

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021320\
 Data File : VN060096.D
 Acq On : 13 Feb 2020 16:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 10:27:31 AM

Quant Time: Feb 14 06:11:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	193385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	308976	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	292431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151934	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	117810	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	7.56	113	94425	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
50) Toluene-d8	10.08	98	372724	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	141088	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	104813	54.223	ug/l	98
3) Chloromethane	2.04	50	121367	52.760	ug/l	98
4) Vinyl Chloride	2.17	62	137889	52.589	ug/l	100
5) Bromomethane	2.54	94	82379	51.239	ug/l	99
6) Chloroethane	2.68	64	69835	52.658	ug/l	98
7) Trichlorofluoromethane	3.00	101	174178	51.524	ug/l	99
8) Diethyl Ether	3.38	74	60478	53.744	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	97787	52.101	ug/l	98
10) Methyl Iodide	3.93	142	134049	52.988	ug/l	99
11) Tert butyl alcohol	4.73	59	88799	252.170	ug/l	99
12) 1,1-Dichloroethene	3.72	96	97715	53.444	ug/l	98
13) Acrolein	3.57	56	87107	250.258	ug/l	96
14) Allyl chloride	4.29	41	138566	51.491	ug/l	97
15) Acrylonitrile	4.94	53	234750	272.974	ug/l	100
16) Acetone	3.78	43	230840	224.894	ug/l	99
17) Carbon Disulfide	4.03	76	284182	51.566	ug/l	100
18) Methyl Acetate	4.28	43	105284	54.603	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	321750	52.328	ug/l	99
20) Methylene Chloride	4.52	84	106743	52.125	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	104888	52.626	ug/l	98
22) Diisopropyl ether	5.91	45	317460	53.827	ug/l	95
23) Vinyl Acetate	5.86	43	1356992	273.986	ug/l	100
24) 1,1-Dichloroethane	5.82	63	189401	53.012	ug/l	99
25) 2-Butanone	6.80	43	322226	249.608	ug/l	99
26) 2,2-Dichloropropane	6.79	77	171031	50.399	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	120814	51.796	ug/l	100
28) Bromochloromethane	7.17	49	68148	48.518	ug/l	99
29) Tetrahydrofuran	7.18	42	206633	260.914	ug/l	99
30) Chloroform	7.35	83	197793	52.849	ug/l	99
31) Cyclohexane	7.63	56	169521	50.935	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	179096	52.366	ug/l	99
36) 1,1-Dichloropropene	7.77	75	149725	52.317	ug/l	99
37) Ethyl Acetate	6.89	43	134746	52.097	ug/l	99
38) Carbon Tetrachloride	7.75	117	157890	50.799	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	184326	51.886	ug/l	99
40) Benzene	8.02	78	441761	52.037	ug/l	100
41) Methacrylonitrile	7.15	41	59308m	54.677	ug/l	
42) 1,2-Dichloroethane	8.10	62	155923	52.404	ug/l	100
43) Isopropyl Acetate	8.14	43	234963	53.143	ug/l	99
44) Trichloroethene	8.82	130	119272	50.740	ug/l	99
45) 1,2-Dichloropropane	9.10	63	111930	53.256	ug/l	100
46) Dibromomethane	9.19	93	77363	52.088	ug/l	99
47) Bromodichloromethane	9.38	83	159096	52.687	ug/l	99
48) Methyl methacrylate	9.18	41	103715	52.283	ug/l	99
49) 1,4-Dioxane	9.18	88	37385	1103.009	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	682486	266.684	ug/l	100
52) Toluene	10.14	92	286406	52.610	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	182957	53.678	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	189274	52.735	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	110584	52.068	ug/l	99
56) Ethyl methacrylate	10.42	69	165959	55.239	ug/l	99
57) 1,3-Dichloropropane	10.70	76	182636	52.115	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	428123	305.876	ug/l	99
59) 2-Hexanone	10.74	43	505502	255.707	ug/l	99
60) Dibromochloromethane	10.89	129	127653	52.377	ug/l	98
61) 1,2-Dibromoethane	10.99	107	118169	53.077	ug/l	100
64) Tetrachloroethene	10.62	164	105141	47.296	ug/l	98
65) Chlorobenzene	11.43	112	308145	51.721	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	118214	52.450	ug/l	99
67) Ethyl Benzene	11.50	91	564692	52.552	ug/l	99
68) m/p-Xylenes	11.62	106	430531	106.754	ug/l	99
69) o-Xylene	11.94	106	203664	52.449	ug/l	99
70) Styrene	11.96	104	342553	54.706	ug/l	100
71) Bromoform	12.12	173	97209	53.624	ug/l #	98
73) Isopropylbenzene	12.25	105	561090	49.454	ug/l	99
74) N-amyl acetate	12.07	43	216186	52.842	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	165471	50.670	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	145666m	50.112	ug/l	
77) Bromobenzene	12.52	156	138960	49.353	ug/l	99
78) n-propylbenzene	12.59	91	647788	50.114	ug/l	100
79) 2-Chlorotoluene	12.67	91	376184	49.512	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	477190	50.585	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	61954	52.186	ug/l	99
82) 4-Chlorotoluene	12.77	91	393649	50.500	ug/l	99
83) tert-Butylbenzene	12.99	119	402435	48.225	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	475928	51.109	ug/l	99
85) sec-Butylbenzene	13.17	105	551315	49.885	ug/l	100
86) p-Isopropyltoluene	13.29	119	508410	50.774	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	253176	50.798	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	251980	50.568	ug/l	100
89) n-Butylbenzene	13.61	91	456665	51.851	ug/l	99
90) Hexachloroethane	13.87	117	93267	49.858	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	245250	50.281	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33935	48.854	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	152445	53.192	ug/l	100
94) Hexachlorobutadiene	15.01	225	80754	48.131	ug/l	100
95) Naphthalene	15.13	128	401653	51.882	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	144924	50.779	ug/l	100

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

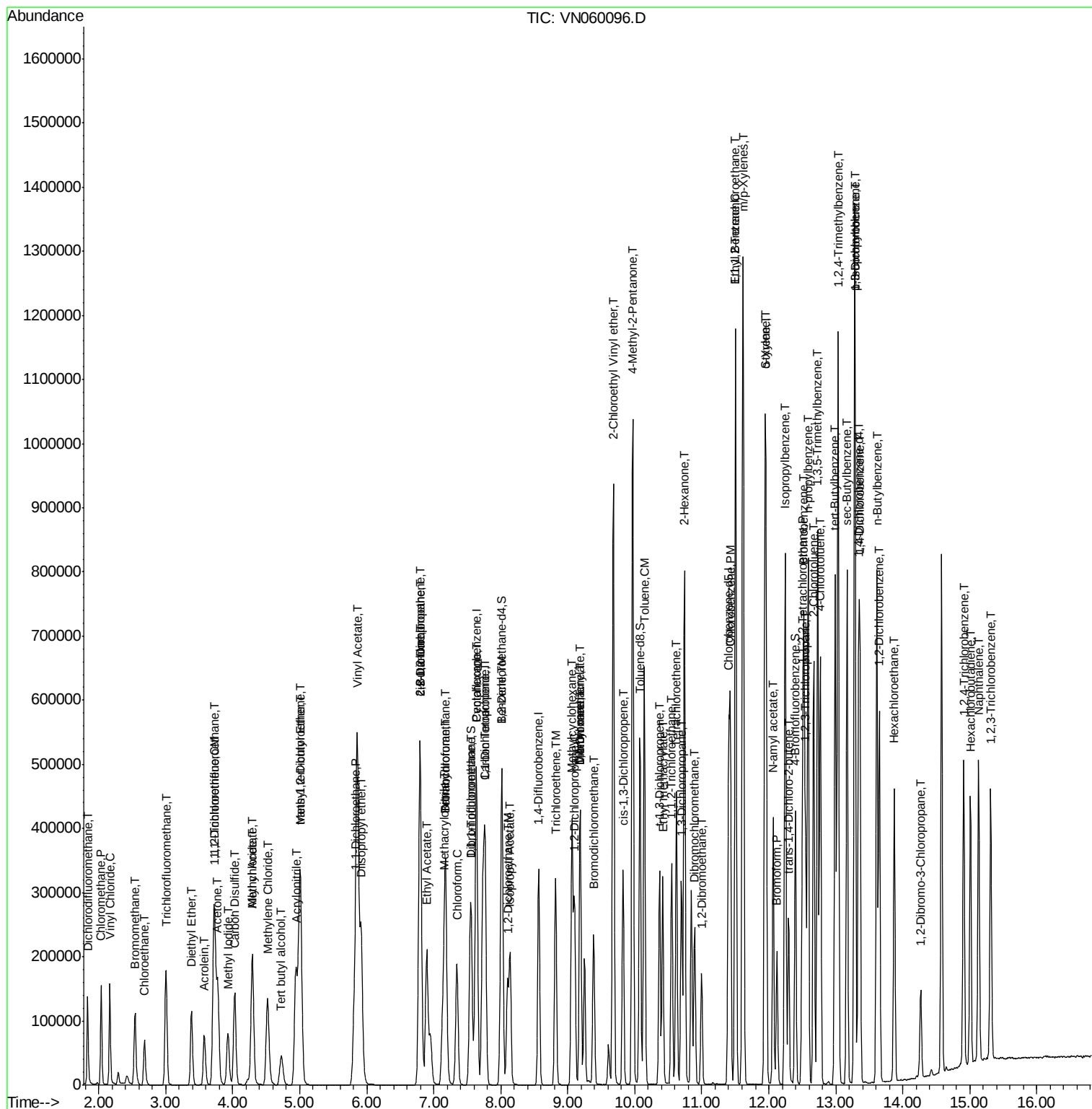
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021320\
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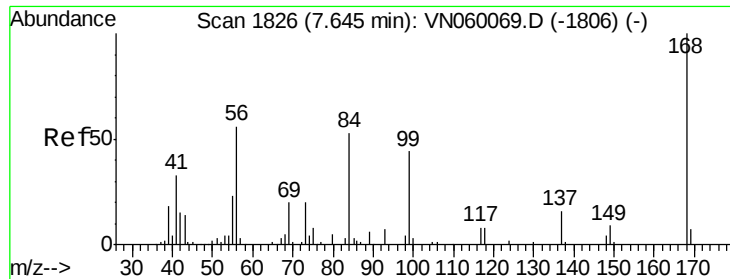
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 193385

Ion Ratio Lower Upper

168 100

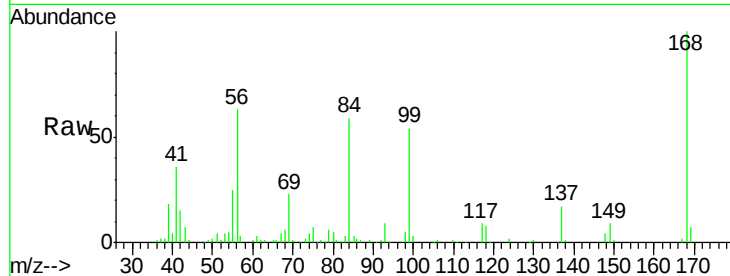
99 54.5 42.7 64.1

Manual Integrations

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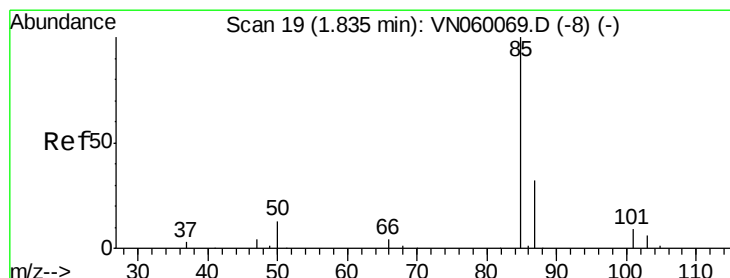
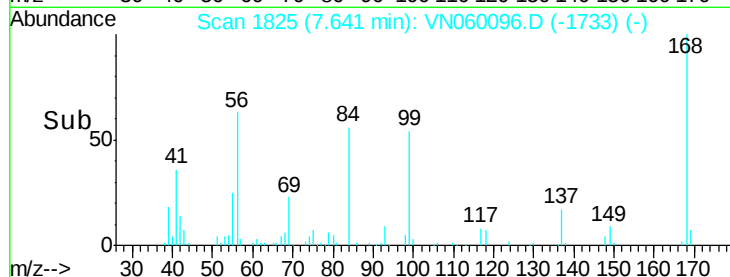
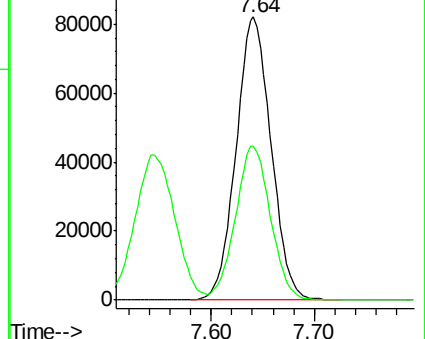
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2/14/2020 10:27:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 54.223 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060096.D

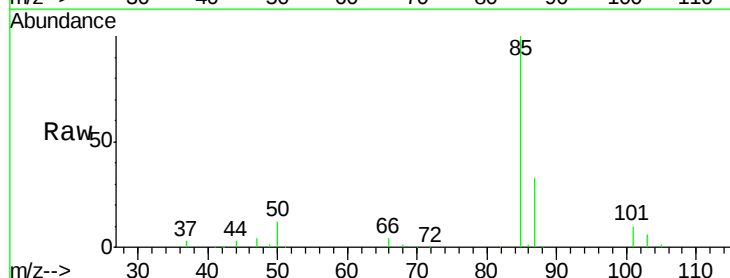
Acq: 13 Feb 2020 16:05

Tgt Ion: 85 Resp: 104813

Ion Ratio Lower Upper

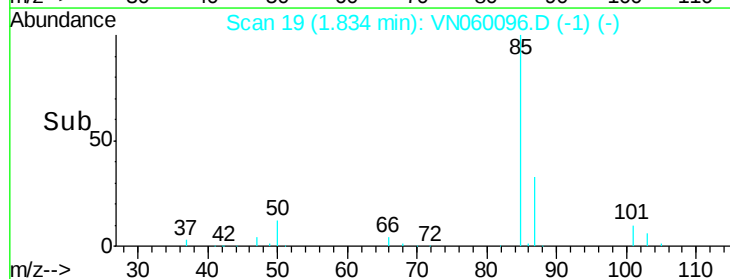
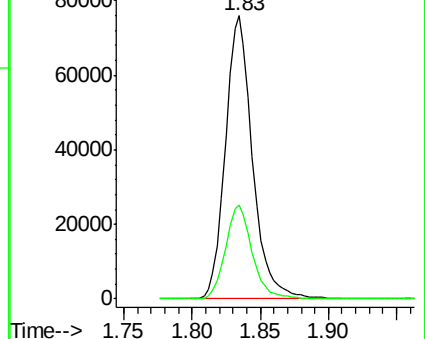
85 100

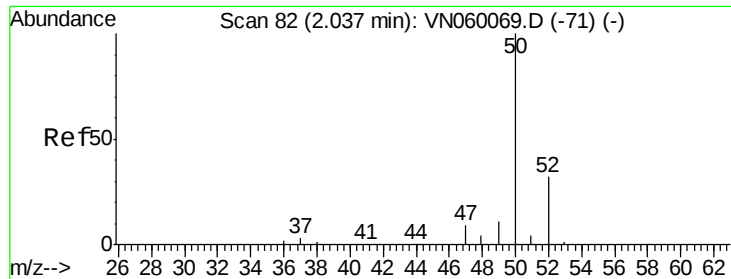
87 33.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 52.760 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 121367

Ion Ratio Lower Upper

50 100

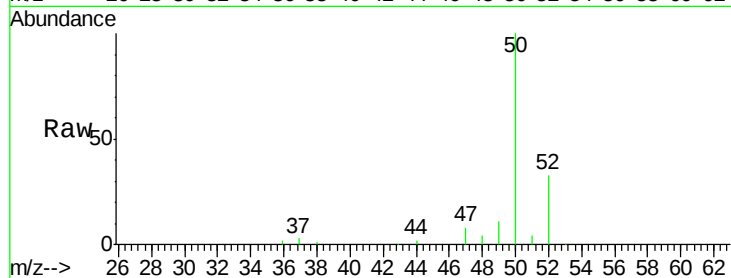
52 33.1 25.6 38.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

100000

80000

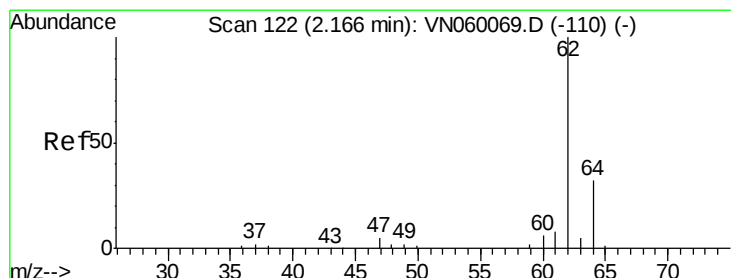
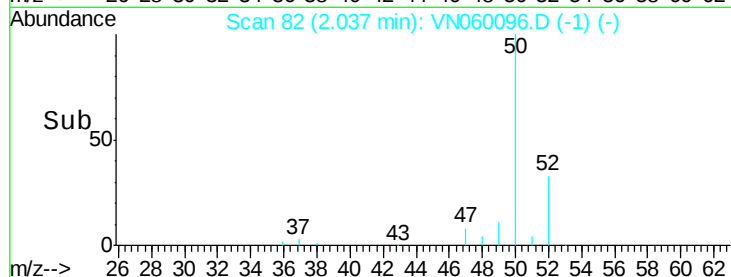
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 52.589 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060096.D

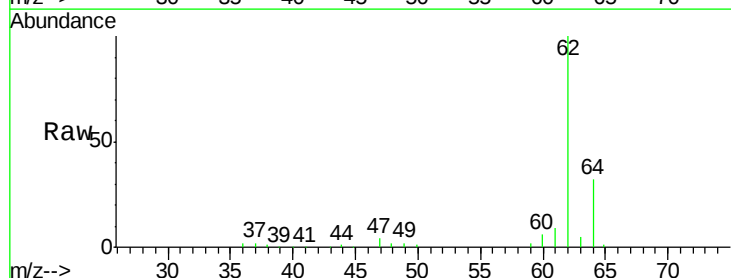
Acq: 13 Feb 2020 16:05

Tgt Ion: 62 Resp: 137889

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

100000

80000

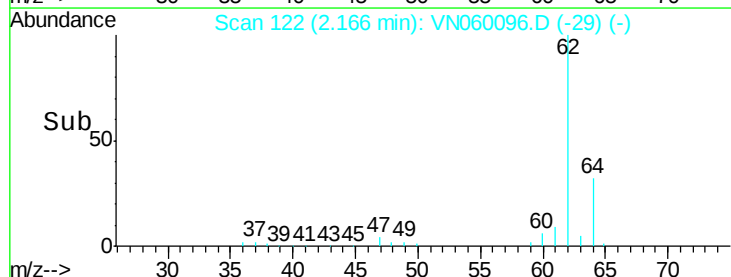
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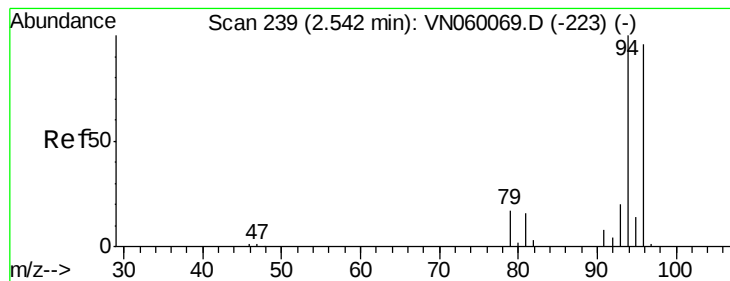
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Time-->





#5

Bromomethane

Concen: 51.239 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

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Tot Ion: 94 Resp: 82379

Ion Ratio Lower Upper

94 100

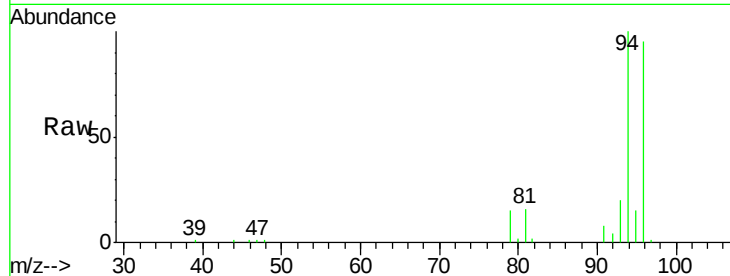
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Manual Integrations

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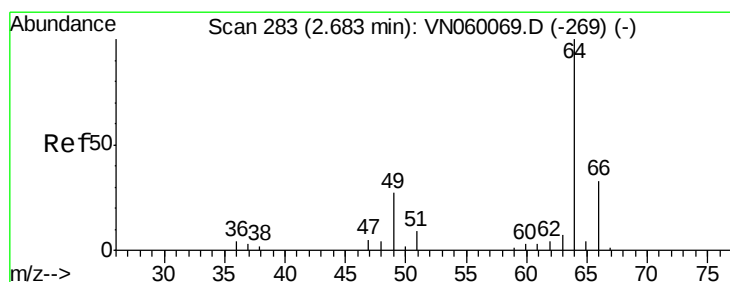
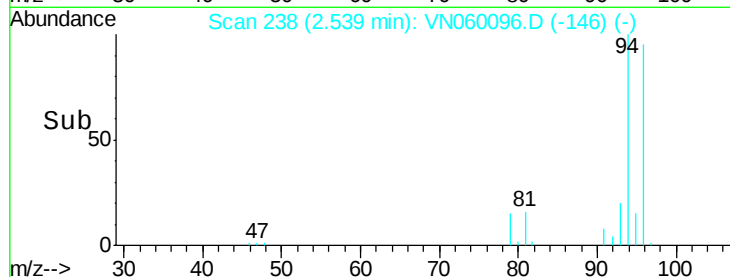
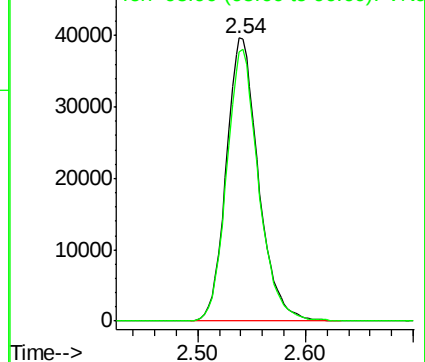
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 52.658 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060096.D

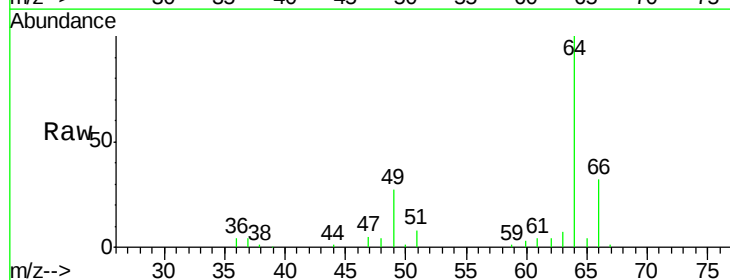
Acq: 13 Feb 2020 16:05

Tgt Ion: 64 Resp: 69835

Ion Ratio Lower Upper

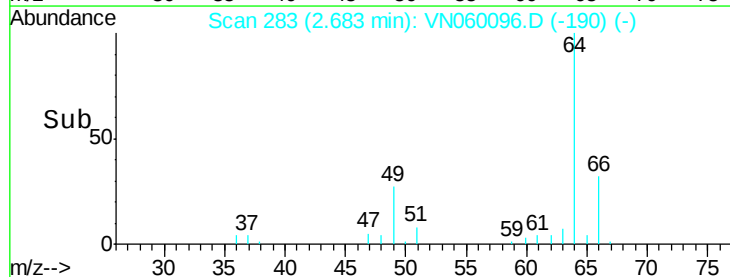
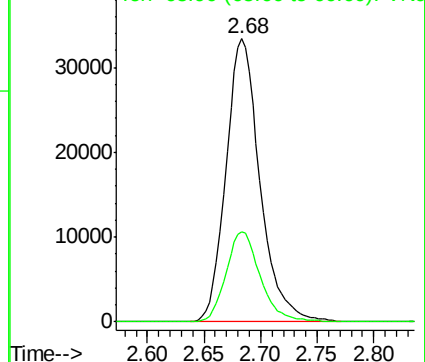
64 100

66 31.9 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

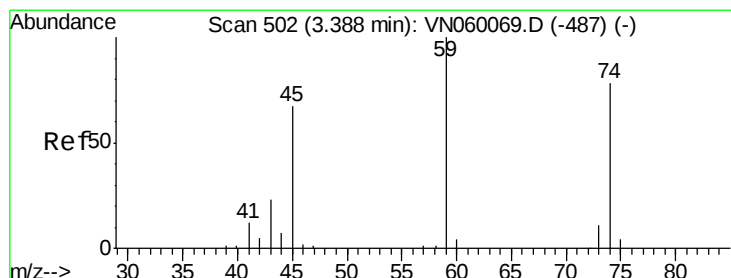
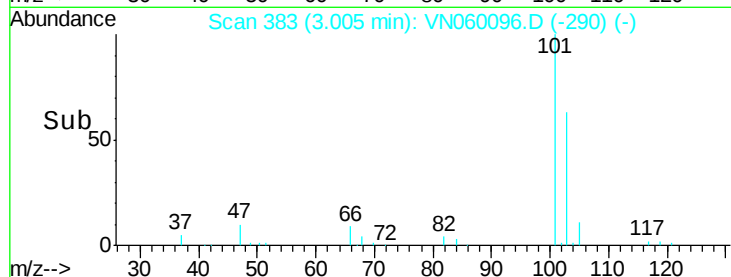
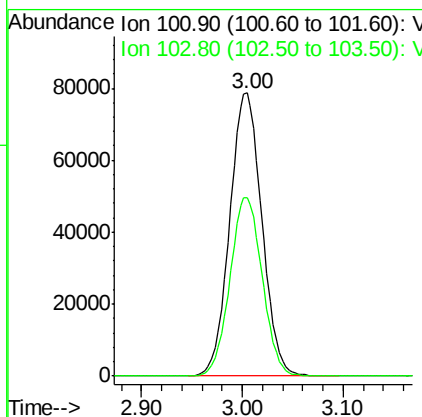
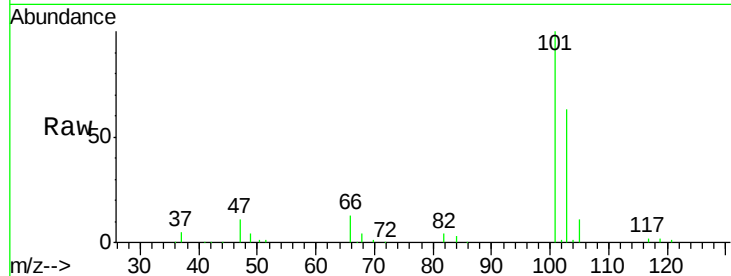
Trichlorofluoromethane
 Concen: 51.524 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN060096.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		174178		
103	63.0	51.0	76.6		

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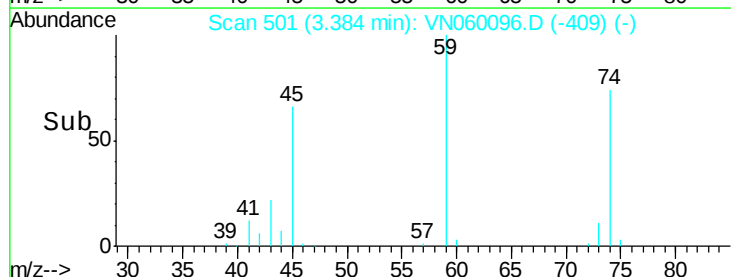
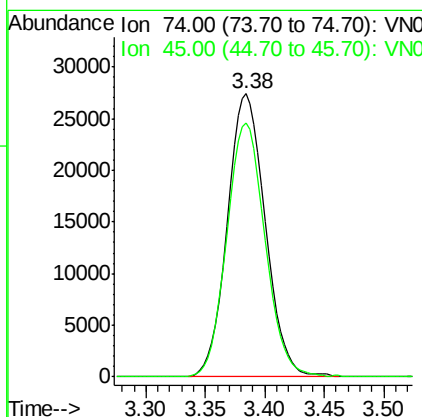
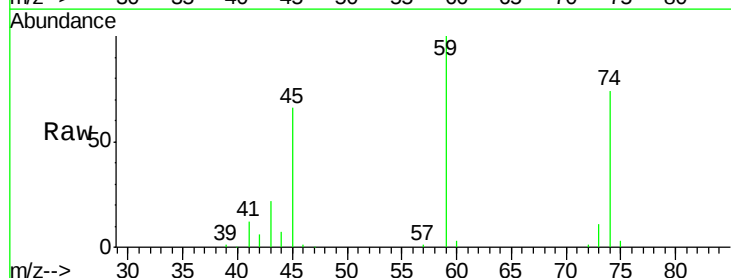
MMDadoda
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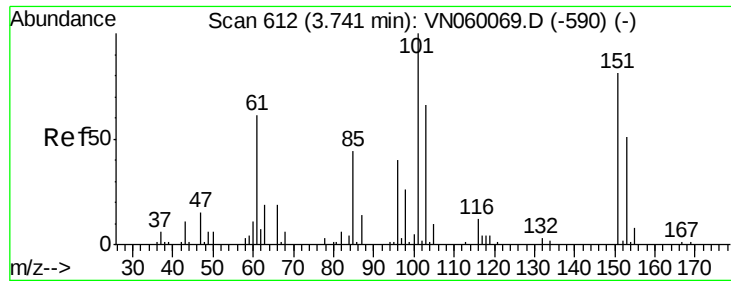


#8

Diethyl Ether
 Concen: 53.744 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060096.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		60478		
45	90.7	44.7	134.1		





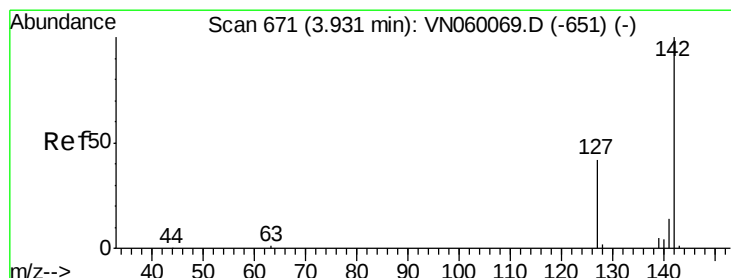
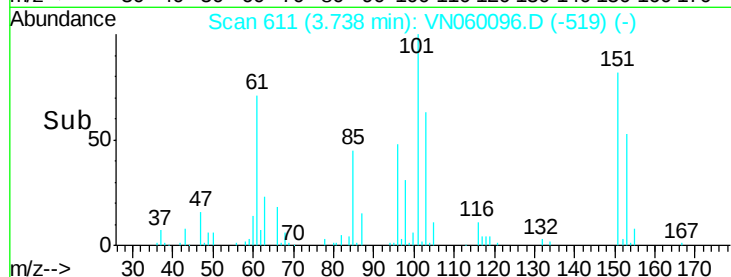
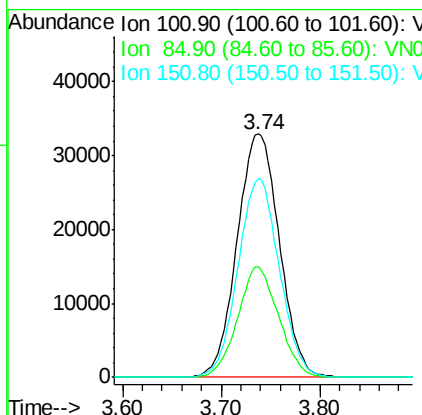
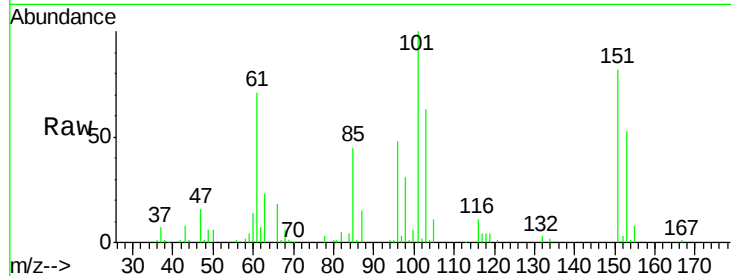
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.101 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 97787
Ion Ratio Lower Upper
101 100
85 43.9 35.1 52.7
151 79.9 65.8 98.6

