

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031320\
 Data File : VN060488.D
 Acq On : 13 Mar 2020 9:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 2:04:44 PM

Quant Time: Mar 16 04:38:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	327412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	304035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150258	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	125442	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
35) Dibromofluoromethane	7.56	113	94341	62.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.16%	
50) Toluene-d8	10.08	98	370914	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.40	95	143375	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	74206	40.295	ug/l	99
3) Chloromethane	2.04	50	136955	42.715	ug/l	99
4) Vinyl Chloride	2.16	62	109926	39.977	ug/l	100
5) Bromomethane	2.54	94	48160	43.185	ug/l	100
6) Chloroethane	2.68	64	65919	44.246	ug/l	97
7) Trichlorofluoromethane	3.00	101	154344	43.933	ug/l	100
8) Diethyl Ether	3.38	74	62659	47.238	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	93227	46.889	ug/l	99
10) Methyl Iodide	3.93	142	65013	35.828	ug/l	100
11) Tert butyl alcohol	4.72	59	92851	242.645	ug/l	100
12) 1,1-Dichloroethene	3.71	96	89489	46.369	ug/l	100
13) Acrolein	3.57	56	102403	286.851	ug/l	99
14) Allyl chloride	4.29	41	161582	45.414	ug/l	96
15) Acrylonitrile	4.94	53	273385	271.047	ug/l	99
16) Acetone	3.78	43	274319	329.625	ug/l	100
17) Carbon Disulfide	4.03	76	212939	41.462	ug/l	99
18) Methyl Acetate	4.28	43	144666	52.090	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	350809	50.071	ug/l	98
20) Methylene Chloride	4.52	84	105759	46.273	ug/l	95
21) trans-1,2-Dichloroethene	5.00	96	98057	47.272	ug/l	100
22) Diisopropyl ether	5.91	45	377899	52.435	ug/l	98
23) Vinyl Acetate	5.86	43	1513986	264.362	ug/l	99
24) 1,1-Dichloroethane	5.81	63	203395	49.856	ug/l	99
25) 2-Butanone	6.80	43	401296	298.533	ug/l	99
26) 2,2-Dichloropropane	6.79	77	183956	49.530	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	120711	45.548	ug/l	98
28) Bromochloromethane	7.17	49	80256	47.914	ug/l	95
29) Tetrahydrofuran	7.18	42	246251	263.442	ug/l	97
30) Chloroform	7.34	83	202571	49.880	ug/l	99
31) Cyclohexane	7.63	56	167667	48.110	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	175177	48.684	ug/l	99
36) 1,1-Dichloropropene	7.77	75	145981	46.783	ug/l	99
37) Ethyl Acetate	6.89	43	157386	53.268	ug/l	99
38) Carbon Tetrachloride	7.75	117	140245	46.162	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	163153	44.346	ug/l	97
40) Benzene	8.02	78	443555	48.838	ug/l	100
41) Methacrylonitrile	7.15	41	76154m	55.821	ug/l	
42) 1,2-Dichloroethane	8.10	62	161709	49.341	ug/l	99
43) Isopropyl Acetate	8.14	43	274770	53.120	ug/l	99
44) Trichloroethene	8.82	130	116258	45.962	ug/l	99
45) 1,2-Dichloropropane	9.10	63	124069	52.250	ug/l	99
46) Dibromomethane	9.19	93	75631	49.087	ug/l	99
47) Bromodichloromethane	9.38	83	163037	52.028	ug/l	100
48) Methyl methacrylate	9.18	41	121412	51.473	ug/l	98
49) 1,4-Dioxane	9.18	88	32396	976.648	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	801167	273.179	ug/l	100
52) Toluene	10.14	92	274339	48.087	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	189630	49.386	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	199396	50.115	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	113318	49.392	ug/l	97
56) Ethyl methacrylate	10.42	69	177660	53.901	ug/l	97
57) 1,3-Dichloropropane	10.70	76	194722	52.044	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	459285	266.430	ug/l	98
59) 2-Hexanone	10.74	43	605355	281.128	ug/l	100
60) Dibromochloromethane	10.89	129	122265	52.403	ug/l	99
61) 1,2-Dibromoethane	10.99	107	112901	50.481	ug/l	100
64) Tetrachloroethene	10.62	164	110422	46.015	ug/l	99
65) Chlorobenzene	11.43	112	291568	47.493	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	111472	49.108	ug/l	98
67) Ethyl Benzene	11.50	91	543757	48.636	ug/l	99
68) m/p-Xylenes	11.61	106	403925	95.759	ug/l	100
69) o-Xylene	11.94	106	196501	48.852	ug/l	99
70) Styrene	11.96	104	330045	49.906	ug/l	100
71) Bromoform	12.12	173	89204	54.527	ug/l #	100
73) Isopropylbenzene	12.24	105	530760	47.658	ug/l	99
74) N-amyl acetate	12.06	43	246312	50.613	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	164493	54.336	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	146788m	44.526	ug/l	
77) Bromobenzene	12.52	156	128411	47.038	ug/l	96
78) n-propylbenzene	12.59	91	631701	48.389	ug/l	99
79) 2-Chlorotoluene	12.67	91	369897	48.203	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	448892	47.873	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	62887	52.658	ug/l #	85
82) 4-Chlorotoluene	12.77	91	384037	47.501	ug/l	99
83) tert-Butylbenzene	12.99	119	381139	46.947	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	453570	47.924	ug/l	100
85) sec-Butylbenzene	13.17	105	519220	47.760	ug/l	99
86) p-Isopropyltoluene	13.28	119	469055	46.616	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	234269	49.941	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	234612	50.301	ug/l	99
89) n-Butylbenzene	13.61	91	432715	46.846	ug/l	99
90) Hexachloroethane	13.87	117	68624	47.117	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	223793	46.784	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32365	47.210	ug/l	100

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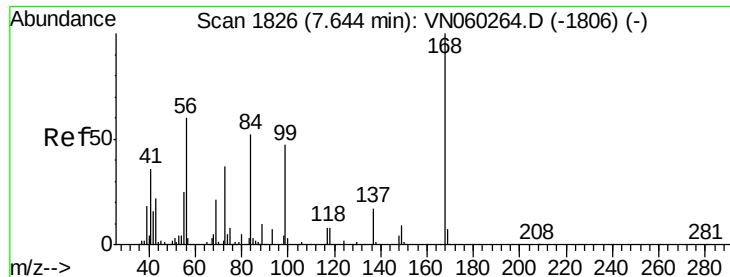
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	144811	47.646	ug/l	99
94) Hexachlorobutadiene	15.01	225	70057	50.141	ug/l	98
95) Naphthalene	15.13	128	413669	46.184	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	135184	47.215	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 200861

Ion Ratio Lower Upper

168 100

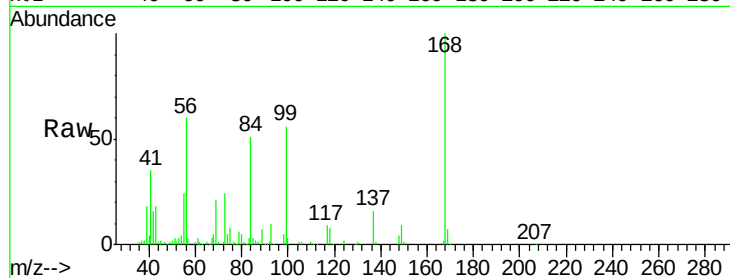
99 56.0 44.7 67.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

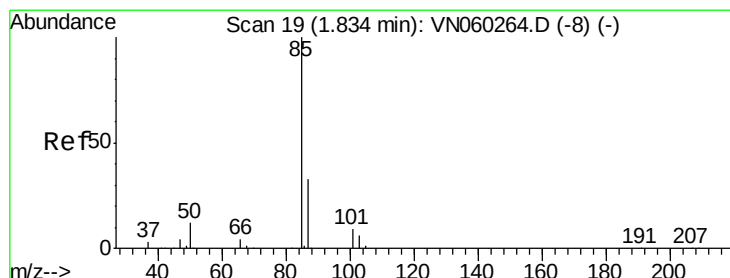
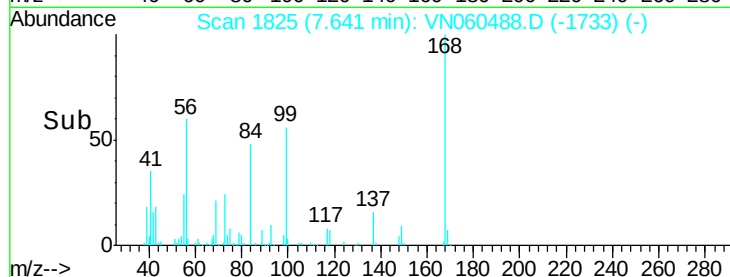
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 40.295 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060488.D

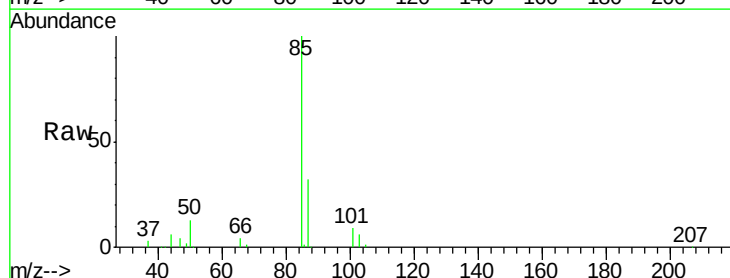
Acq: 13 Mar 2020 9:06

Tgt Ion: 85 Resp: 74206

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

50000

40000

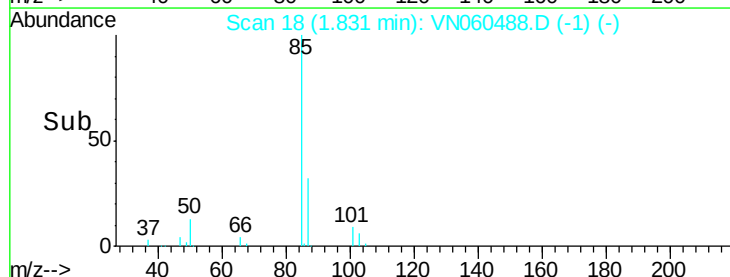
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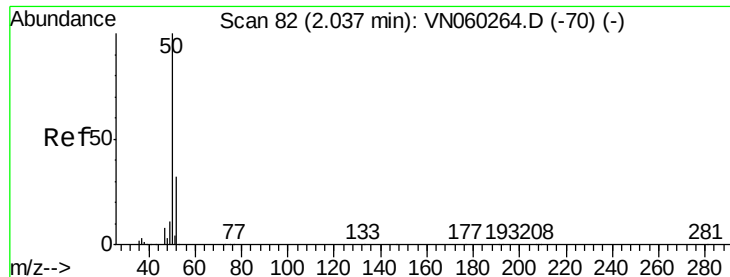
20000

10000

0

Time-->





#3

Chloromethane

Concen: 42.715 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 136955

Ion Ratio Lower Upper

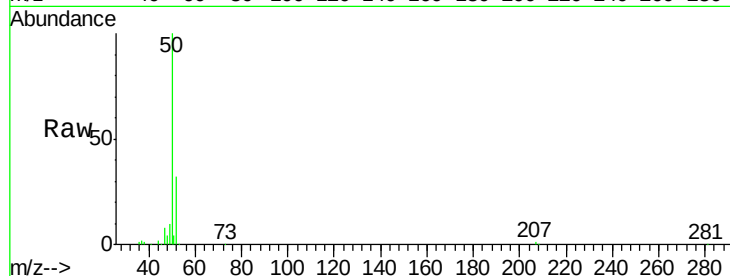
50 100

52 32.3 25.6 38.4

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Abundance Ion 49.90 (49.60 to 50.60): VN060488.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN060488.D (-1) (-)

2.04

120000

100000

80000

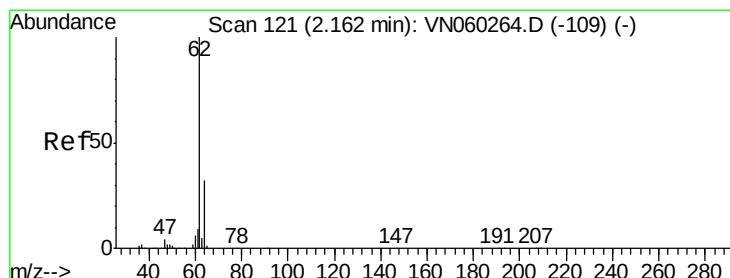
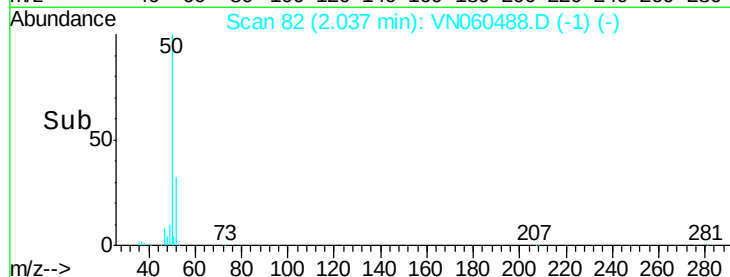
60000

40000

20000

0

Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 39.977 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060488.D

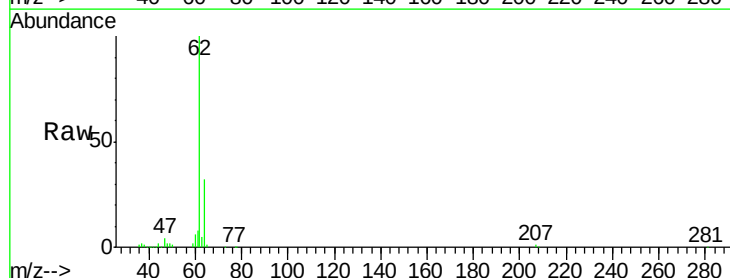
Acq: 13 Mar 2020 9:06

Tgt Ion: 62 Resp: 109926

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN060488.D (-28) (-)

Ion 63.90 (63.60 to 64.60): VN060488.D (-28) (-)

2.16

80000

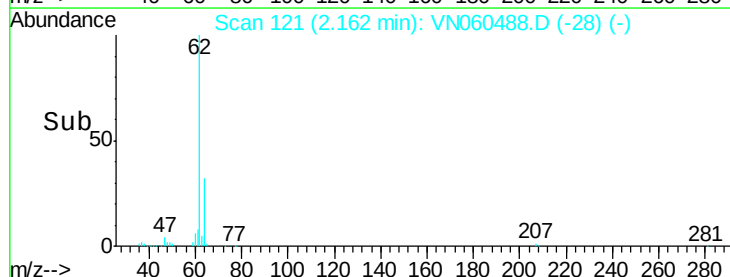
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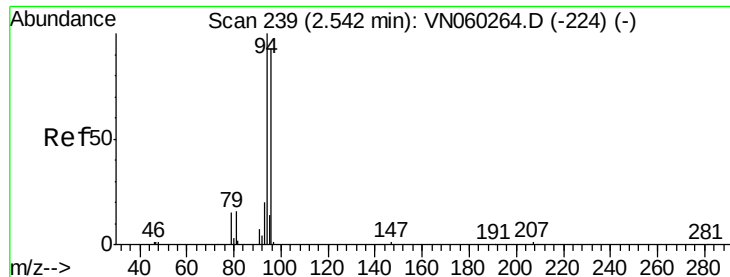
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 43.185 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 48160

Ion Ratio Lower Upper

94 100

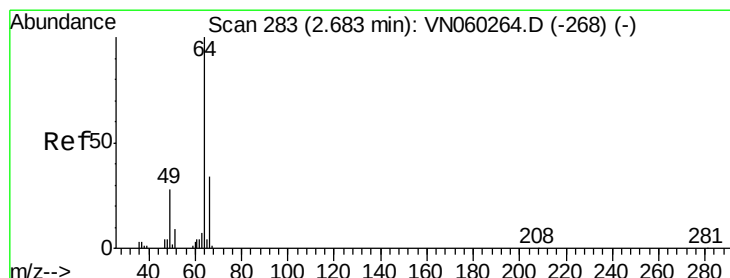
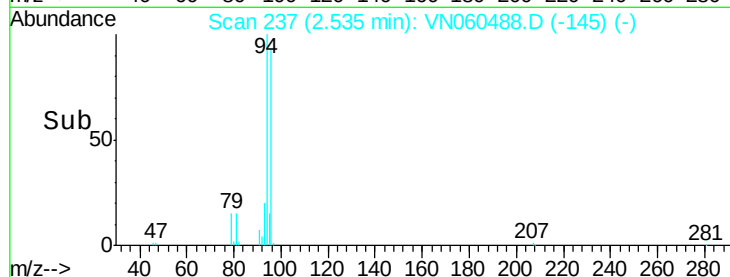
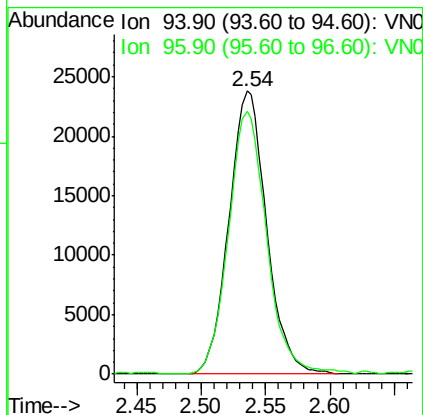
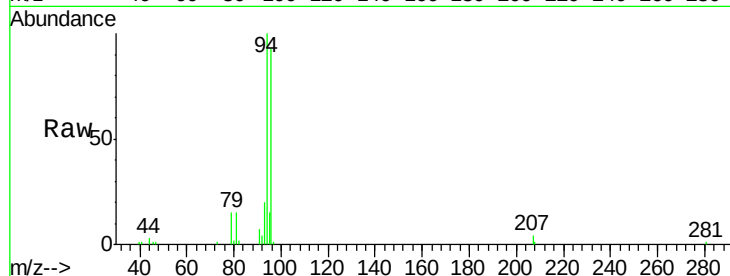
96 93.0 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 44.246 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060488.D

