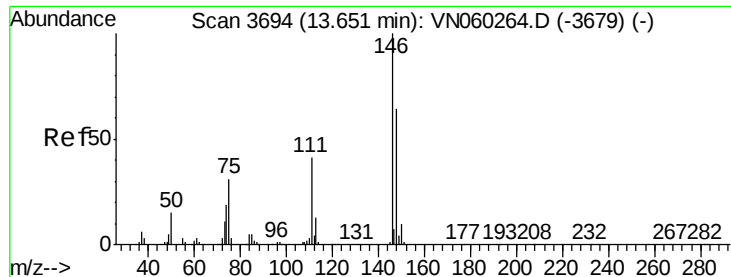
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#90
Hexachloroethane
Concen: 45.992 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.6	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 44.281 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

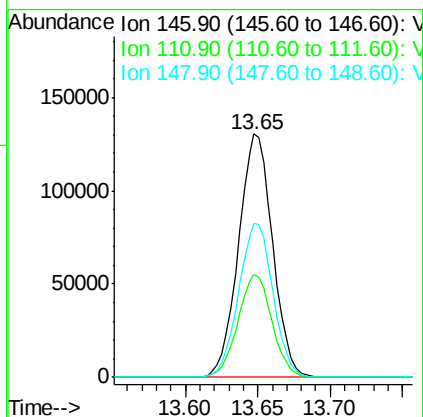
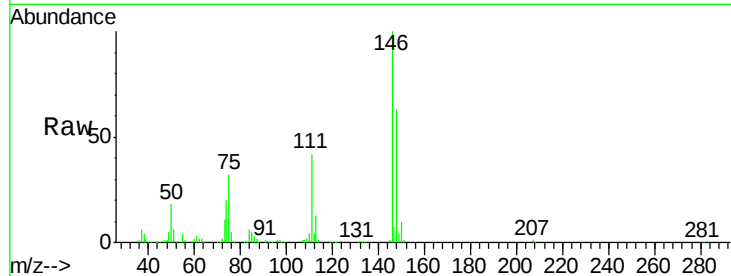
MSVOA_N

ClientSampled :

VSTDCCC050EC

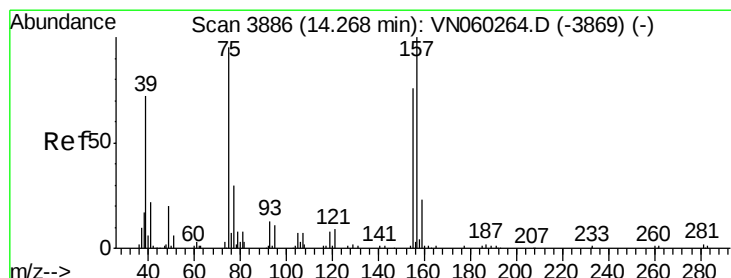
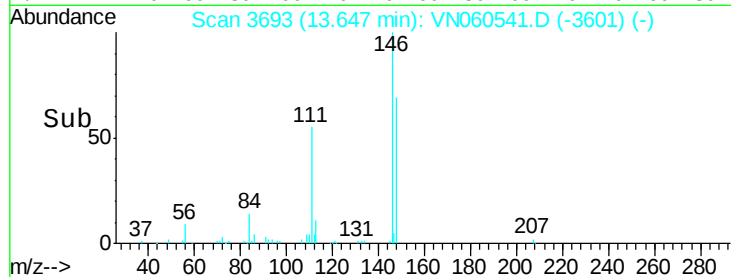
Tot Ion:	146	Resp:	212801
Ion Ratio		Lower	Upper
146	100		
111	42.1	20.3	61.0
148	64.0	31.8	95.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.849 ug/l

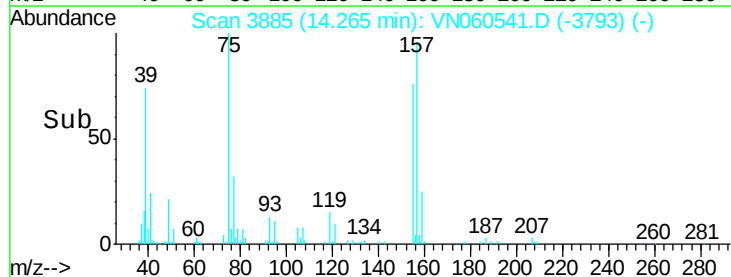
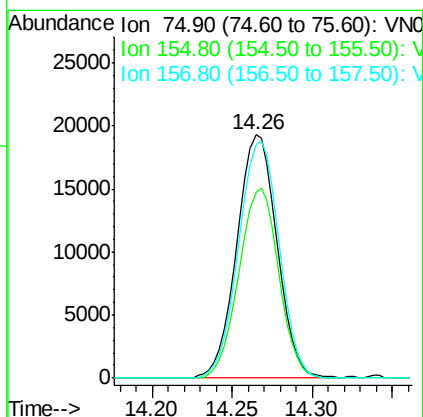
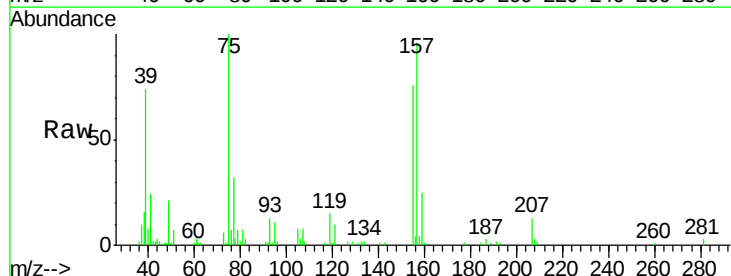
RT: 14.26 min Scan# 3885