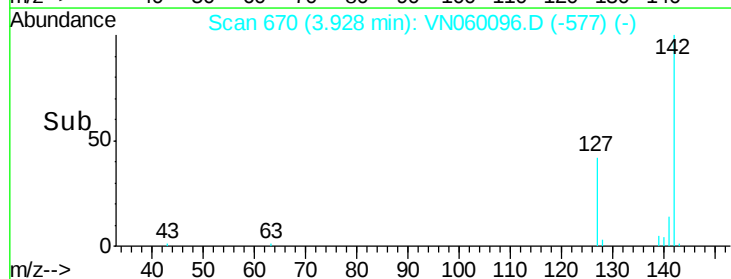
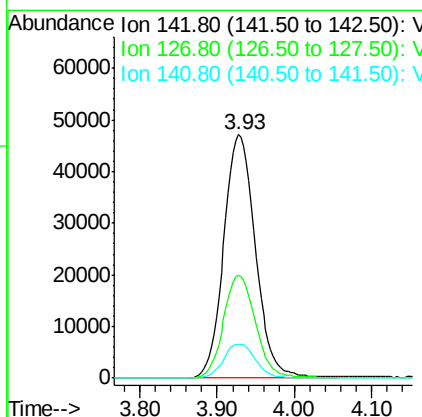
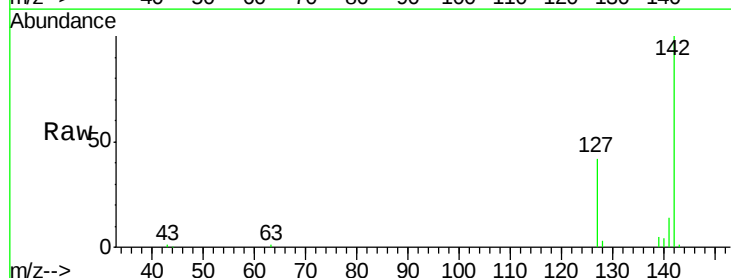
Manual Integrations
APPROVED

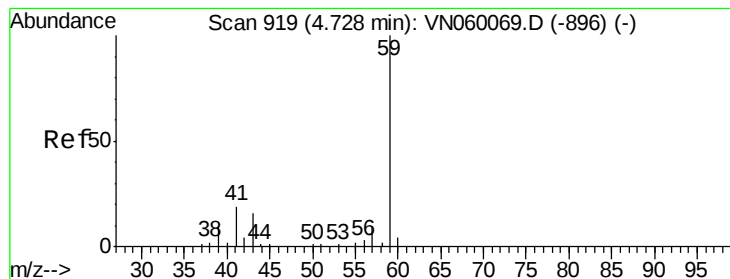
MMDadoda
2/14/2020 10:27:31 AM



#10
Methyl Iodide
Concen: 52.988 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion:142 Resp: 134049
Ion Ratio Lower Upper
142 100
127 42.8 33.6 50.4
141 14.0 11.4 17.2





#11

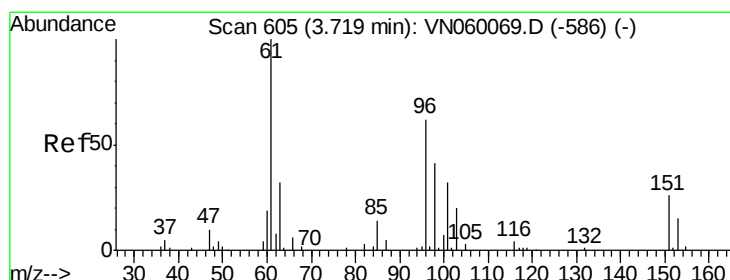
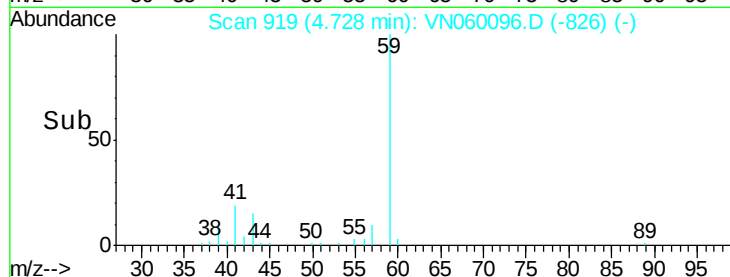
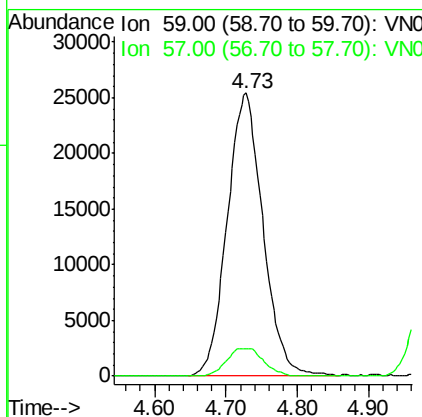
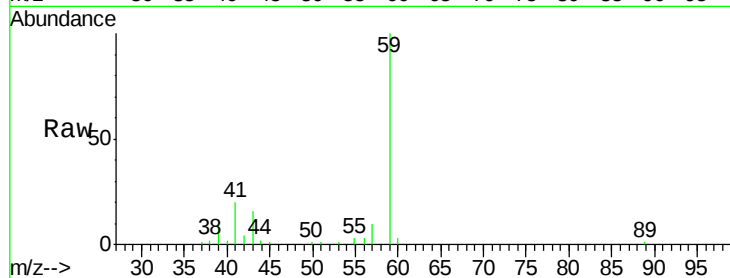
Tert butyl alcohol
Concen: 252.170 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

Manual Integrations
APPROVED

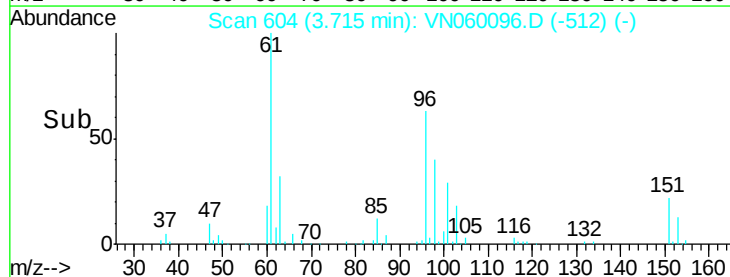
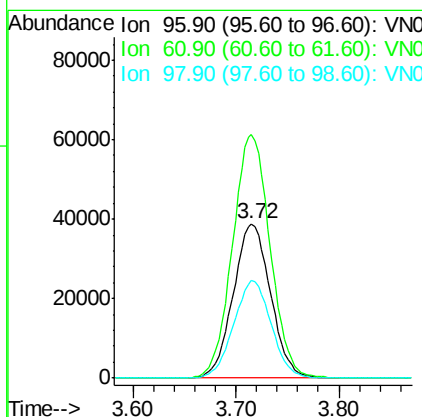
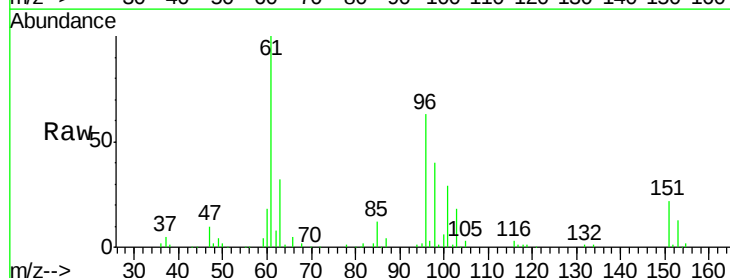
MMDadoda
2/14/2020 10:27:31 AM

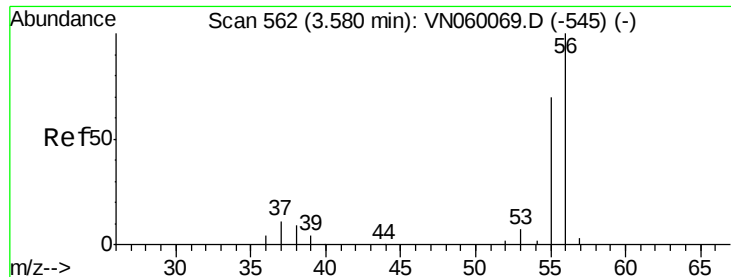


#12

1,1-Dichloroethene
Concen: 53.444 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.7	128.3	192.5
98	63.4	52.2	78.4





#13

Acrolein

Concen: 250.258 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 87107

Ion Ratio Lower Upper

56 100

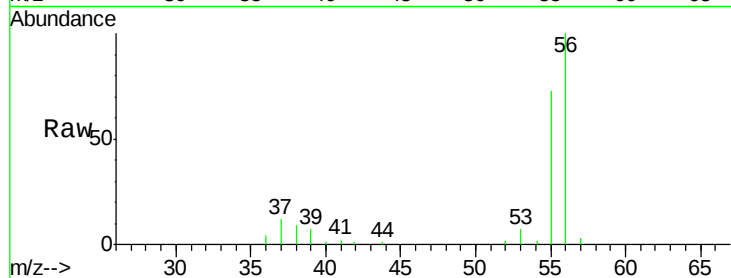
55 72.1 54.8 82.2

Manual Integrations

APPROVED

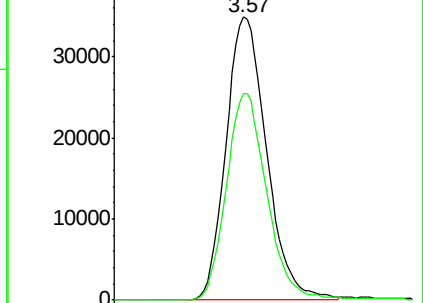
MMDadoda

2/14/2020 10:27:31 AM

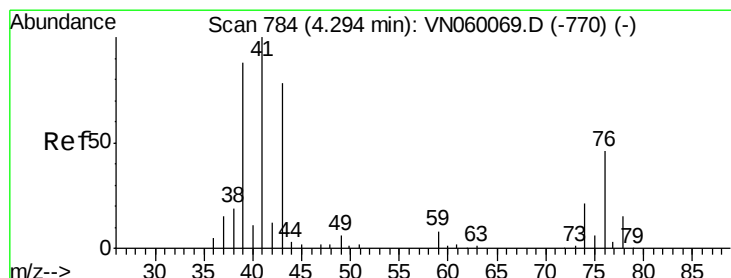
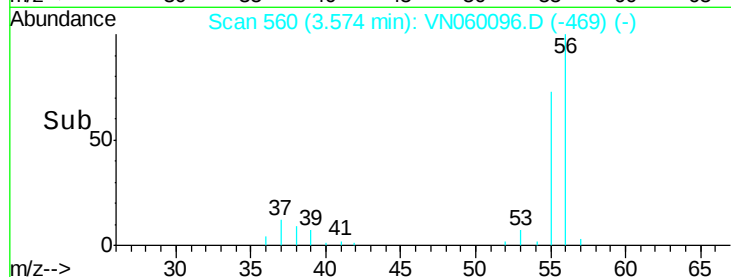


Abundance Ion 56.00 (55.70 to 56.70): VN060096.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060096.D (-545) (-)



Time-->



#14

Allyl chloride

Concen: 51.491 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

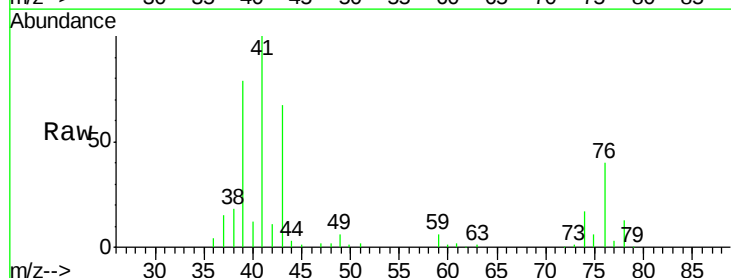
Tgt Ion: 41 Resp: 138566

Ion Ratio Lower Upper

41 100

39 81.7 67.8 101.8

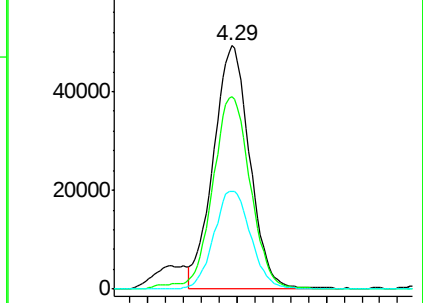
76 41.0 33.9 50.9



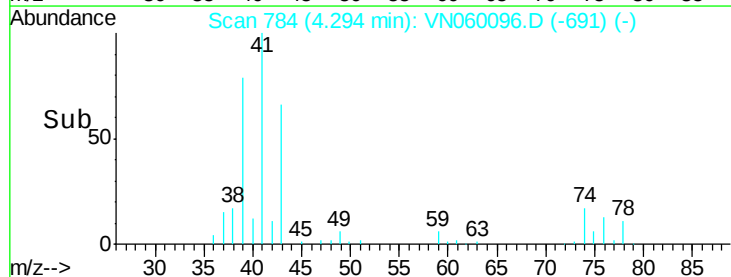
Abundance Ion 41.00 (40.70 to 41.70): VN060096.D (-770) (-)

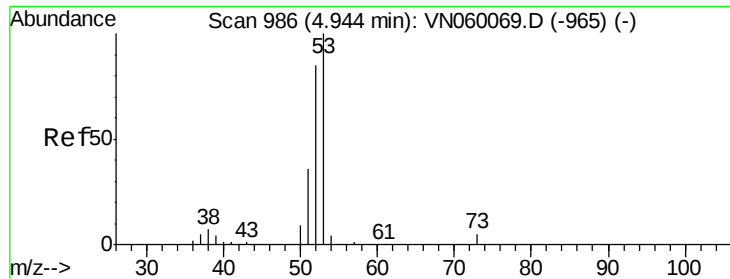
Ion 39.00 (38.70 to 39.70): VN060096.D (-770) (-)

Ion 75.90 (75.60 to 76.60): VN060096.D (-770) (-)



Time-->





#15

Acrylonitrile

Concen: 272.974 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Instrument :

MSVOA_N

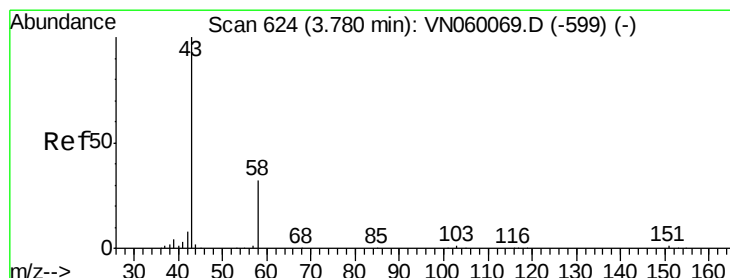
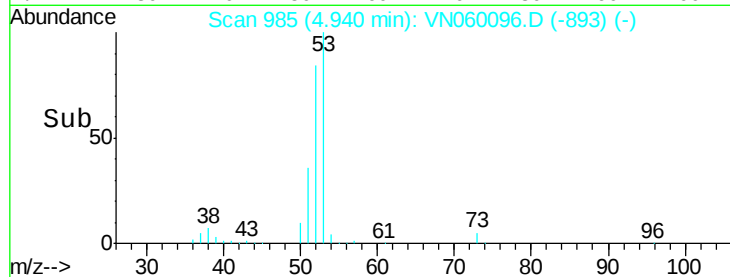
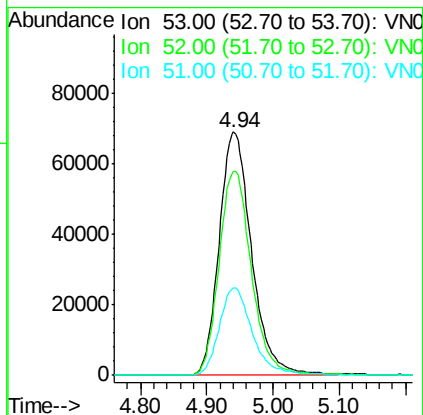
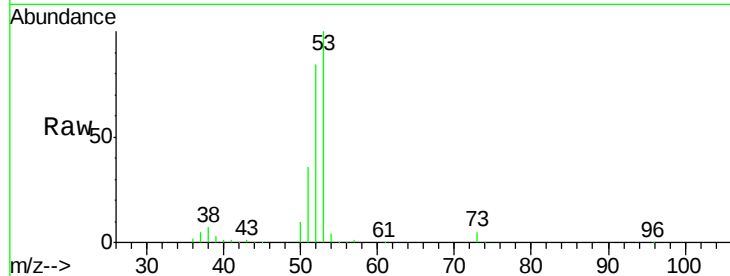
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	234750
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.8	100.2
51	36.4	29.4	44.0

Manual Integrations
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2/14/2020 10:27:31 AM



#16

Acetone

Concen: 224.894 ug/l

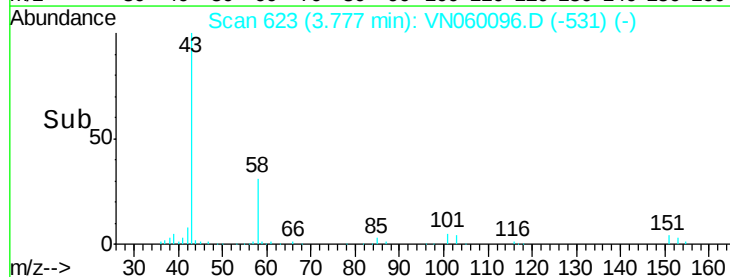
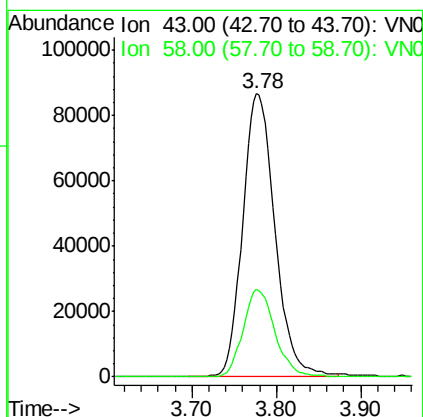
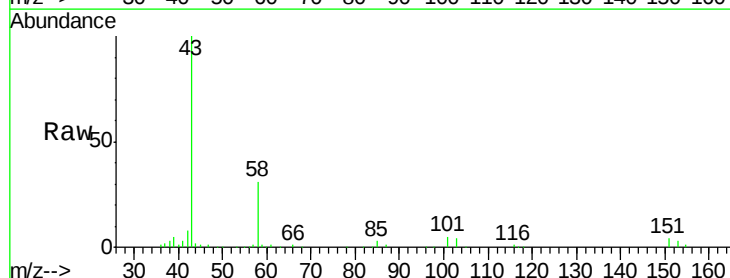
RT: 3.78 min Scan# 623

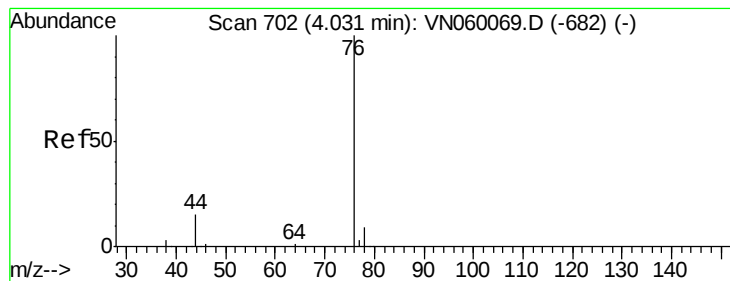
Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Tgt Ion:	43	Resp:	230840
Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.2	37.8





#17

Carbon Disulfide

Concen: 51.566 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 284182

Ion Ratio Lower Upper

76 100

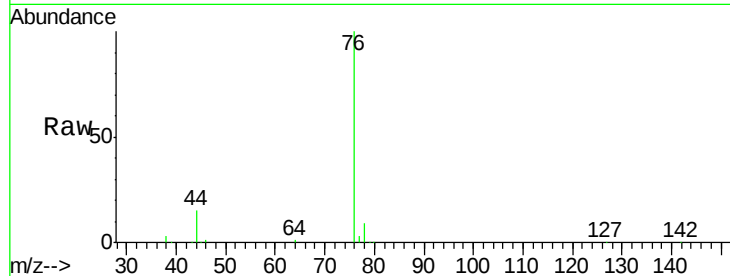
78 9.0 7.0 10.6

Manual Integrations

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MMDadoda

2/14/2020 10:27:31 AM



Abundance Ion 75.90 (75.60 to 76.60): VN060096.D (-682) (-)

Ion 77.90 (77.60 to 78.60): VN060096.D (-682) (-)

4.03

120000

100000

80000

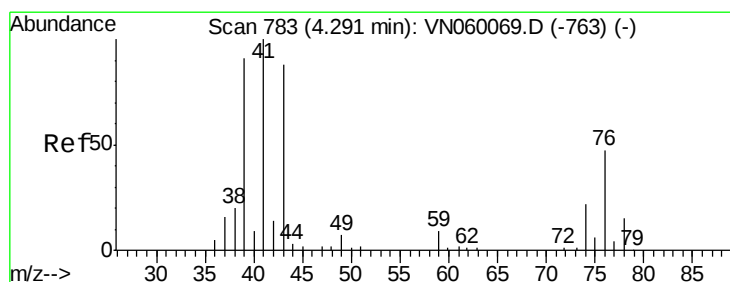
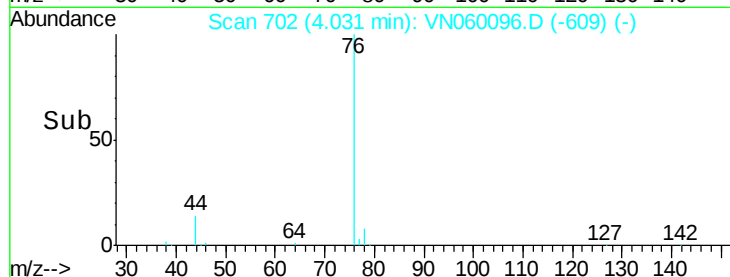
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 54.603 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.01 min

Lab File: VN060096.D

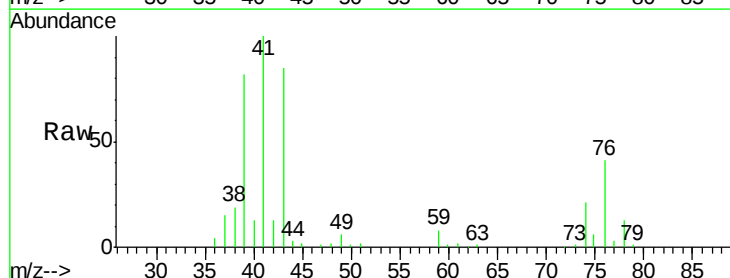
Acq: 13 Feb 2020 16:05

Tgt Ion: 43 Resp: 105284

Ion Ratio Lower Upper

43 100

74 24.6 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN060096.D (-690) (-)

Ion 74.00 (73.70 to 74.70): VN060096.D (-690) (-)

4.28

40000

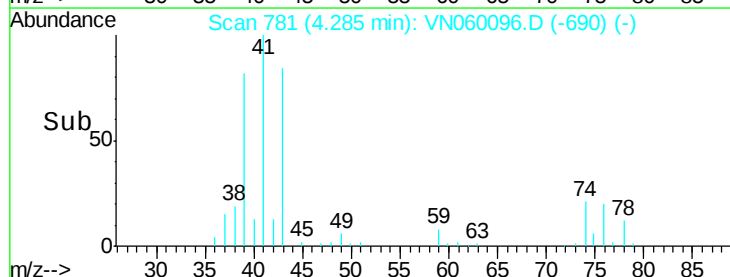
30000

20000

10000

0

Time-->





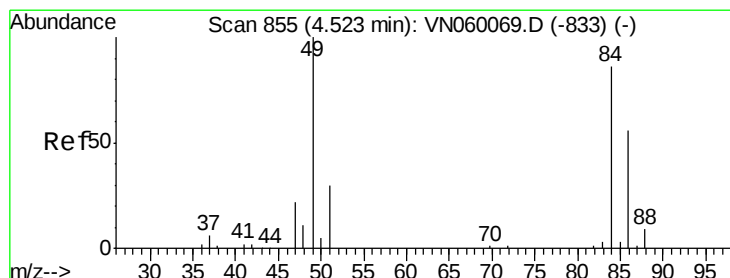
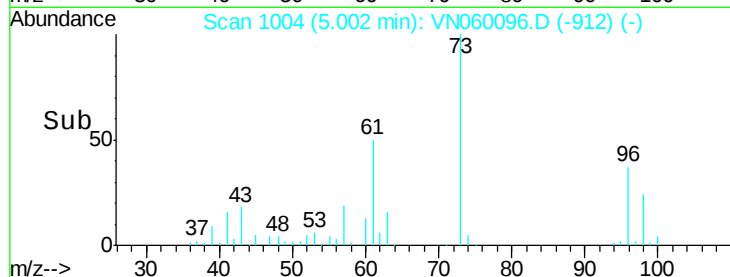
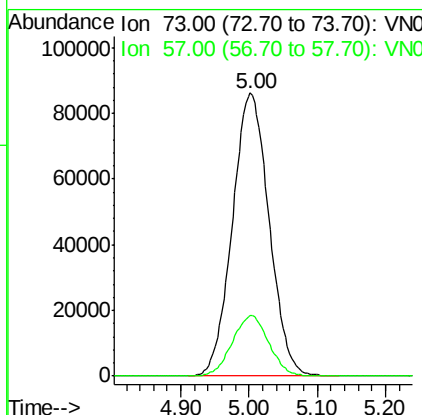
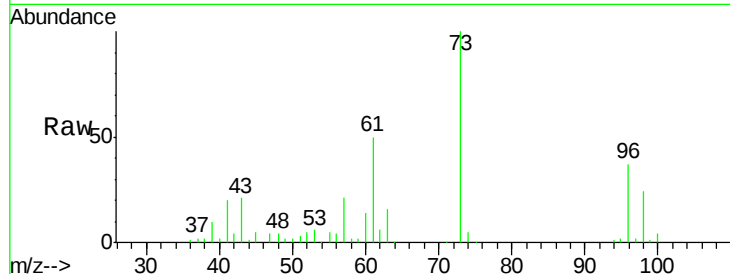
#19
Methvl tert-butvl Ether
Concen: 52.328 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 321750
Ion Ratio Lower Upper
73 100
57 21.3 17.2 25.8

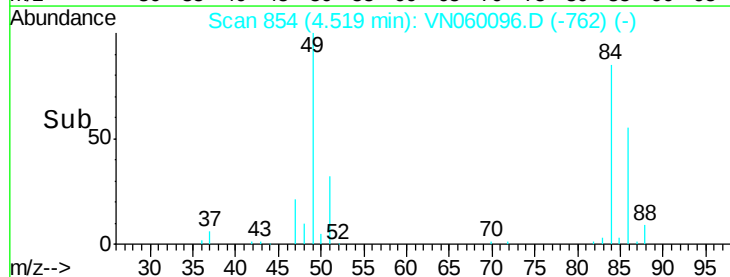
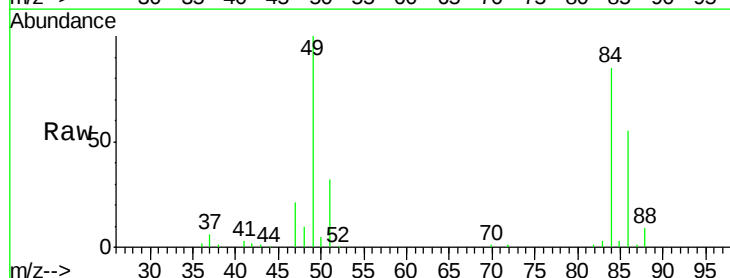
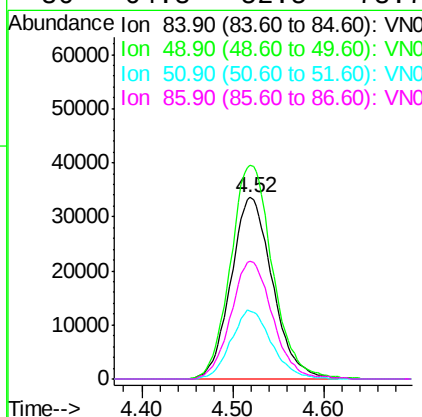
Manual Integrations
APPROVED

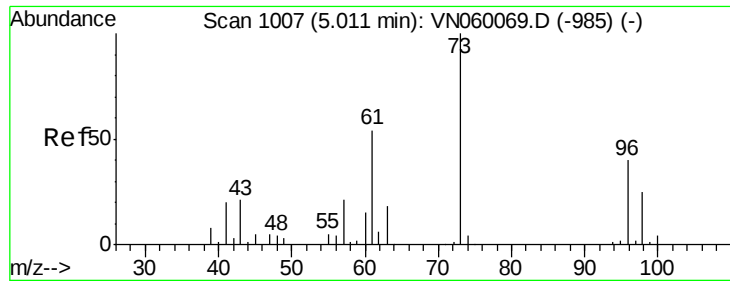
MMDadoda
2/14/2020 10:27:31 AM



#20
Methylene Chloride
Concen: 52.125 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion: 84 Resp: 106743
Ion Ratio Lower Upper
84 100
49 117.5 93.4 140.0
51 37.6 28.4 42.6
86 64.8 52.5 78.7





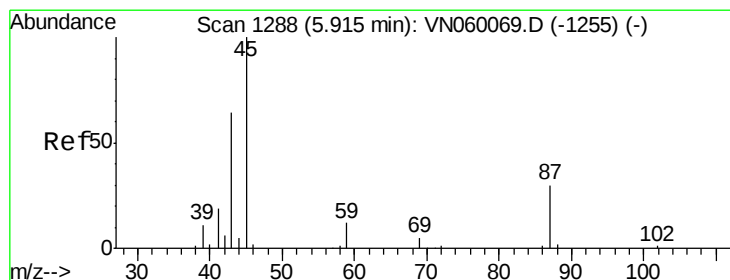
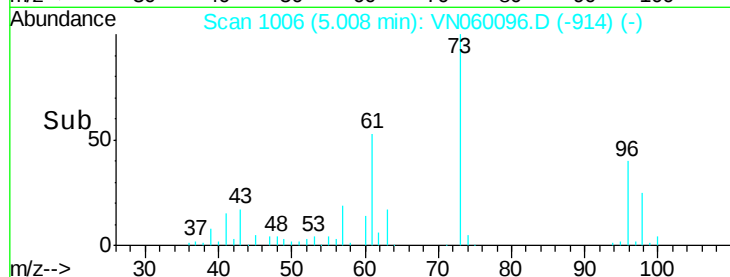
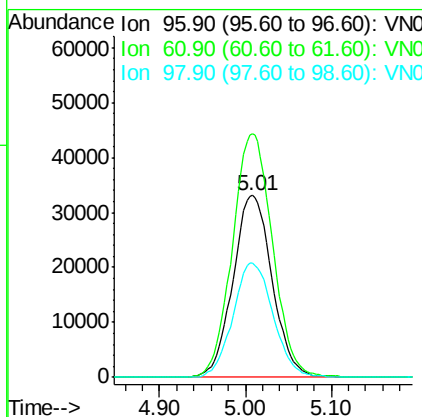
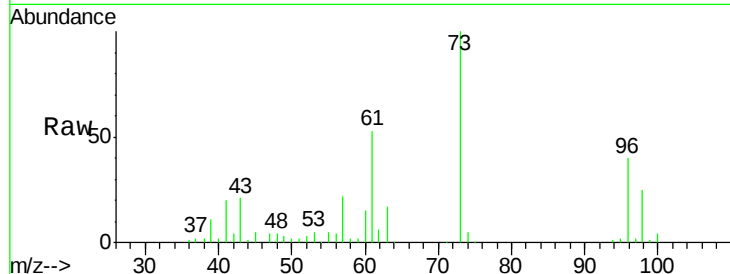
#21
trans-1,2-Dichloroethene
Concen: 52.626 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.0	109.3	163.9
98	62.8	51.0	76.6