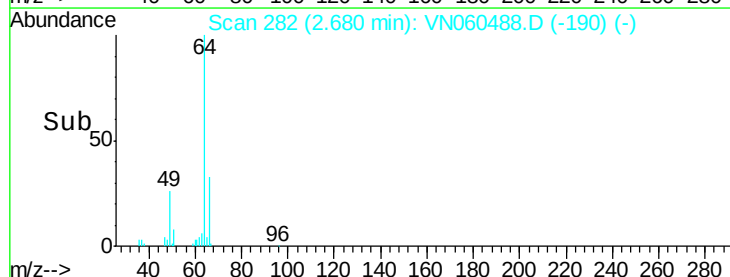
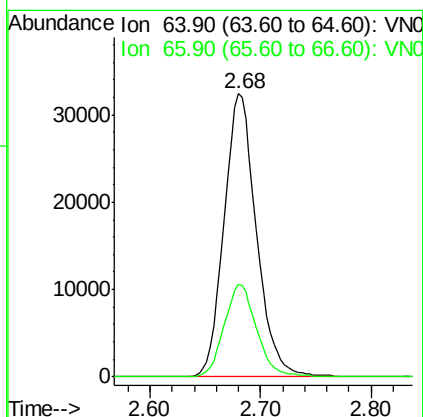
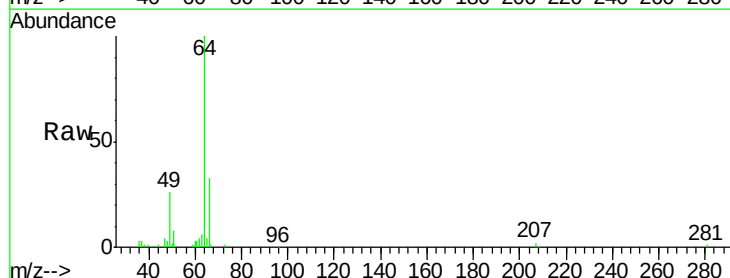
Acq: 13 Mar 2020 9:06

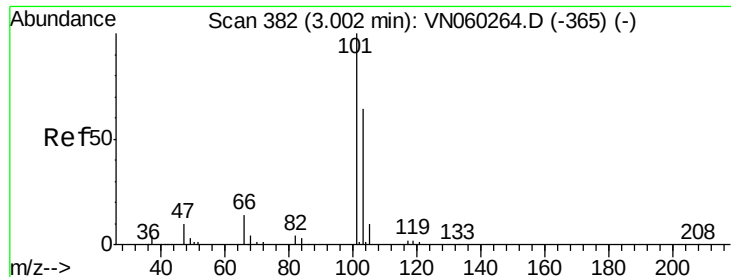
Tgt Ion: 64 Resp: 65919

Ion Ratio Lower Upper

64 100

66 32.5 27.4 41.2





#7

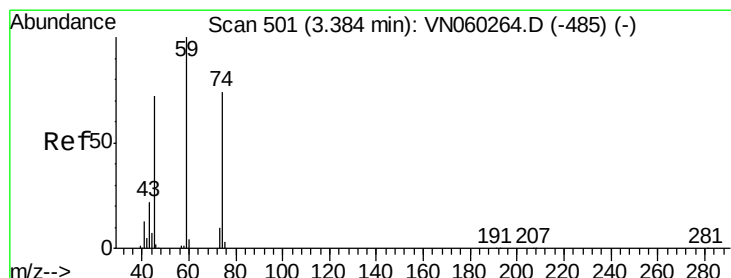
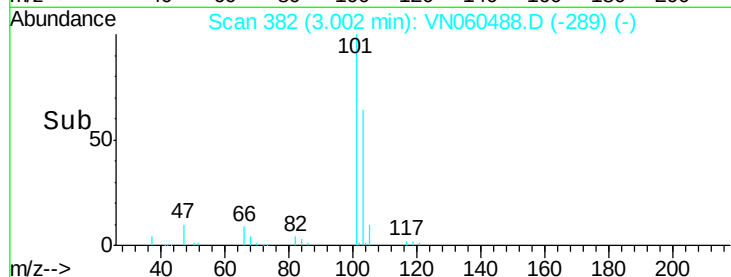
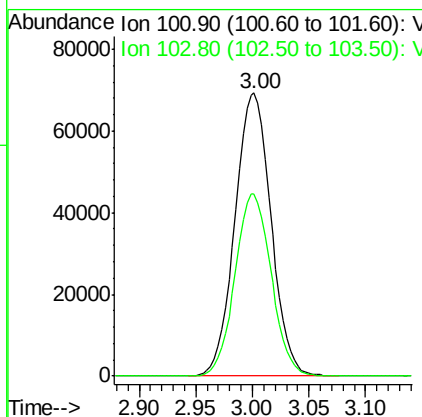
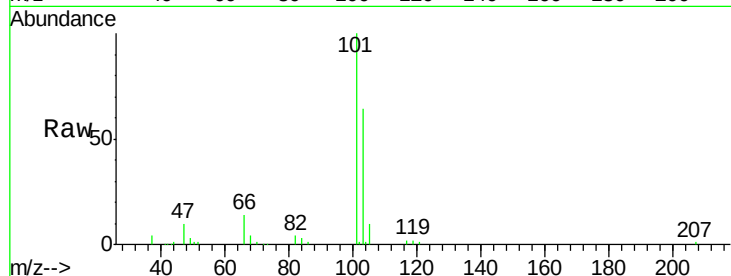
Trichlorofluoromethane
Concen: 43.933 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.3	76.9

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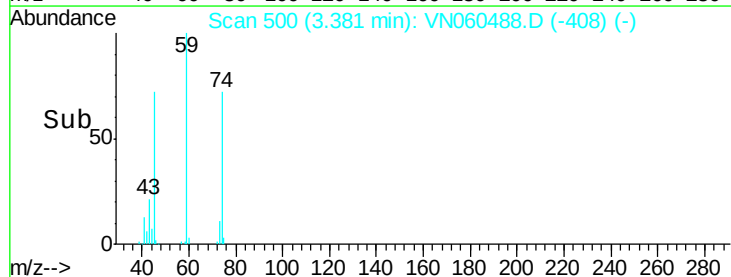
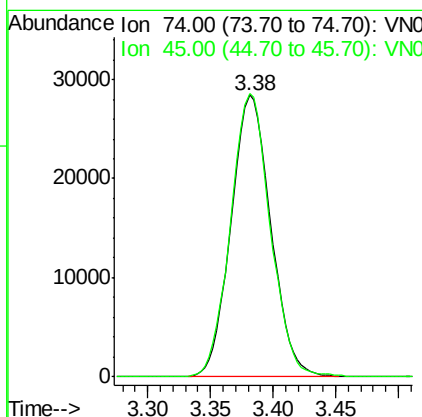
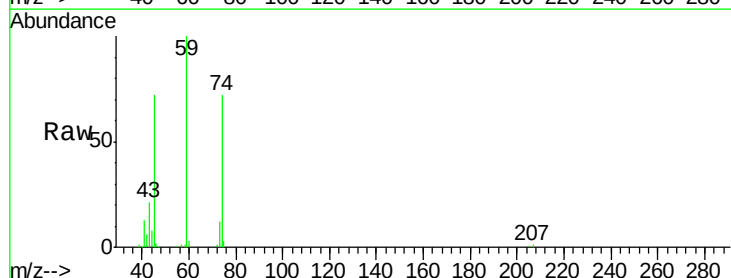
MMDadoda
3/16/2020 2:04:44 PM

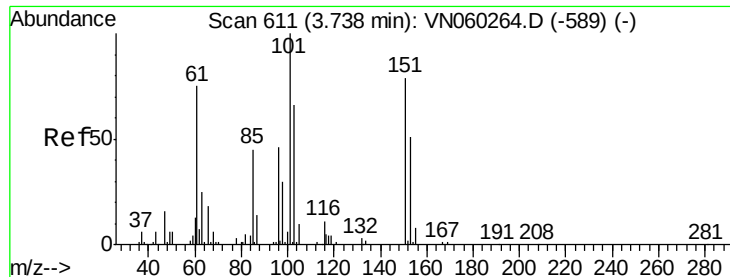


#8

Diethyl Ether
Concen: 47.238 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.7	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.889 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

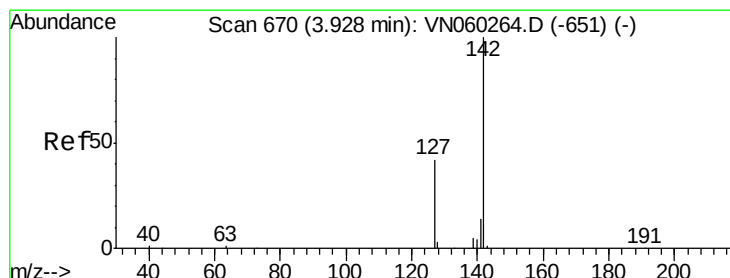
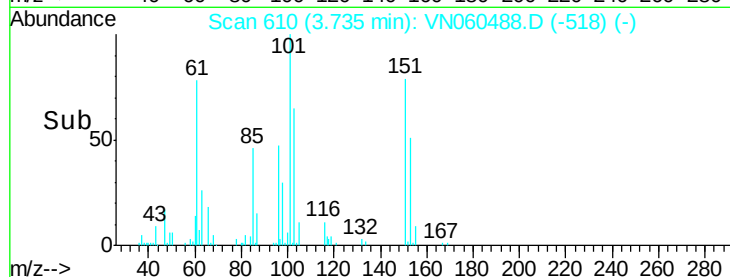
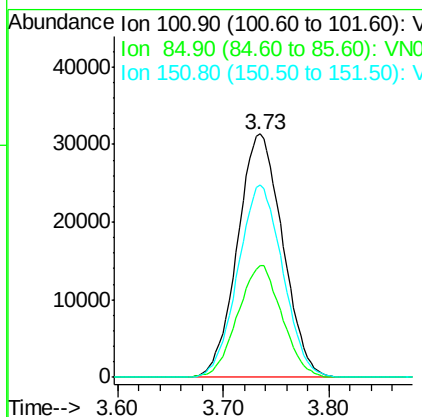
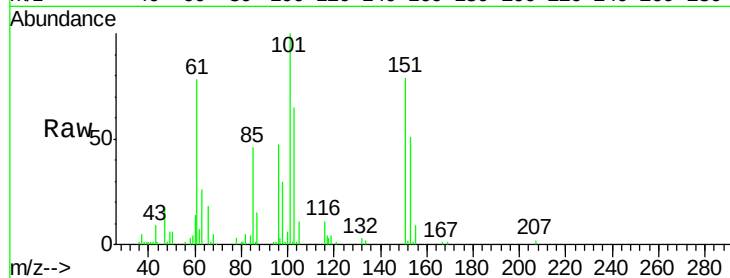
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	93227
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.4	53.2
151	78.7	62.0	93.0

Manual Integrations
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3/16/2020 2:04:44 PM



#10

Methyl Iodide

Concen: 35.828 ug/l

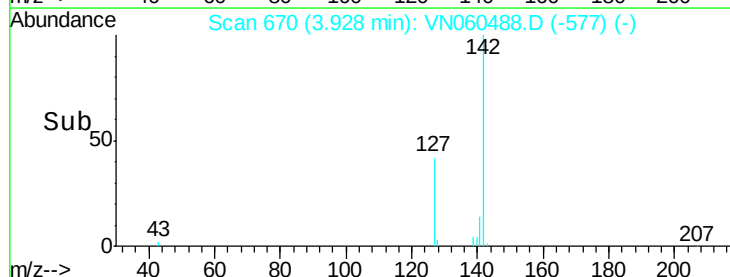
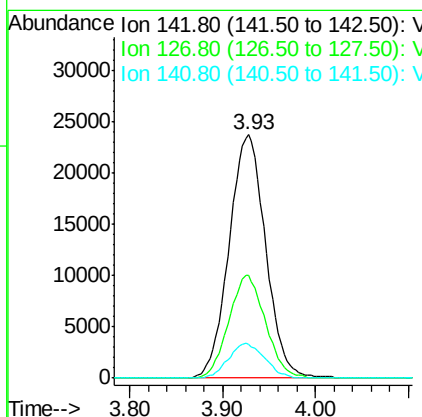
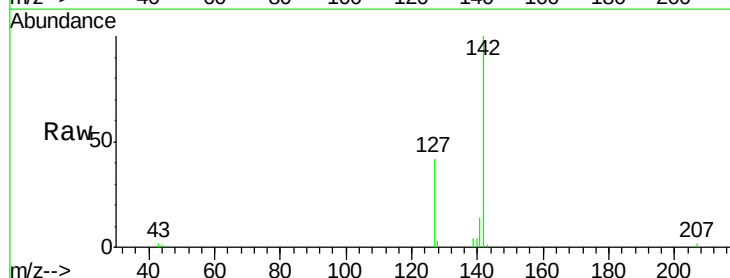
RT: 3.93 min Scan# 670

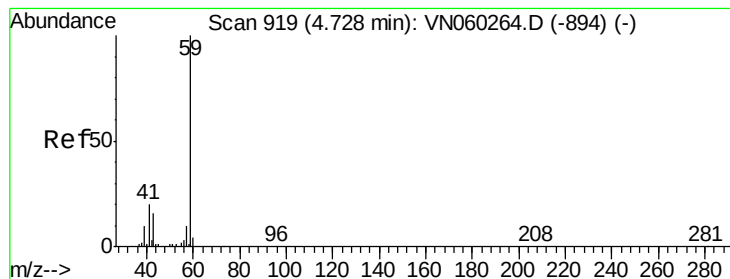
Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Tgt Ion:	142	Resp:	65013
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.8	50.6
141	14.1	11.1	16.7





#11

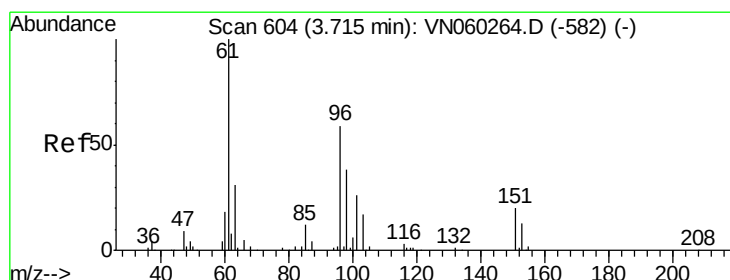
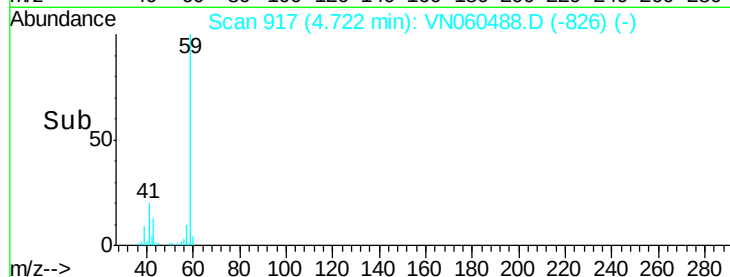
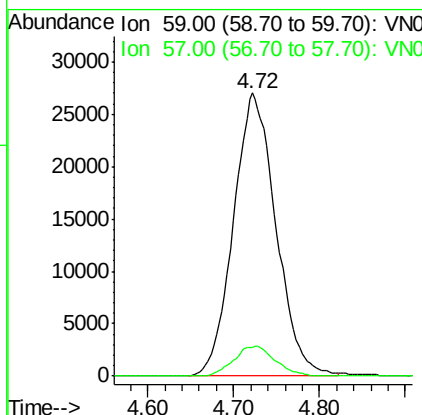
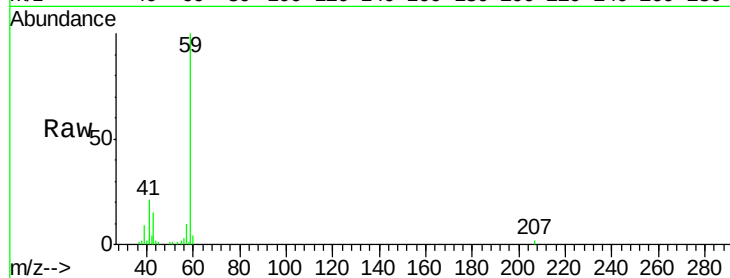
Tert butyl alcohol
 Concen: 242.645 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

Manual Integrations
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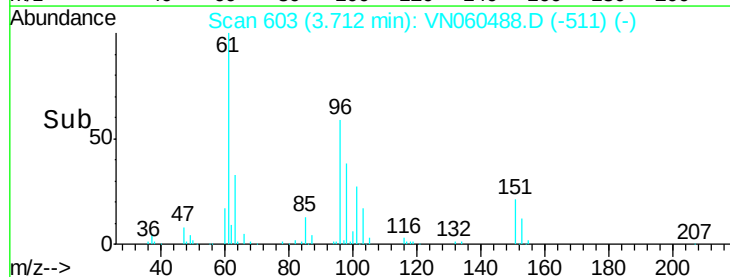
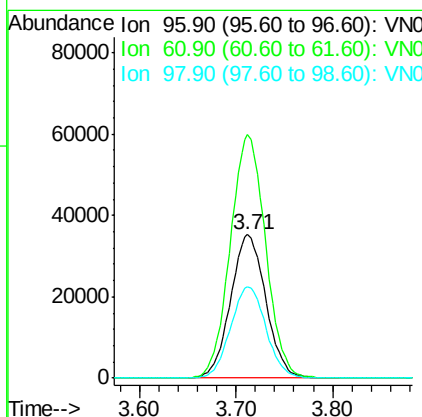
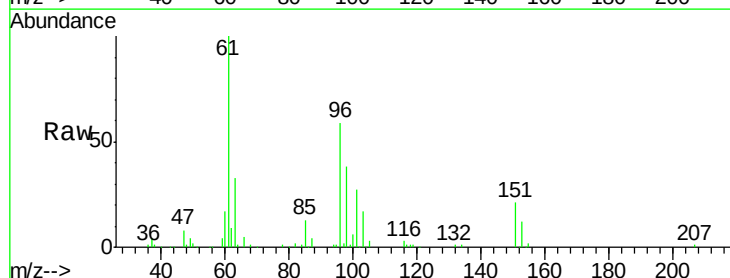
MMDadoda
 3/16/2020 2:04:44 PM

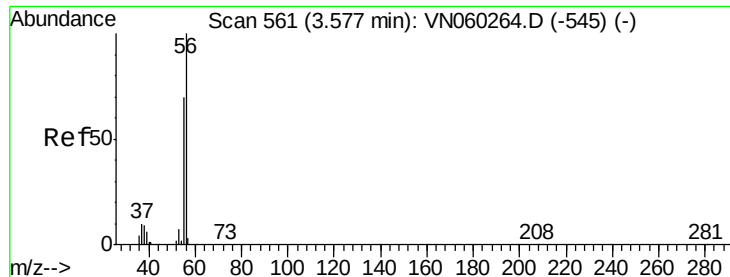


#12

1,1-Dichloroethene
 Concen: 46.369 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.5	135.4	203.0
98	63.9	51.6	77.4