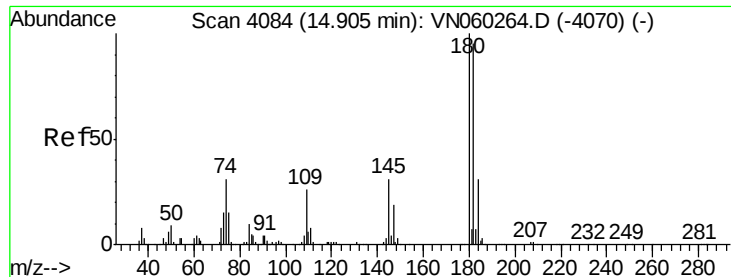
Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Tgt Ion:	75	Resp:	32954
Ion Ratio		Lower	Upper
75	100		
155	77.3	40.4	121.2
157	98.4	52.5	157.5



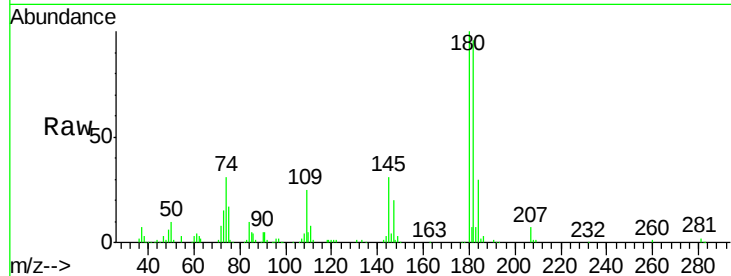


#93
 1,2,4-Trichlorobenzene
 Concen: 42.479 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

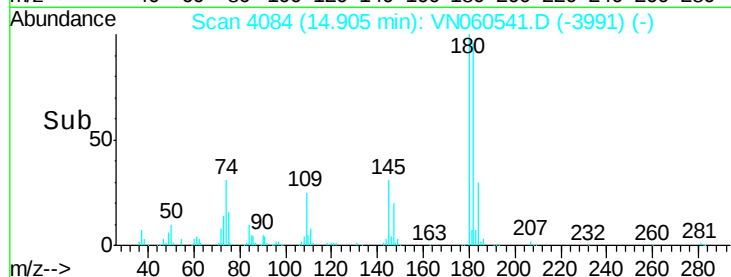
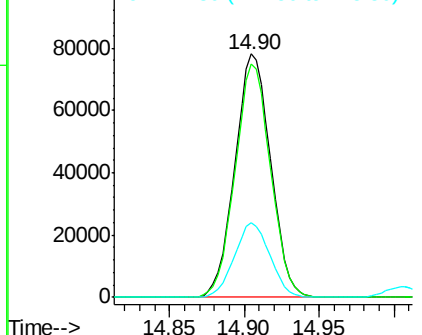
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.8	143.3
145	30.6	15.4	46.1

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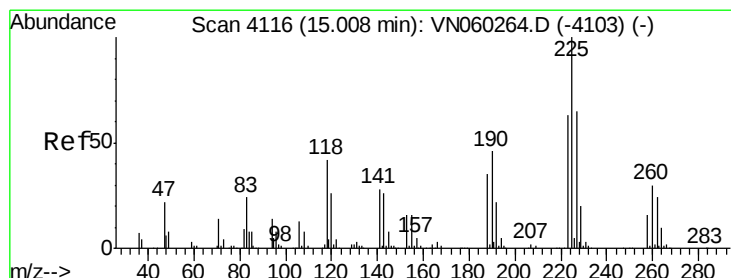