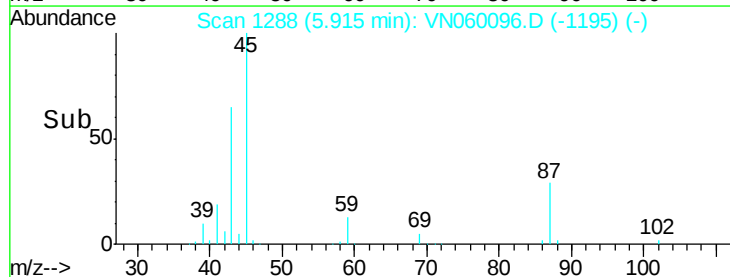
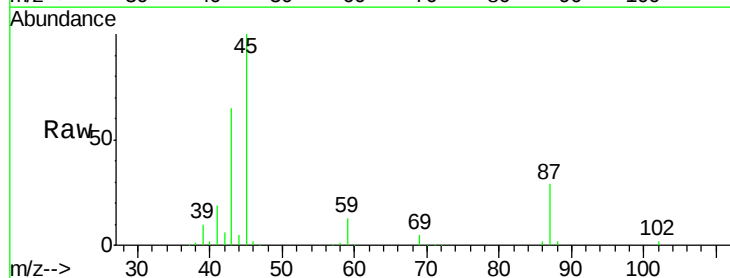
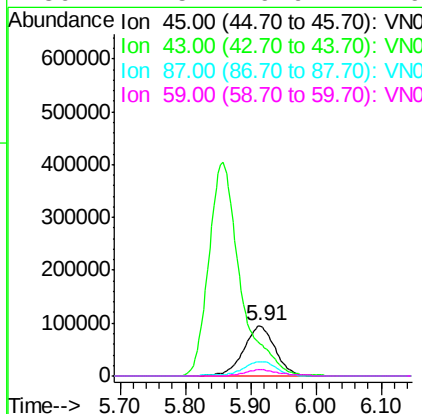
Manual Integrations
APPROVED

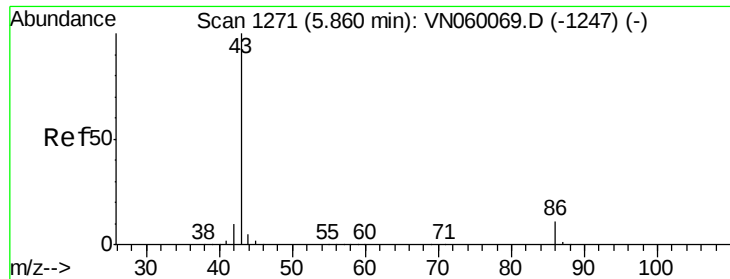
MMDadoda
2/14/2020 10:27:31 AM



#22
Diisopropyl ether
Concen: 53.827 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.8	55.9	83.9
87	29.4	24.5	36.7
59	12.5	9.9	14.9





#23

Vinyl Acetate

Concen: 273.986 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1356992

Ion Ratio Lower Upper

43 100

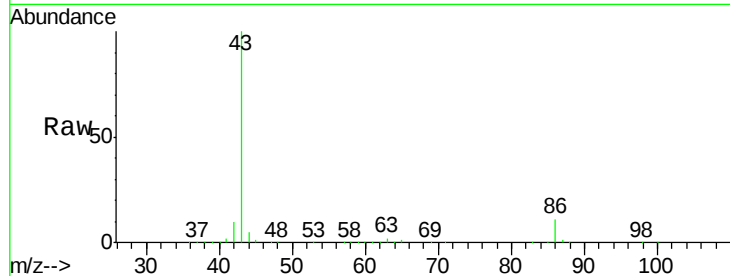
86 11.0 8.9 13.3

Manual Integrations

APPROVED

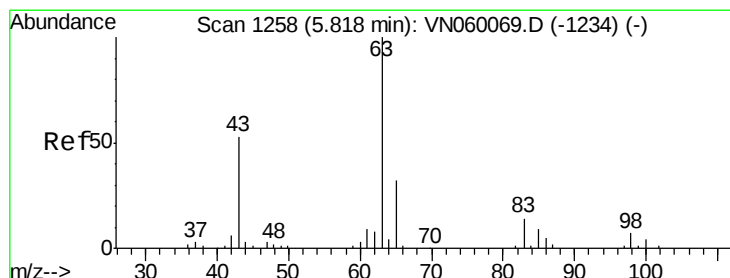
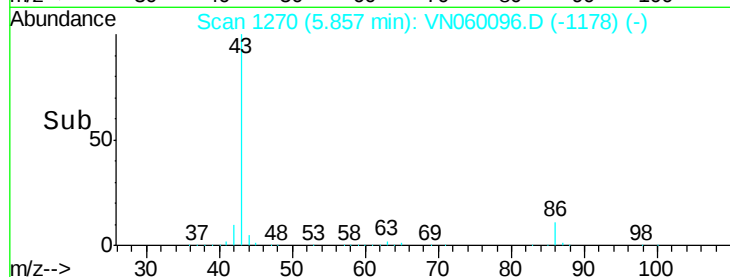
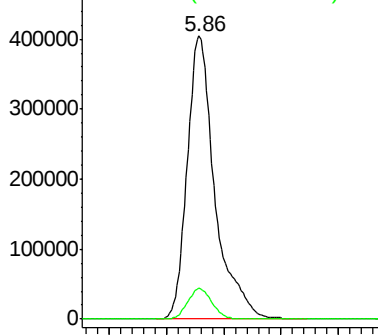
MMDadoda

2/14/2020 10:27:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 53.012 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

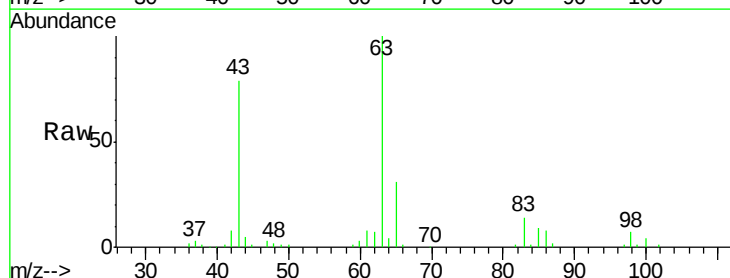
Tgt Ion: 63 Resp: 189401

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

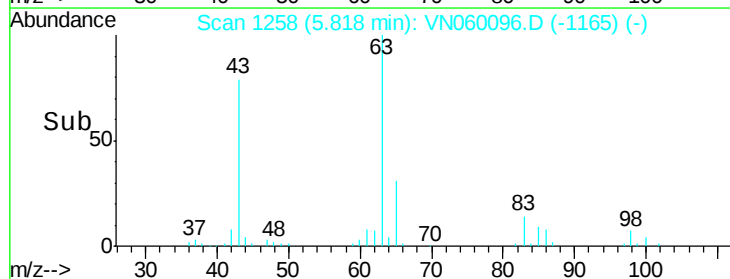
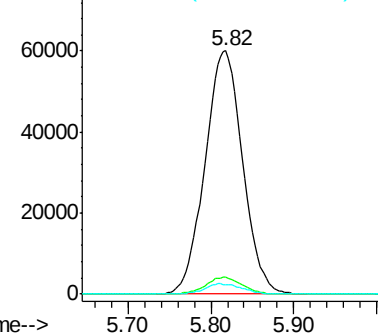
100 4.0 2.2 6.6

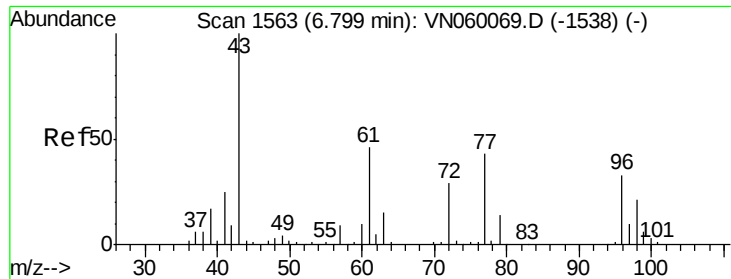


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





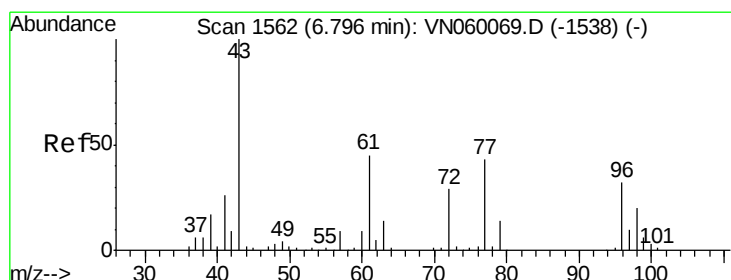
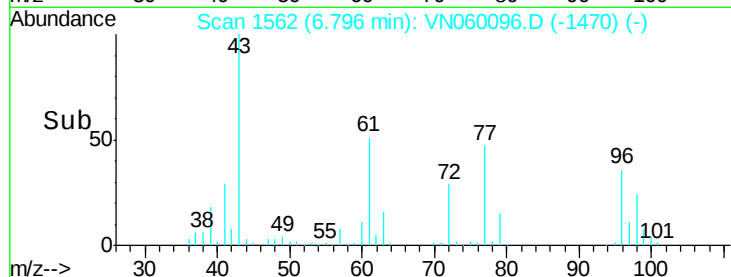
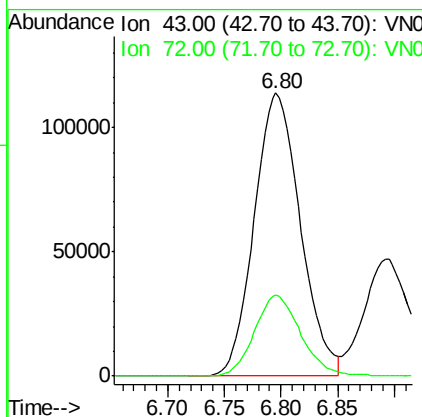
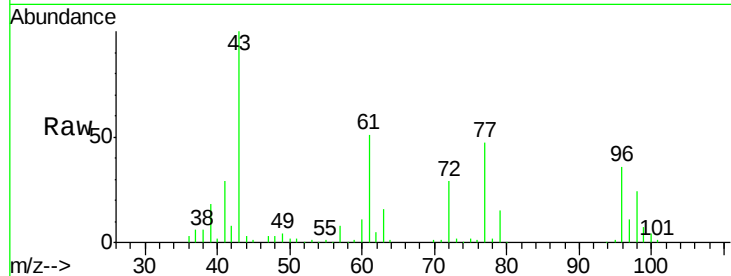
#25
2-Butanone
Concen: 249.608 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 322226
Ion Ratio Lower Upper
43 100
72 28.6 23.3 34.9

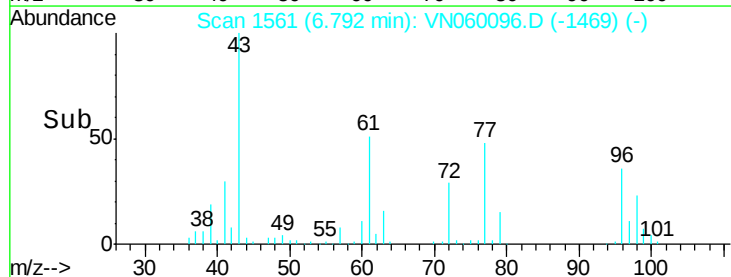
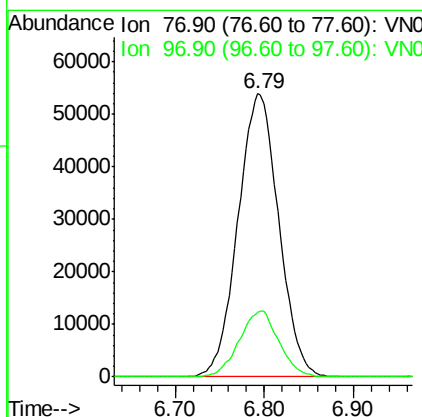
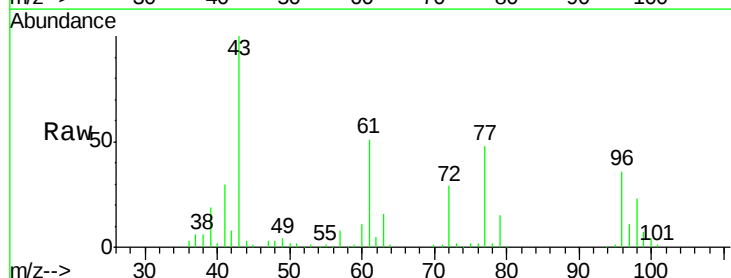
Manual Integrations
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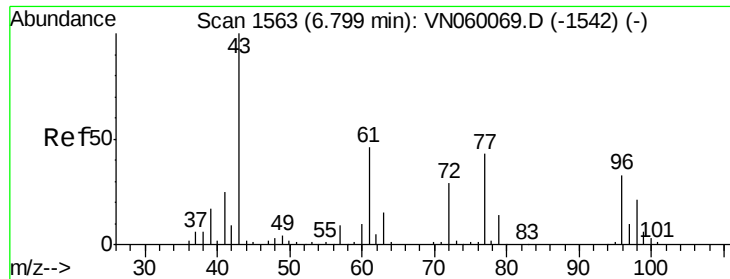
MMDadoda
2/14/2020 10:27:31 AM



#26
2,2-Dichloropropane
Concen: 50.399 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion: 77 Resp: 171031
Ion Ratio Lower Upper
77 100
97 22.6 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 51.796 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Instrument :

MSVOA_N

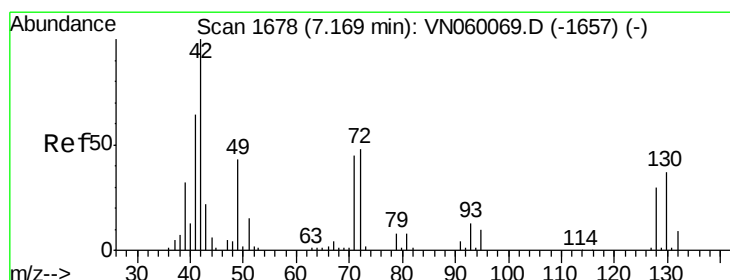
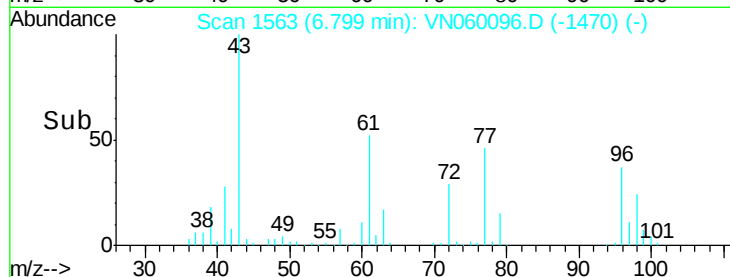
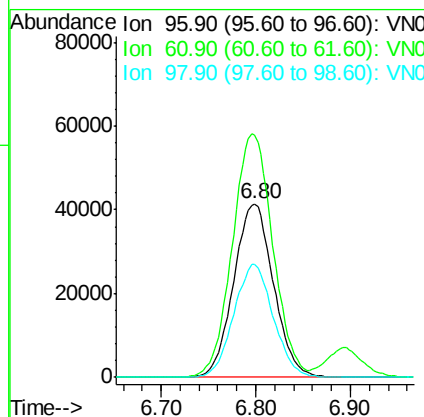
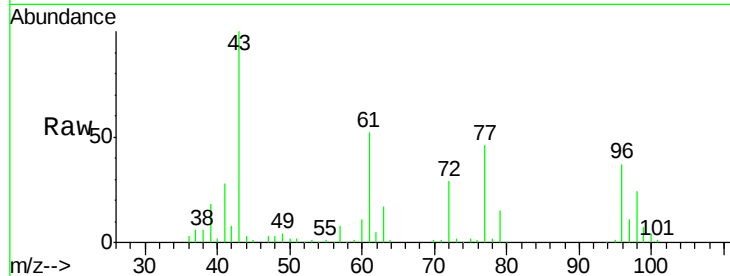
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	120814
Ion Ratio	Lower	Upper	
96	100		
61	142.8	0.0	285.8
98	64.8	0.0	129.6

Manual Integrations
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#28

Bromochloromethane

Concen: 48.518 ug/l

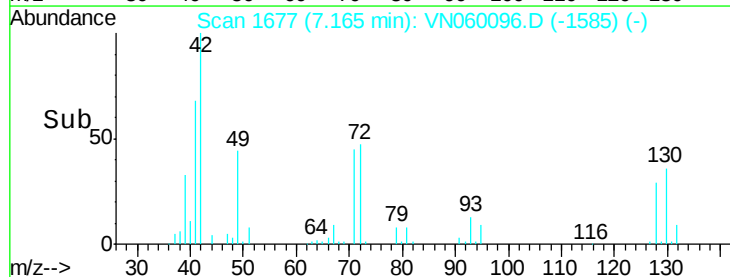
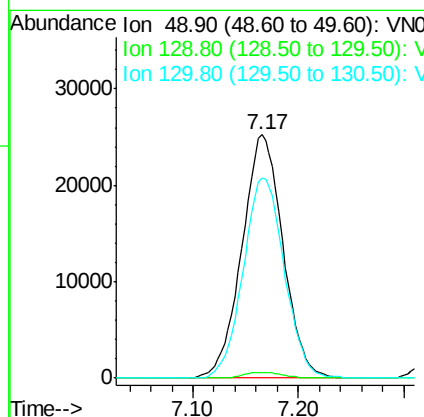
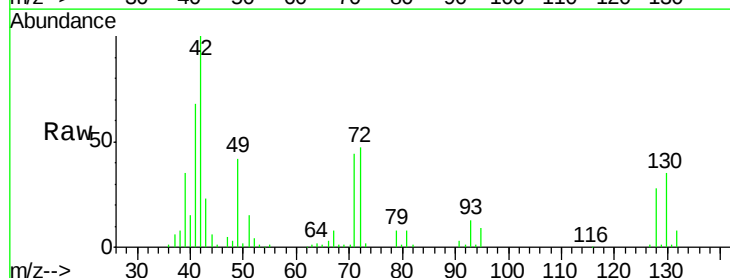
RT: 7.17 min Scan# 1677

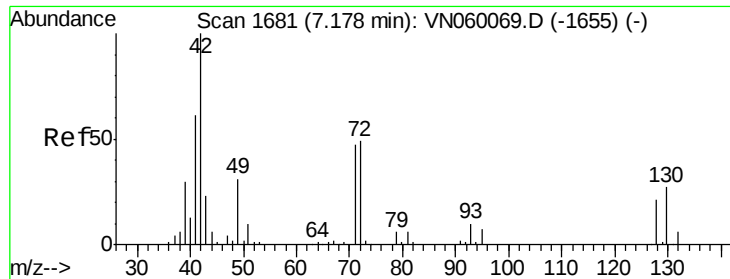
Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Tgt Ion:	49	Resp:	68148
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	2.2
130	82.7	66.8	100.2





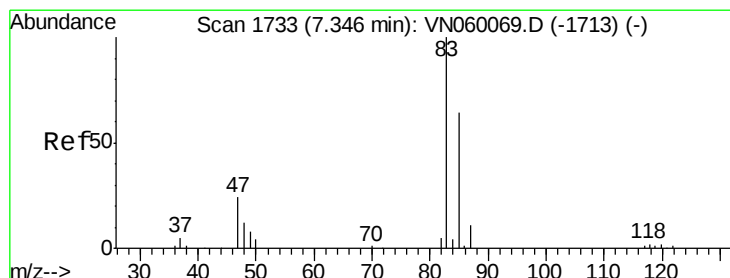
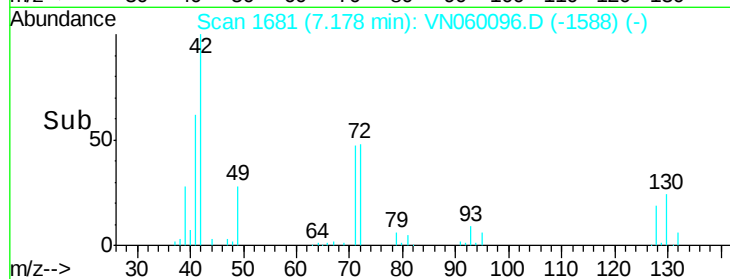
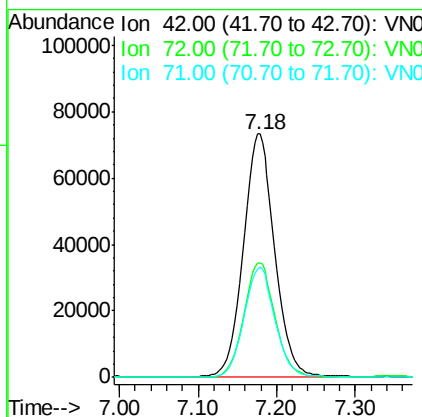
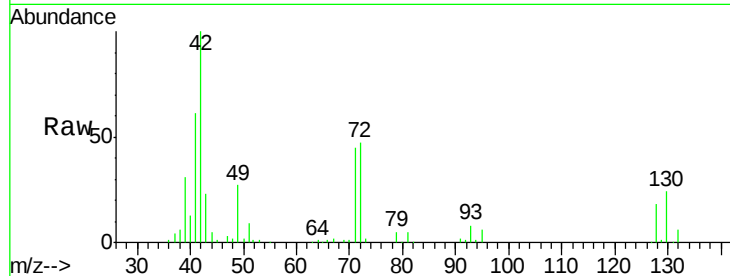
#29
Tetrahydrofuran
Concen: 260.914 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	38.2	57.4
71	44.7	36.6	54.8

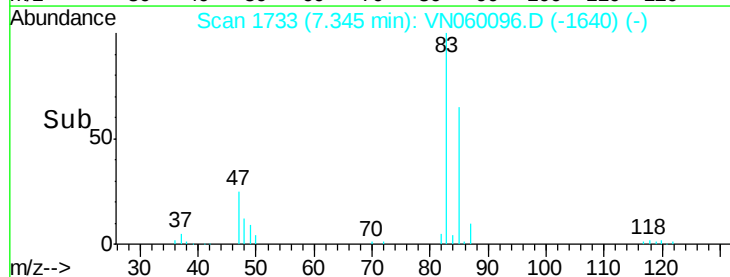
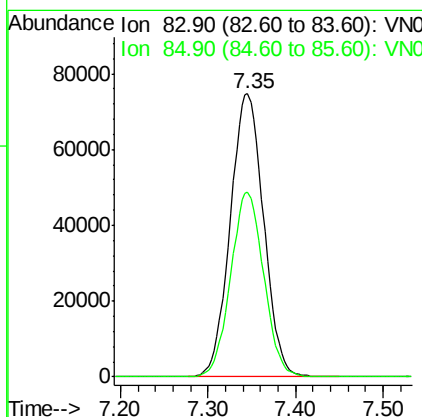
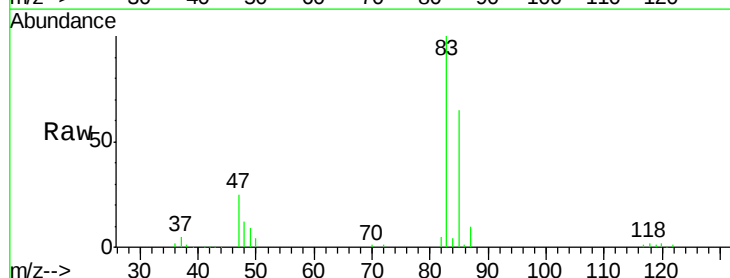
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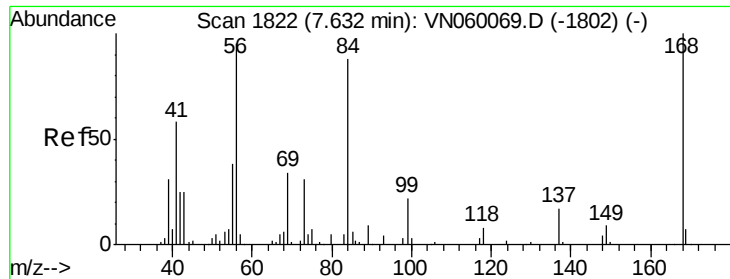
MMDadoda
2/14/2020 10:27:31 AM



#30
Chloroform
Concen: 52.849 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.0





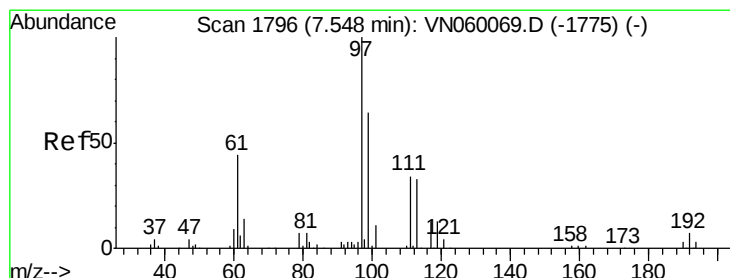
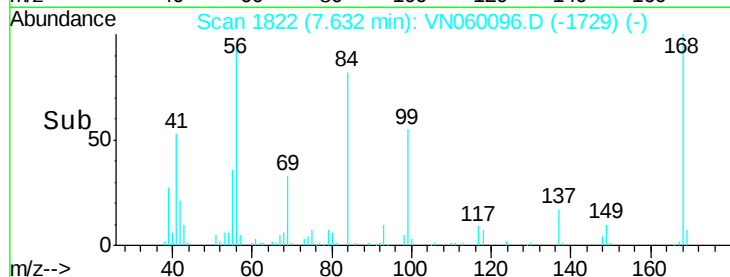
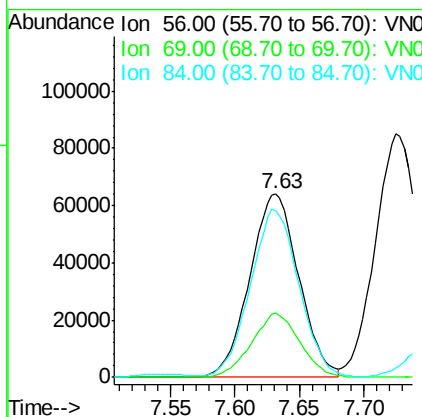
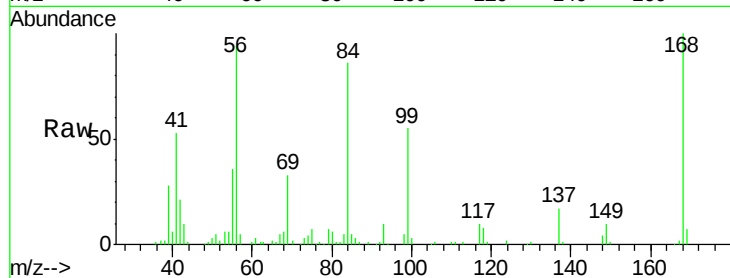
#31
Cyclohexane
Concen: 50.935 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.9	28.3	42.5
84	89.9	72.6	108.8

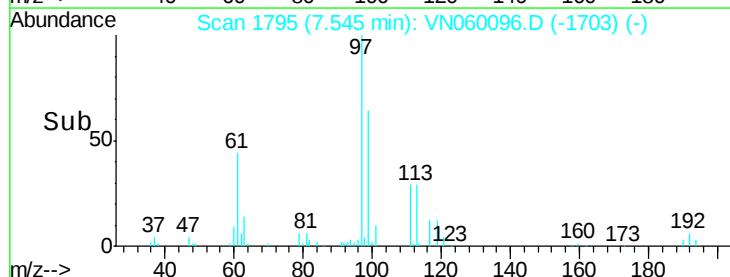
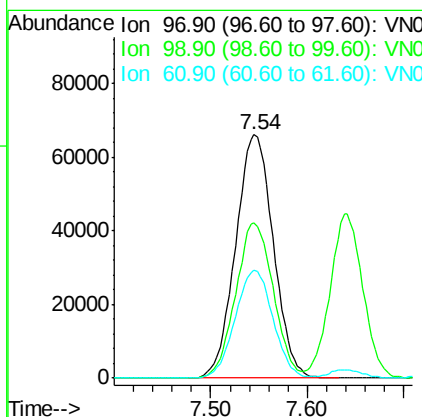
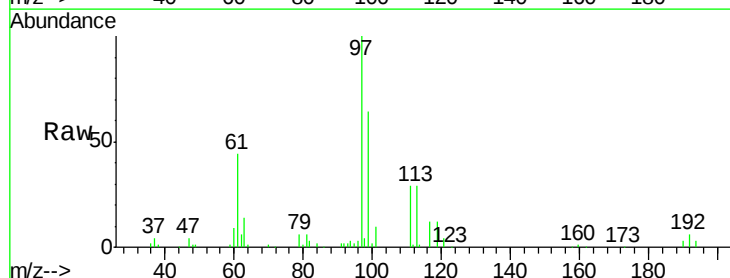
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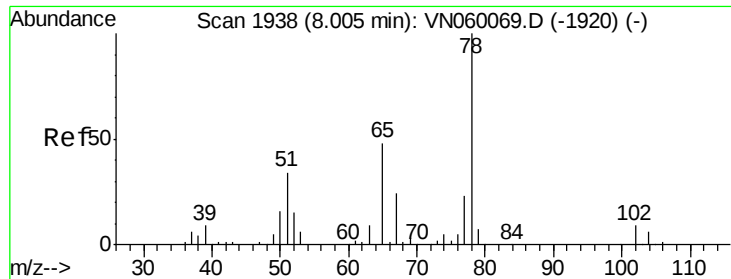
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 52.366 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	44.3	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 50.064 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 117810

Ion Ratio Lower Upper

65 100

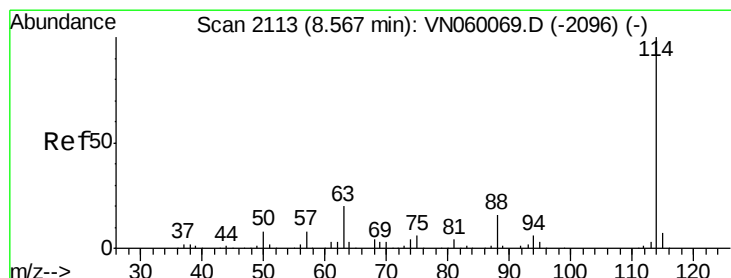
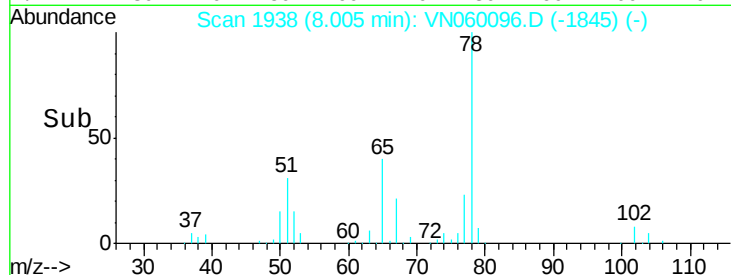
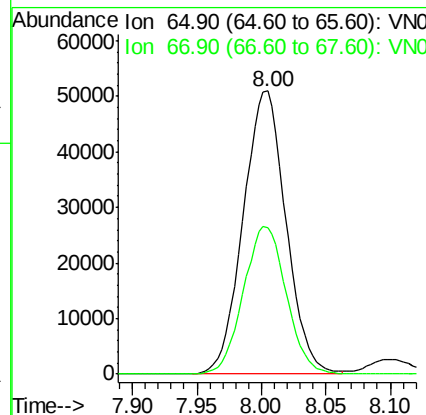
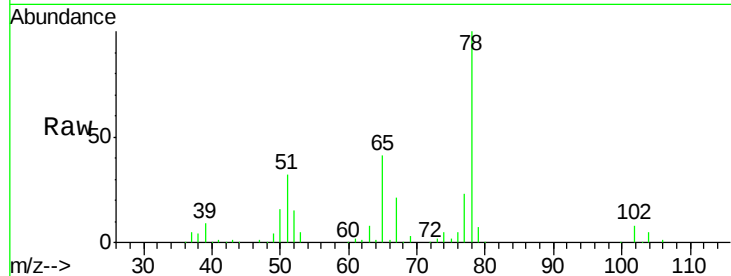
67 52.2 0.0 104.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