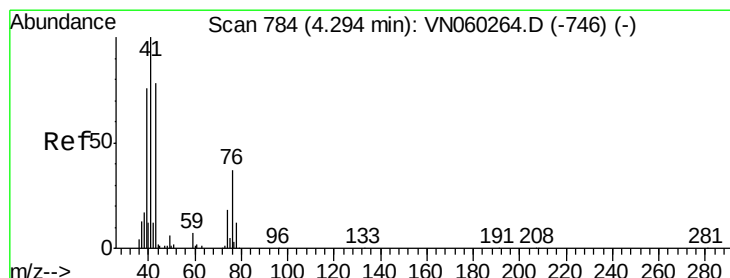
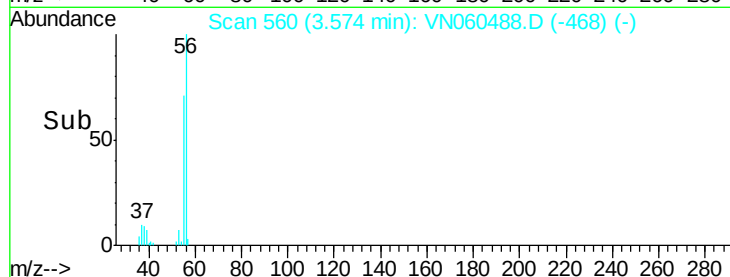
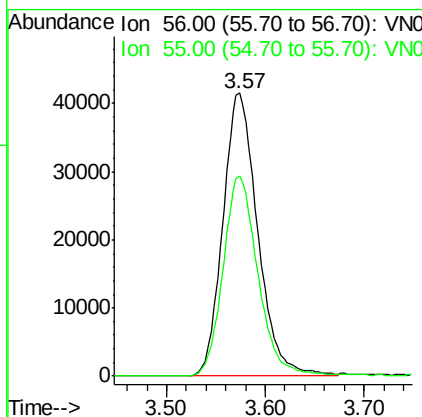
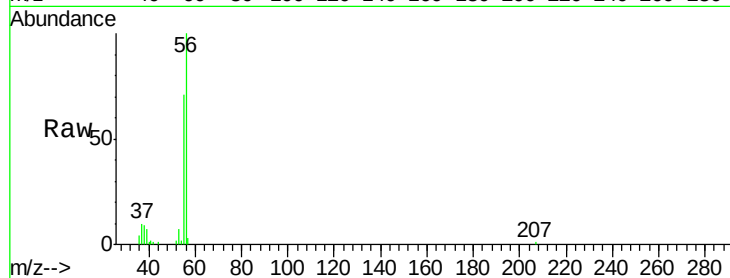
#13
Acrolein
Concen: 286.851 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	102403
Ion Ratio	Lower	Upper	
56	100		
55	70.7	57.4	86.0

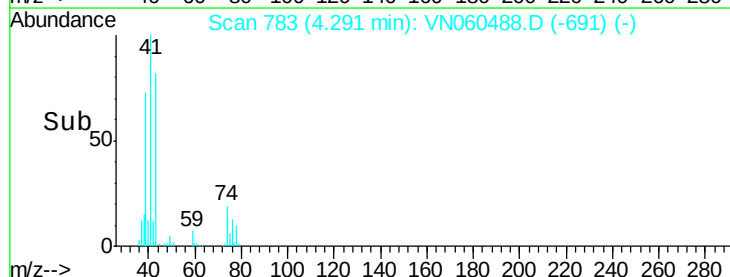
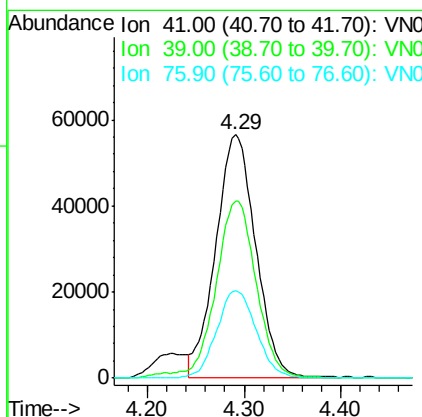
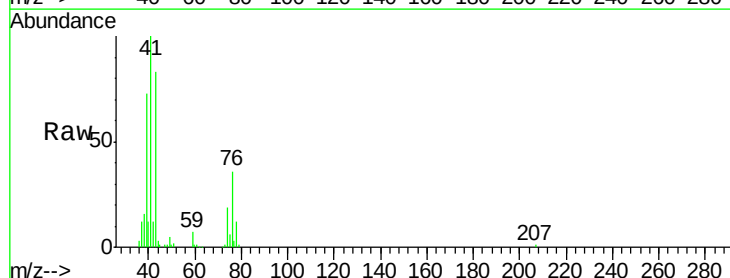
Manual Integrations
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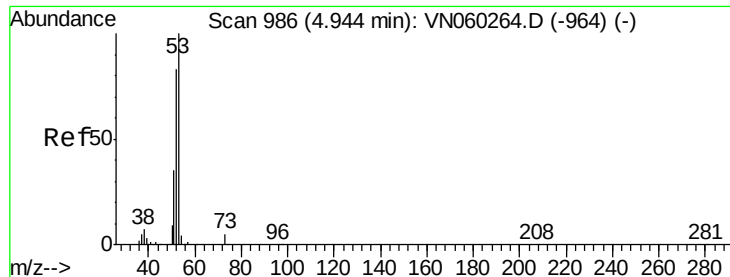
MMDadoda
3/16/2020 2:04:44 PM



#14
Allyl chloride
Concen: 45.414 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion	41	Resp	161582
Ion Ratio	Lower	Upper	
41	100		
39	72.8	55.4	83.2
76	35.7	27.0	40.6





#15

Acrylonitrile

Concen: 271.047 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

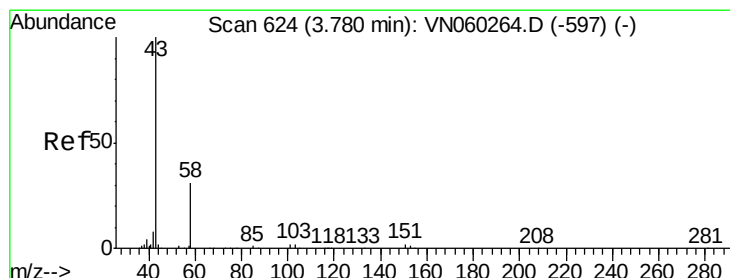
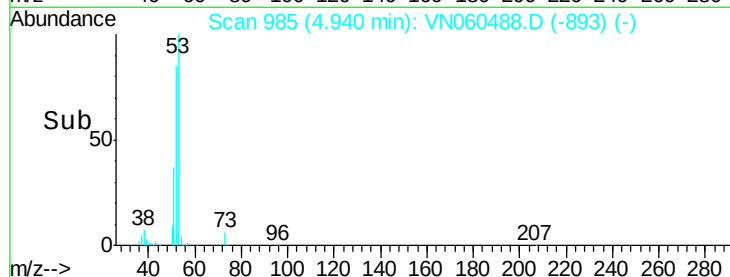
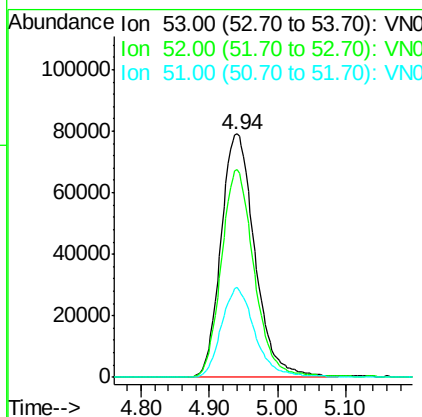
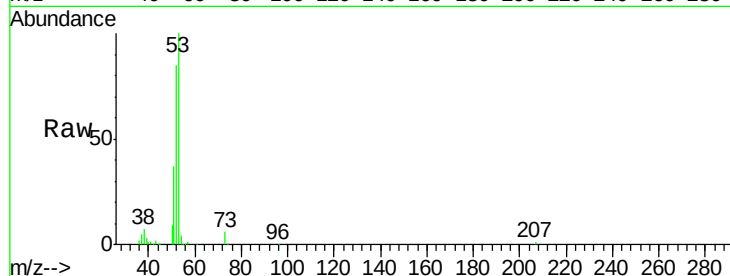
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	273385
Ion Ratio		Lower	Upper
53	100		
52	82.4	66.8	100.2
51	36.4	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 329.625 ug/l

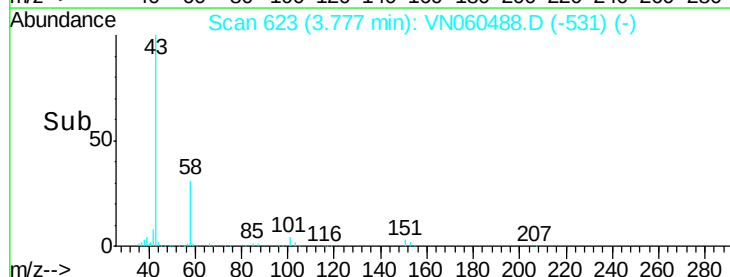
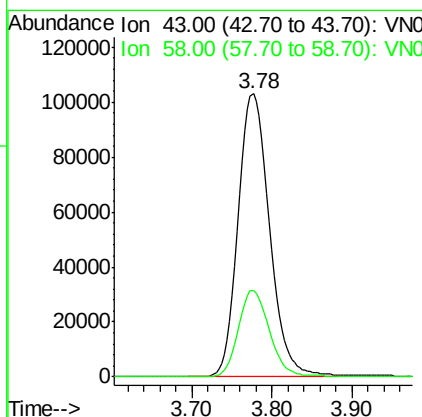
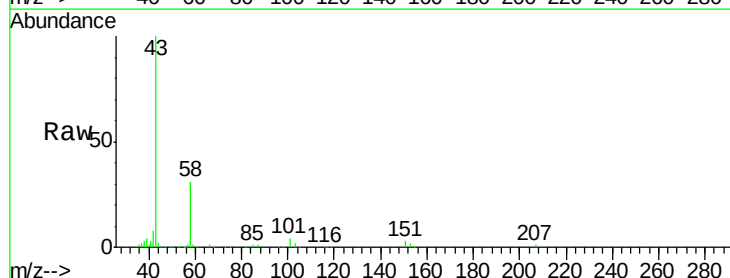
RT: 3.78 min Scan# 623

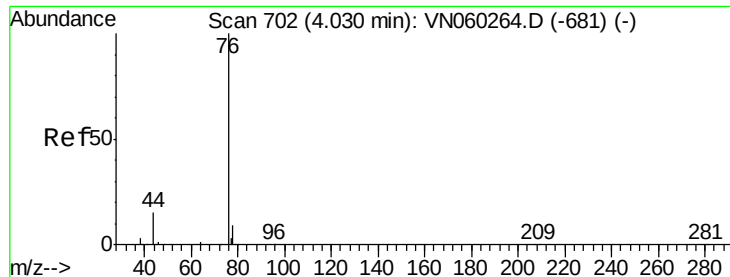
Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Tgt Ion:	43	Resp:	274319
Ion Ratio		Lower	Upper
43	100		
58	30.6	24.6	36.8





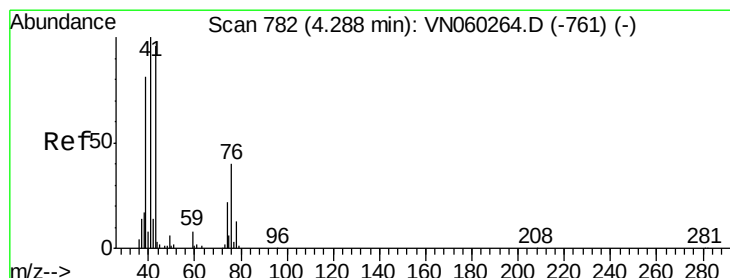
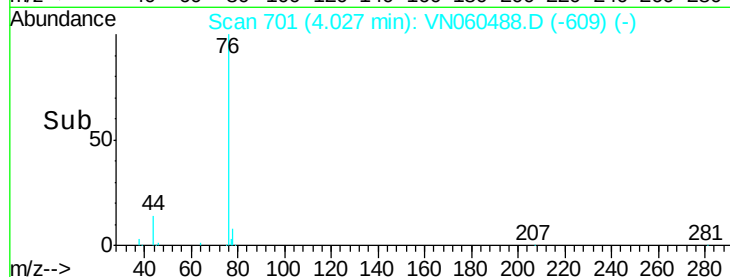
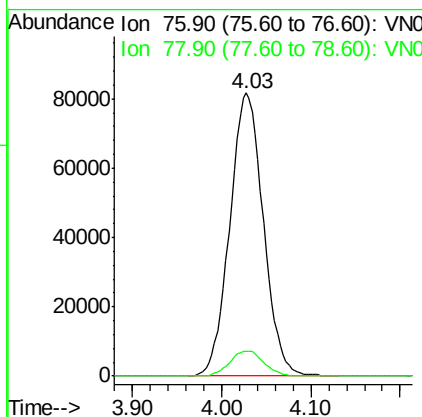
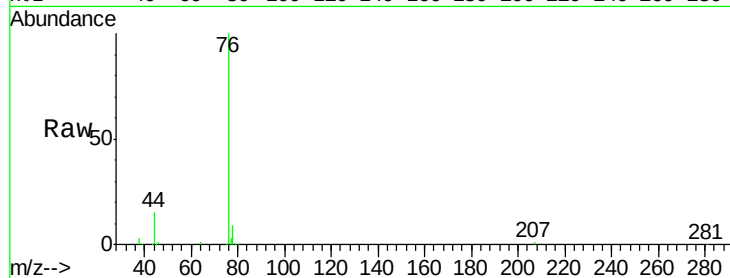
#17
Carbon Disulfide
Concen: 41.462 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

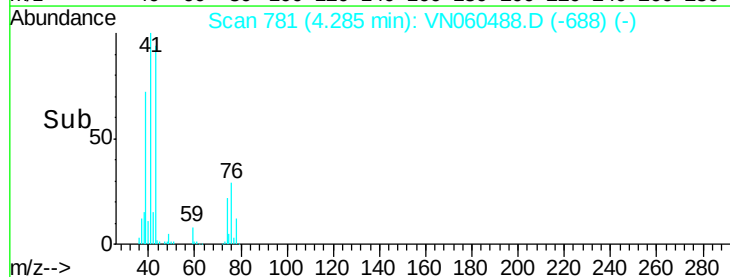
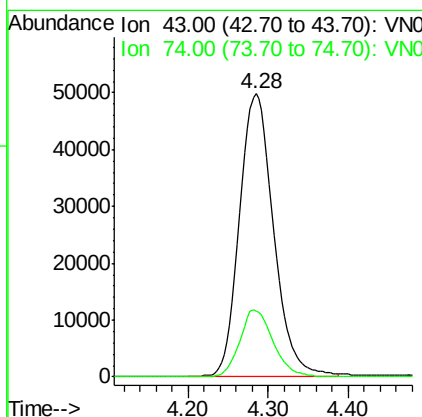
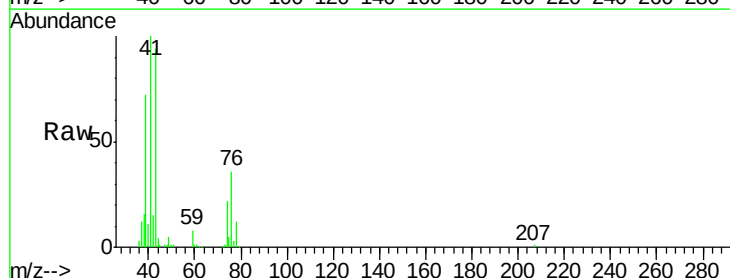
Manual Integrations
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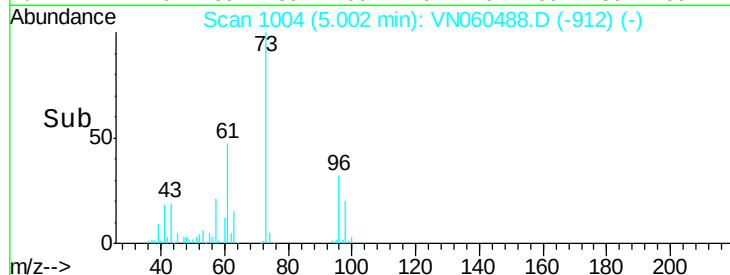
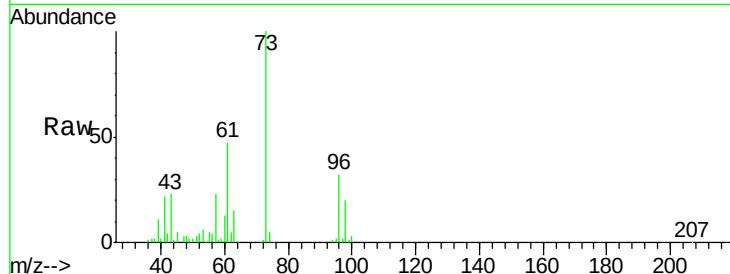
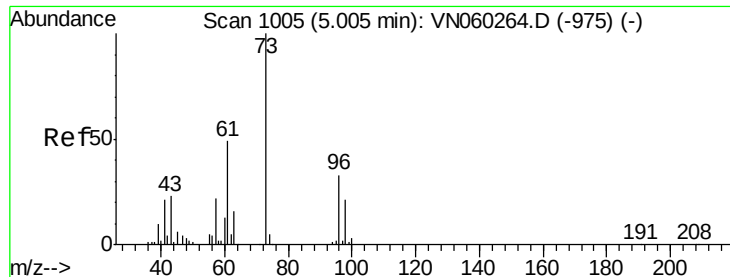
MMDadoda
3/16/2020 2:04:44 PM



#18
Methyl Acetate
Concen: 52.090 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.8	28.2





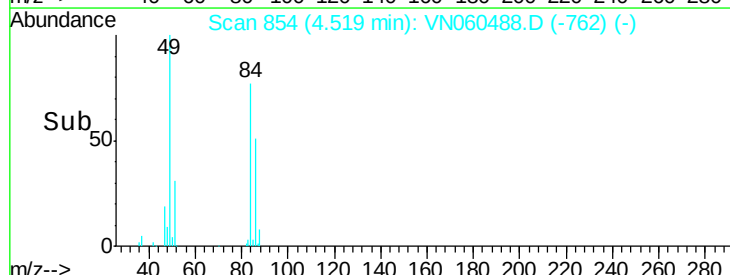
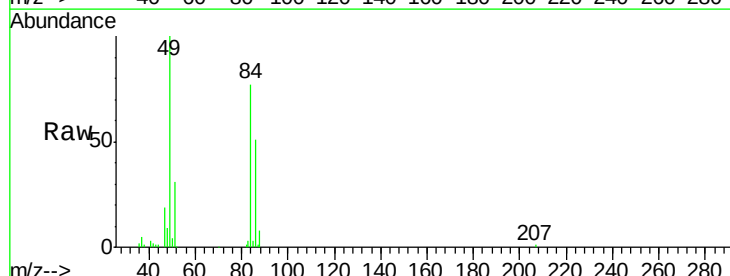
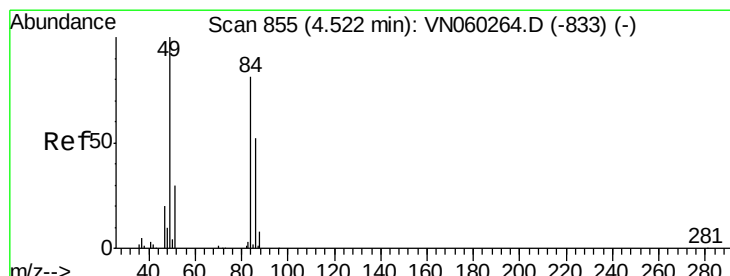
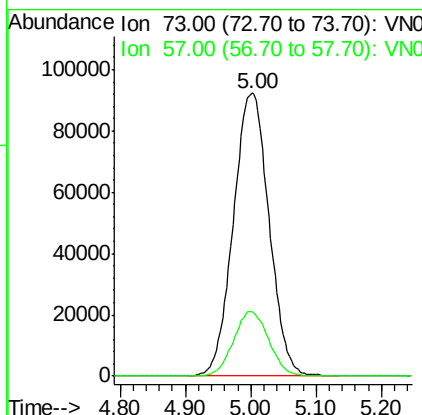
#19
Methyl tert-butyl Ether
Concen: 50.071 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tot Ion: 73 Resp: 350809
Ion Ratio Lower Upper
73 100
57 22.8 17.3 25.9