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



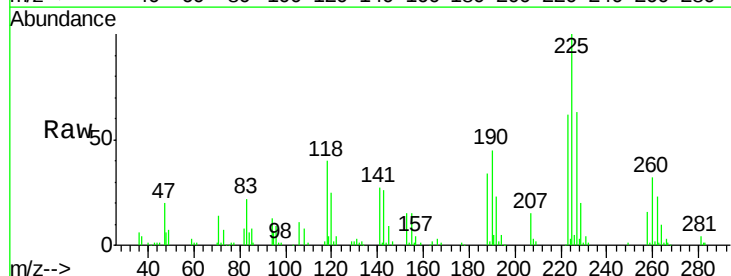
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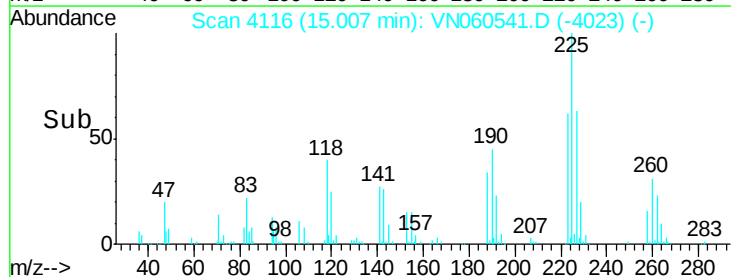
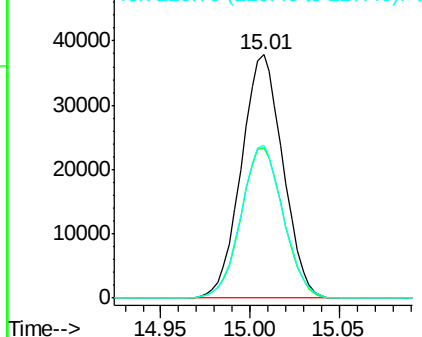


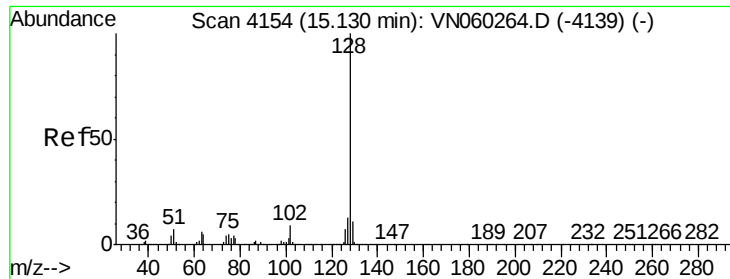
#94
 Hexachlorobutadiene
 Concen: 43.982 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.3	93.9
227	63.5	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



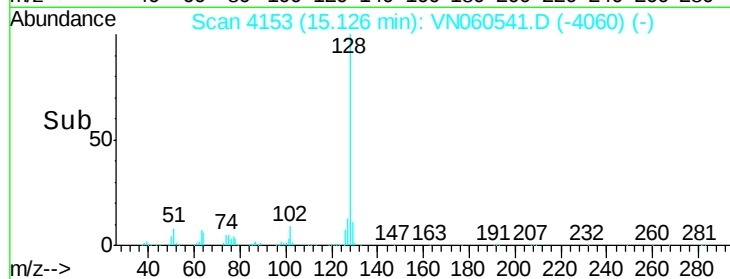
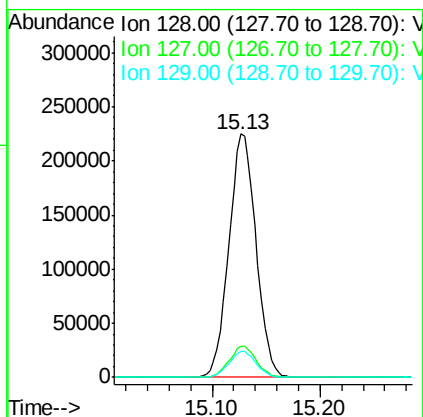
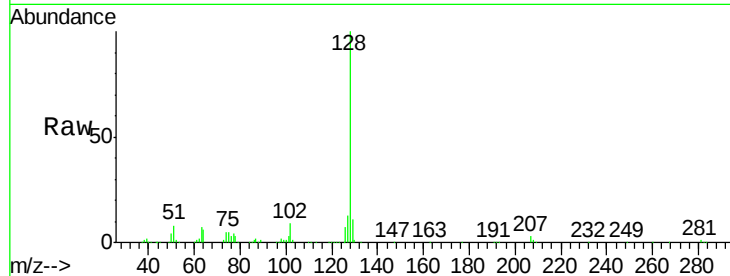


#95
Naphthalene
Concen: 43.733 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

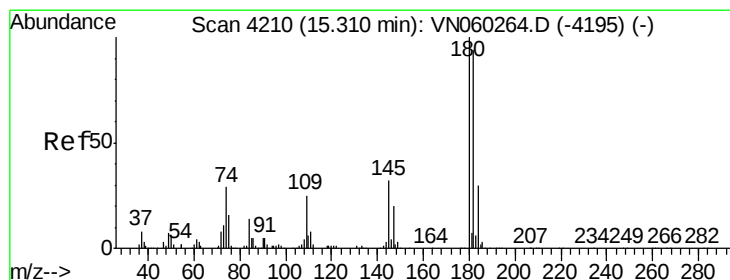
Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100				
127	12.8	10.4	15.6		
129	10.7	8.6	13.0		

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 43.466 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100				
182	95.5	47.3	142.0		
145	32.2	16.2	48.5		