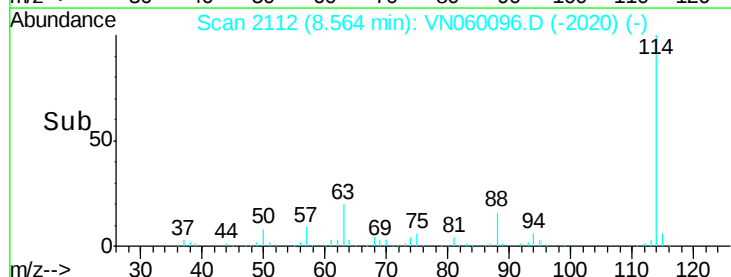
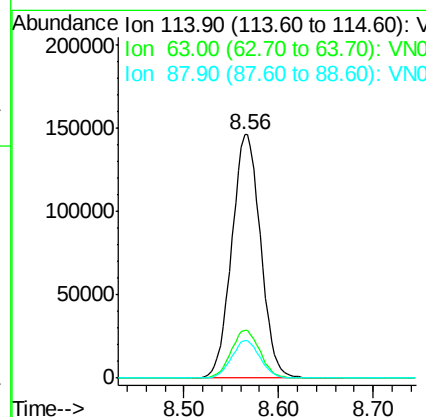
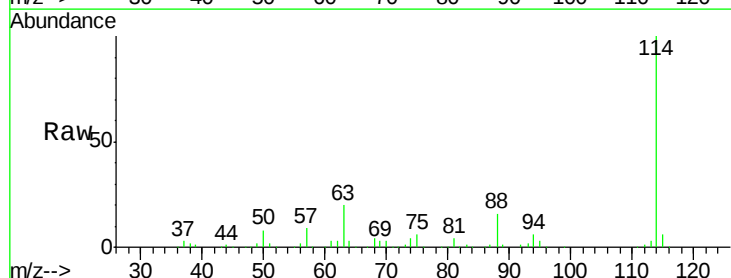
Tgt Ion: 114 Resp: 308976

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 15.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.716 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 94425

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.2

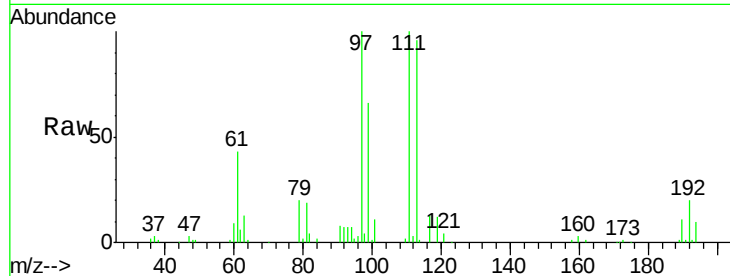
192 21.0 16.2 24.2

Manual Integrations

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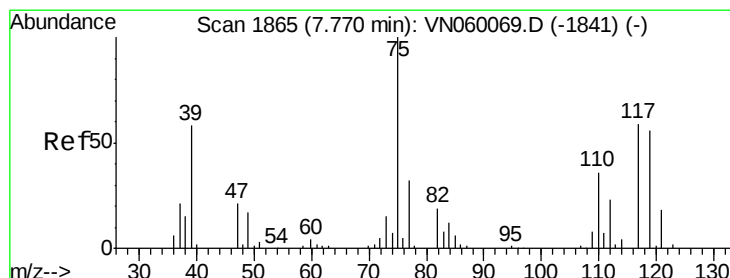
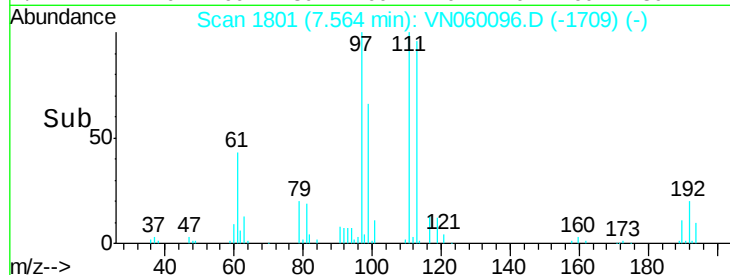
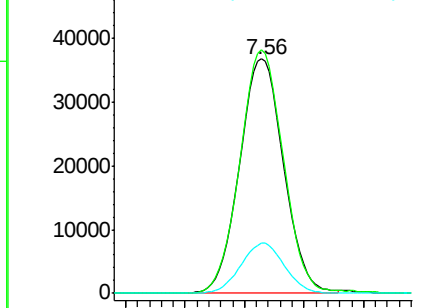
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.317 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

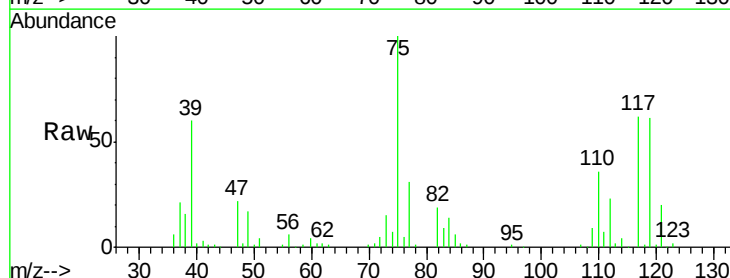
Tgt Ion: 75 Resp: 149725

Ion Ratio Lower Upper

75 100

110 36.0 18.1 54.3

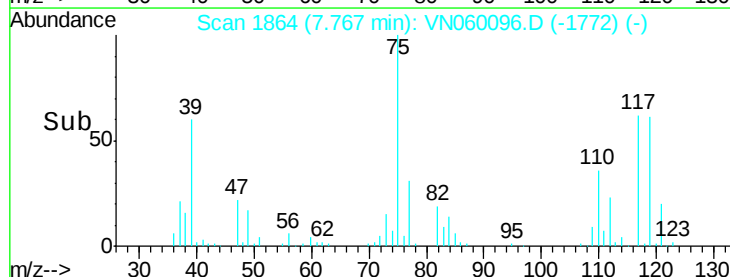
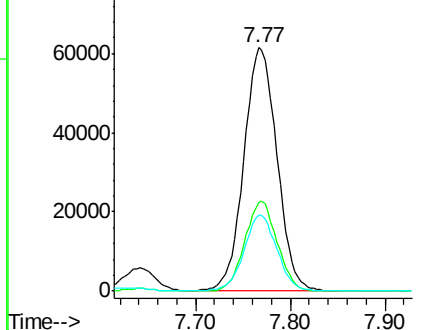
77 31.0 25.1 37.7

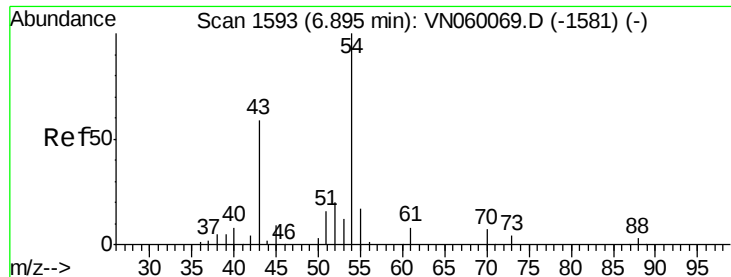


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





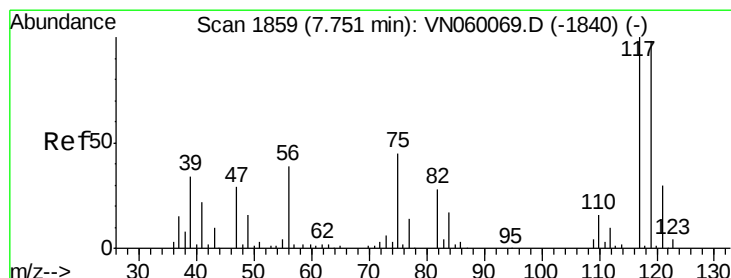
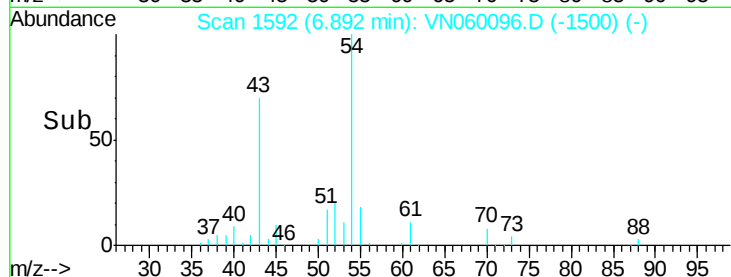
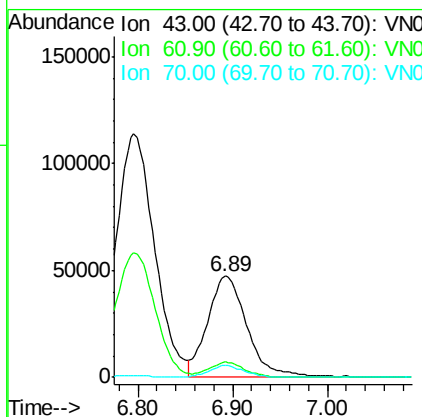
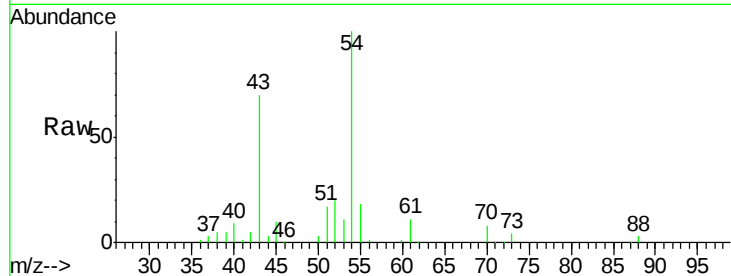
#37
Ethyl Acetate
Concen: 52.097 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.4	17.2
70	10.5	8.7	13.1

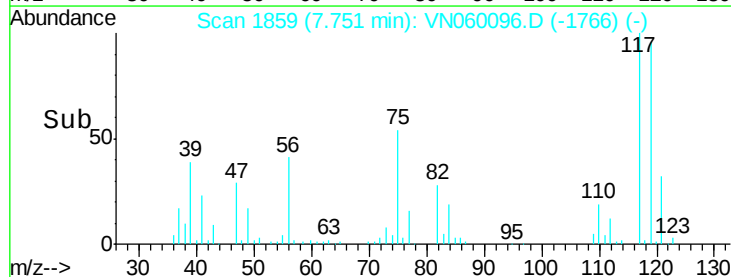
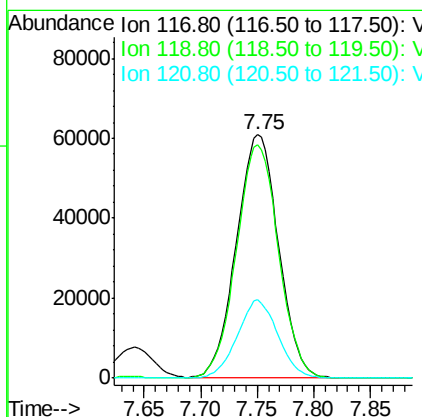
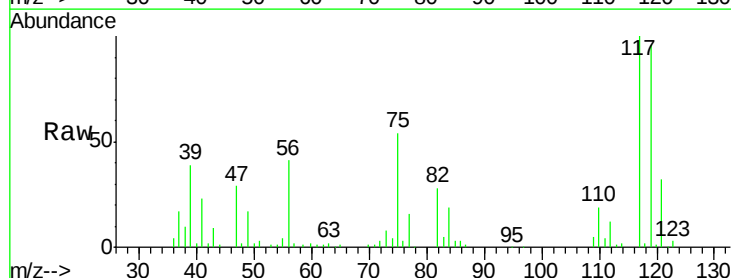
Manual Integrations
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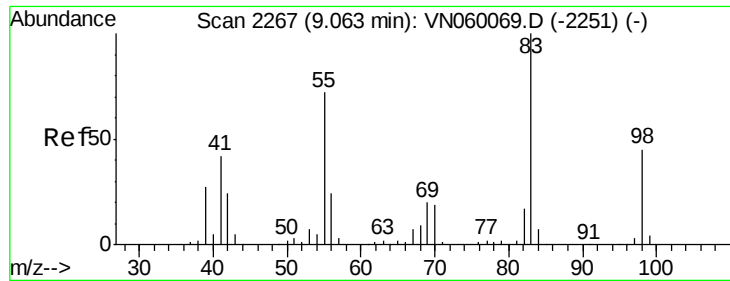
MMDadoda
2/14/2020 10:27:31 AM



#38
Carbon Tetrachloride
Concen: 50.799 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.2	117.4
121	32.0	24.2	36.2





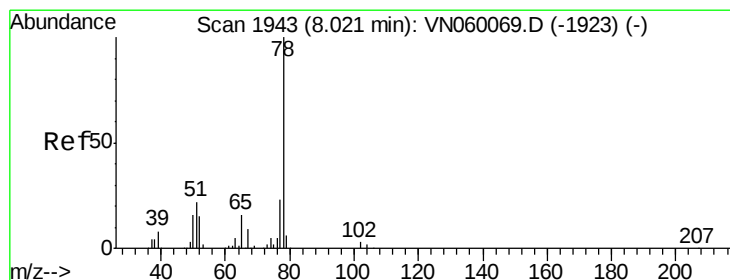
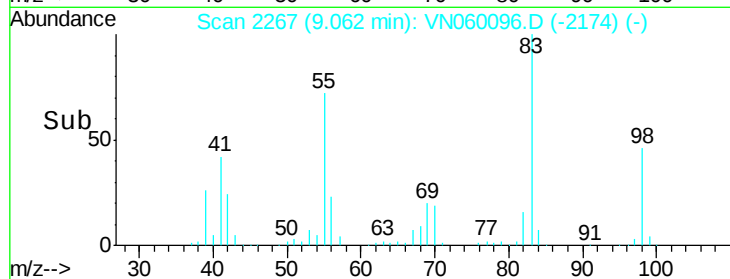
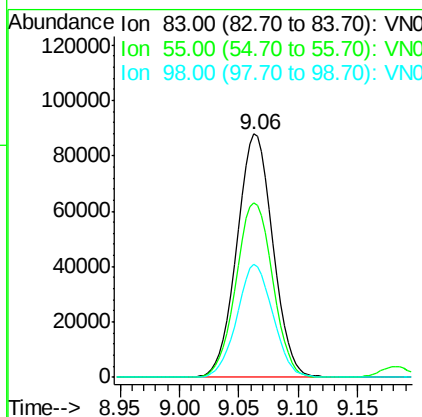
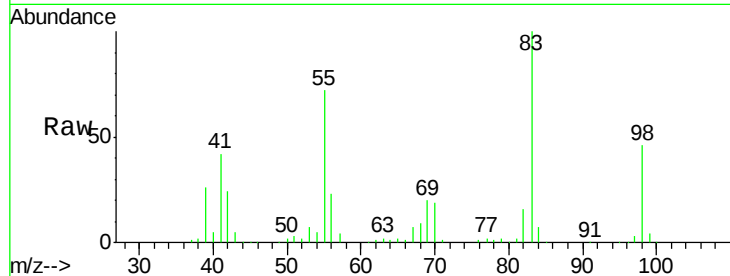
#39
Methvlcvclohexane
Concen: 51.886 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.7	57.8	86.8
98	46.5	36.4	54.6

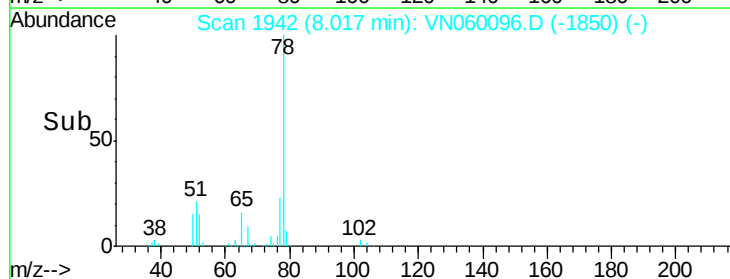
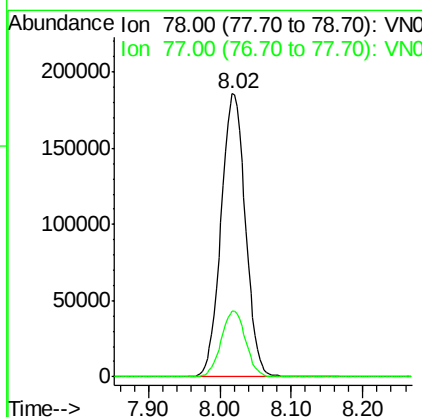
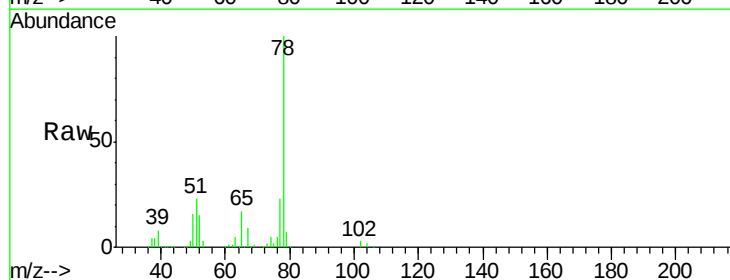
Manual Integrations
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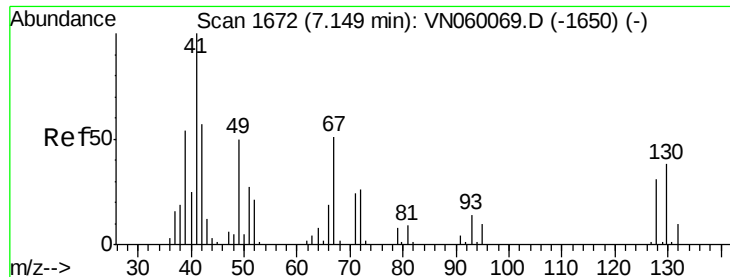
MMDadoda
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#40
Benzene
Concen: 52.037 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





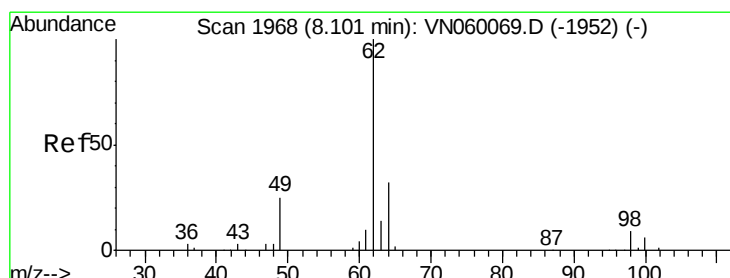
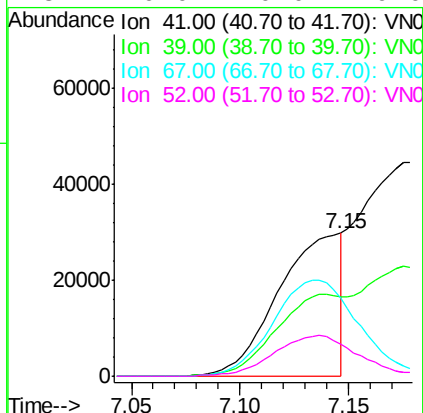
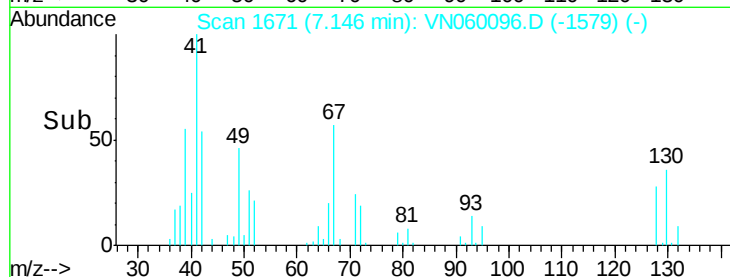
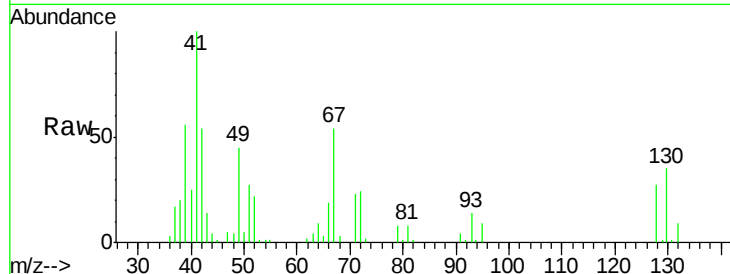
#41
Methacrylonitrile
Concen: 54.677 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	59308
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

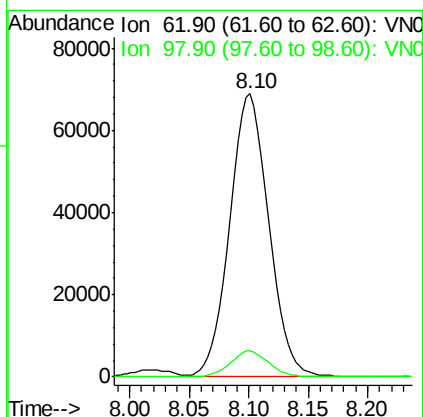
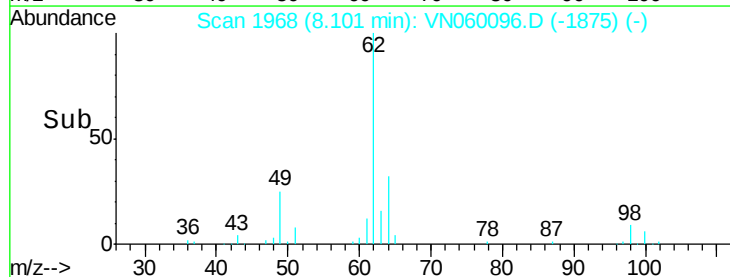
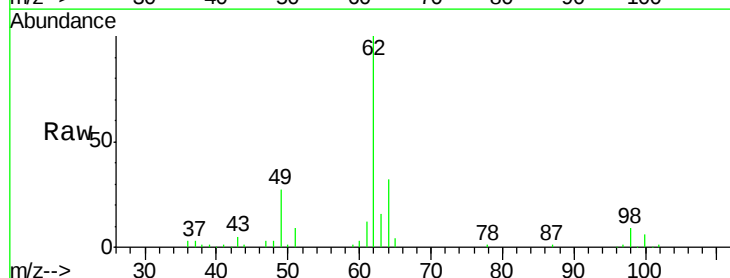
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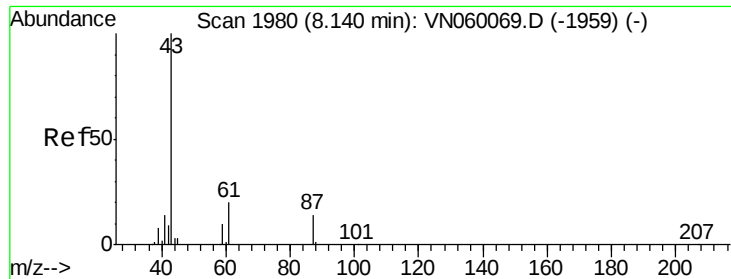
MMDadoda
2/14/2020 10:27:31 AM



#42
1,2-Dichloroethane
Concen: 52.404 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion	62	Resp	155923
Ion Ratio	Lower	Upper	
62	100		
98	9.0	0.0	18.2





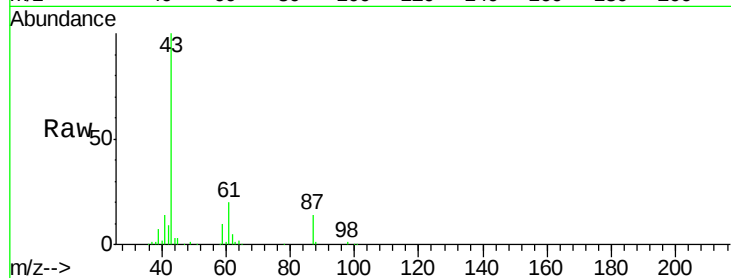
#43
Isopropyl Acetate
Concen: 53.143 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

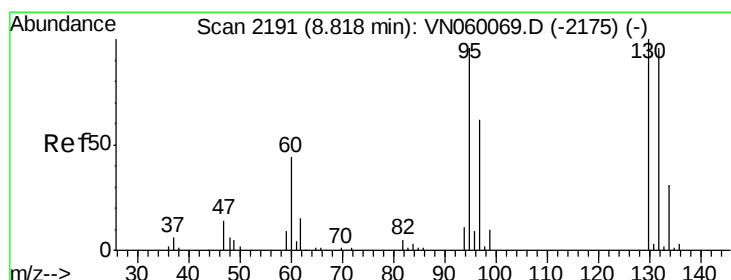
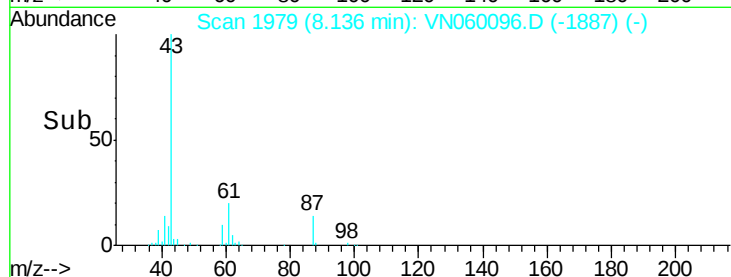
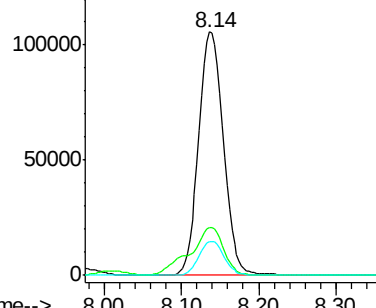
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.8	32.6
87	14.0	11.4	17.2

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MMDadoda
2/14/2020 10:27:31 AM

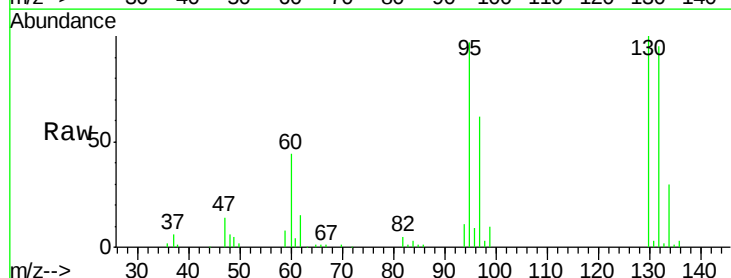


Abundance Ion 43.00 (42.70 to 43.70): VN060096.D (-1959) (-)

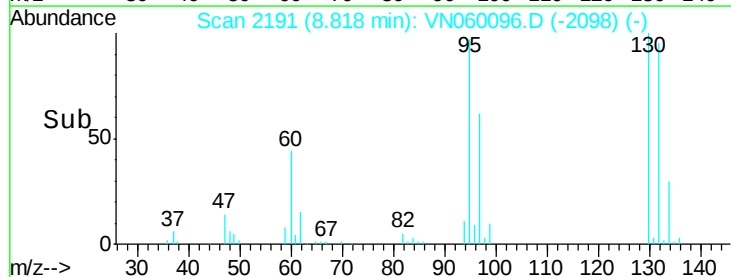
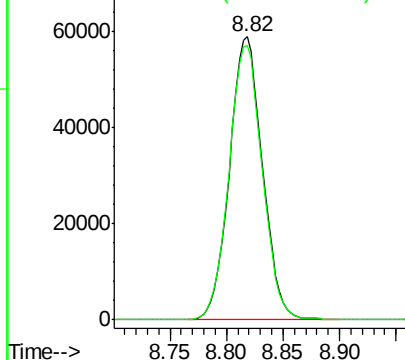


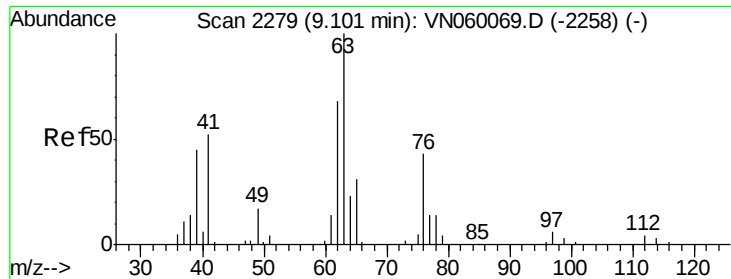
#44
Trichloroethene
Concen: 50.740 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	192.4



Abundance Ion 129.80 (129.50 to 130.50): VN060096.D (-2098) (-)





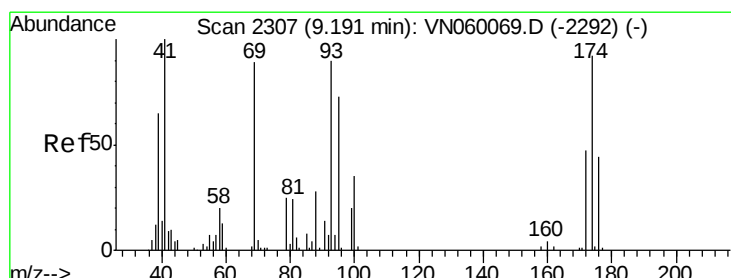
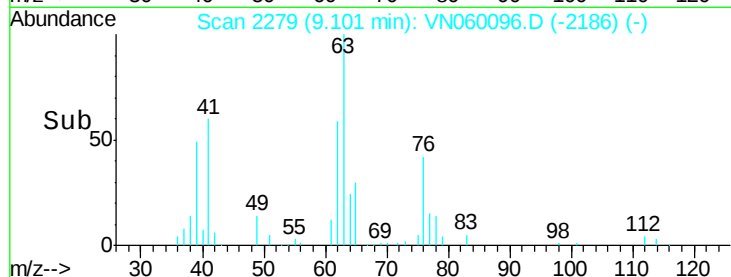
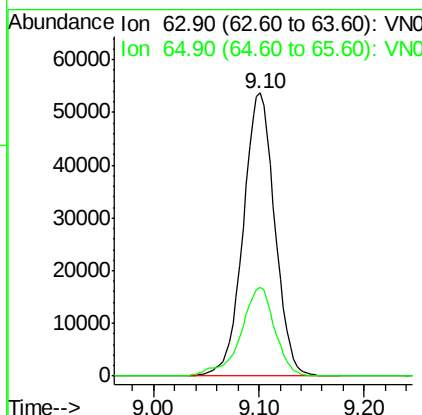
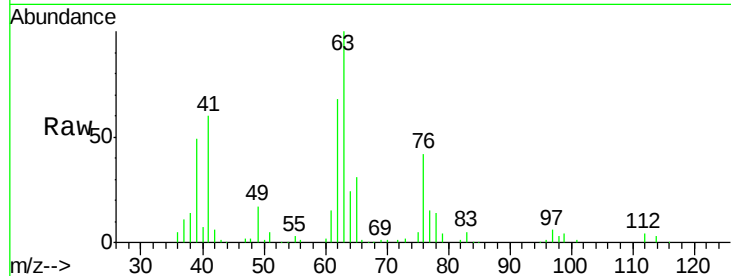
#45
 1,2-Dichloropropane
 Concen: 53.256 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060096.D
 Acq: 13 Feb 2020 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 111930
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.4

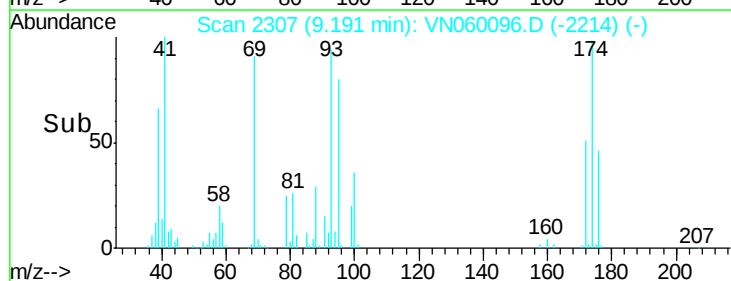
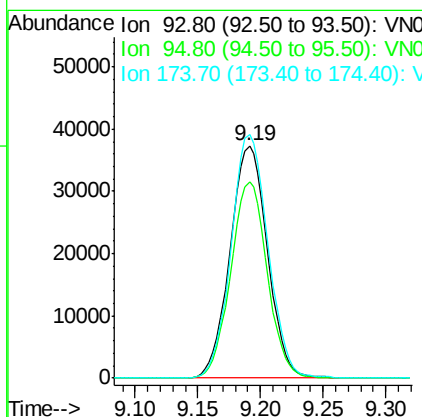
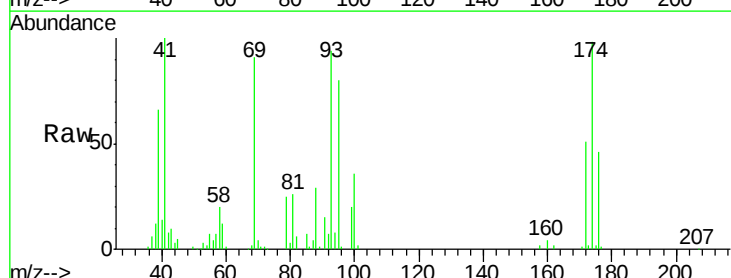
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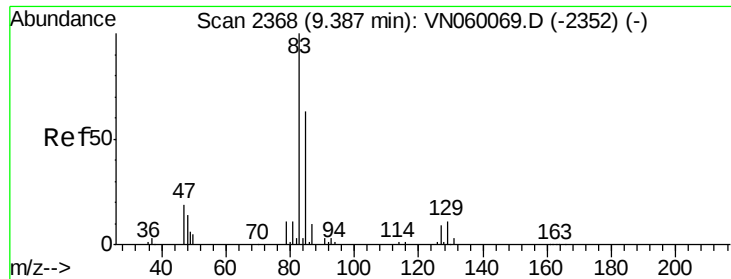
MMDadoda
 2/14/2020 10:27:31 AM