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

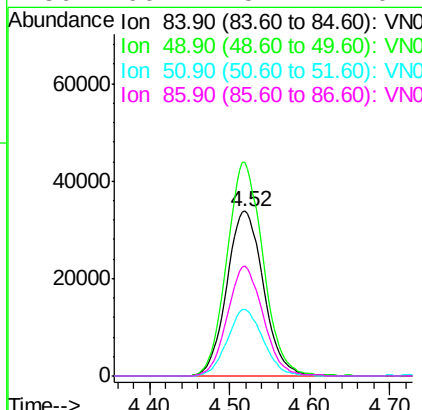
Manual Integrations
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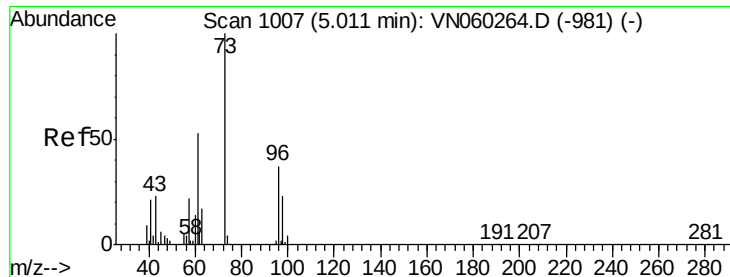
MMDadoda
3/16/2020 2:04:44 PM



#20
Methylene Chloride
Concen: 46.273 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion: 84 Resp: 105759
Ion Ratio Lower Upper
84 100
49 129.7 99.3 148.9
51 40.3 30.1 45.1
86 66.7 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 47.272 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

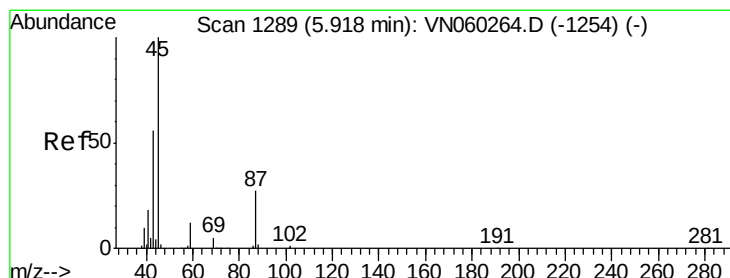
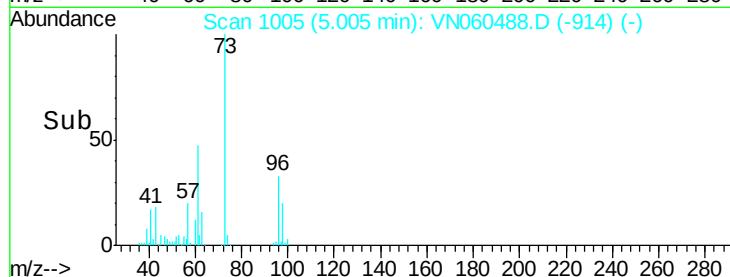
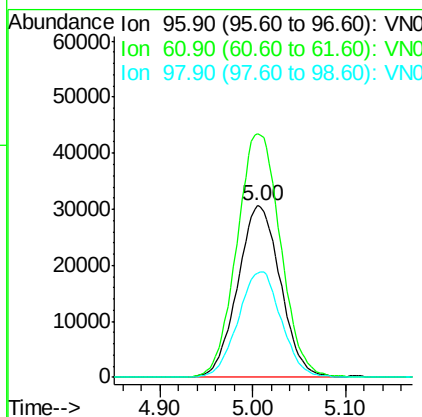
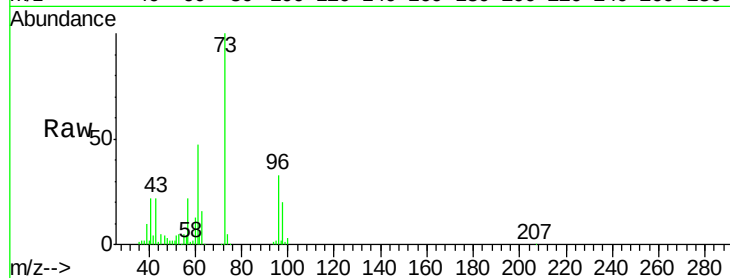
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	98057
Ion	Ratio	Lower	Upper
96	100		
61	141.9	113.8	170.8
98	60.8	48.8	73.2

Manual Integrations
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3/16/2020 2:04:44 PM



#22

Diisopropyl ether

Concen: 52.435 ug/l

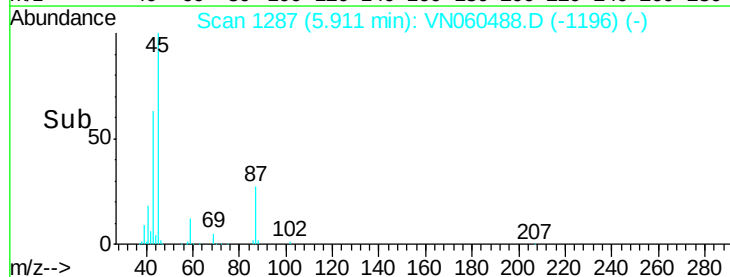
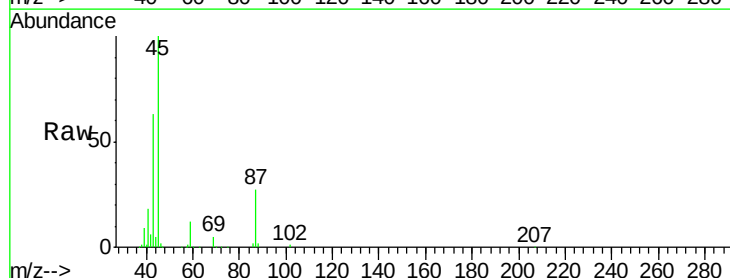
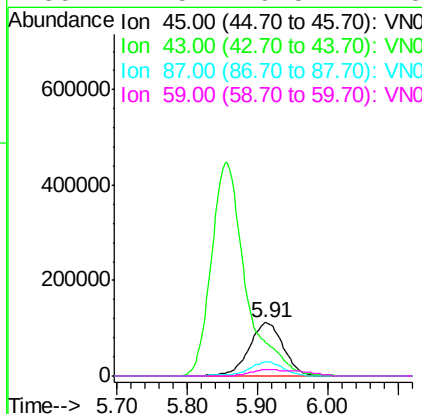
RT: 5.91 min Scan# 1287

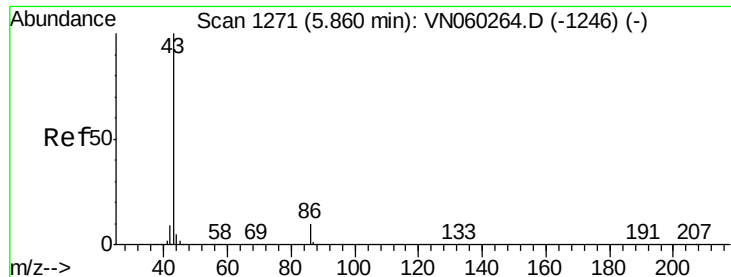
Delta R.T. -0.01 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Tgt Ion:	45	Resp:	377899
Ion	Ratio	Lower	Upper
45	100		
43	62.4	48.6	72.8
87	26.9	22.2	33.2
59	11.5	9.5	14.3





#23

Vinyl Acetate

Concen: 264.362 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1513986

Ion Ratio Lower Upper

43 100

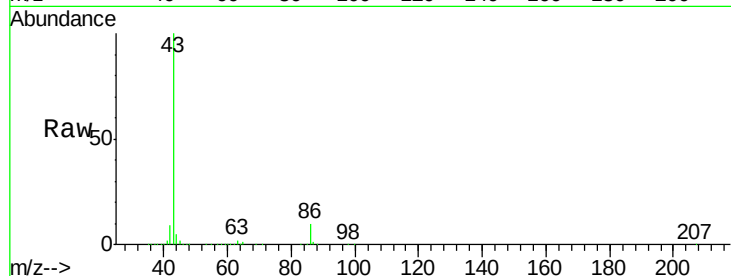
86 9.7 8.0 12.0

Manual Integrations

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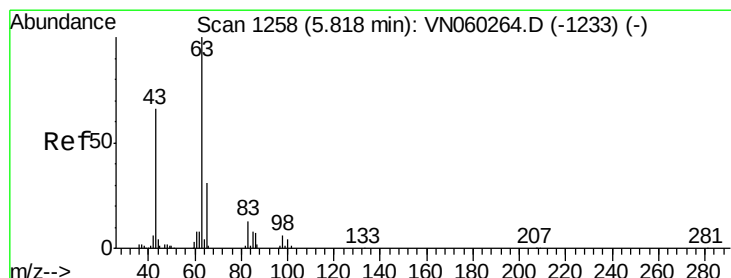
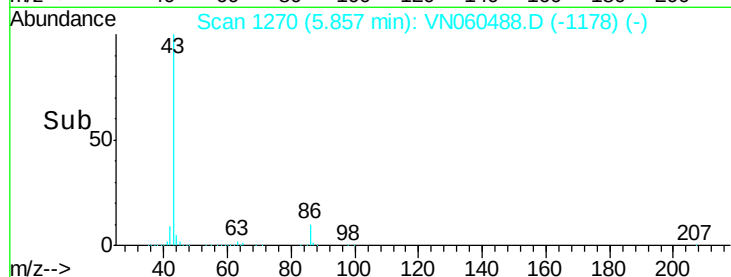
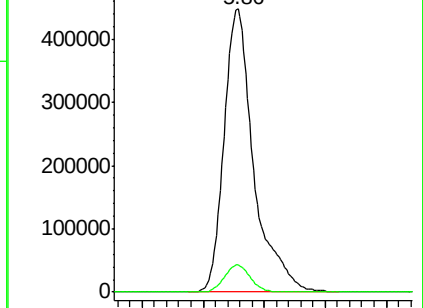
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.856 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

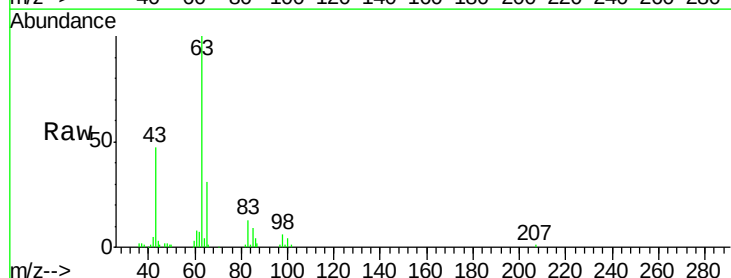
Tgt Ion: 63 Resp: 203395

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

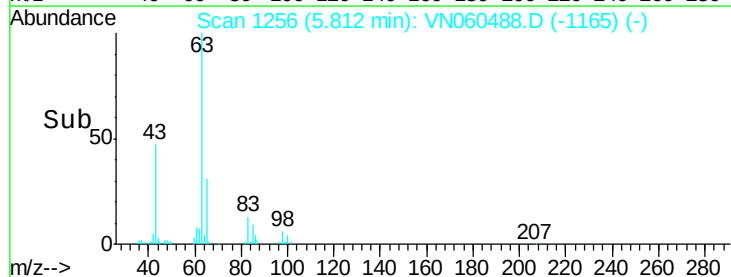
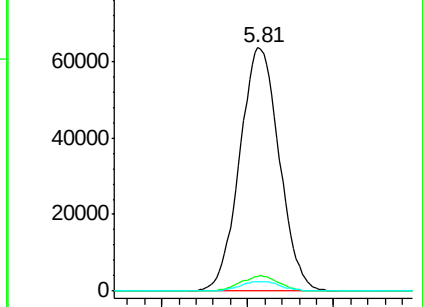
100 3.8 2.0 6.0

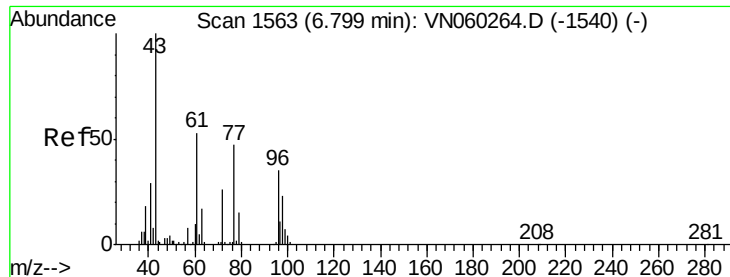


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 298.533 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Tot Ion: 43 Resp: 401296

Ion Ratio Lower Upper

43 100

72 25.7 20.9 31.3

Instrument :

MSVOA_N

ClientSampleId :

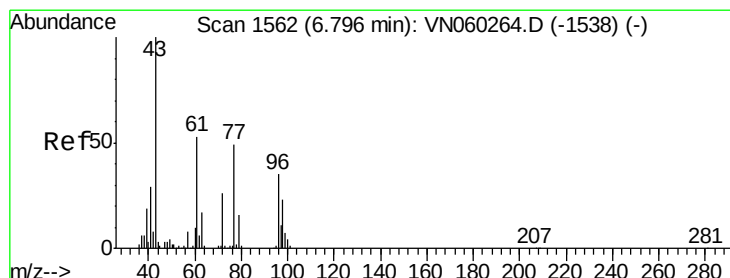
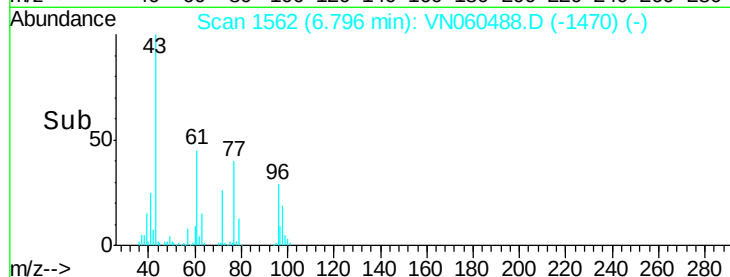
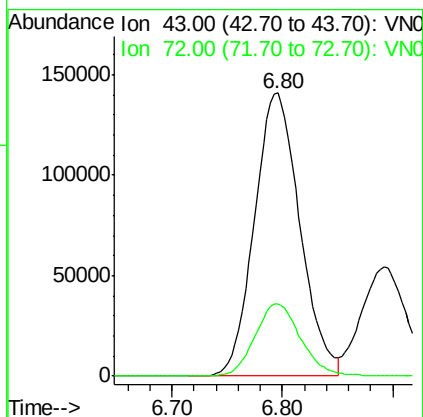
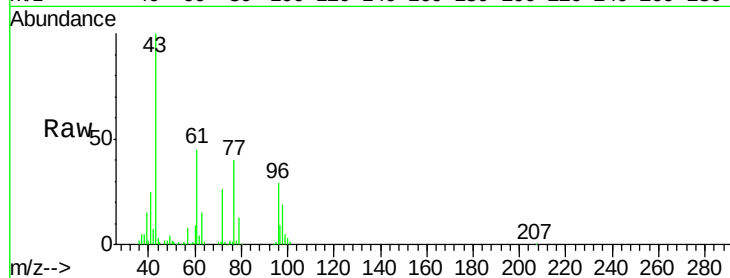
VSTDCCC050

Manual Integrations

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3/16/2020 2:04:44 PM



#26

2,2-Dichloropropane

Concen: 49.530 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060488.D

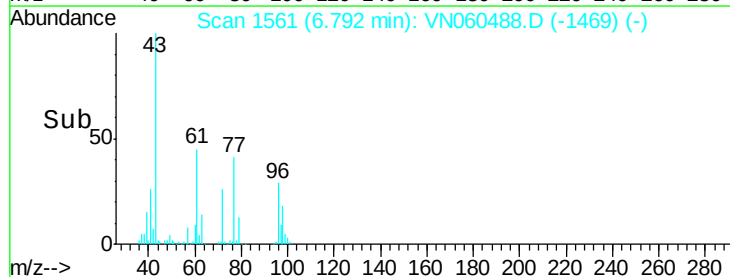
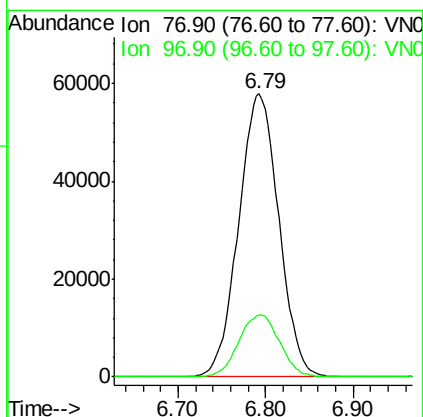
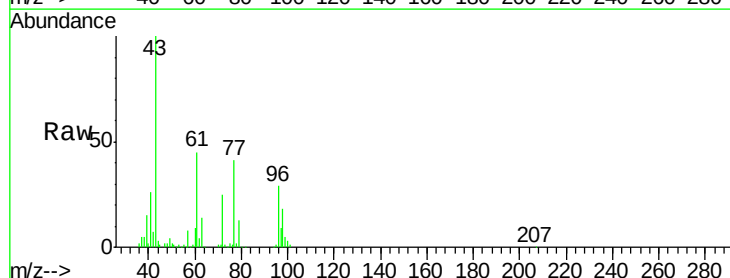
Acq: 13 Mar 2020 9:06

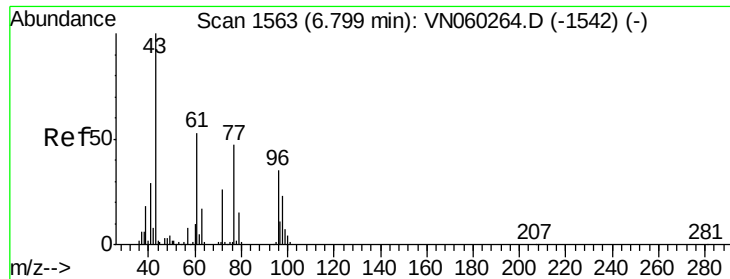
Tgt Ion: 77 Resp: 183956

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 45.548 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