#46
 Dibromomethane
 Concen: 52.088 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060096.D
 Acq: 13 Feb 2020 16:05

Tgt Ion: 93 Resp: 77363
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.0 97.6
 174 103.4 82.3 123.5





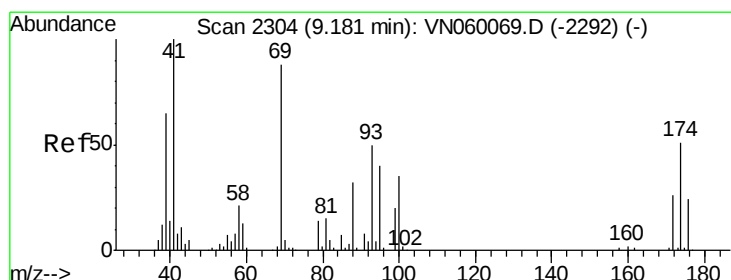
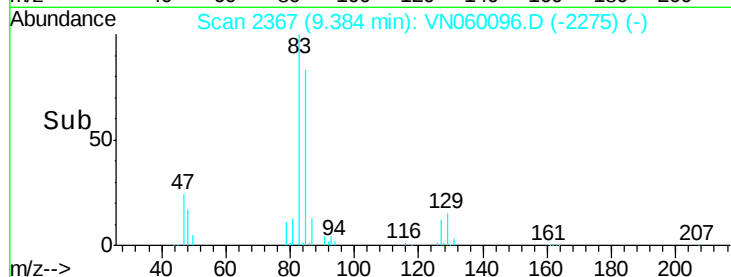
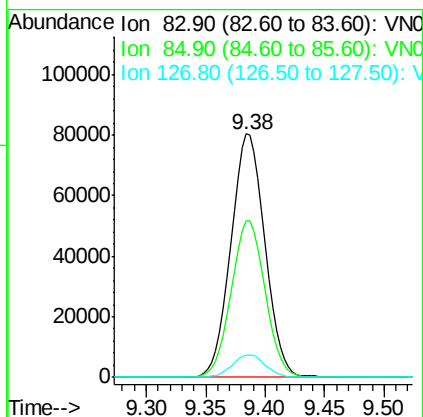
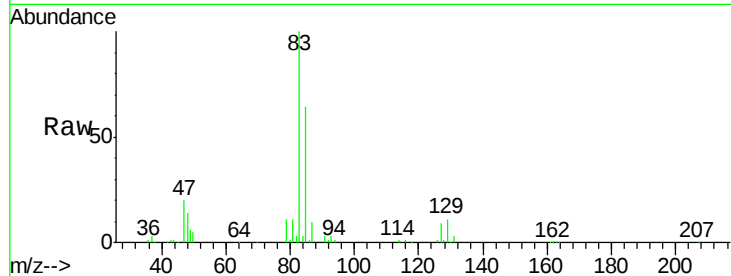
#47
Bromodichloromethane
Concen: 52.687 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.6	75.8
127	9.1	7.0	10.6

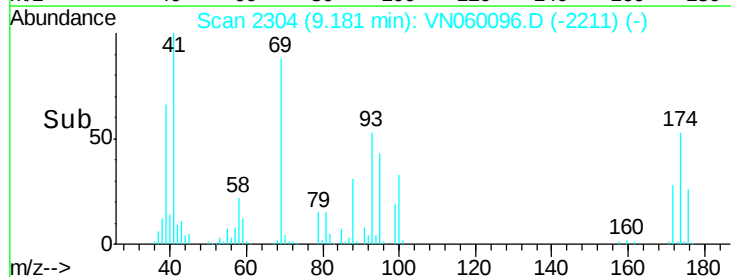
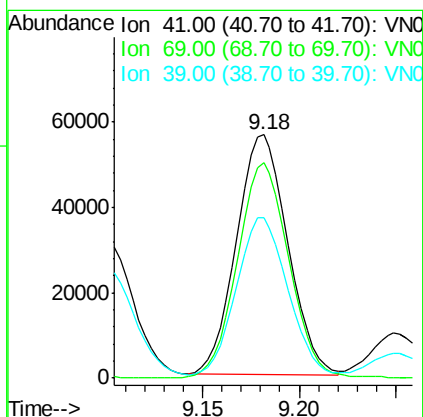
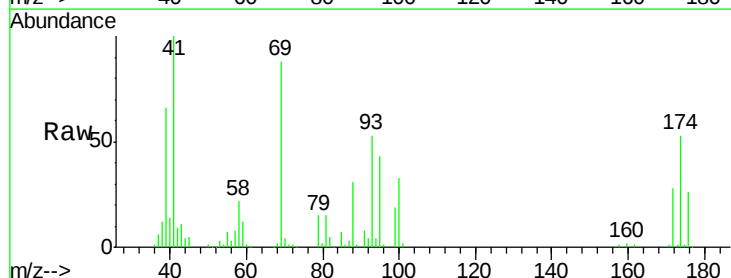
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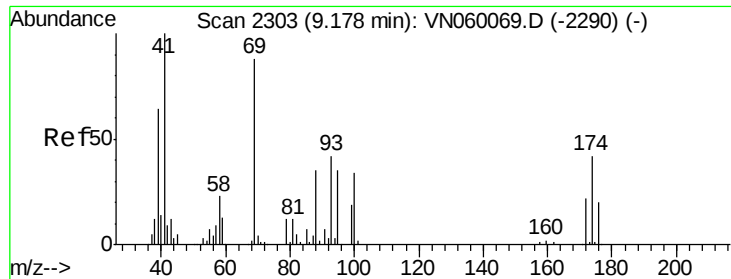
MMDadoda
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#48
Methyl methacrylate
Concen: 52.283 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.6	72.0	108.0
39	65.5	54.1	81.1





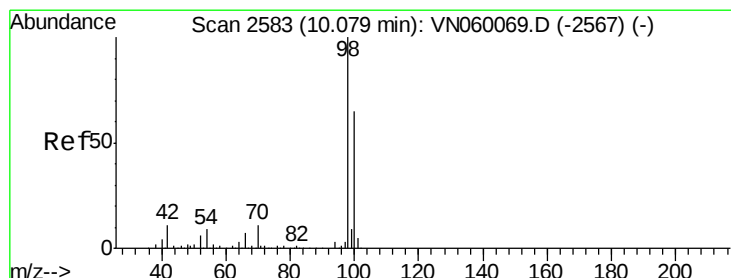
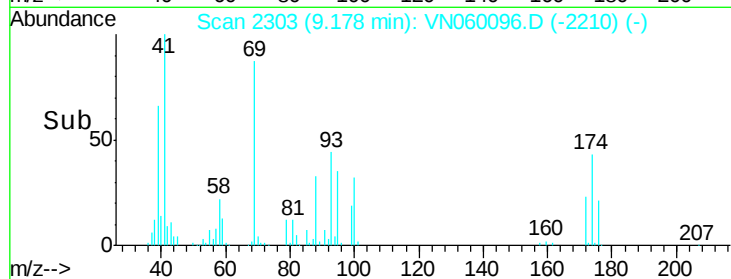
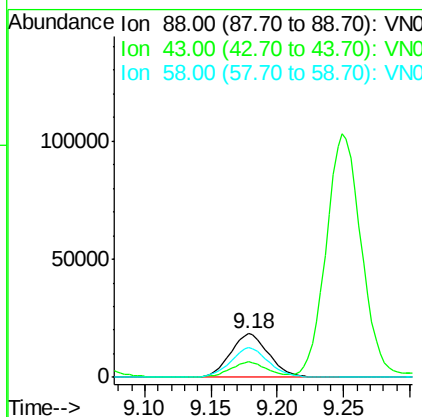
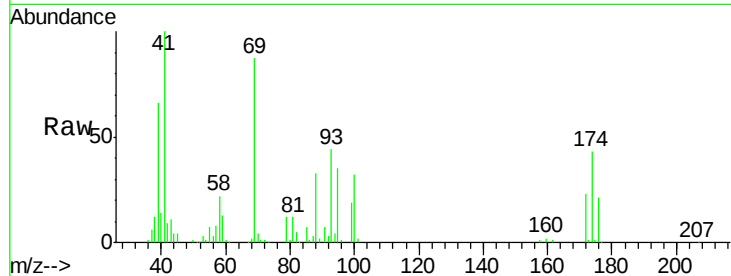
#49
1,4-Dioxane
Concen: 1103.009 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	37385
Ion	Ratio	Lower	Upper
88	100		
43	31.6	26.2	39.2
58	67.3	53.2	79.8

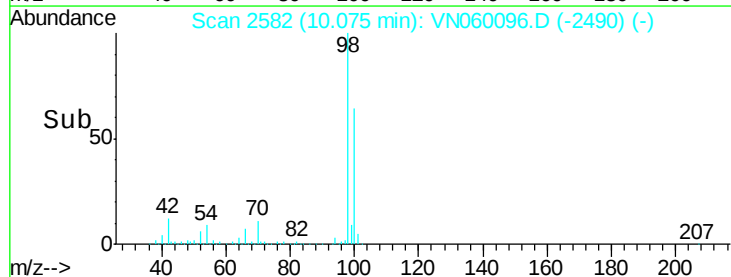
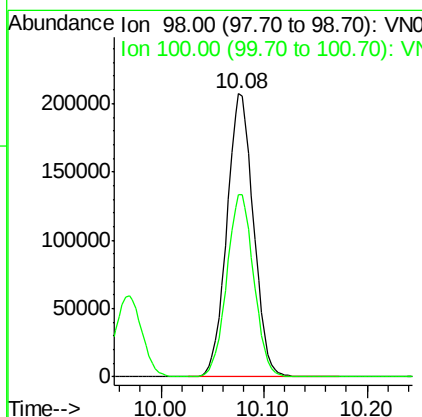
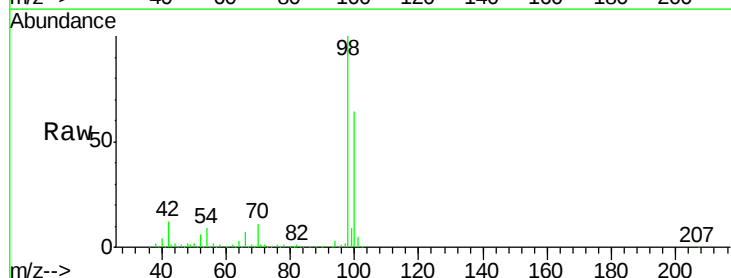
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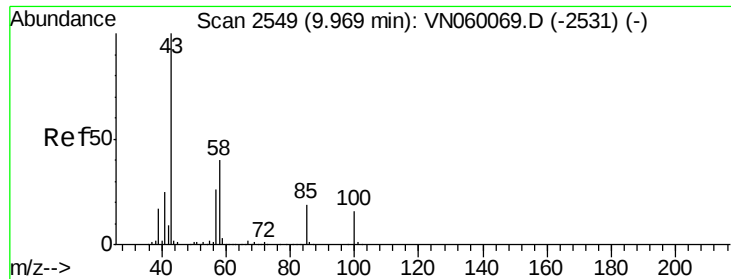
MMDadoda
2/14/2020 10:27:31 AM



#50
Toluene-d8
Concen: 49.834 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion	98	Resp	372724
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 266.684 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 682486

Ion Ratio Lower Upper

43 100

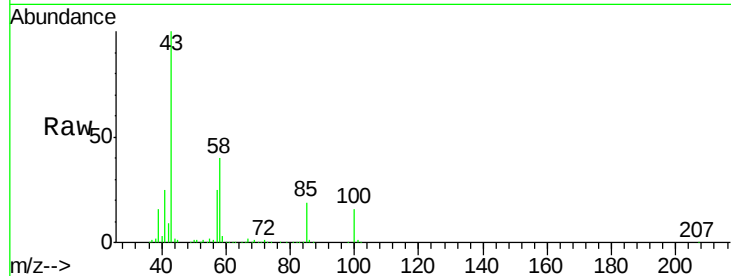
58 39.5 31.8 47.8

Manual Integrations

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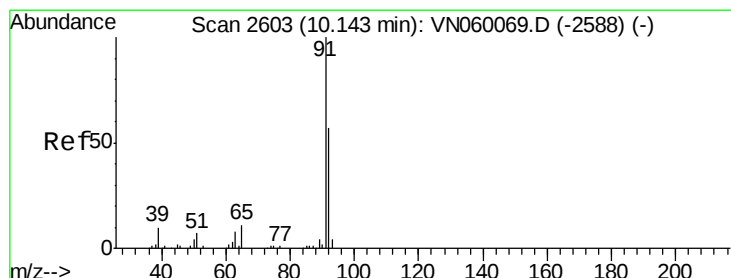
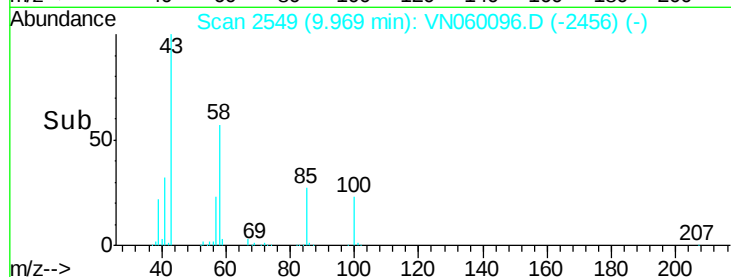
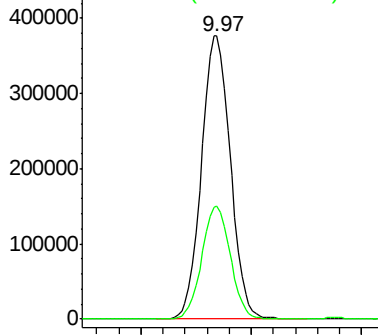
MMDadoda

2/14/2020 10:27:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.610 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060096.D

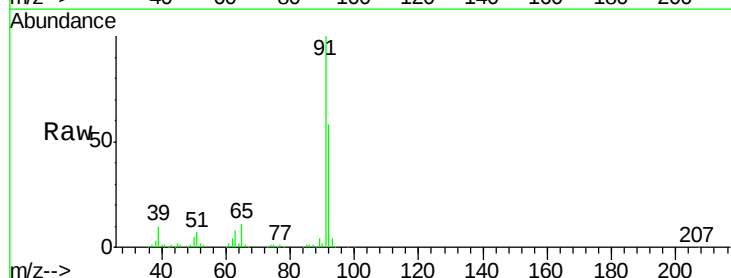
Acq: 13 Feb 2020 16:05

Tgt Ion: 92 Resp: 286406

Ion Ratio Lower Upper

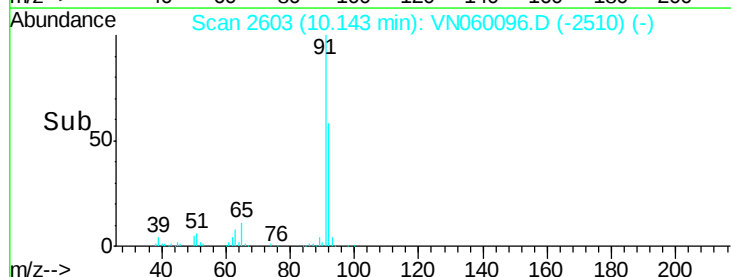
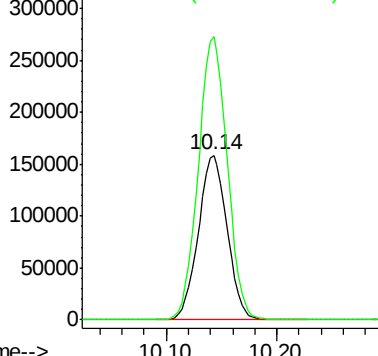
92 100

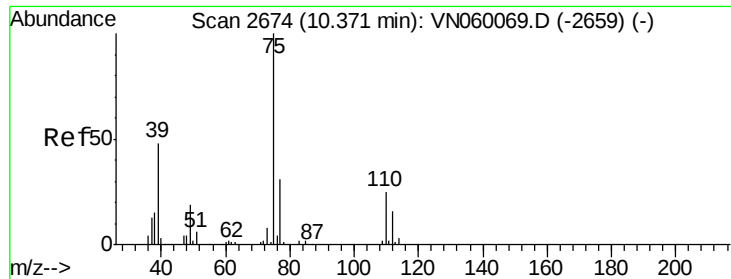
91 173.1 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





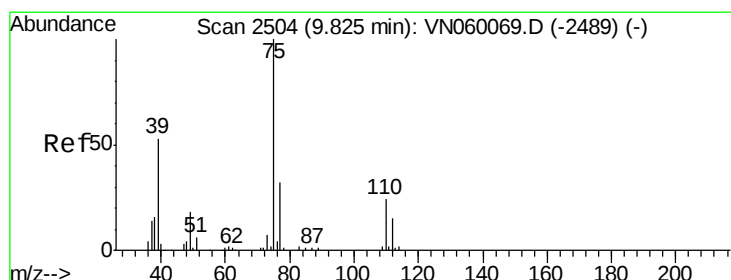
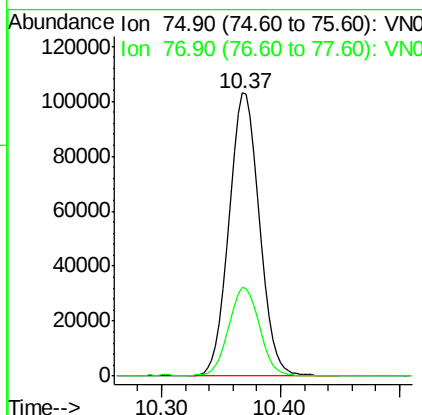
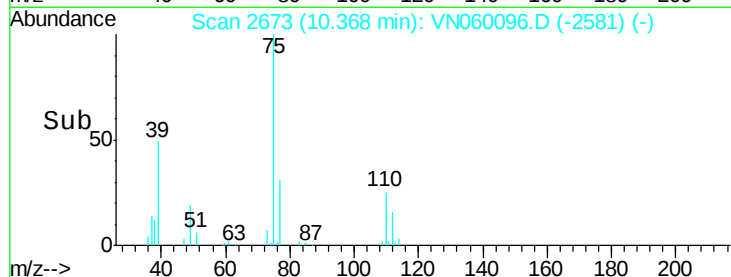
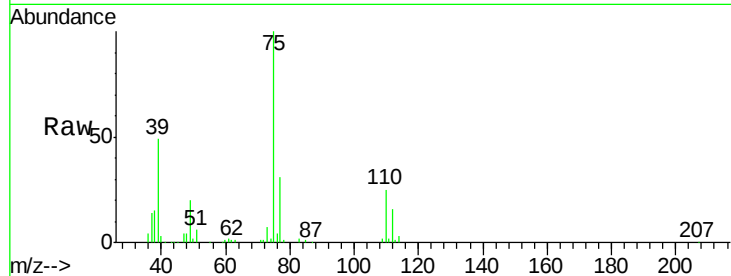
#53
t-1,3-Dichloropropene
Concen: 53.678 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.0

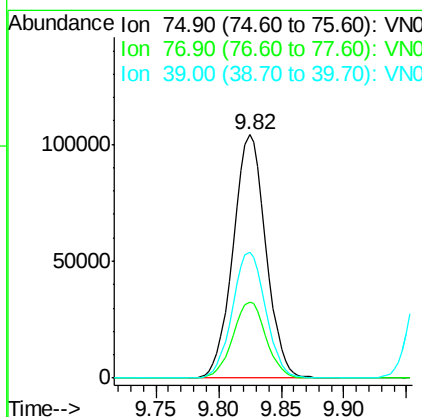
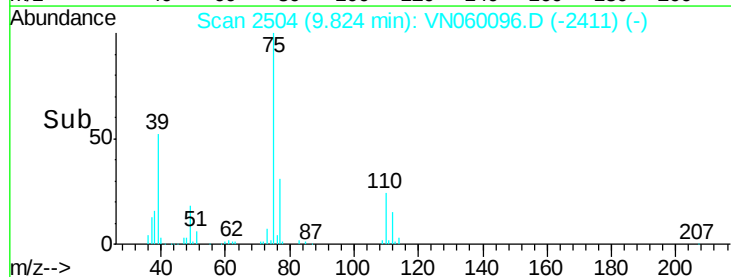
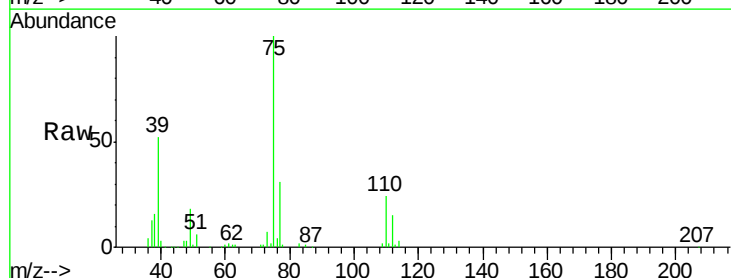
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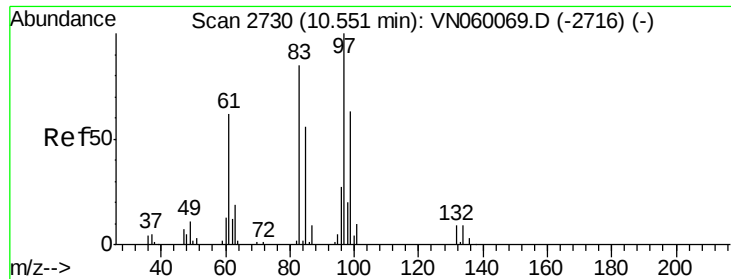
MMDadoda
2/14/2020 10:27:31 AM



#54
cis-1,3-Dichloropropene
Concen: 52.735 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.6	38.4
39	51.8	42.2	63.4





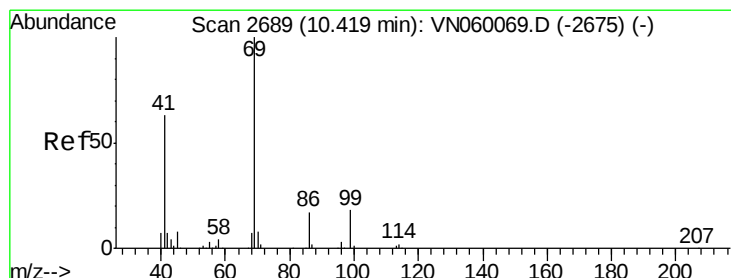
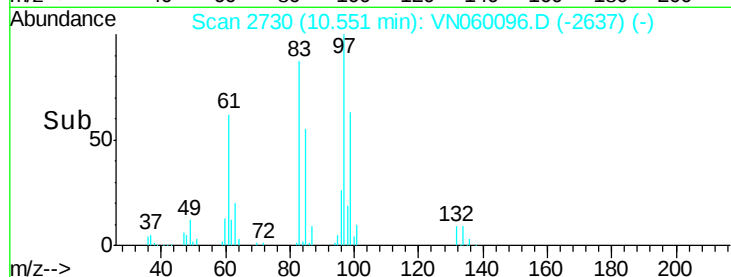
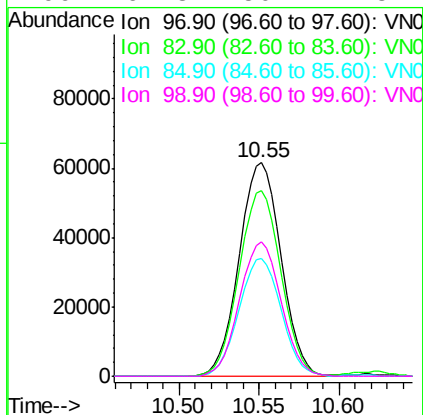
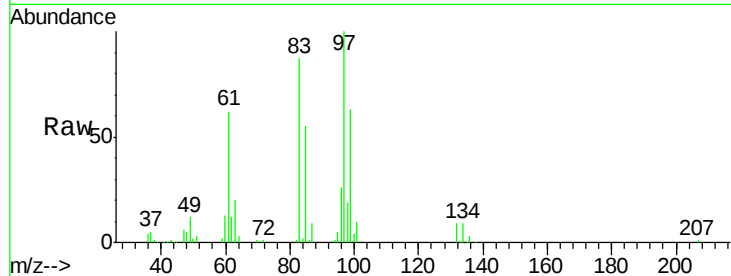
#55
 1,1,2-Trichloroethane
 Concen: 52.068 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060096.D
 Acq: 13 Feb 2020 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	110584
Ion	Ratio	Lower	Upper
97	100		
83	86.8	67.9	101.9
85	55.1	44.6	67.0
99	62.8	50.1	75.1

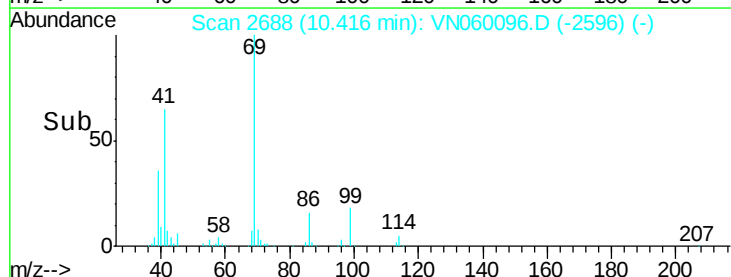
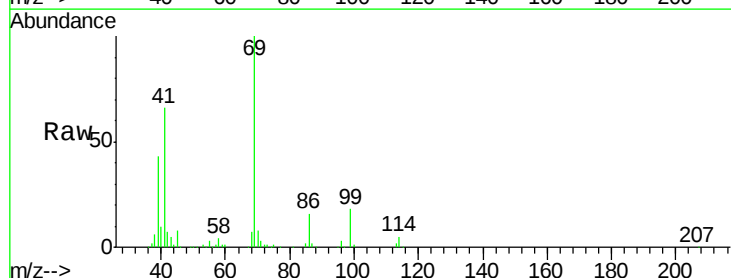
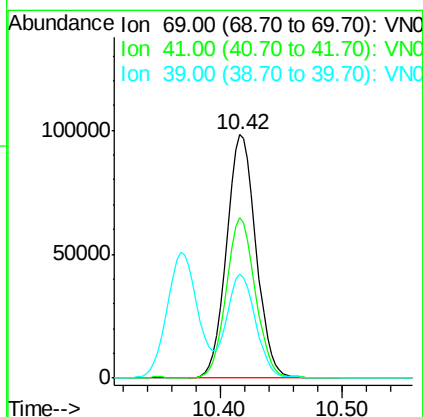
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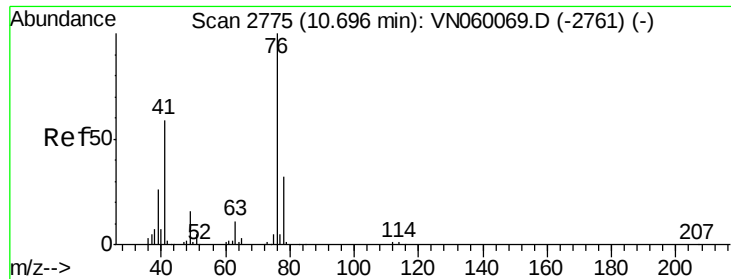
MMDadoda
 2/14/2020 10:27:31 AM



#56
 Ethyl methacrylate
 Concen: 55.239 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060096.D
 Acq: 13 Feb 2020 16:05

Tgt Ion:	69	Resp:	165959
Ion	Ratio	Lower	Upper
69	100		
41	64.8	51.1	76.7
39	42.5	33.8	50.8





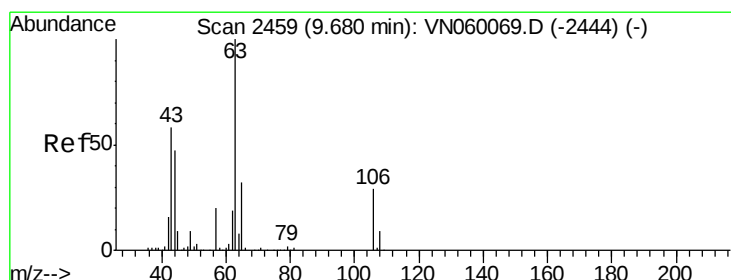
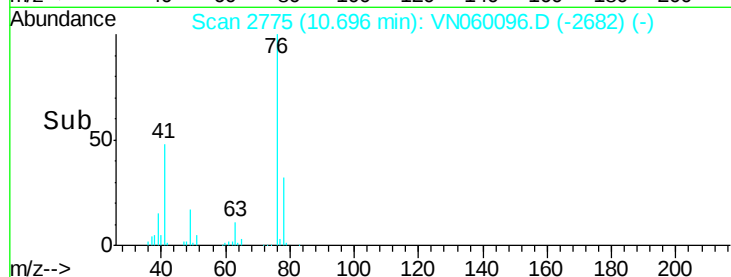
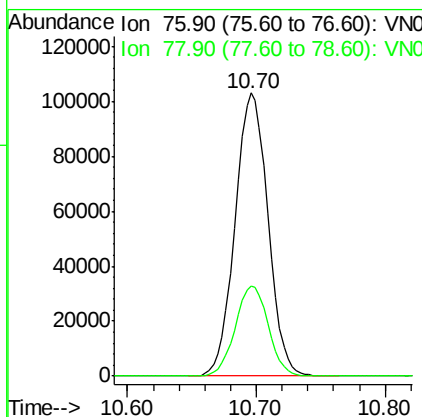
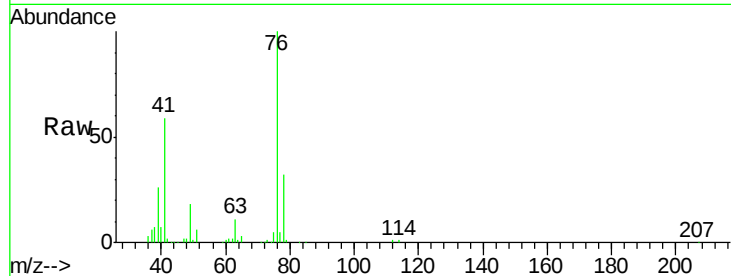
#57
 1,3-Dichloropropane
 Concen: 52.115 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060096.D
 Acq: 13 Feb 2020 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.7	38.5

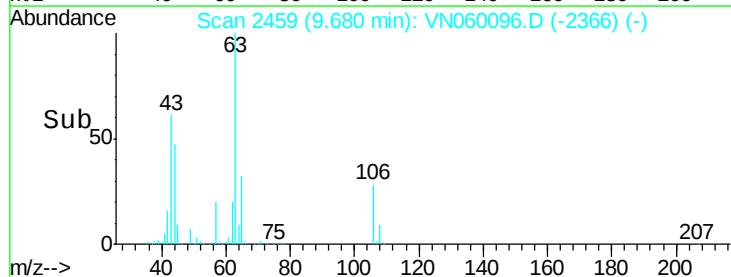
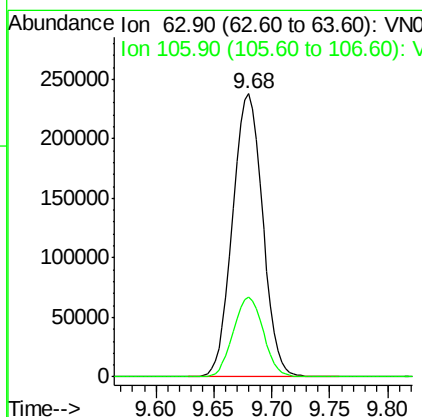
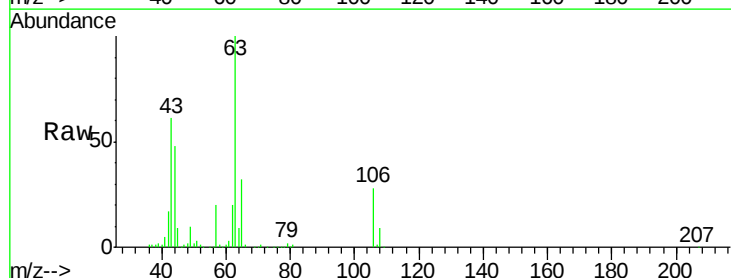
Manual Integrations
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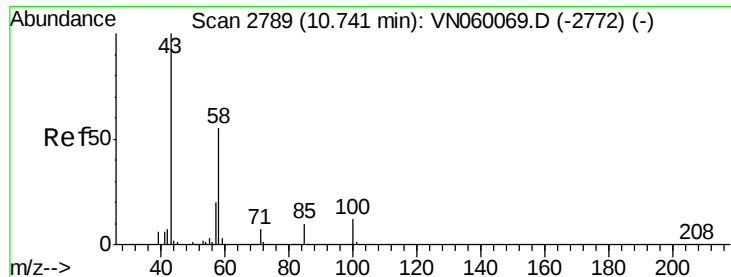
MMDadoda
 2/14/2020 10:27:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 305.876 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060096.D
 Acq: 13 Feb 2020 16:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.9	34.3





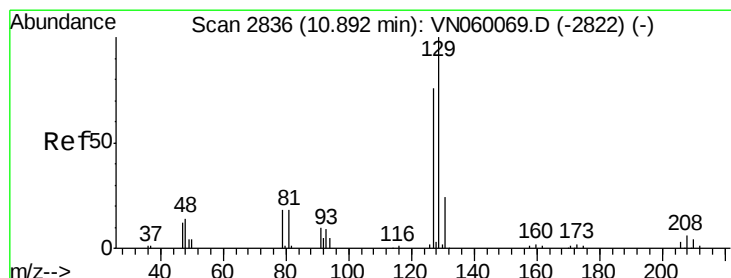
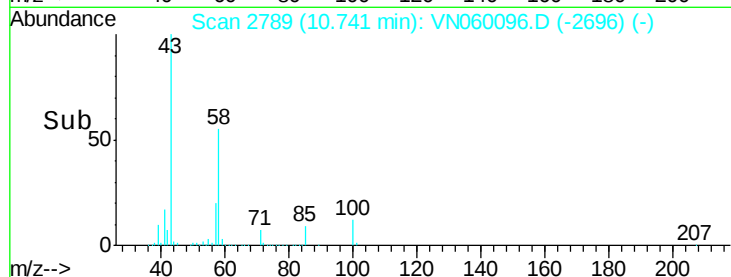
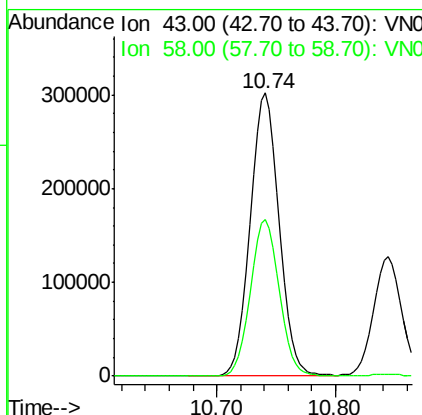
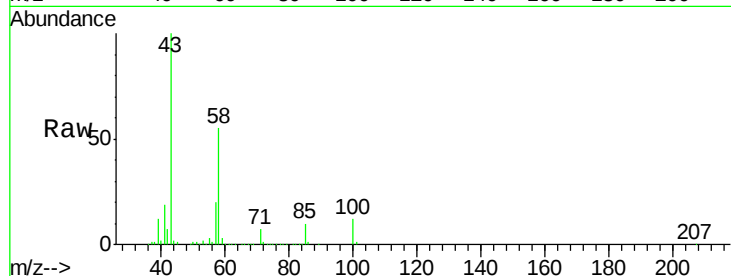
#59
2-Hexanone
Concen: 255.707 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	505502
Ion	Ratio	Lower	Upper
43	100		
58	55.4	27.5	82.4

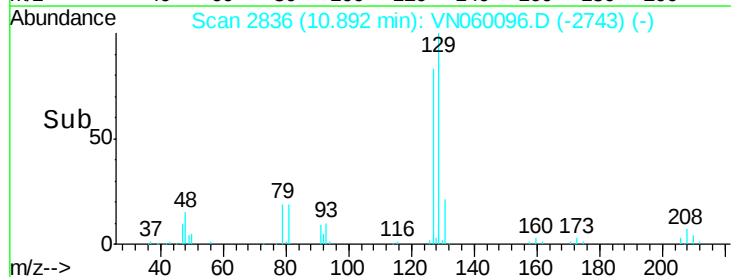
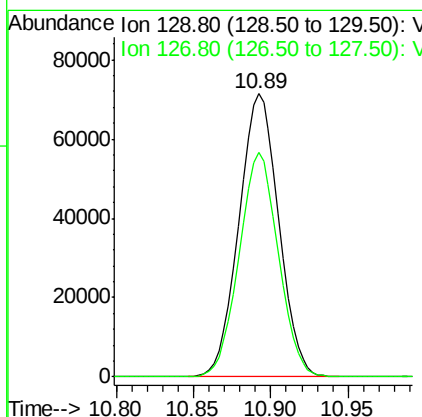
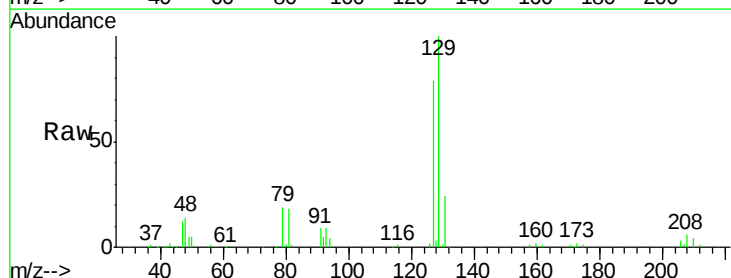
Manual Integrations
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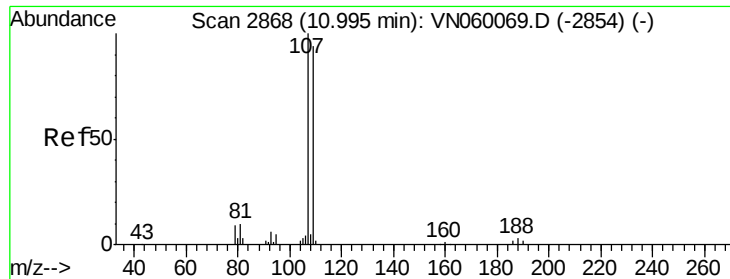
MMDadoda
2/14/2020 10:27:31 AM



#60
Dibromochloromethane
Concen: 52.377 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion	129	Resp	127653
Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.0	114.1





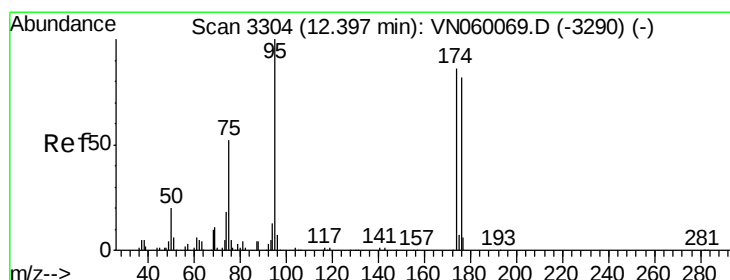
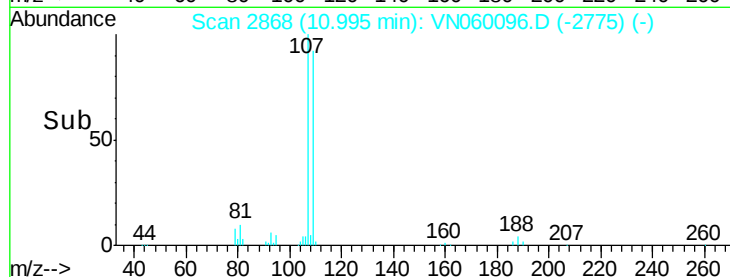
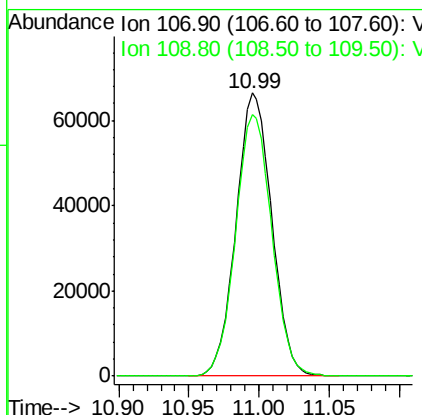
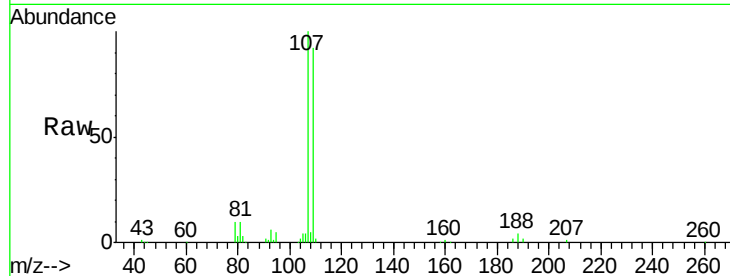
#61
 1,2-Dibromoethane
 Concen: 53.077 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060096.D
 Acq: 13 Feb 2020 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.0

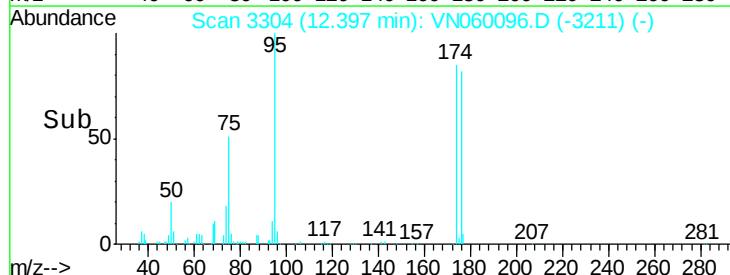
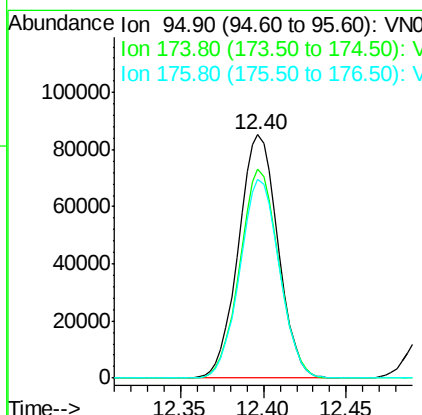
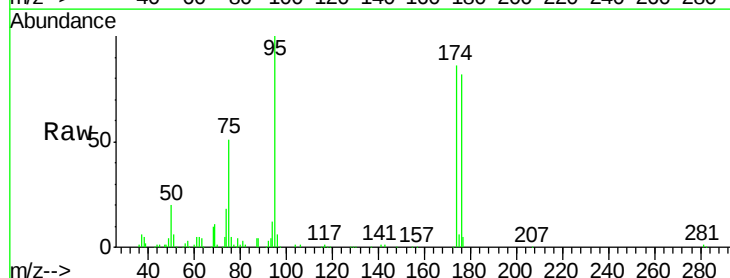
Manual Integrations
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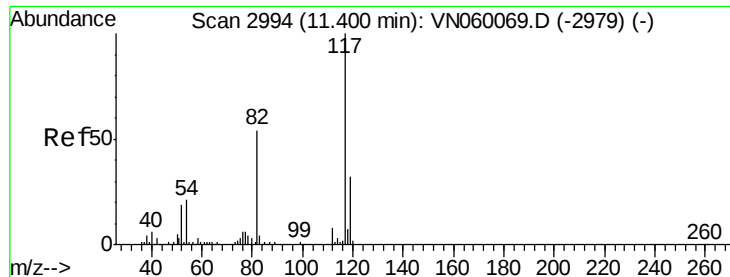
MMDadoda
 2/14/2020 10:27:31 AM



#62
 4-Bromofluorobenzene
 Concen: 51.337 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060096.D
 Acq: 13 Feb 2020 16:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	169.8
176	81.8	0.0	164.8





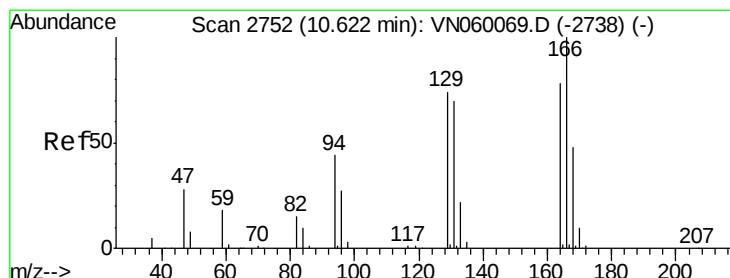
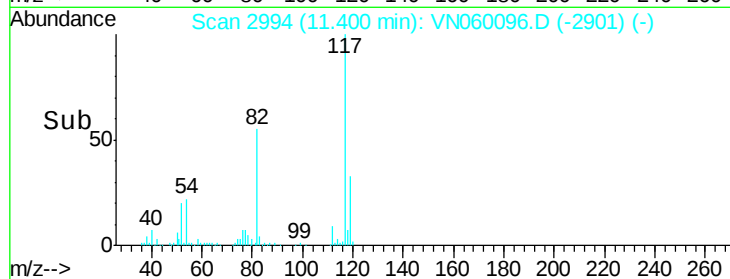
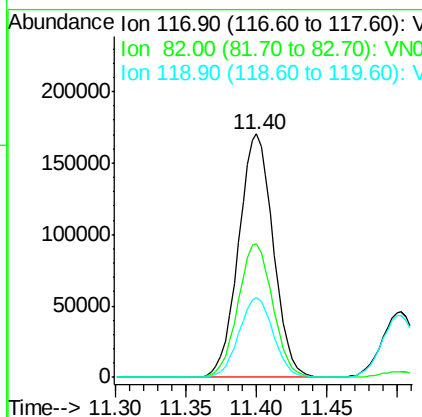
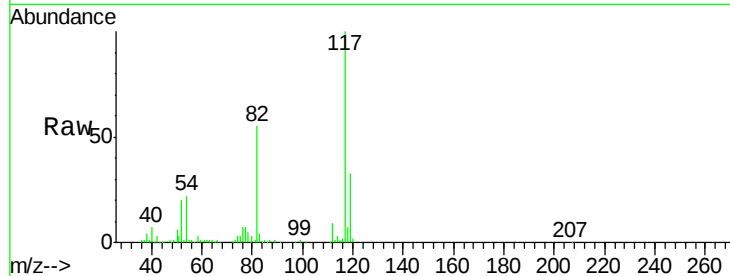
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.4	65.0
119	32.7	25.8	38.6

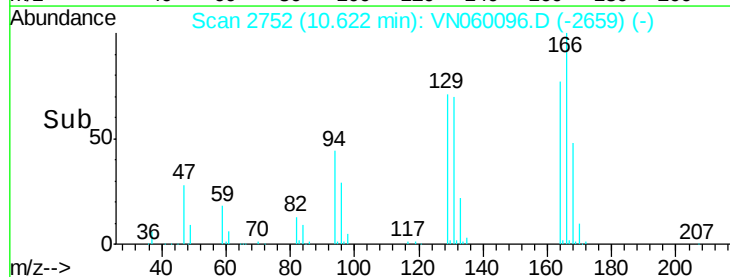
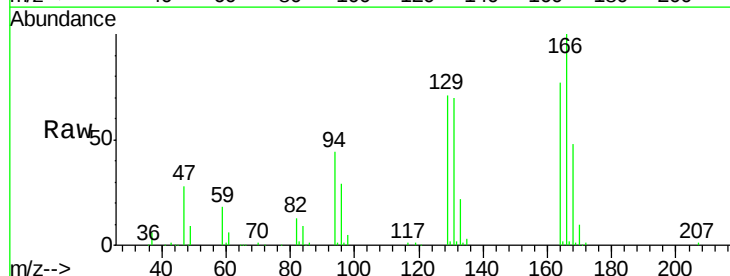
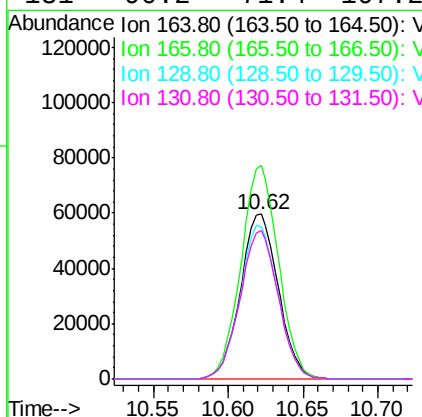
Manual Integrations
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#64
Tetrachloroethene
Concen: 47.296 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	101.9	152.9
129	92.6	75.4	113.0
131	90.2	71.4	107.2





#65

Chlorobenzene

Concen: 51.721 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 308145

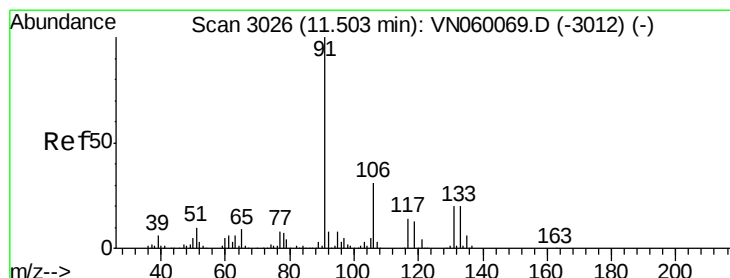
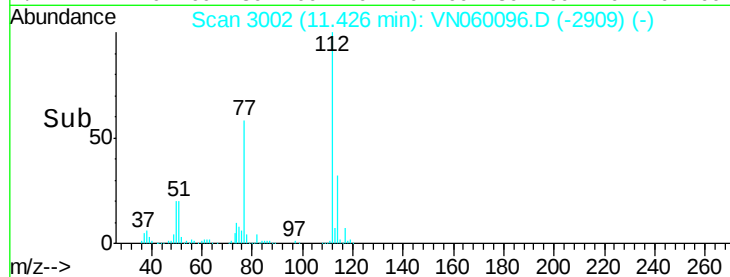
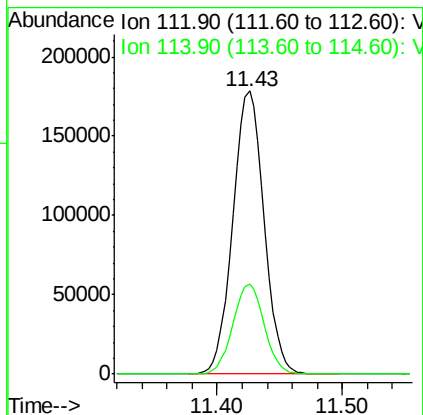
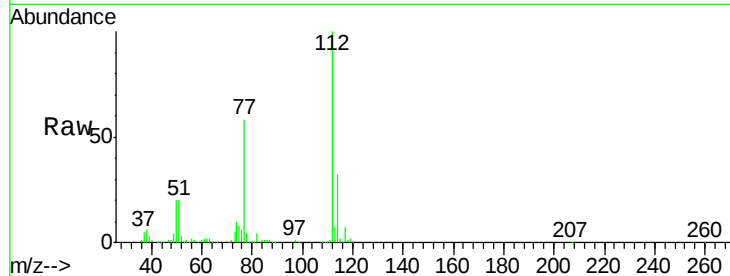
Ion Ratio Lower Upper

112 100

114 31.7 25.4 38.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 52.450 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

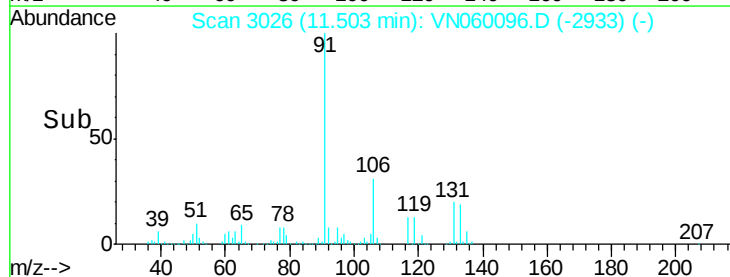
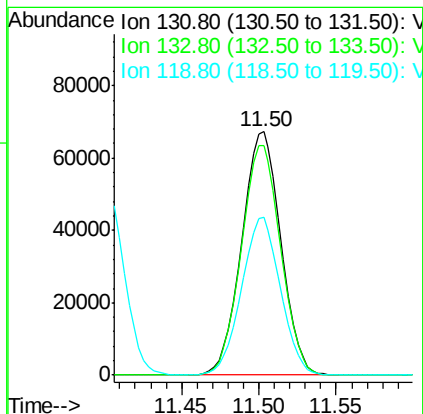
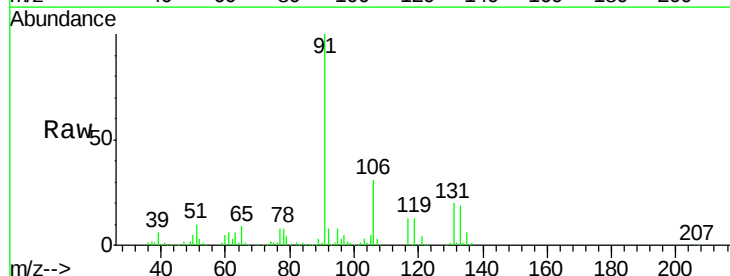
Tgt Ion:131 Resp: 118214

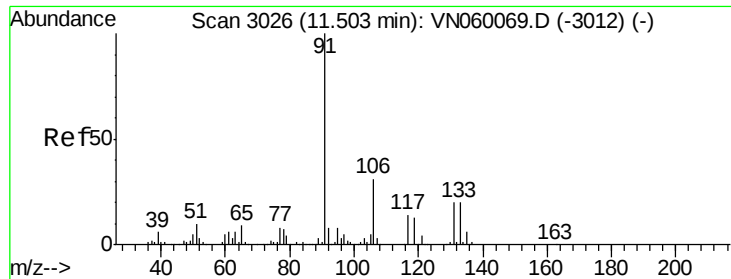
Ion Ratio Lower Upper

131 100

133 95.2 47.9 143.7

119 64.4 32.6 97.7





#67

Ethyl Benzene

Concen: 52.552 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 564692

Ion Ratio Lower Upper

91 100

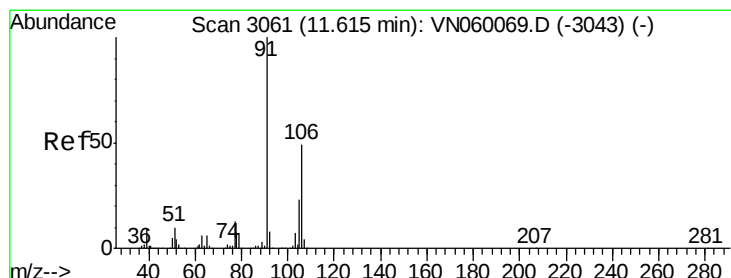
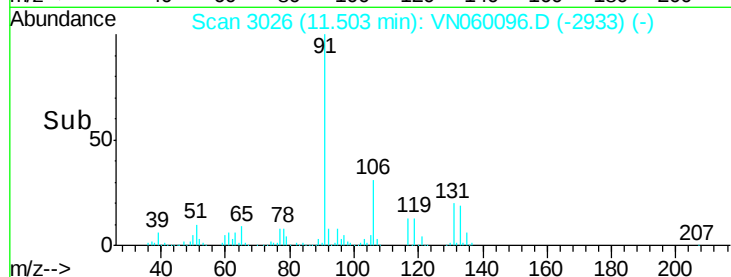
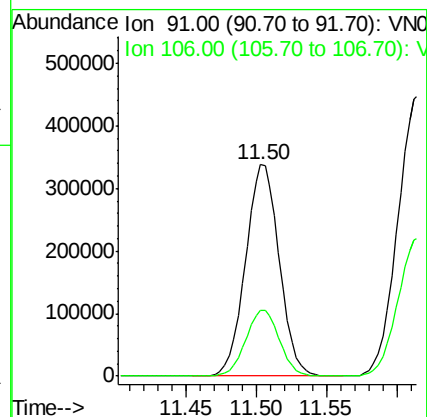
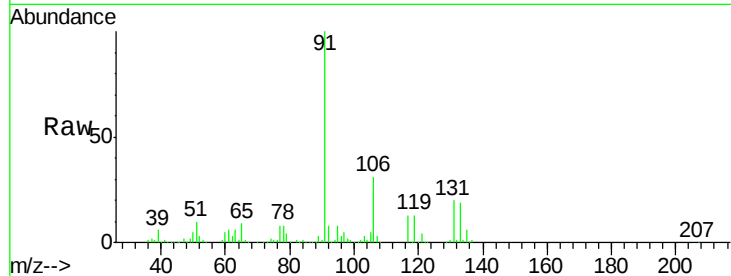
106 31.1 25.1 37.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 106.754 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060096.D

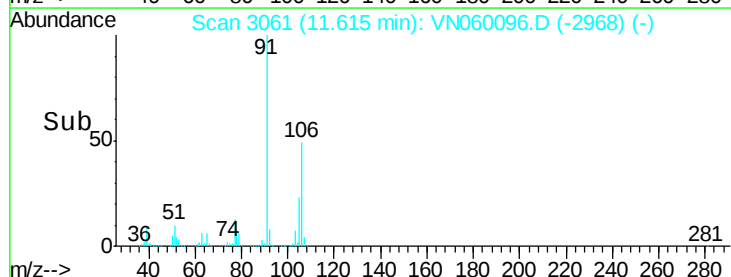
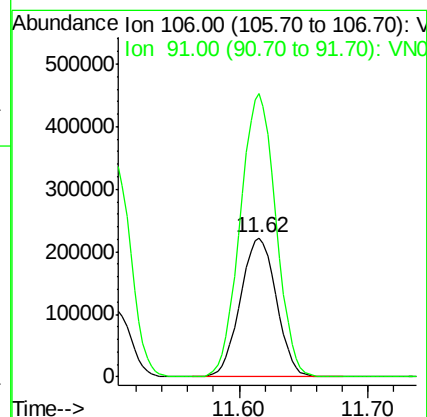
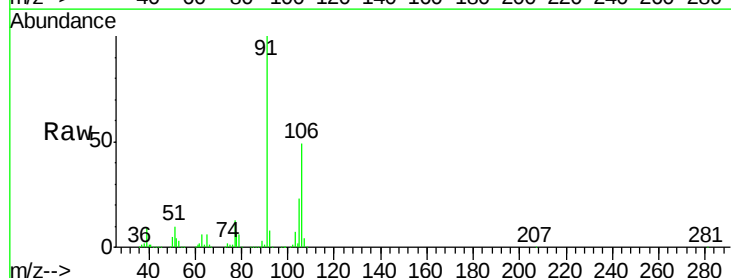
Acq: 13 Feb 2020 16:05

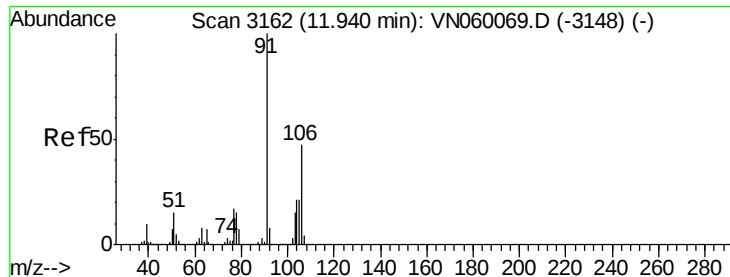
Tgt Ion: 106 Resp: 430531

Ion Ratio Lower Upper

106 100

91 201.9 162.7 244.1





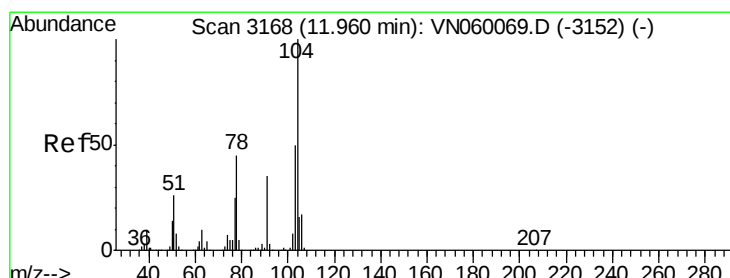
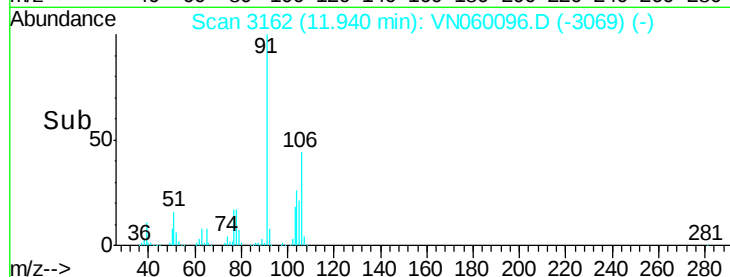
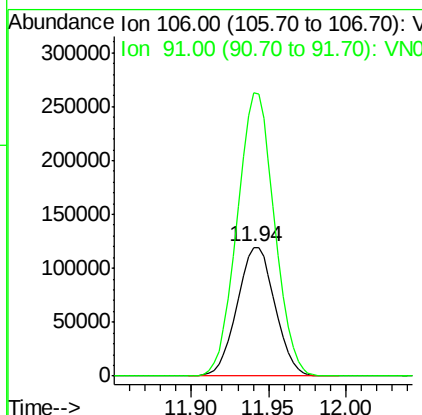
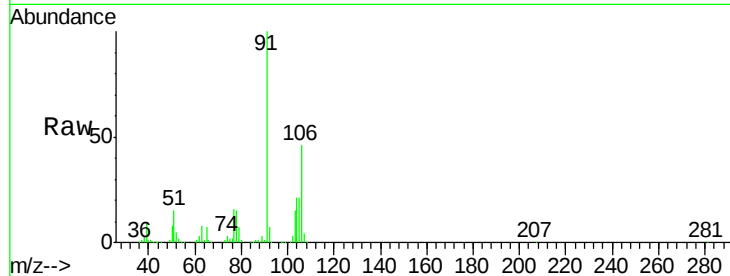
#69
o-Xylene
Concen: 52.449 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 203664
Ion Ratio Lower Upper
106 100
91 216.3 107.2 321.6

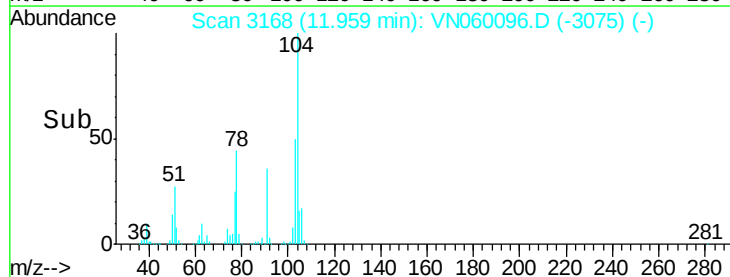
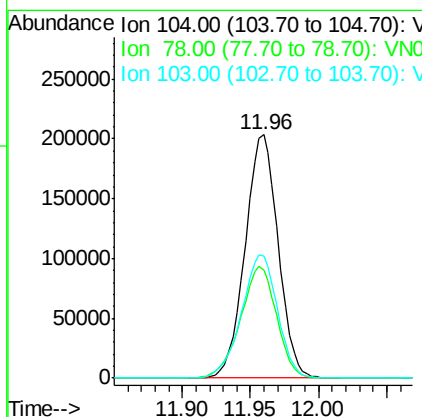
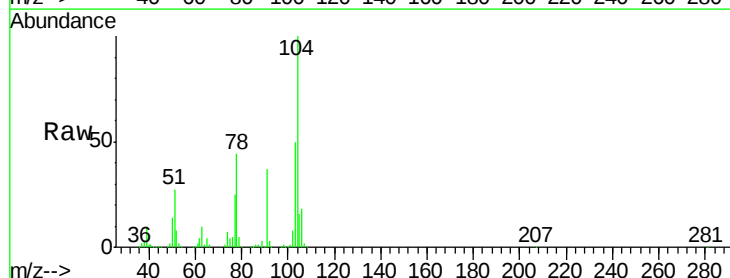
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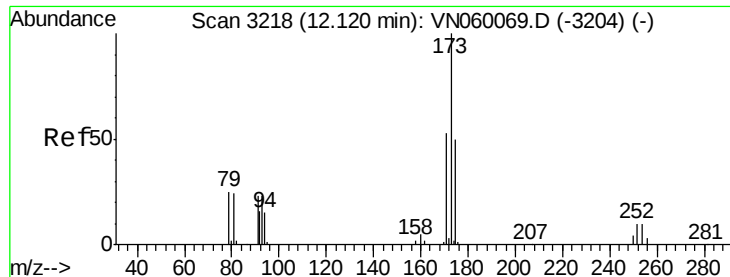
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#70
Styrene
Concen: 54.706 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion:104 Resp: 342553
Ion Ratio Lower Upper
104 100
78 50.1 40.2 60.2
103 55.2 44.3 66.5