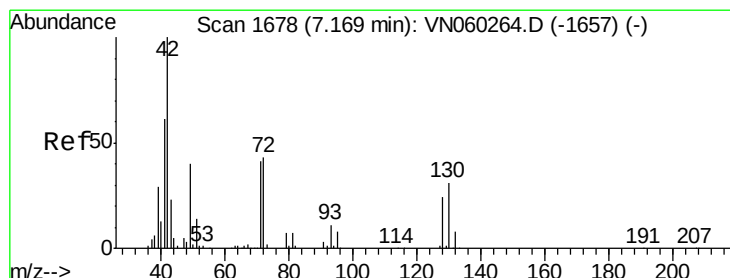
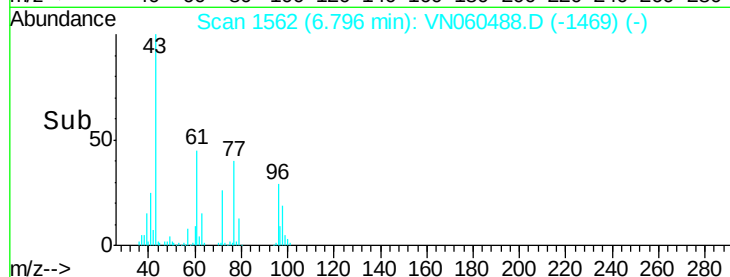
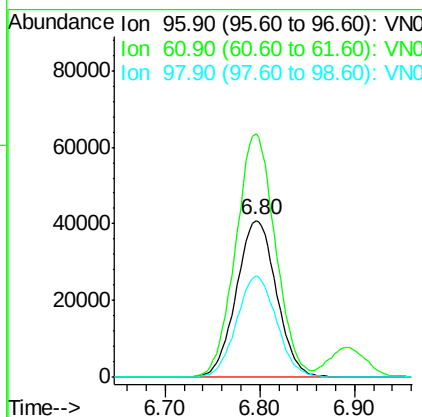
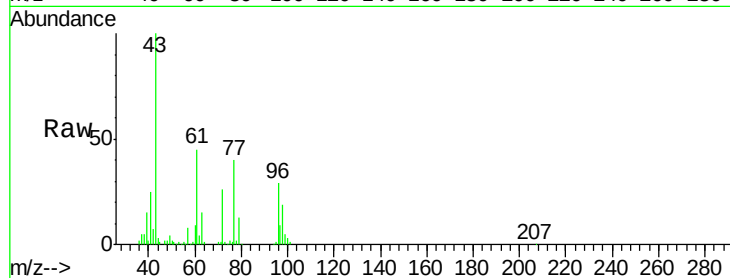
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	120711
Ion Ratio	Lower	Upper	
96	100		
61	153.3	0.0	300.8
98	64.2	0.0	128.2

Manual Integrations
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3/16/2020 2:04:44 PM



#28

Bromochloromethane

Concen: 47.914 ug/l

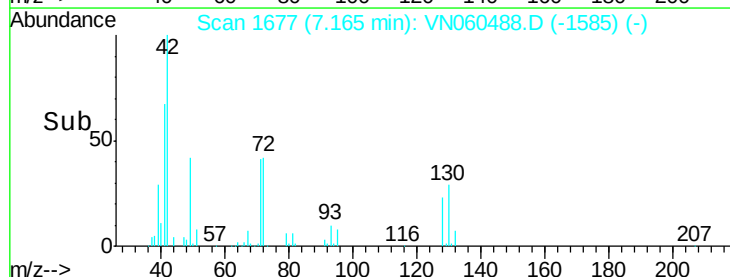
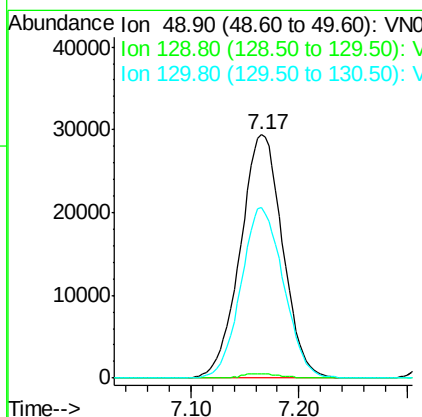
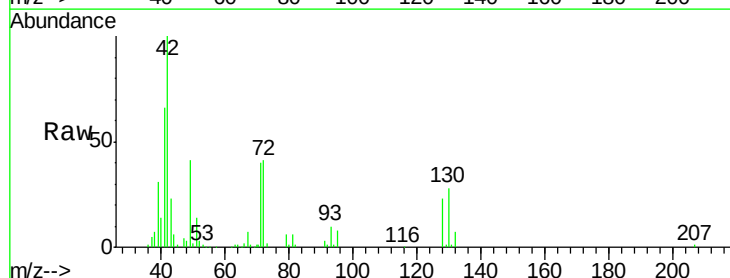
RT: 7.17 min Scan# 1677

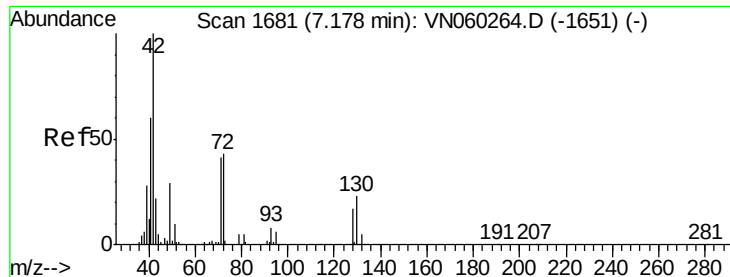
Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Tgt Ion:	49	Resp:	80256
Ion Ratio	Lower	Upper	
49	100		
129	0.7	0.0	3.8
130	70.2	59.8	89.8





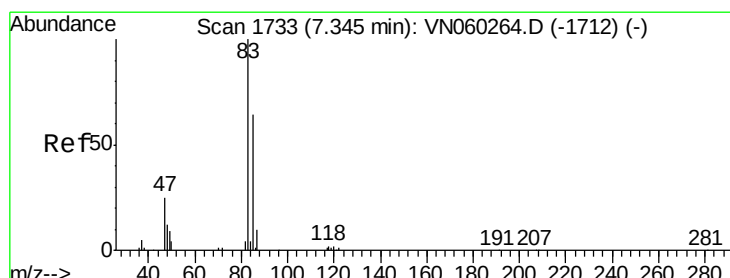
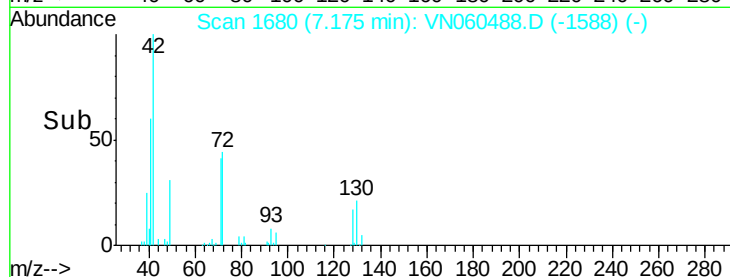
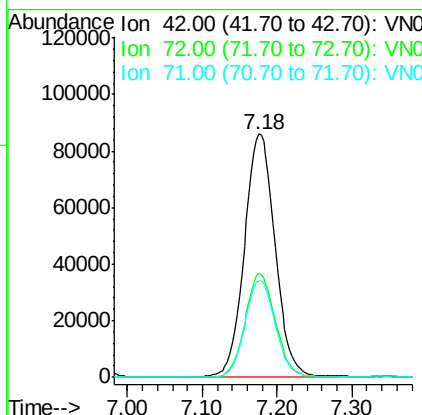
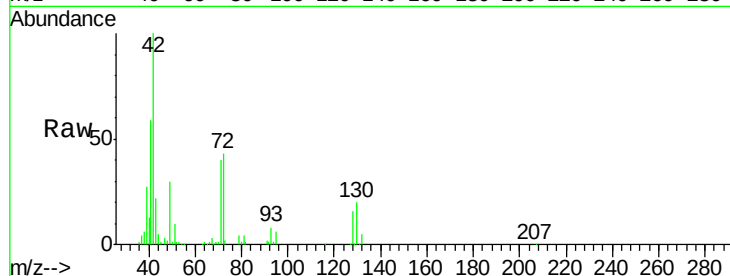
#29
Tetrahydrofuran
Concen: 263.442 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.6	52.0
71	39.4	32.9	49.3

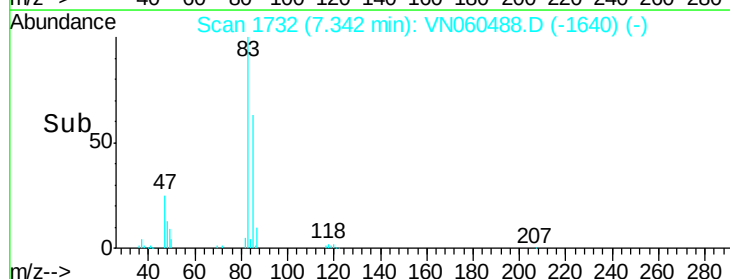
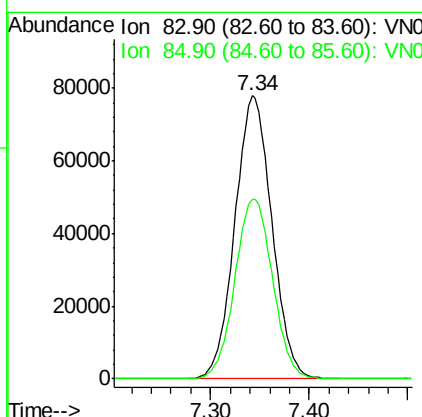
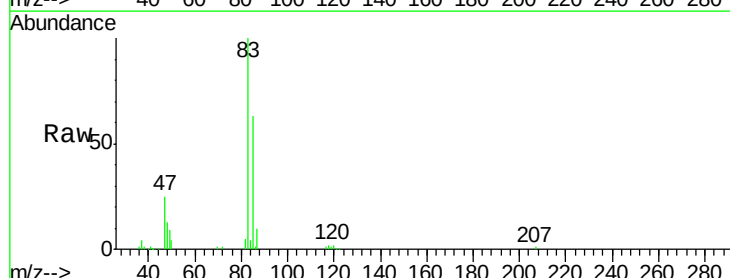
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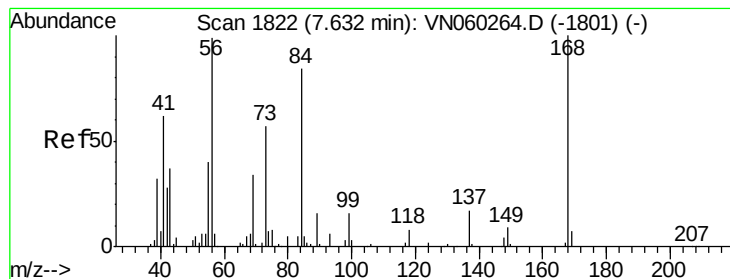
MMDadoda
3/16/2020 2:04:44 PM



#30
Chloroform
Concen: 49.880 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.2





#31

Cyclohexane

Concen: 48.110 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

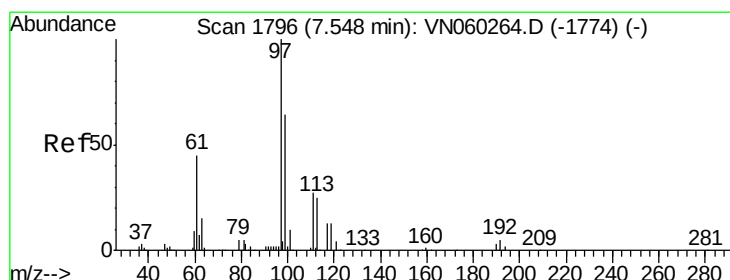
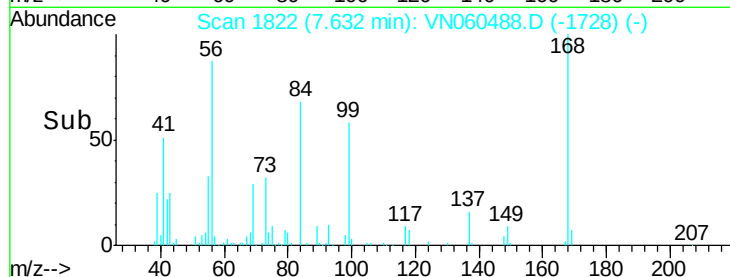
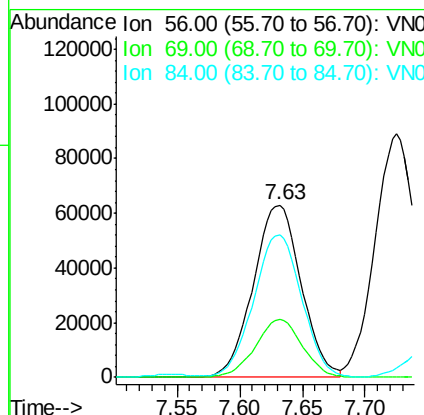
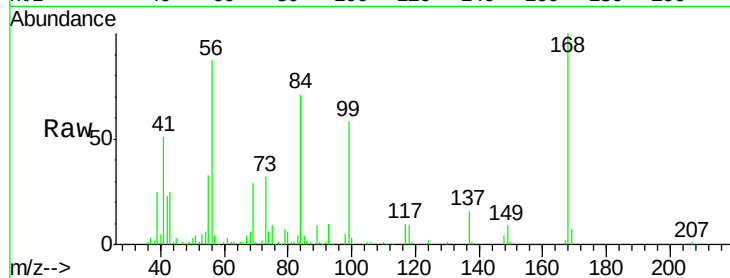
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	33.5	27.2	40.8	
84	81.3	66.7	100.1	

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.684 ug/l

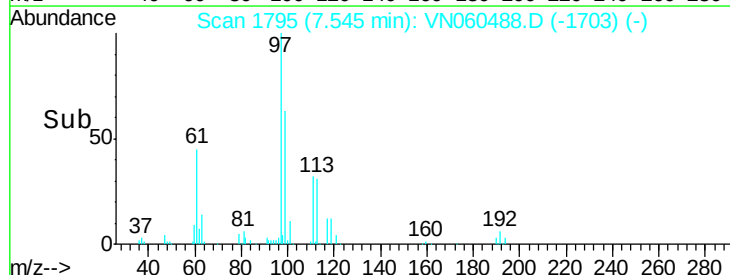
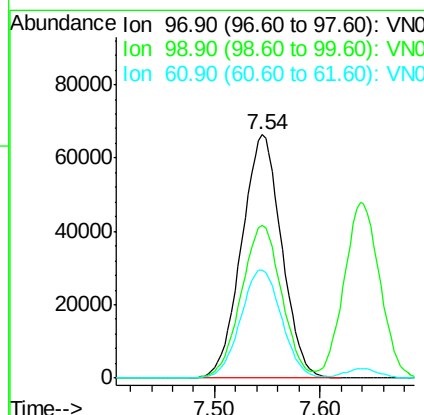
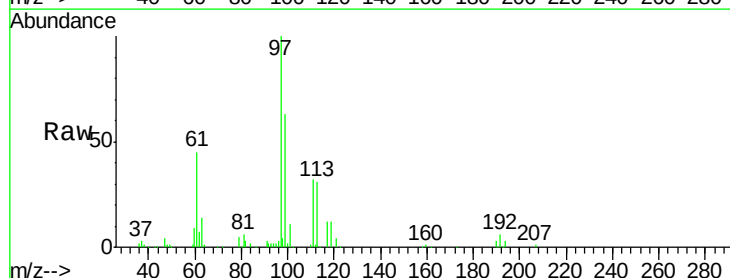
RT: 7.54 min Scan# 1795

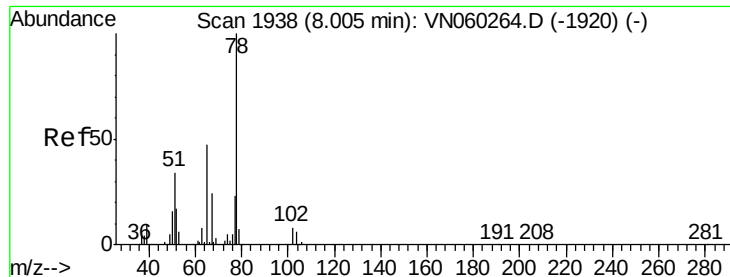
Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.6	51.4	77.0	
61	45.5	36.6	55.0	





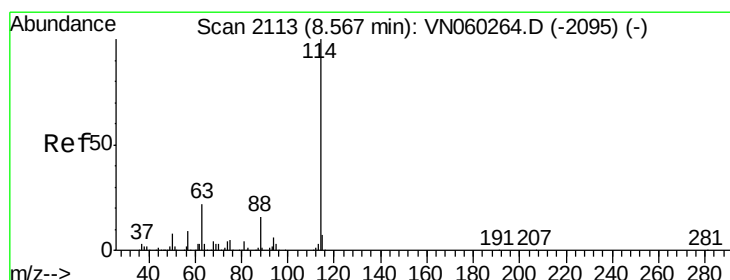
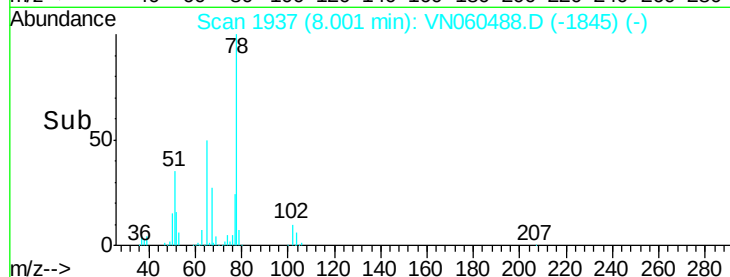
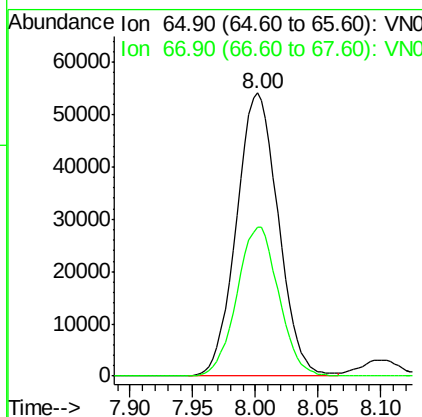
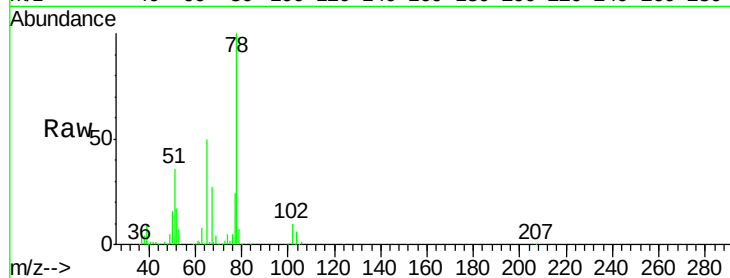
#33
 1,2-Dichloroethane-d4
 Concen: 48.676 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.7	0.0	103.8	