#71

Bromoform

Concen: 53.624 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 97209

Ion Ratio Lower Upper

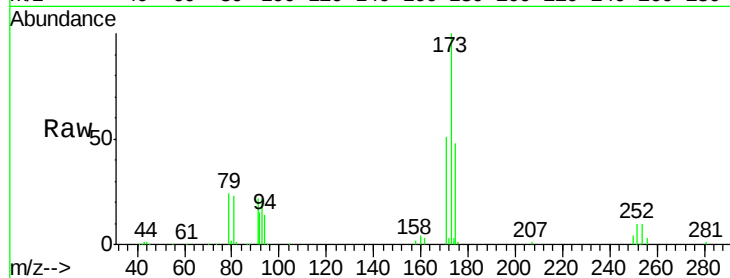
173 100

175 48.4 24.9 74.6

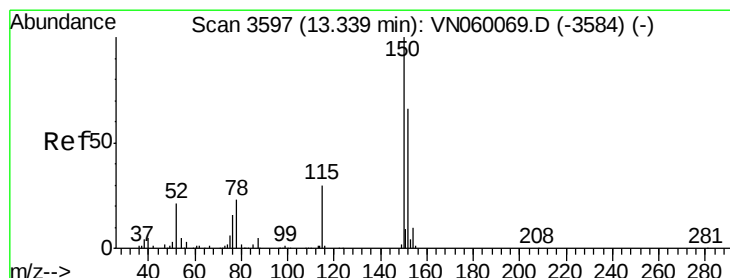
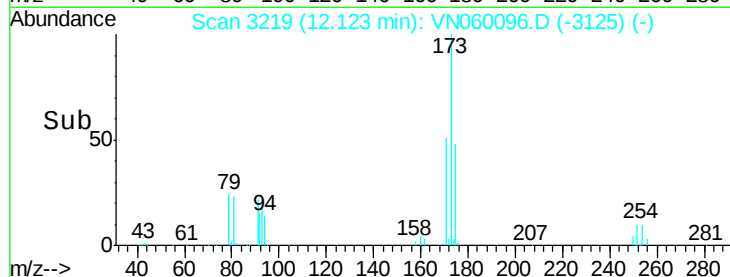
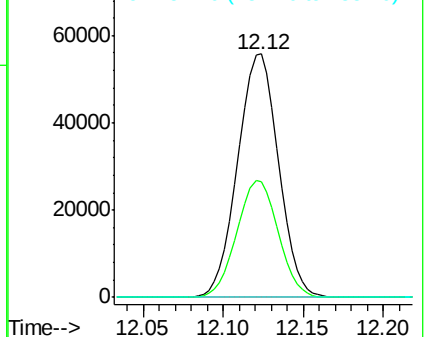
254 0.0 0.0 0.0

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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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

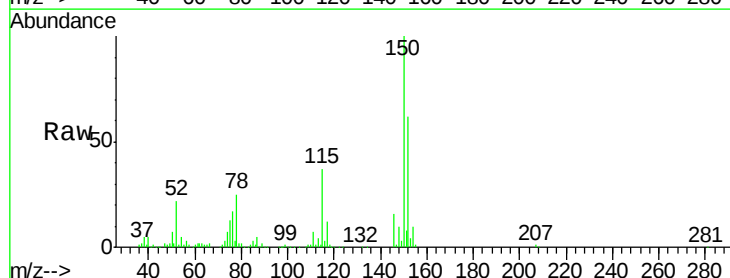
Tgt Ion:152 Resp: 151934

Ion Ratio Lower Upper

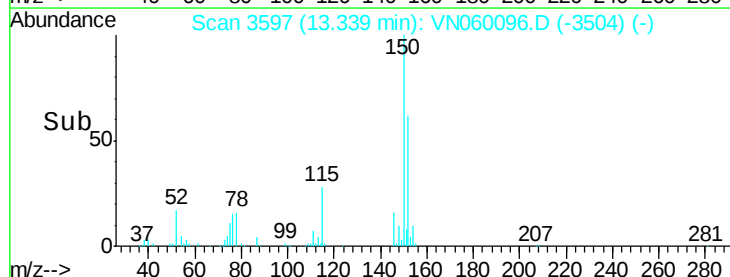
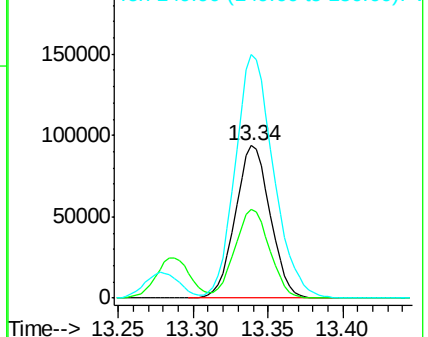
152 100

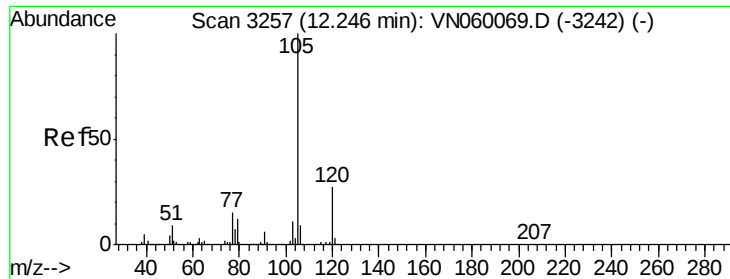
115 58.5 28.9 86.8

150 175.5 0.0 342.4



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





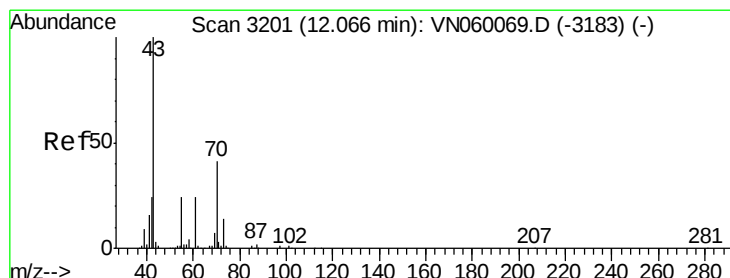
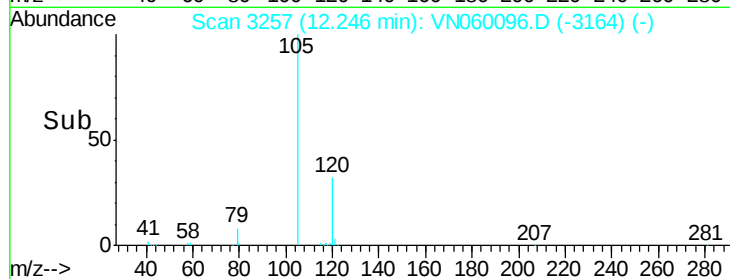
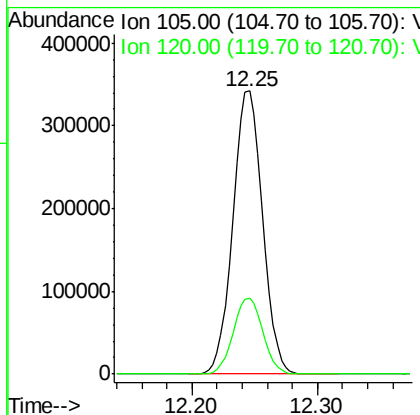
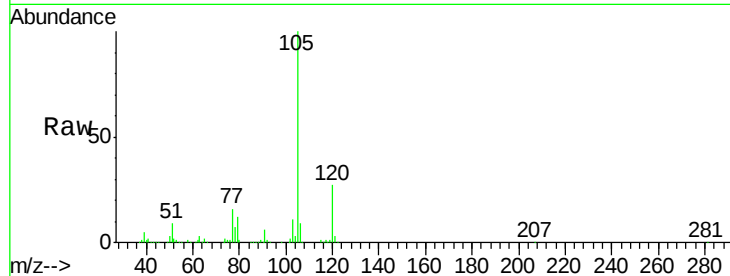
#73
Isopropylbenzene
Concen: 49.454 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.8

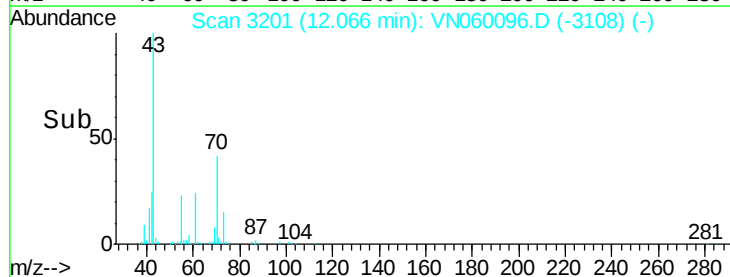
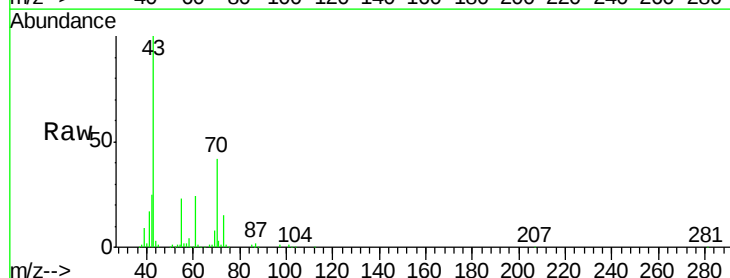
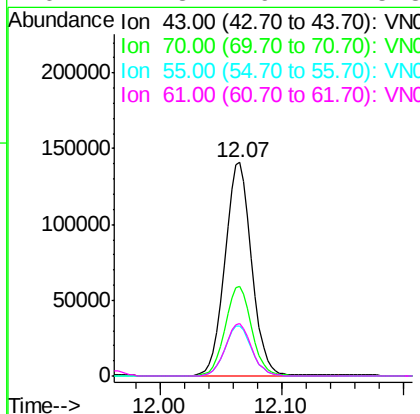
Manual Integrations
APPROVED

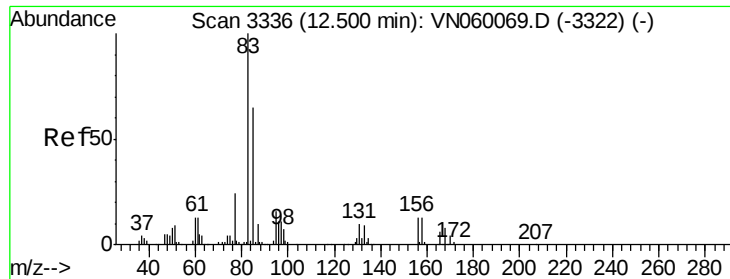
MMDadoda
2/14/2020 10:27:31 AM



#74
N-ethyl acetate
Concen: 52.842 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.0	33.4	50.0
55	23.8	18.8	28.2
61	24.3	19.2	28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.670 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Instrument :

MSVOA_N

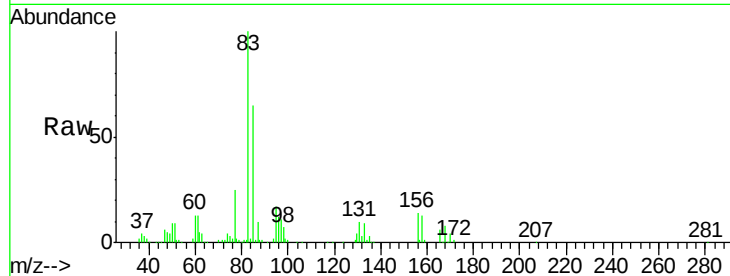
ClientSampleId :

VSTDCCC050EC

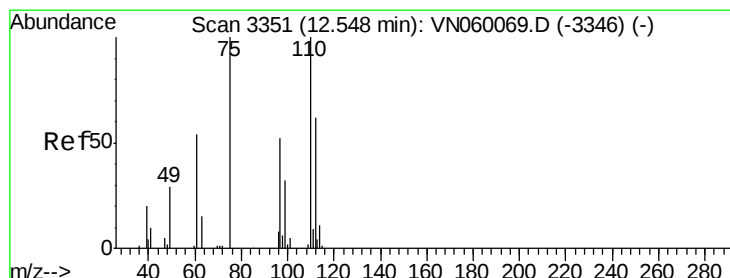
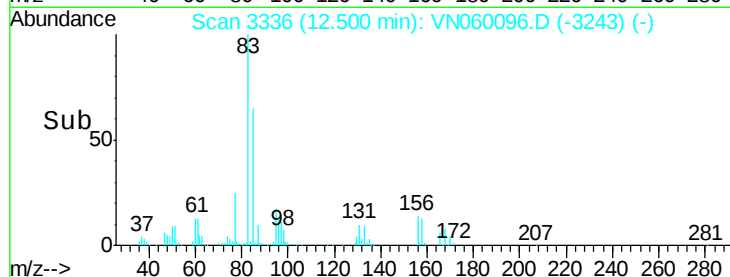
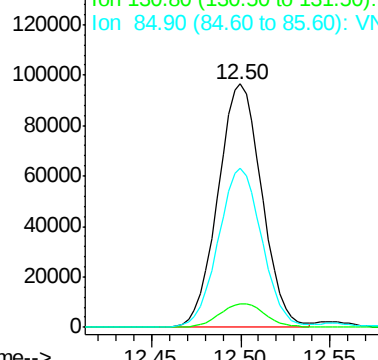
Tot Ion:	83	Resp:	165471
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	65.0	32.3	96.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060096.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 50.112 ug/l m

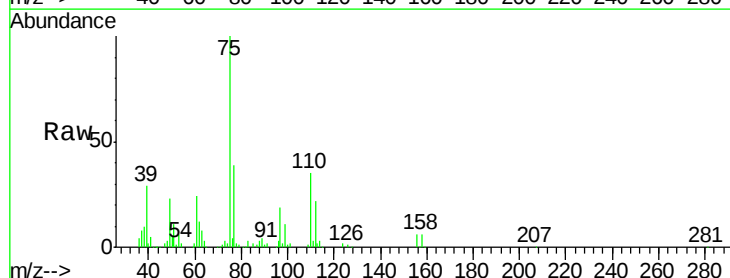
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

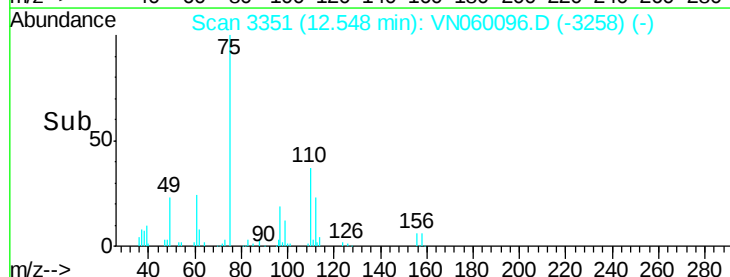
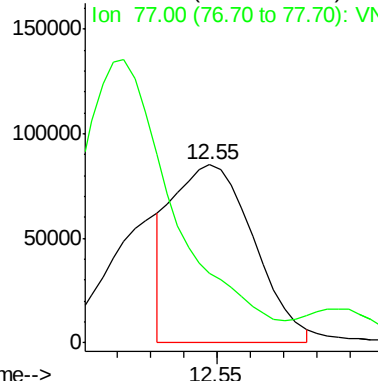
Lab File: VN060096.D

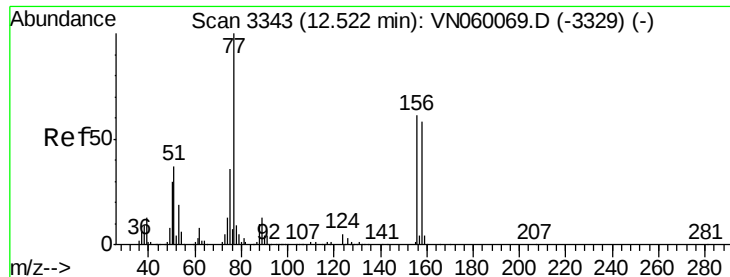
Acq: 13 Feb 2020 16:05

Tgt Ion:	75	Resp:	145666
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060096.D (-3346) (-)





#77

Bromobenzene

Concen: 49.353 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Instrument :

MSVOA_N

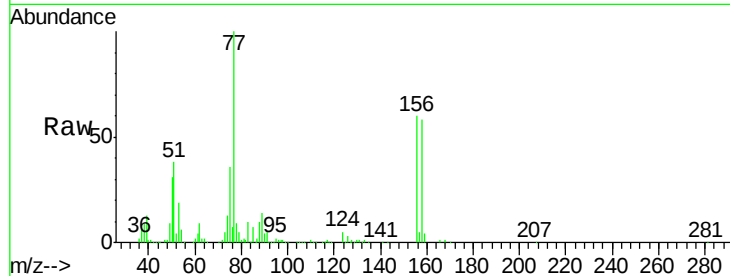
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	138960
Ion Ratio	Lower	Upper	
156	100		
77	199.5	98.7	296.1
158	97.1	48.1	144.4

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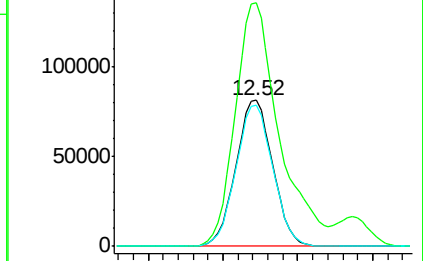
MMDadoda
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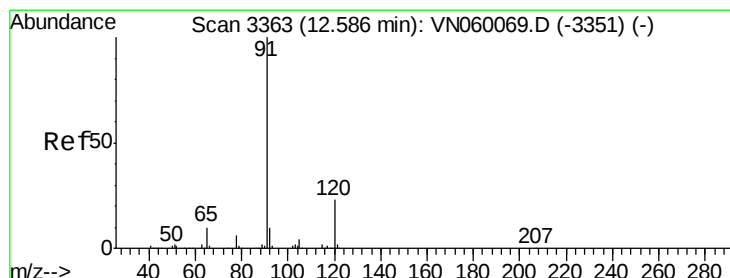
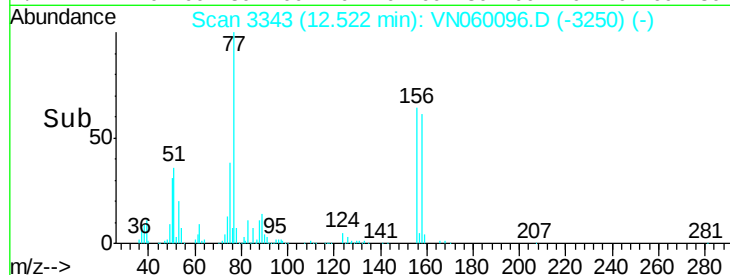
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 50.114 ug/l

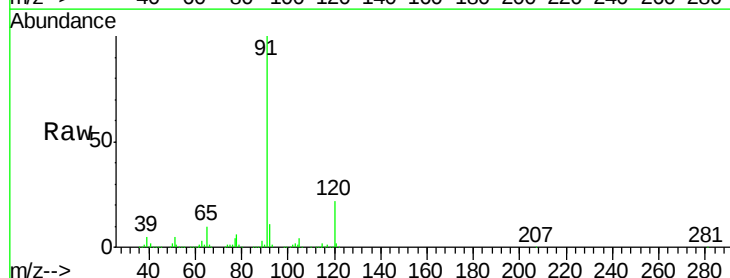
RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060096.D

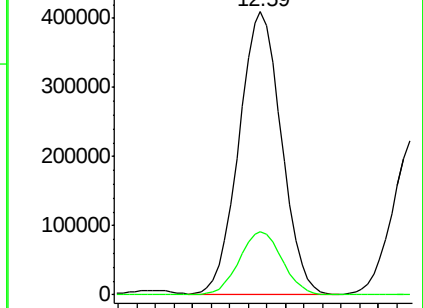
Acq: 13 Feb 2020 16:05

Tgt Ion:	91	Resp:	647788
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.5	34.5

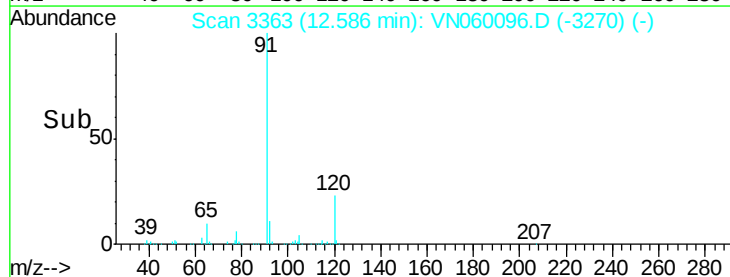


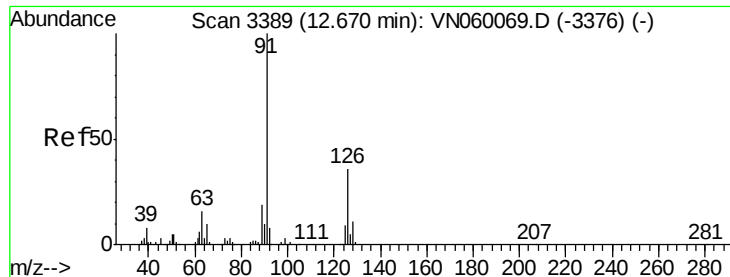
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 49.512 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 376184

Ion Ratio Lower Upper

91 100

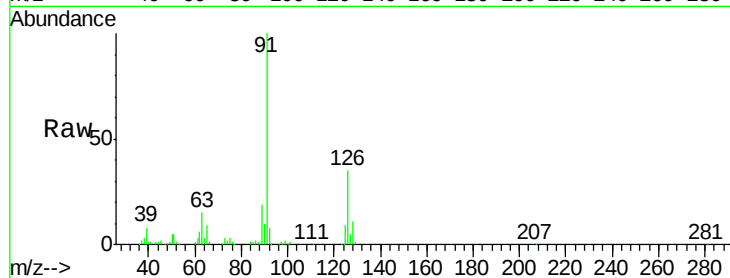
126 34.4 17.4 52.2

Manual Integrations

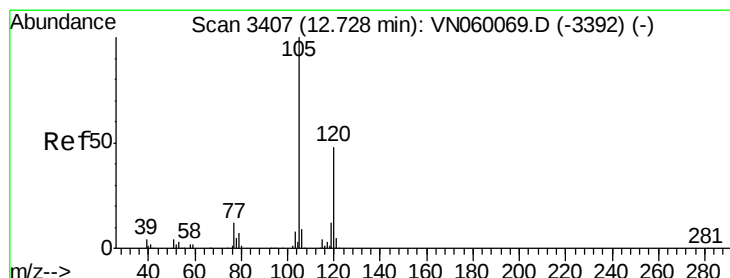
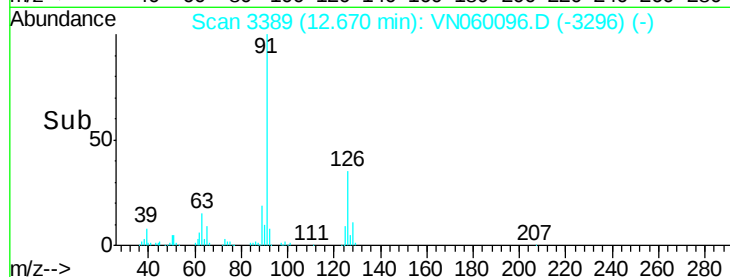
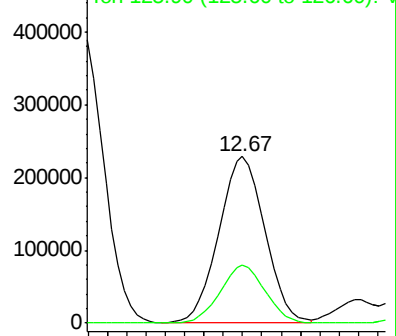
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Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.585 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060096.D

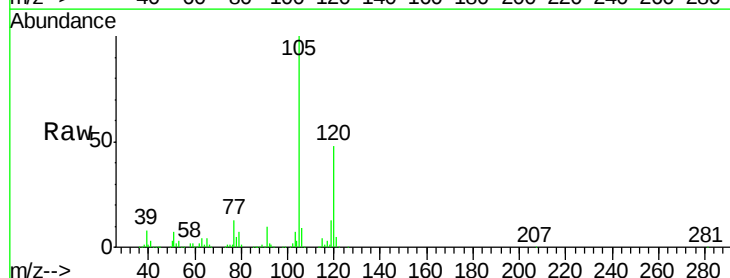
Acq: 13 Feb 2020 16:05

Tgt Ion: 105 Resp: 477190

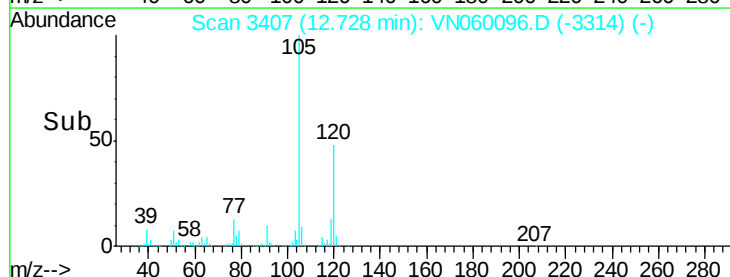
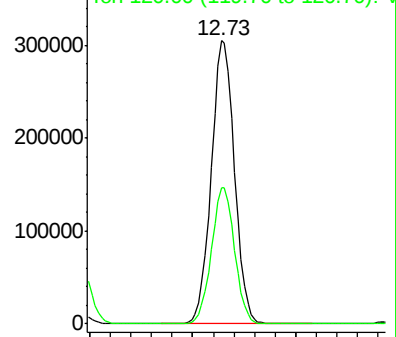
Ion Ratio Lower Upper

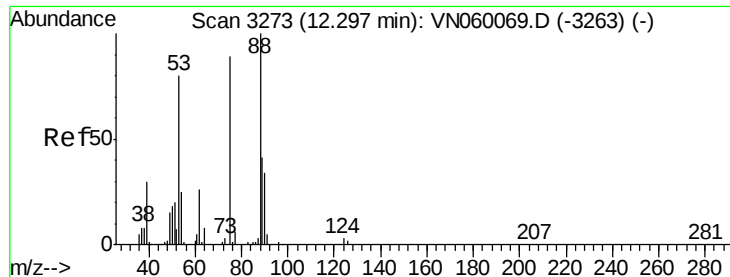
105 100

120 48.1 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)





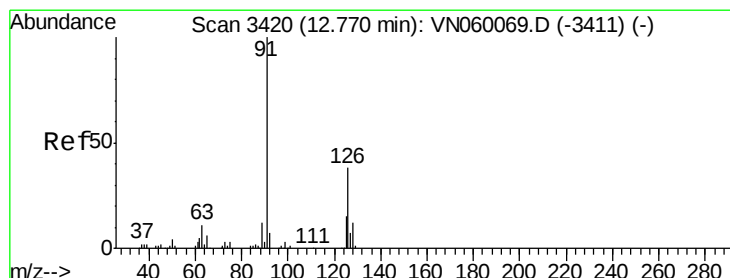
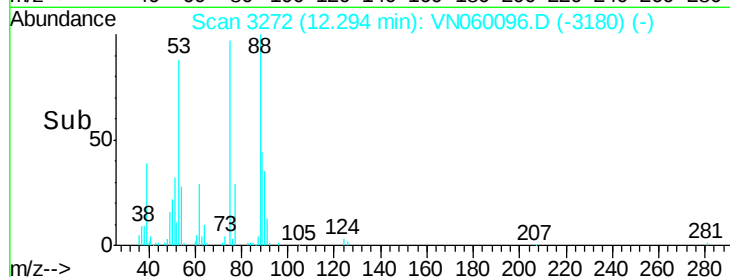
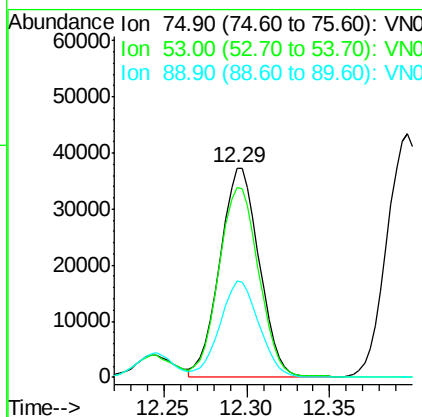
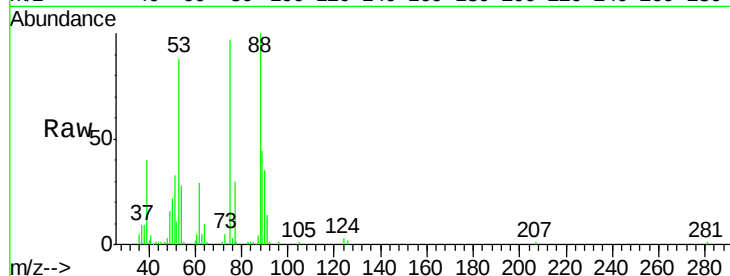
#81
trans-1,4-Dichloro-2-butene
Concen: 52.186 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.0	73.9	110.9
89	45.5	37.0	55.4

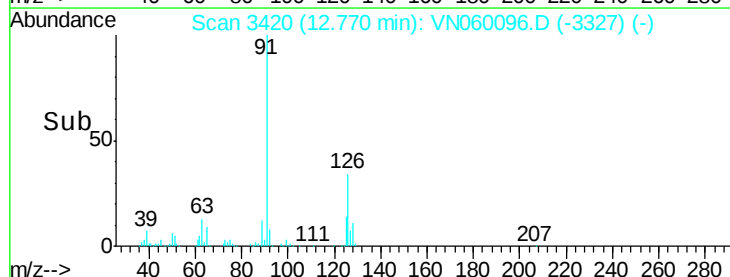
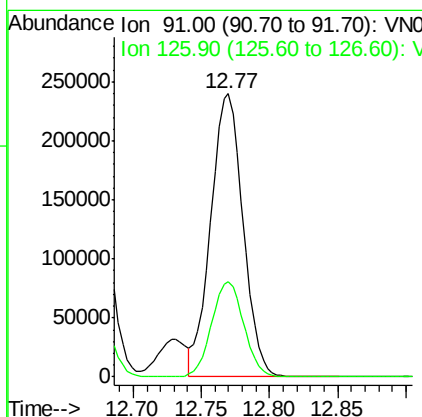
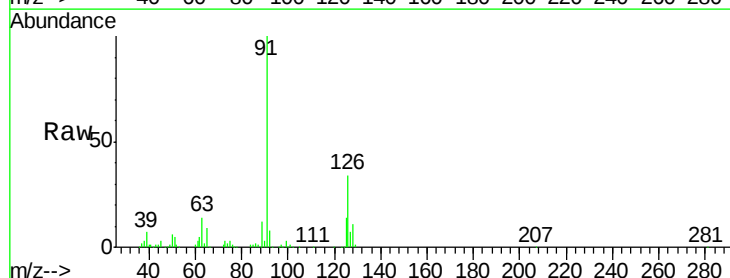
Manual Integrations
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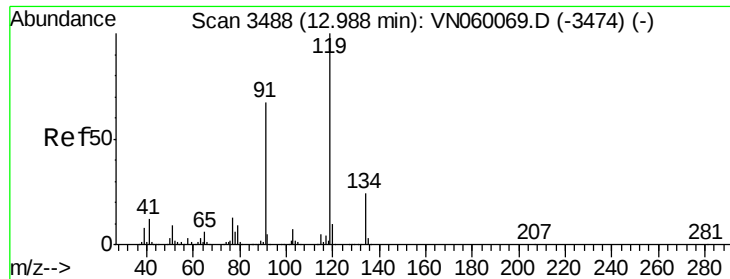
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#82
4-Chlorotoluene
Concen: 50.500 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.1	51.3