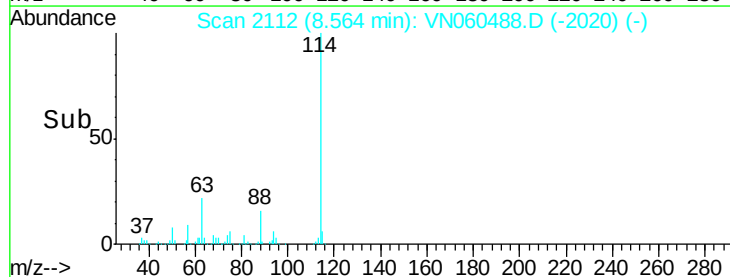
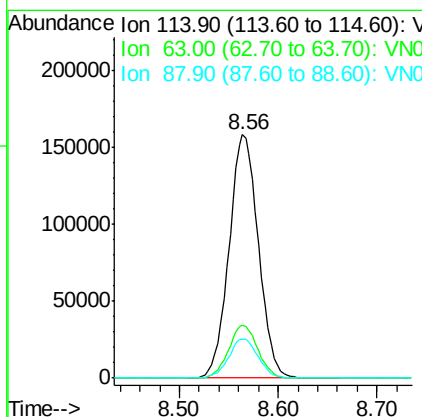
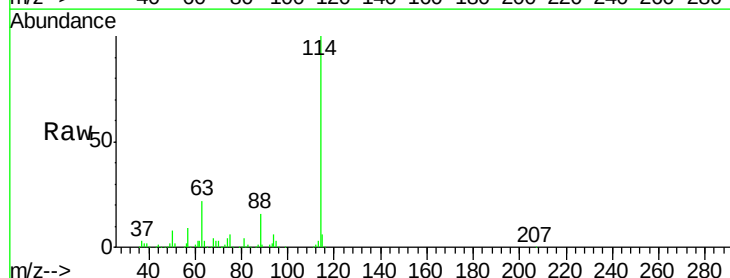
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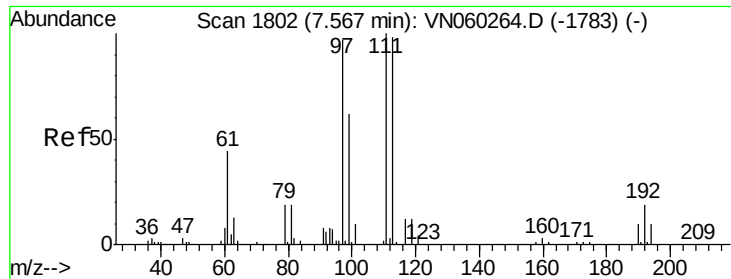
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 3/16/2020 2:04:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.7	0.0	43.2	
88	16.2	0.0	31.6	





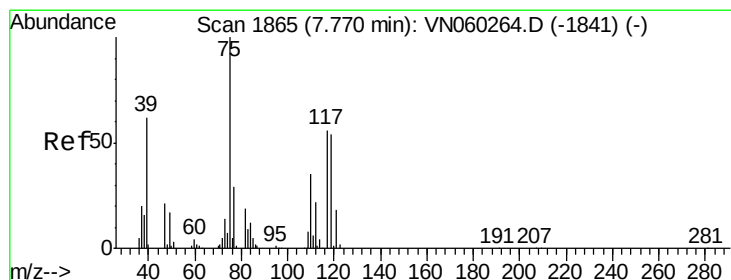
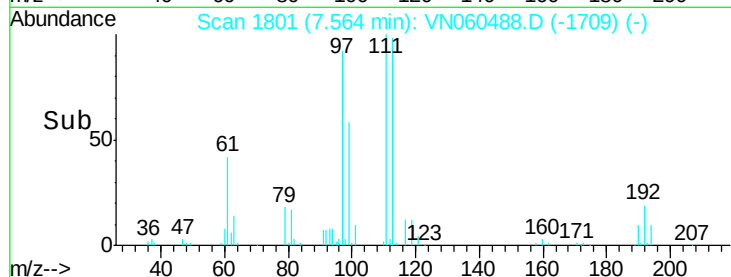
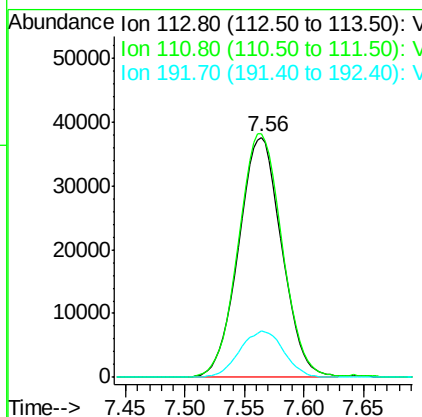
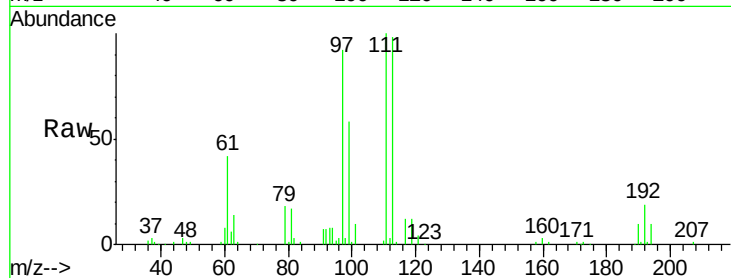
#35
Dibromofluoromethane
Concen: 62.077 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.4	123.6
192	19.7	16.2	24.2

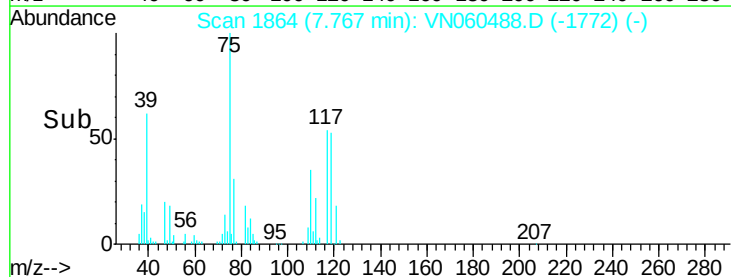
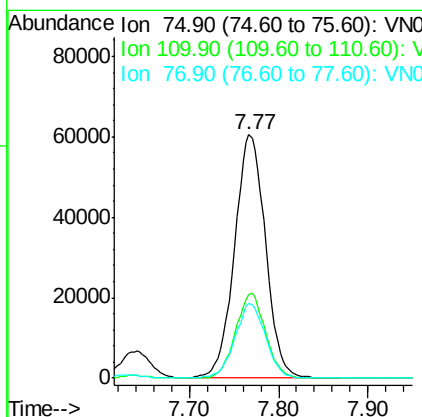
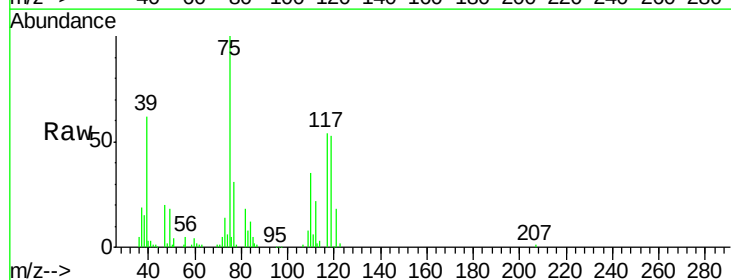
Manual Integrations
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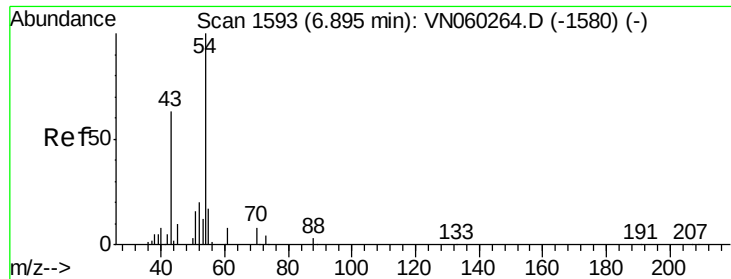
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3/16/2020 2:04:44 PM



#36
1,1-Dichloropropene
Concen: 46.783 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.6	17.3	52.0
77	30.3	24.2	36.2





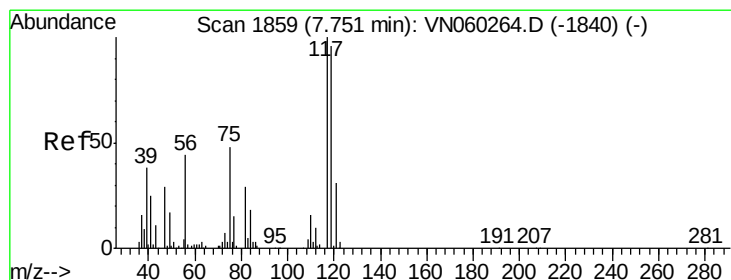
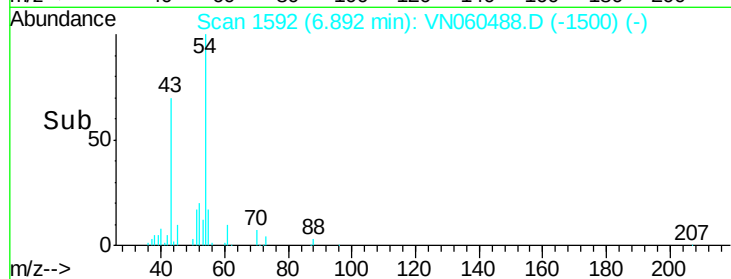
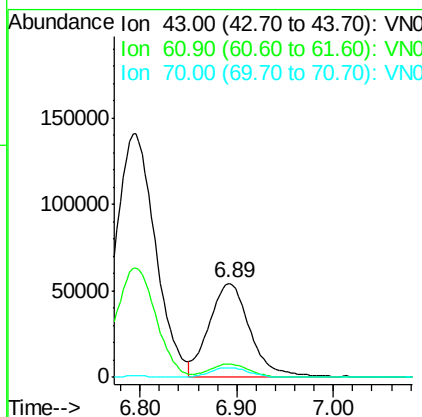
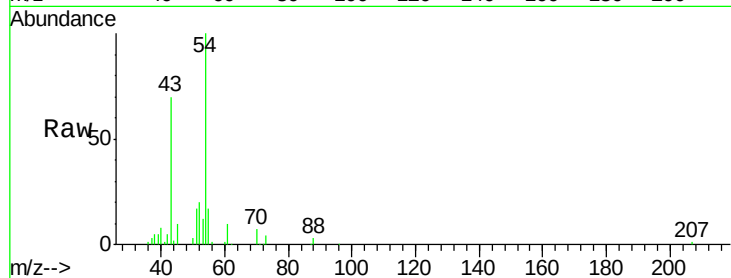
#37
Ethyl Acetate
Concen: 53.268 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.1	16.7
70	10.1	8.4	12.6

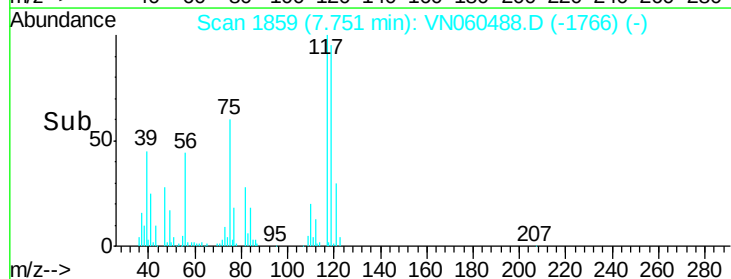
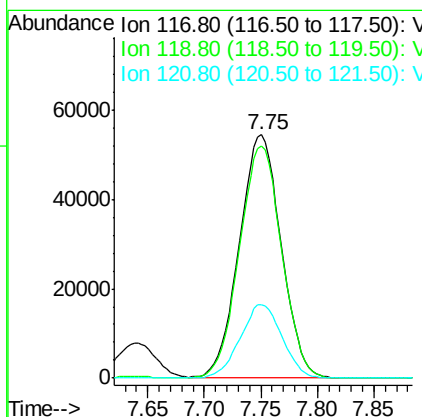
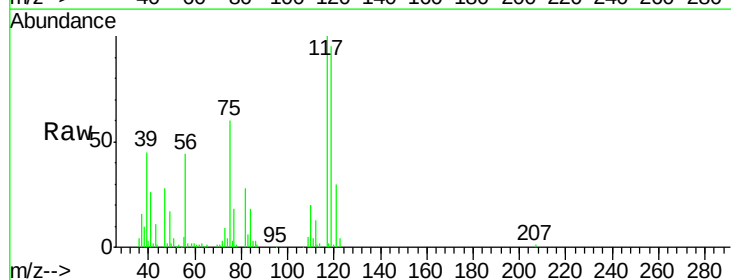
Manual Integrations
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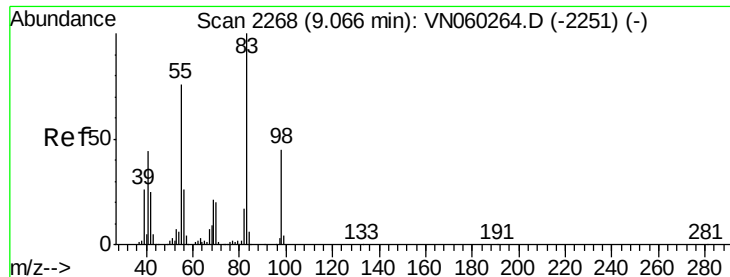
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#38
Carbon Tetrachloride
Concen: 46.162 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.7	115.1
121	30.4	24.5	36.7





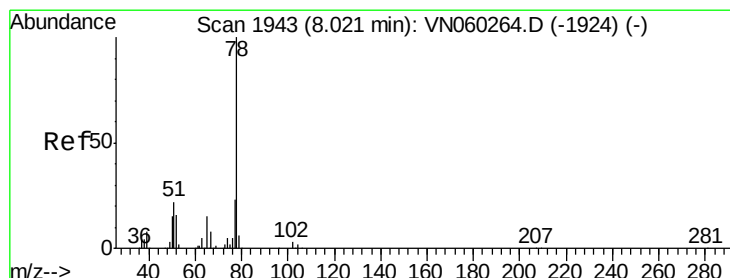
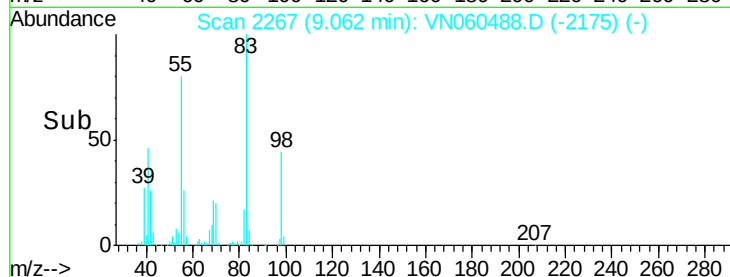
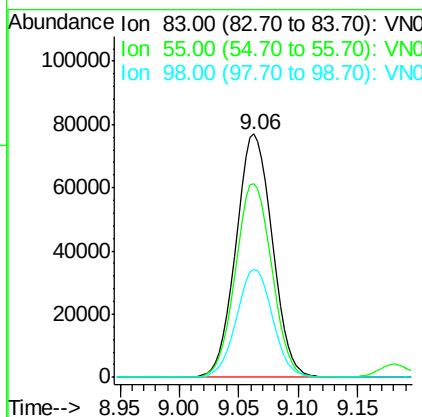
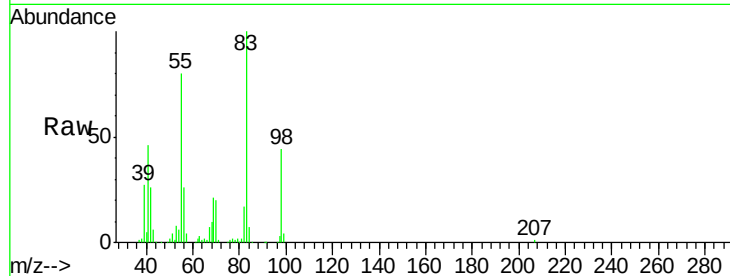
#39
Methylvlcyclohexane
Concen: 44.346 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.8	61.0	91.4
98	44.3	36.1	54.1

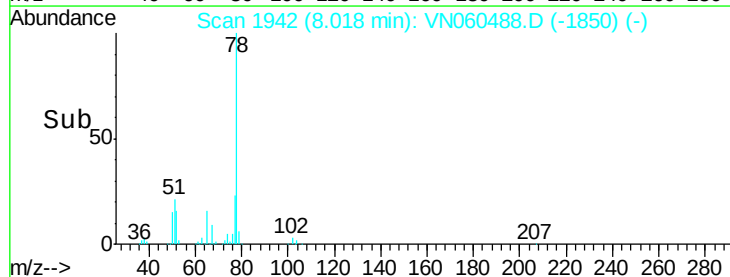
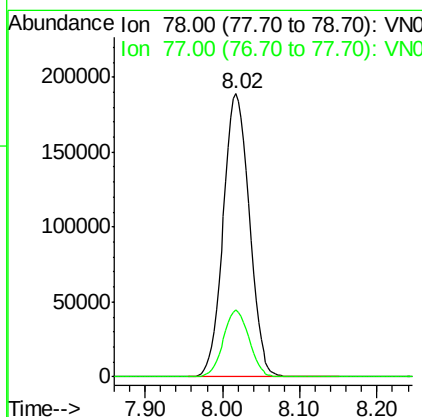
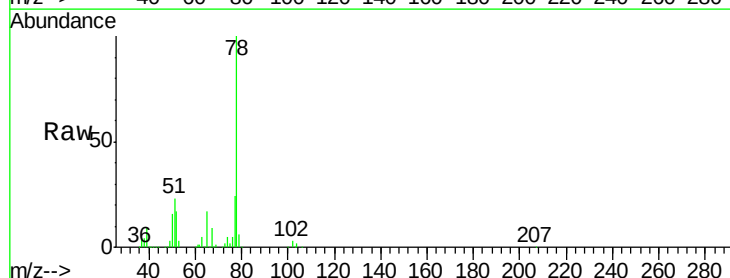
Manual Integrations
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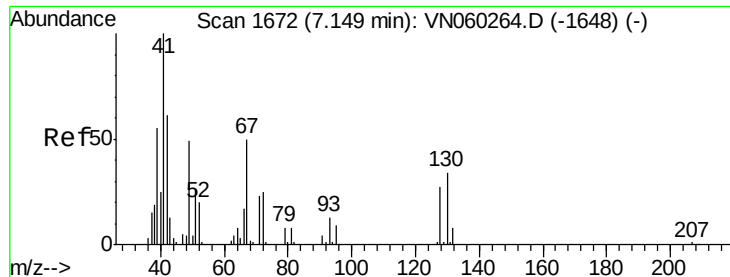
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#40
Benzene
Concen: 48.838 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





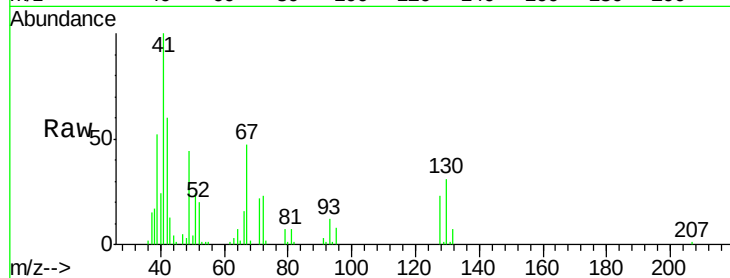
#41
Methacrylonitrile
Concen: 55.821 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

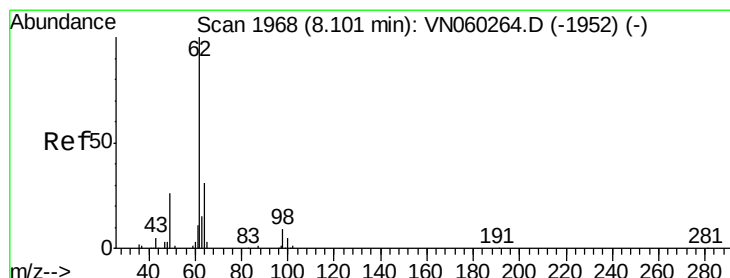
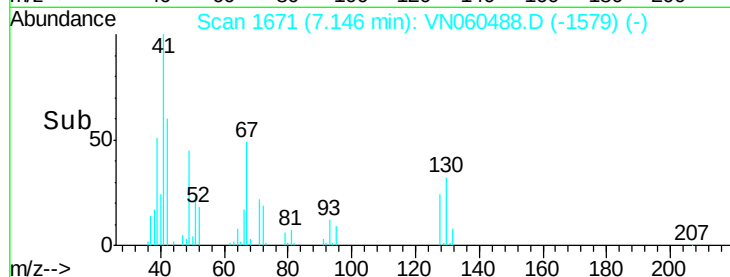
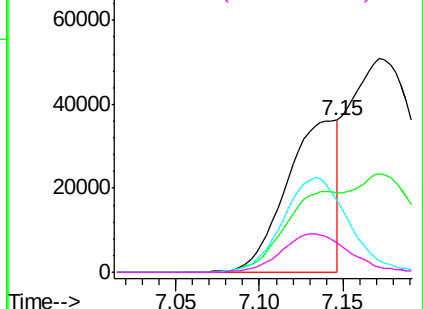
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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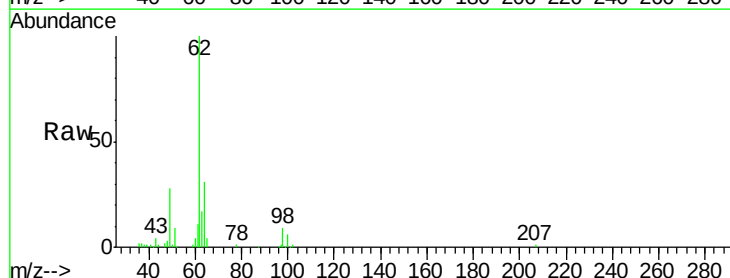


Abundance Ion 41.00 (40.70 to 41.70): VN060488.D (-1648) (-)
Ion 39.00 (38.70 to 39.70): VN060488.D (-1648) (-)
Ion 67.00 (66.70 to 67.70): VN060488.D (-1648) (-)
Ion 52.00 (51.70 to 52.70): VN060488.D (-1648) (-)

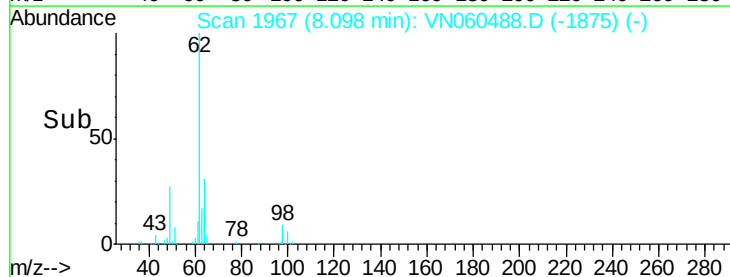
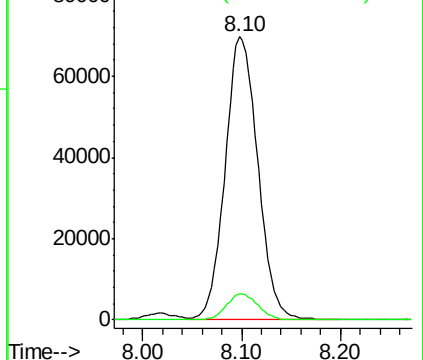


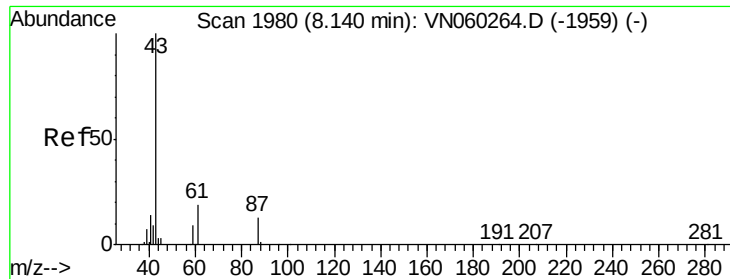
#42
1,2-Dichloroethane
Concen: 49.341 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VN060488.D (-1875) (-)
Ion 97.90 (97.60 to 98.60): VN060488.D (-1875) (-)





#43

Isopropyl Acetate

Concen: 53.120 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

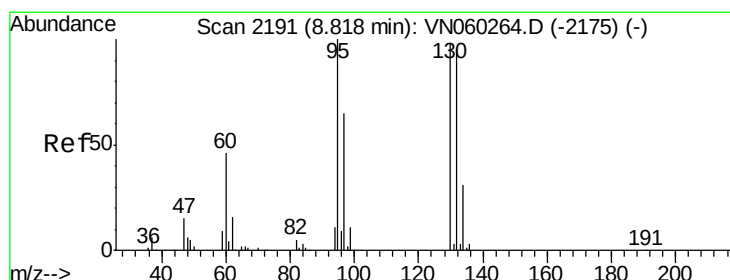
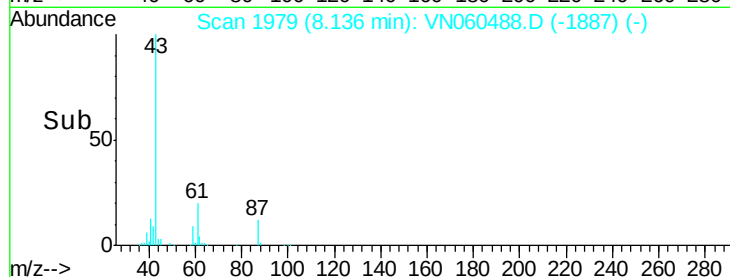
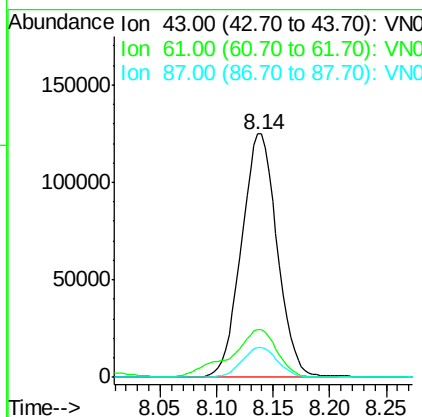
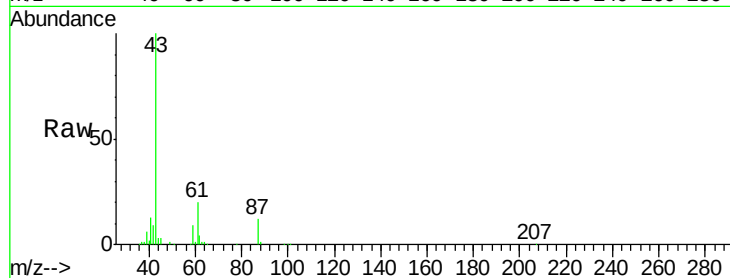
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	274770
Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.9	31.3
87	12.3	10.6	16.0

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#44

Trichloroethene

Concen: 45.962 ug/l

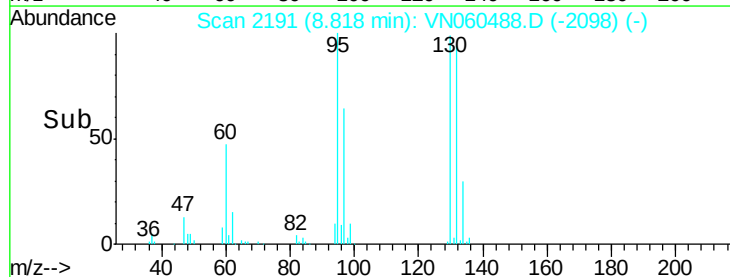
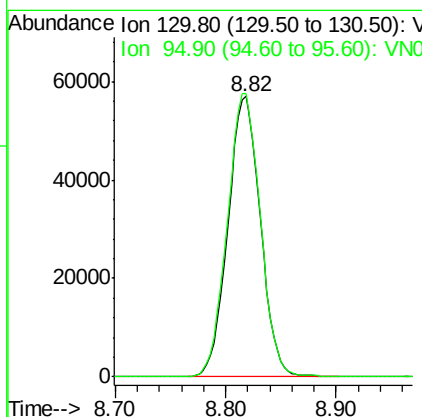
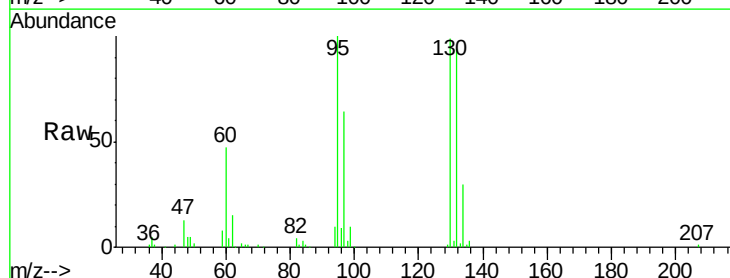
RT: 8.82 min Scan# 2191

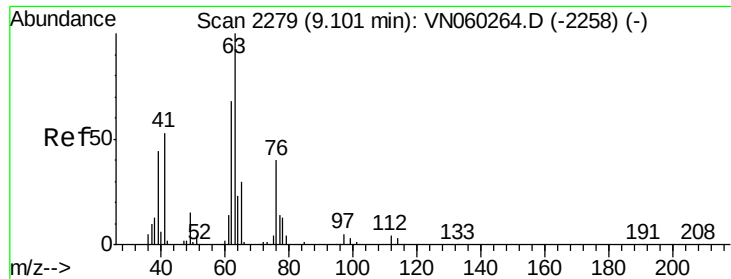
Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Tgt Ion:	130	Resp:	116258
Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	203.4





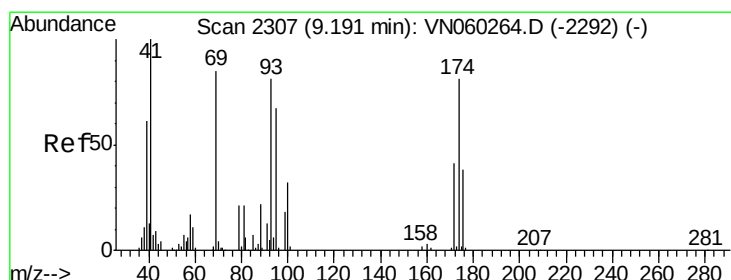
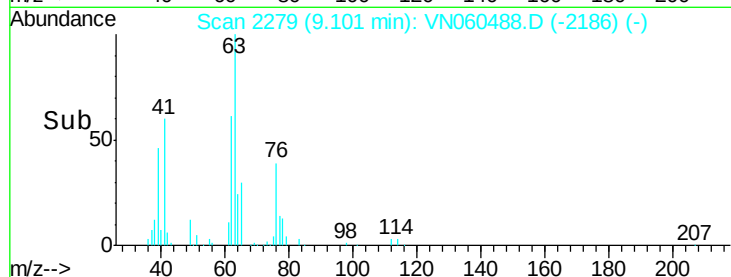
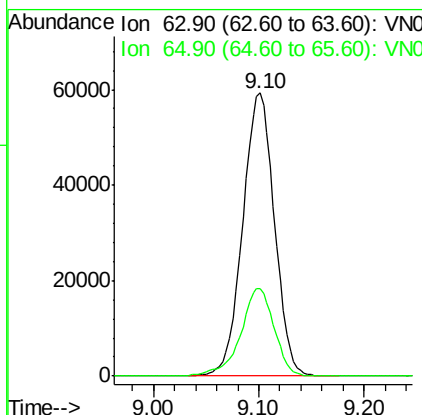
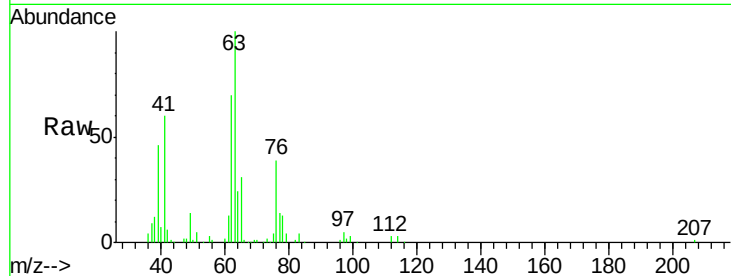
#45
 1,2-Dichloropropane
 Concen: 52.250 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.4	36.6

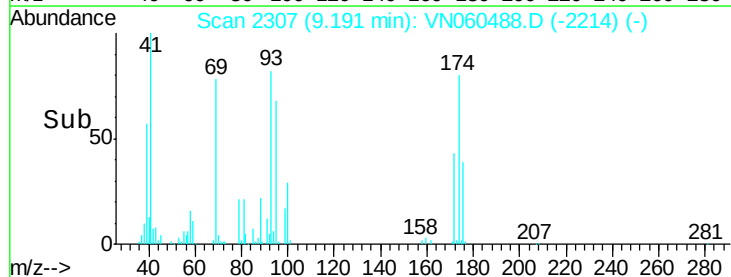
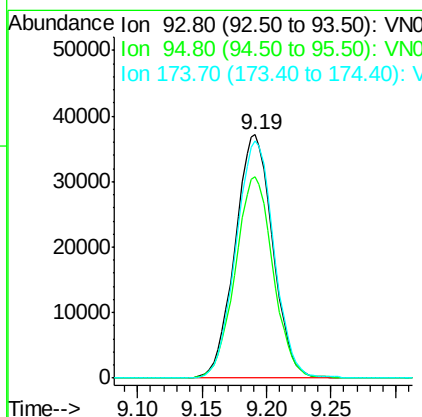
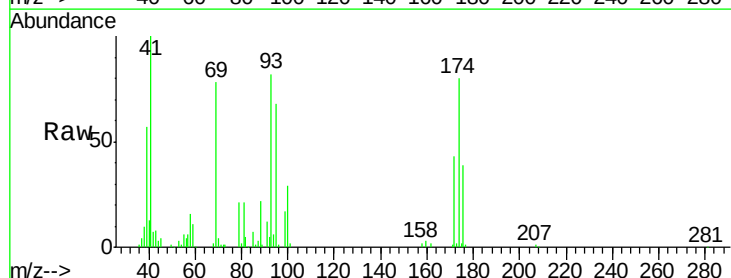
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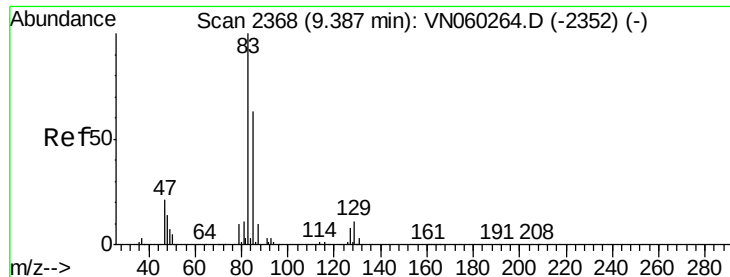
MMDadoda
 3/16/2020 2:04:44 PM



#46
 Dibromomethane
 Concen: 49.087 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.9	98.9
174	98.3	79.6	119.4





#47

Bromodichloromethane

Concen: 52.028 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

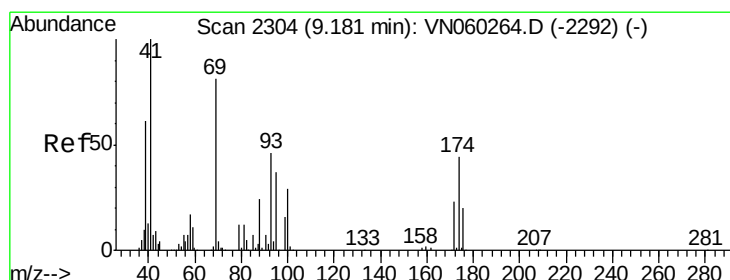
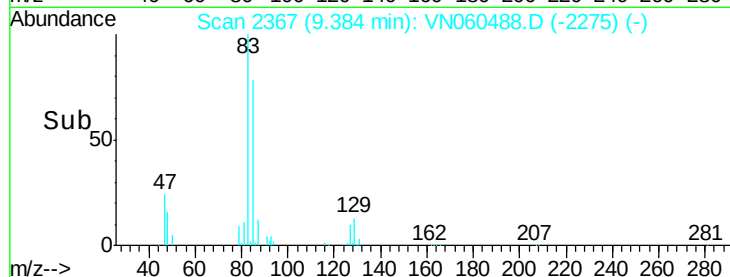
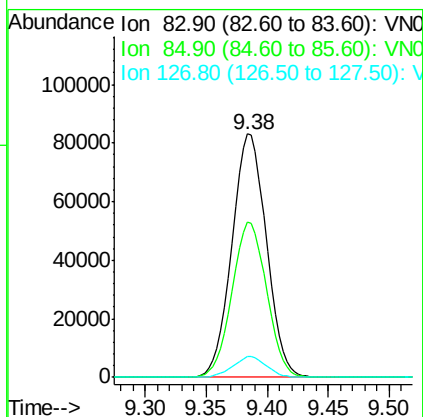
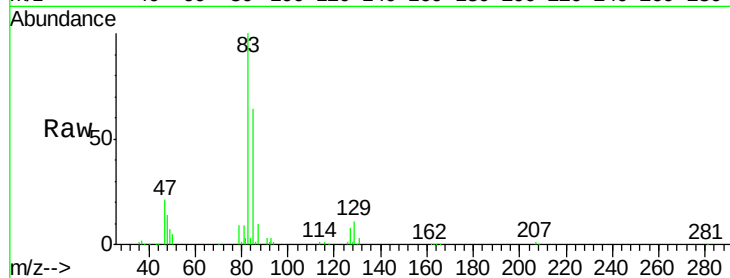
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	163037
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.7	76.1
127	8.4	6.8	10.2