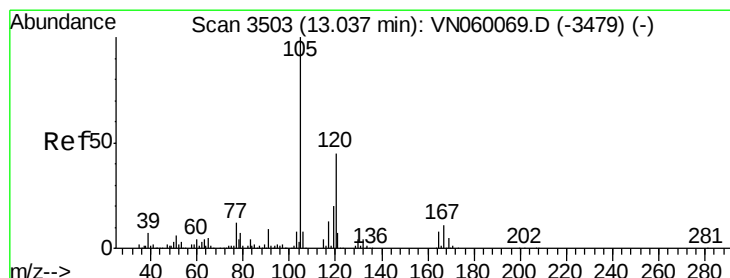
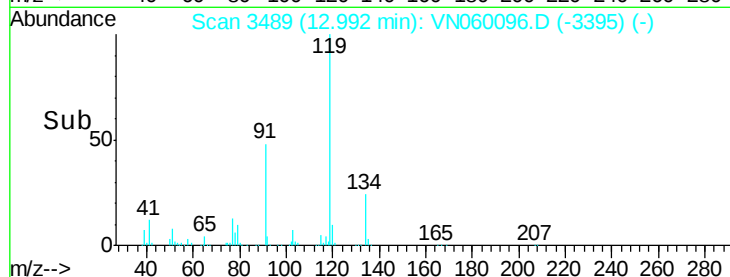
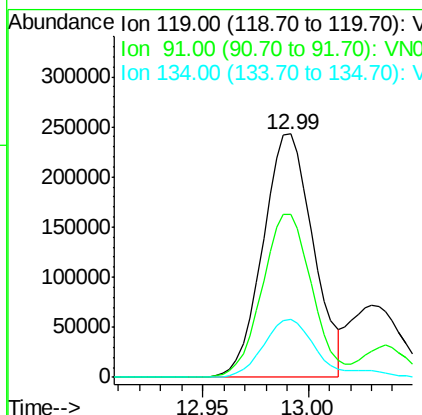
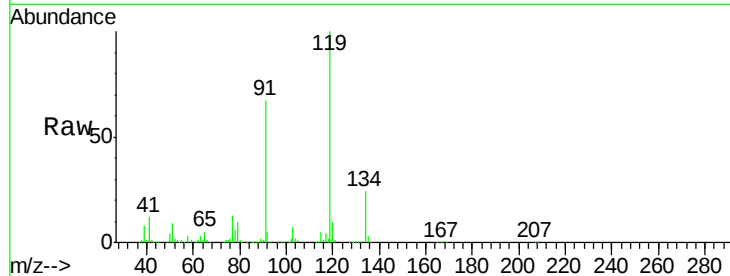
#83
 tert-Butylbenzene
 Concen: 48.225 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060096.D
 Acq: 13 Feb 2020 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.7	98.1
134	25.9	12.9	38.7

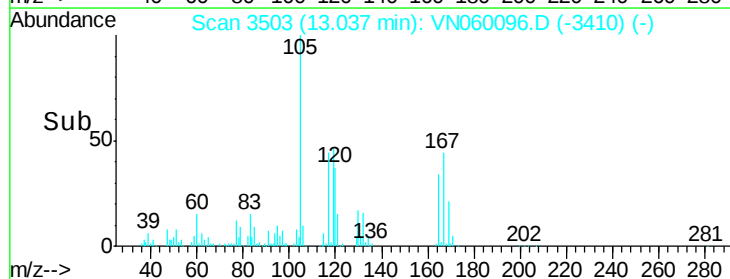
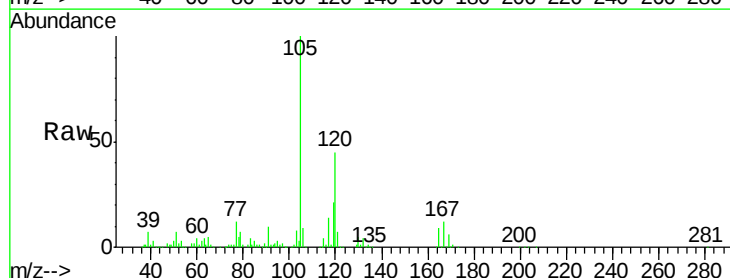
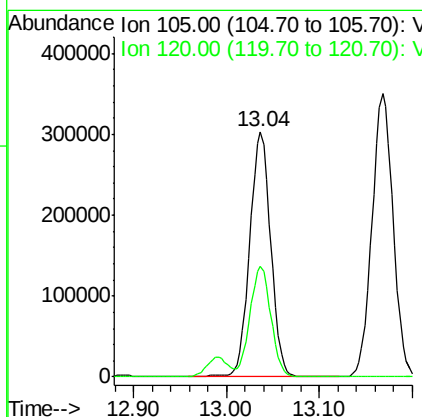
Manual Integrations
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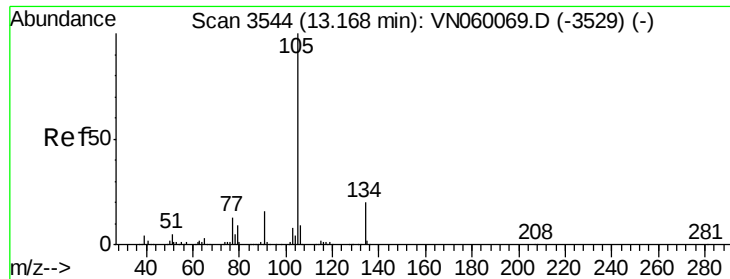
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.109 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN060096.D
 Acq: 13 Feb 2020 16:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.4	67.3





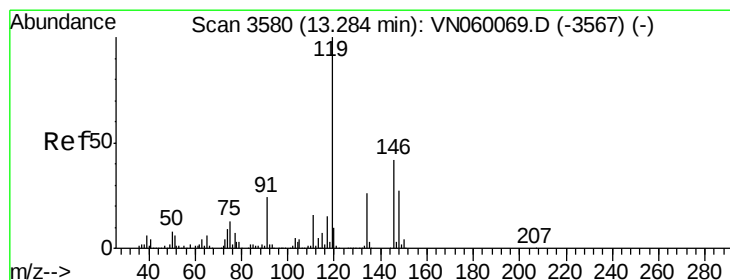
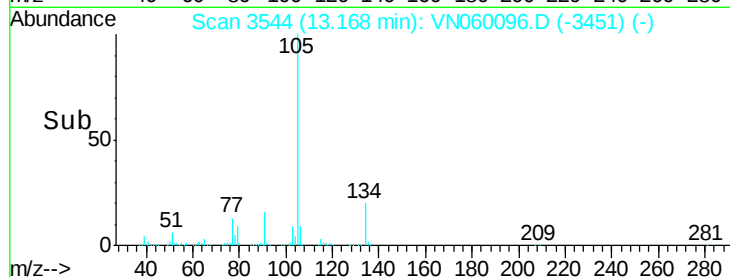
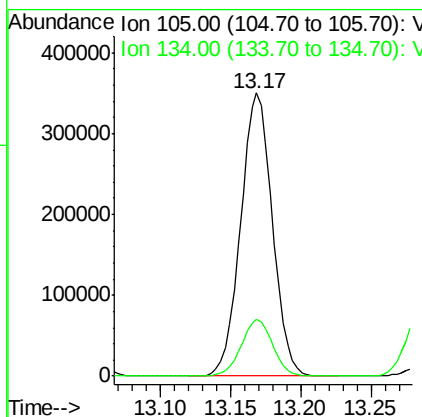
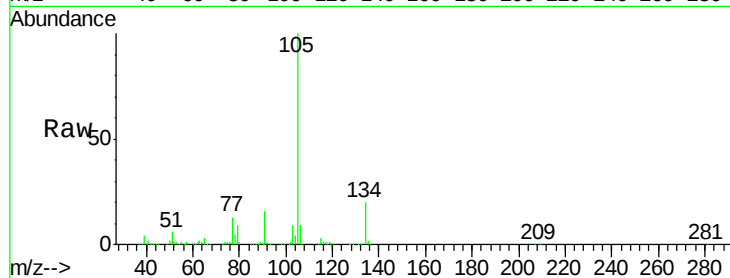
#85
sec-Butylbenzene
Concen: 49.885 ug/l
RT: 13.17 min Scan# 3544
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	551315		
134	19.9	9.9	29.7	

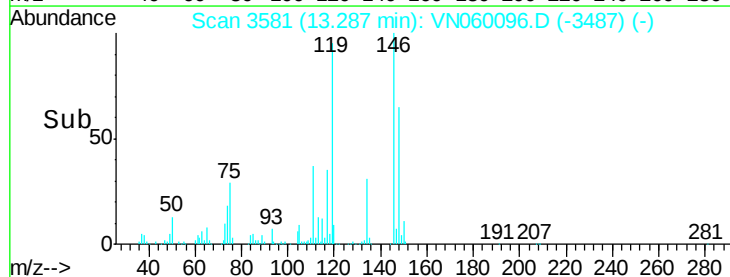
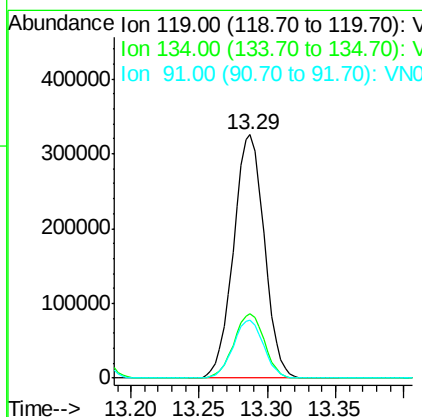
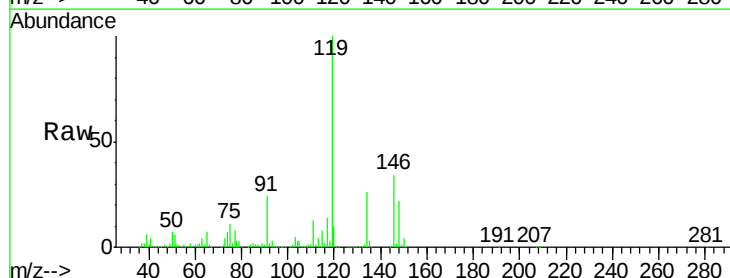
Manual Integrations
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#86
p-Isopropyltoluene
Concen: 50.774 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	508410		
134	26.2	13.3	39.8	
91	23.8	11.9	35.9	





#87

1,3-Dichlorobenzene

Concen: 50.798 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Instrument :

MSVOA_N

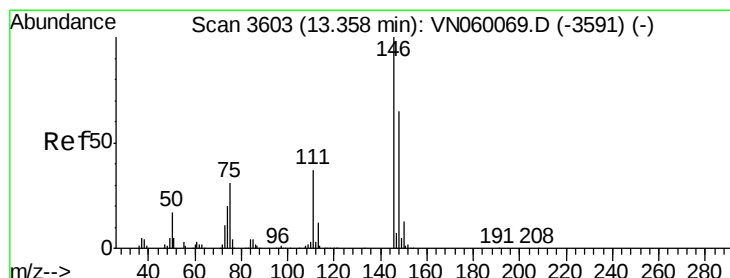
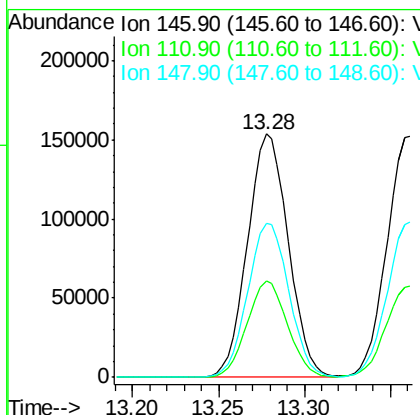
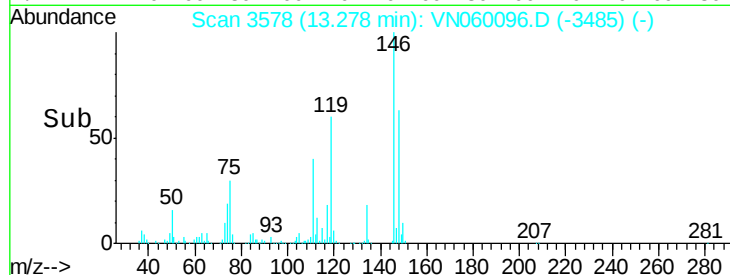
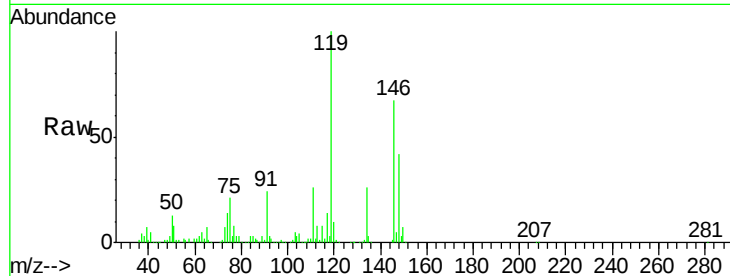
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	253176
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.8	59.3
148	63.9	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.568 ug/l

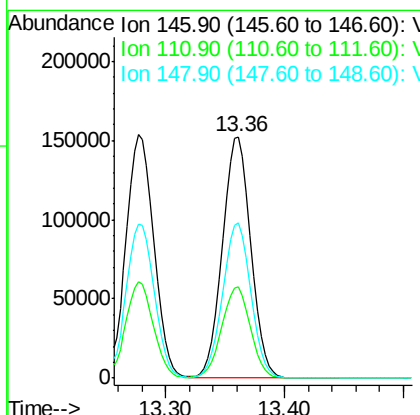
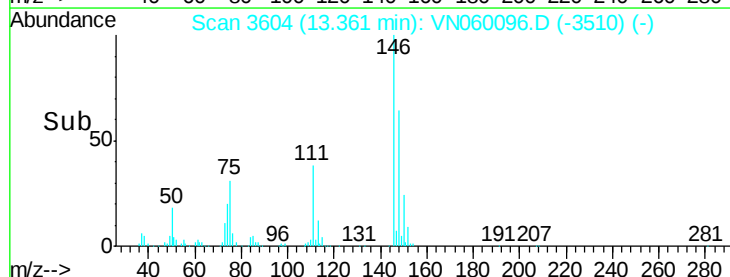
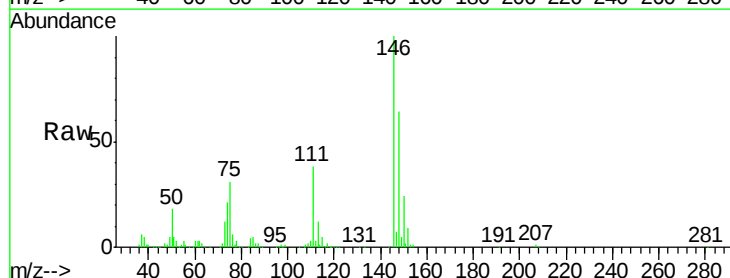
RT: 13.36 min Scan# 3604

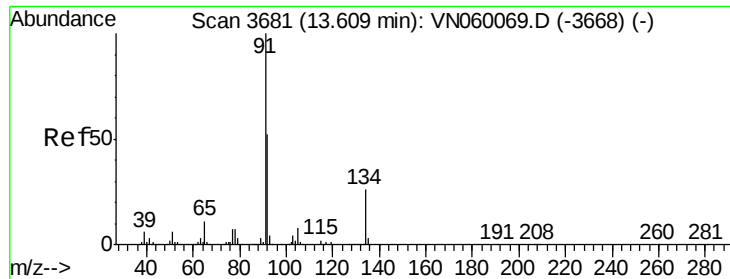
Delta R.T. 0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Tgt Ion:	146	Resp:	251980
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.9	56.5
148	64.0	32.0	96.0





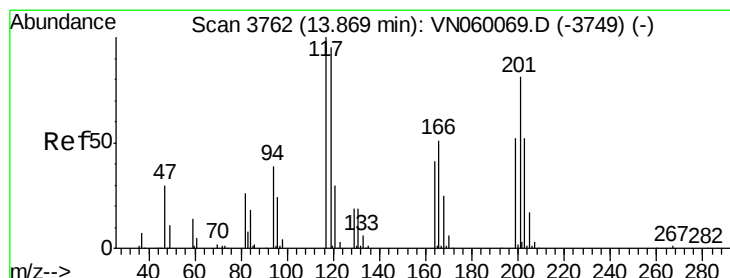
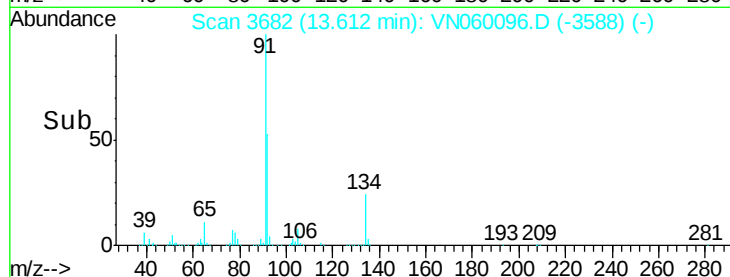
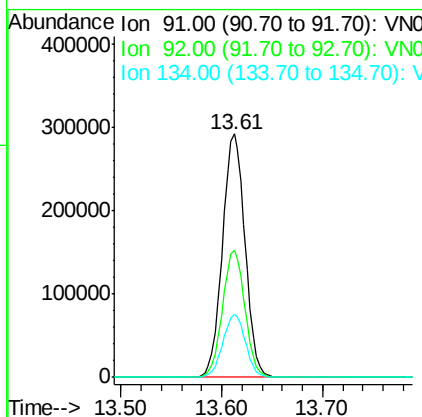
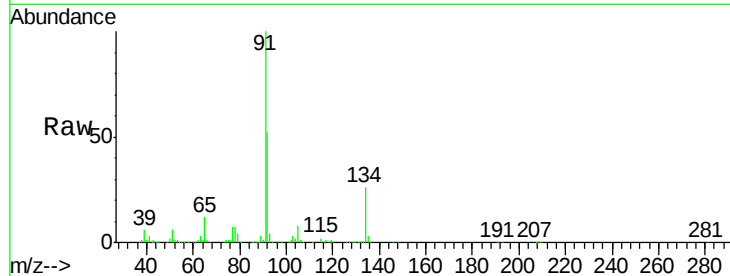
#89
n-Butylbenzene
Concen: 51.851 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.1	78.2
134	25.9	13.1	39.3

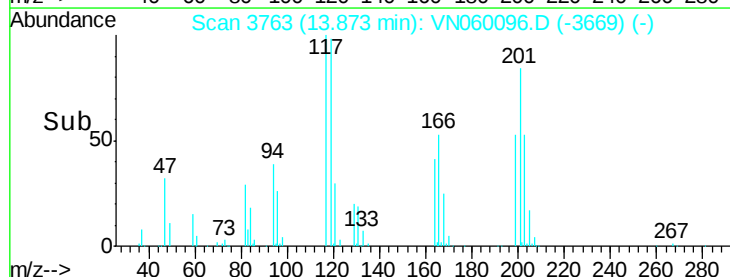
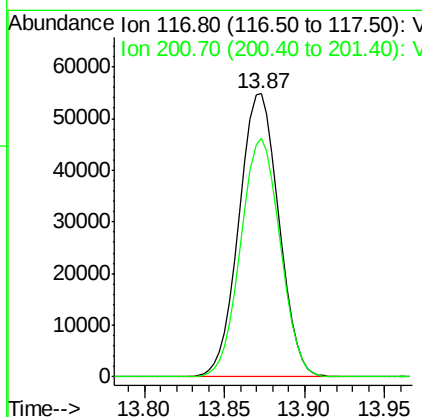
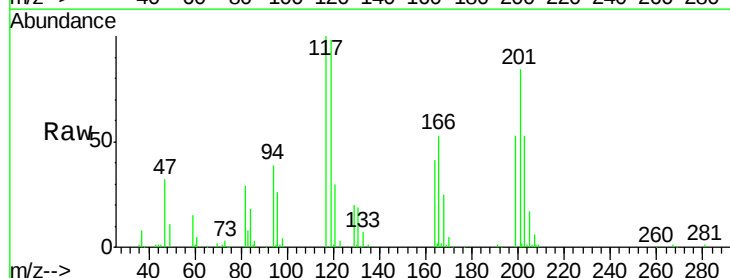
Manual Integrations
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#90
Hexachloroethane
Concen: 49.858 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.3	41.7	125.1





#91

1,2-Dichlorobenzene

Concen: 50.281 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Instrument :

MSVOA_N

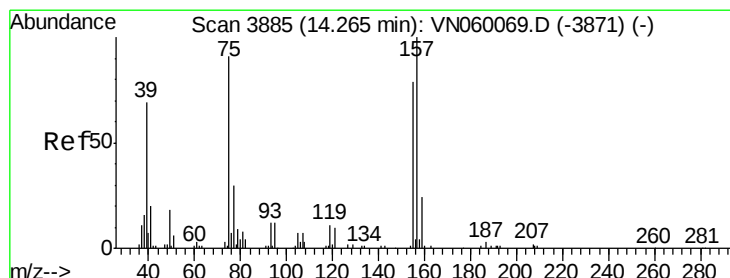
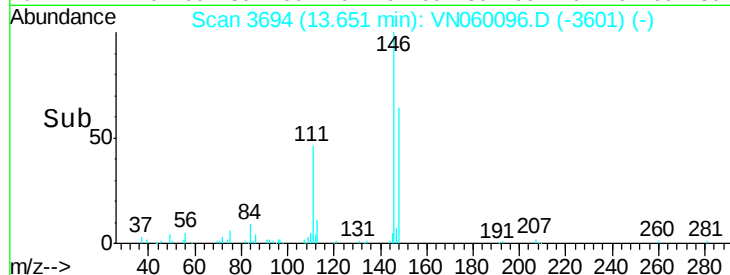
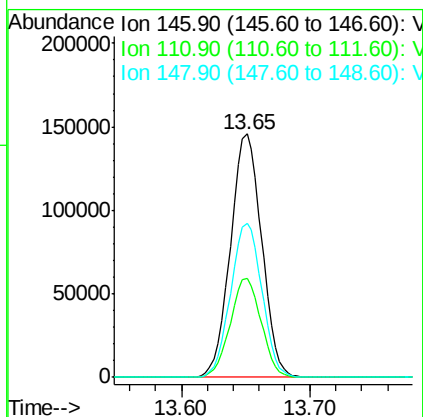
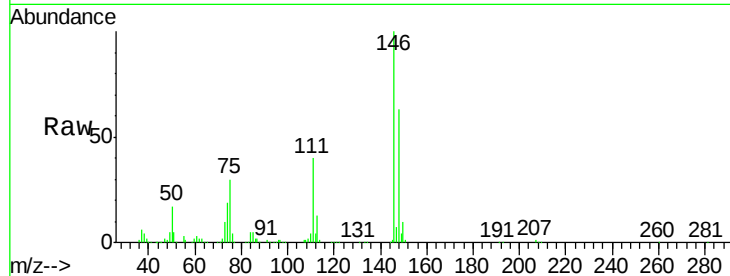
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	245250
Ion Ratio		Lower	Upper
146	100		
111	40.2	20.1	60.2
148	63.6	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
2/14/2020 10:27:31 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.854 ug/l

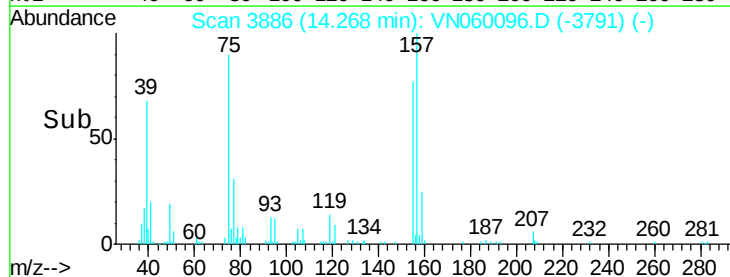
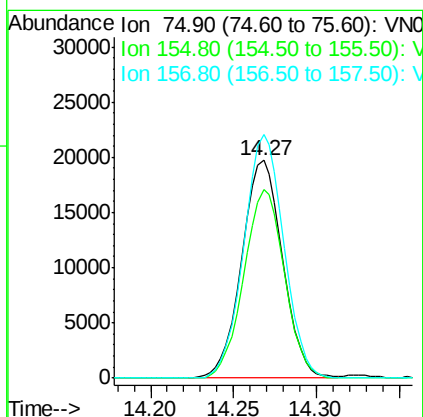
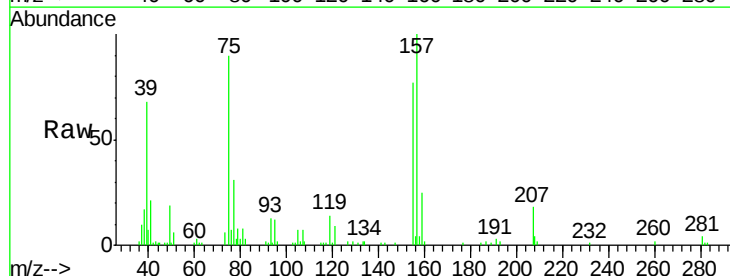
RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060096.D

Acq: 13 Feb 2020 16:05

Tgt Ion:	75	Resp:	33935
Ion Ratio		Lower	Upper
75	100		
155	85.7	43.0	129.0
157	109.3	54.9	164.5





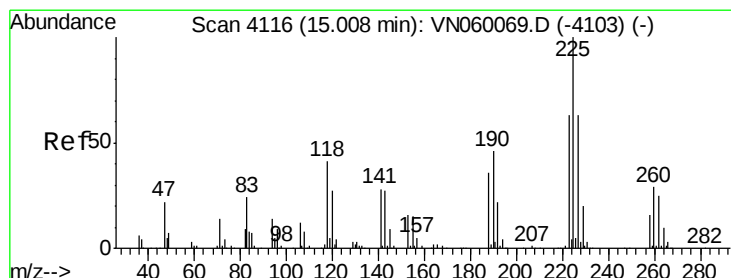
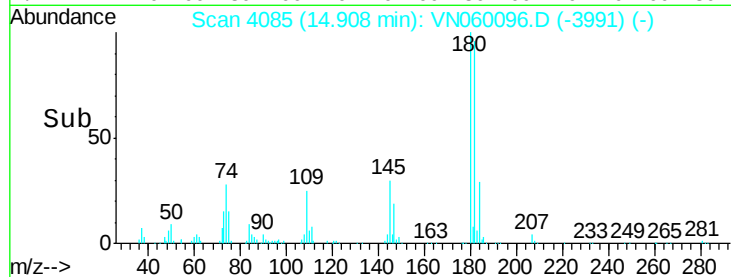
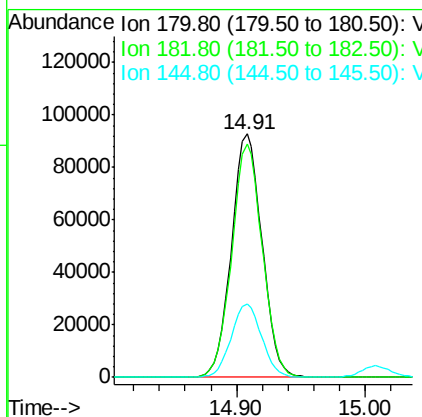
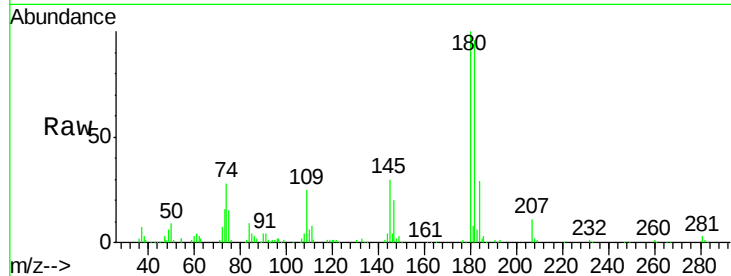
#93
1,2,4-Trichlorobenzene
Concen: 53.192 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	152445		
182	95.7	47.9	143.8	
145	30.1	15.2	45.5	

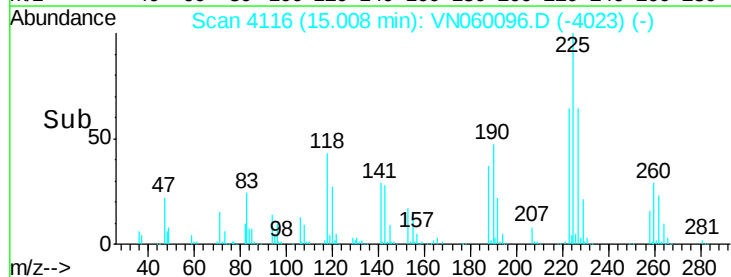
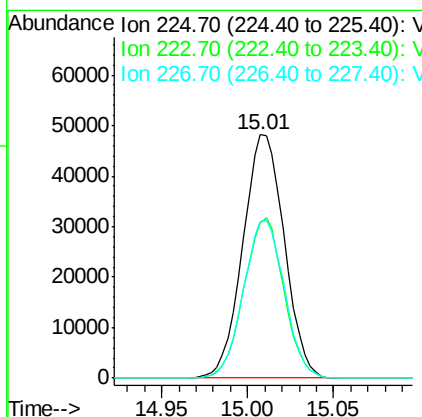
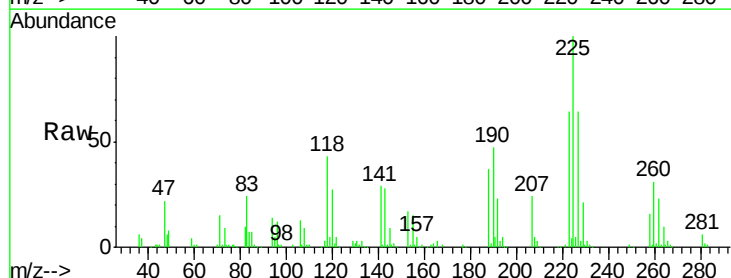
Manual Integrations
APPROVED

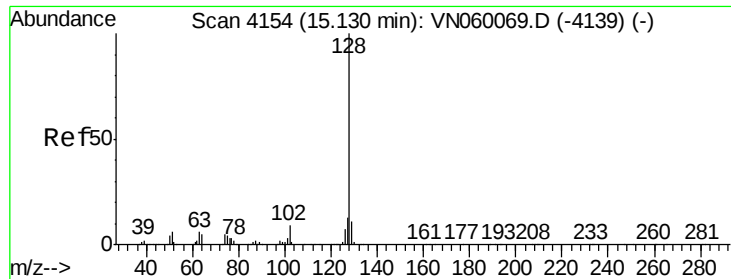
MMDadoda
2/14/2020 10:27:31 AM



#94
Hexachlorobutadiene
Concen: 48.131 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80754		
223	63.1	31.5	94.5	
227	63.9	31.8	95.4	





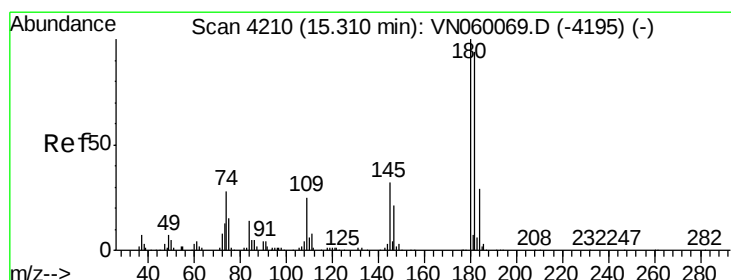
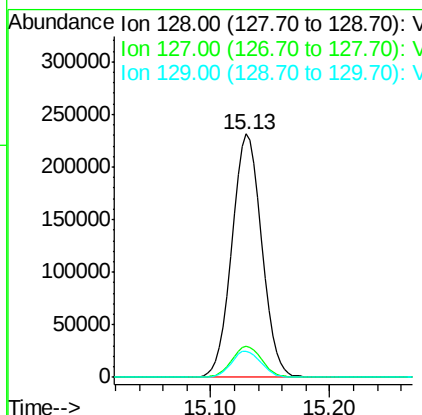
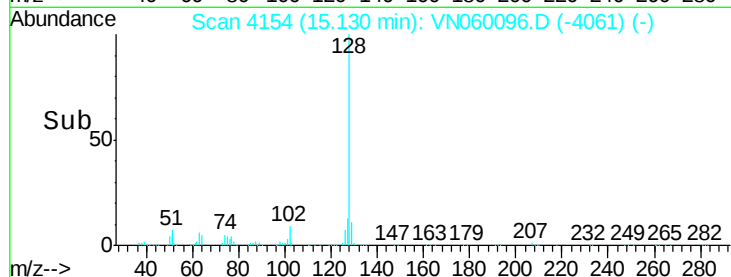
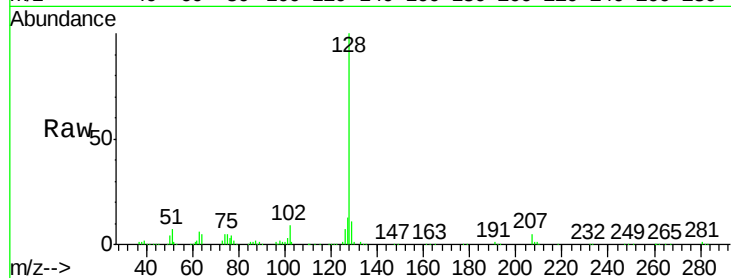
#95
Naphthalene
Concen: 51.882 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/14/2020 10:27:31 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.779 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060096.D
Acq: 13 Feb 2020 16:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.5
145	32.0	16.1	48.3