Manual Integrations
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3/16/2020 2:04:44 PM



#48

Methyl methacrylate

Concen: 51.473 ug/l

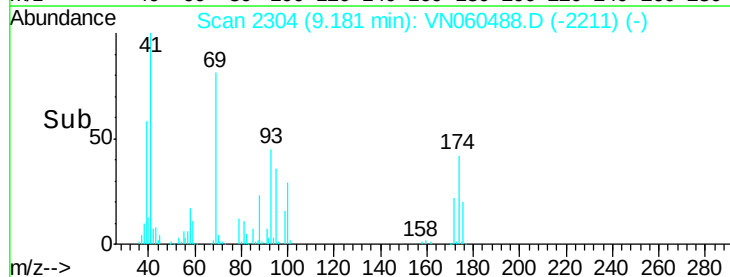
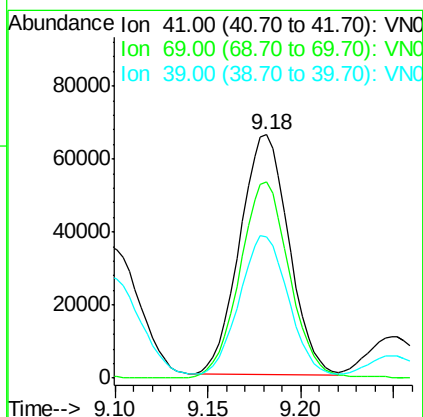
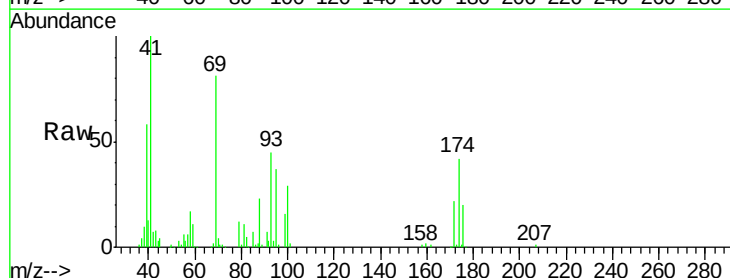
RT: 9.18 min Scan# 2304

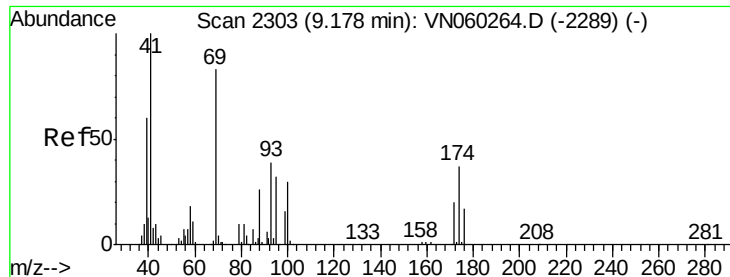
Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Tgt Ion:	41	Resp:	121412
Ion Ratio	Lower	Upper	
41	100		
69	82.5	66.7	100.1
39	60.1	50.1	75.1





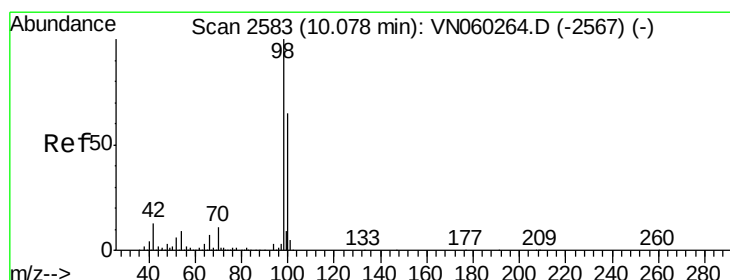
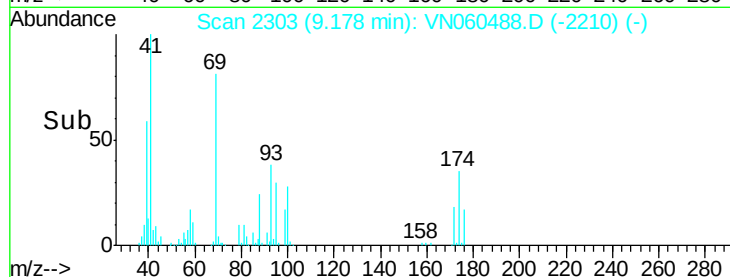
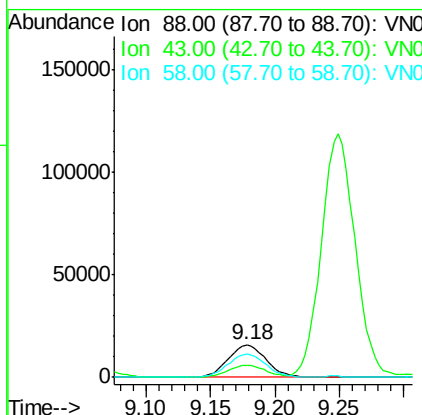
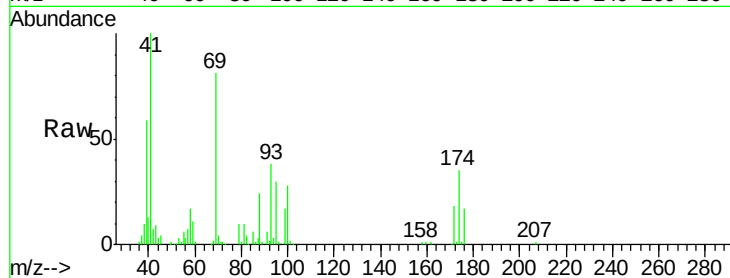
#49
1,4-Dioxane
Concen: 976.648 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	30.4	45.6
58	71.9	57.0	85.6

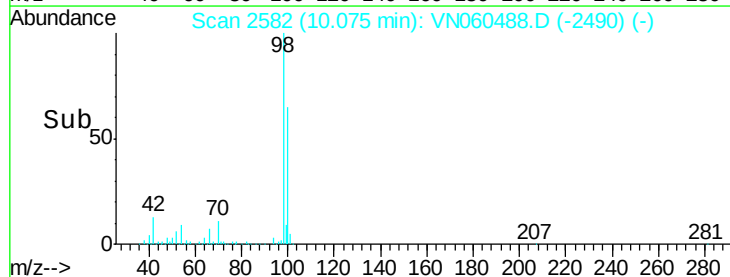
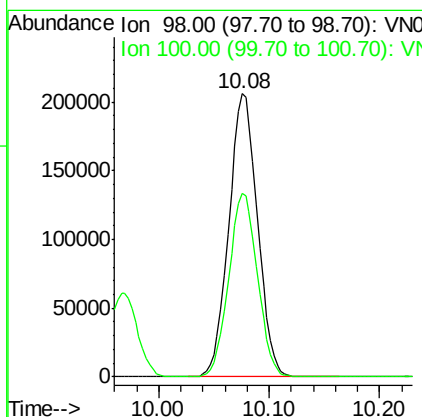
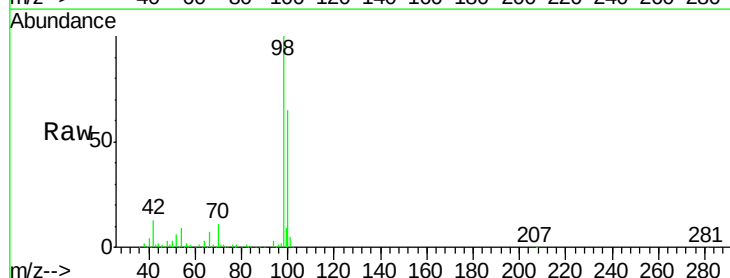
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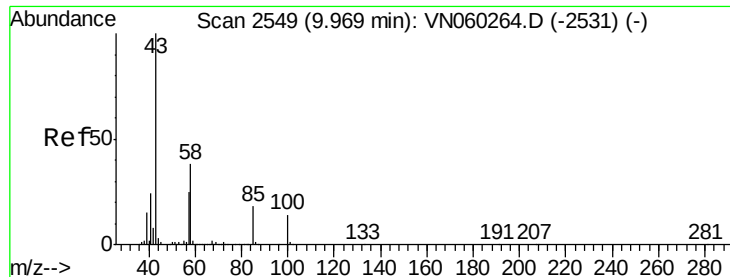
MMDadoda
3/16/2020 2:04:44 PM



#50
Toluene-d8
Concen: 48.223 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 273.179 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 801167

Ion Ratio Lower Upper

43 100

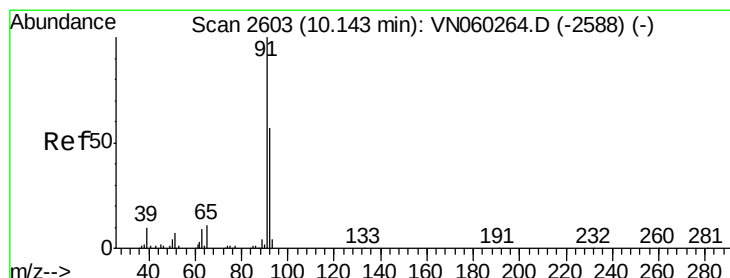
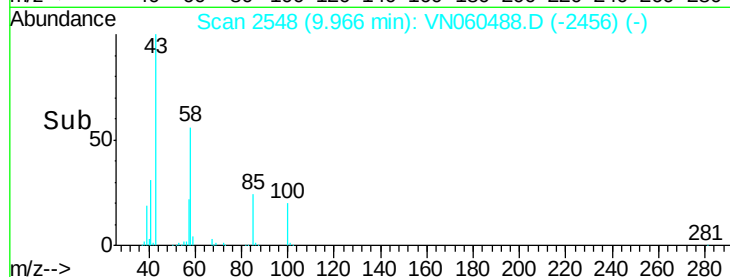
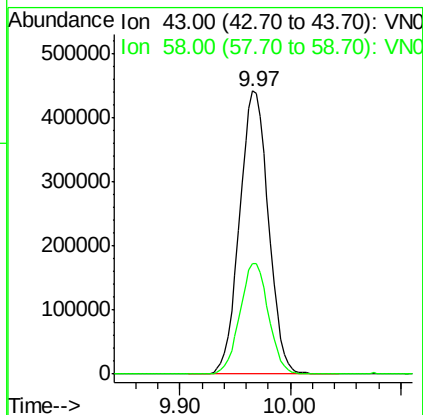
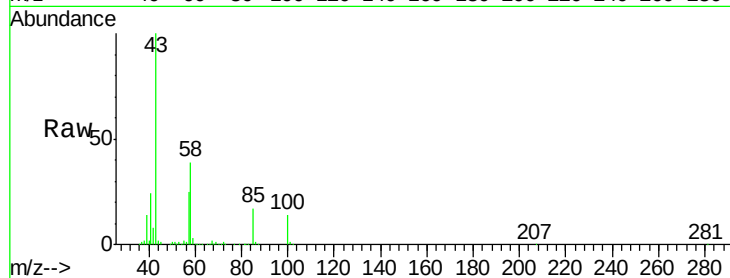
58 38.7 30.9 46.3

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3/16/2020 2:04:44 PM



#52

Toluene

Concen: 48.087 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060488.D

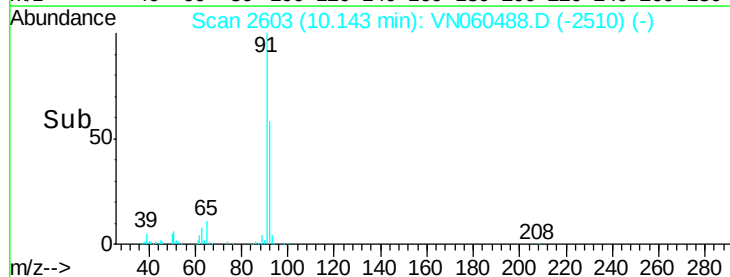
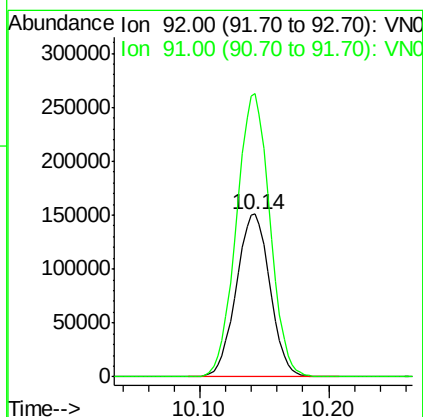
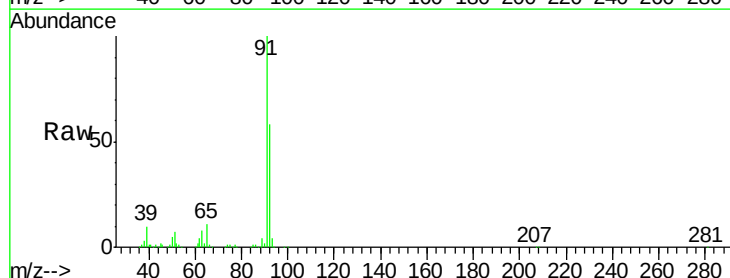
Acq: 13 Mar 2020 9:06

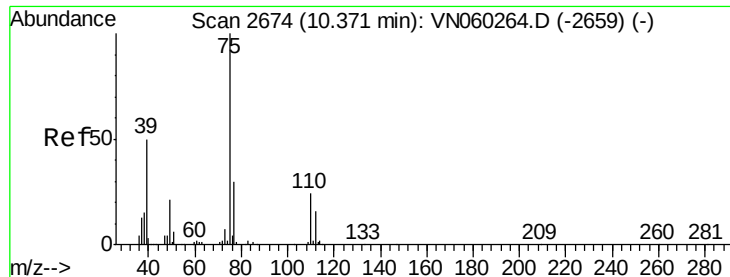
Tgt Ion: 92 Resp: 274339

Ion Ratio Lower Upper

92 100

91 173.0 138.1 207.1





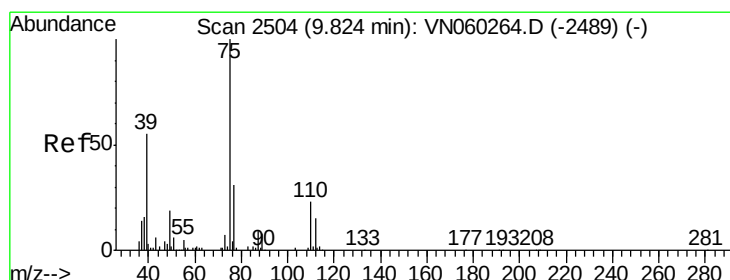
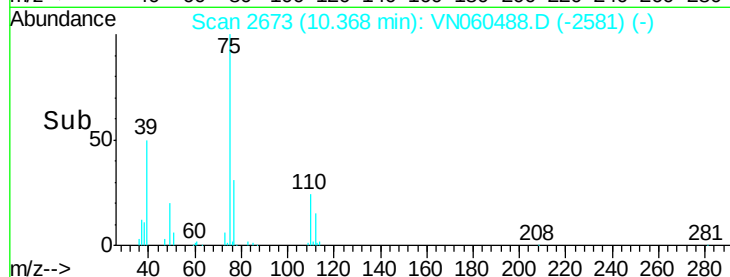
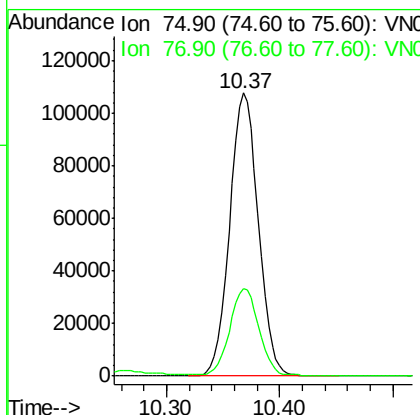
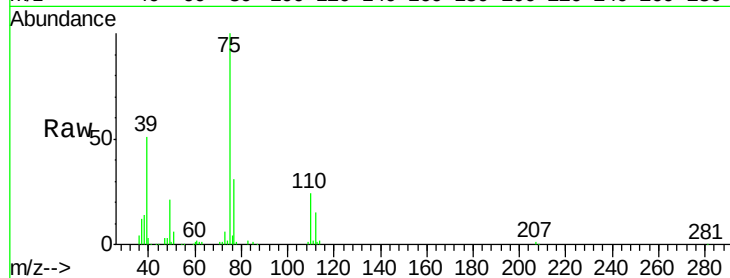
#53
t-1,3-Dichloropropene
Concen: 49.386 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.8	37.2

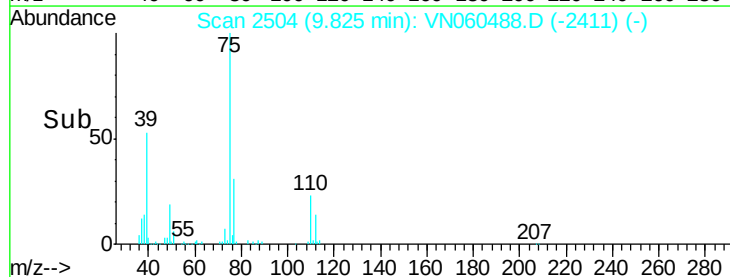
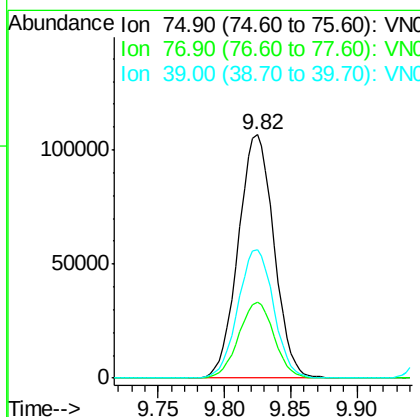
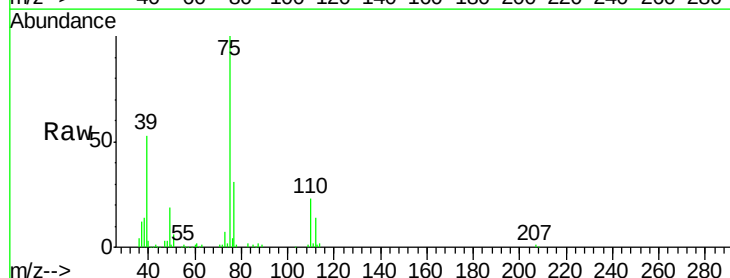
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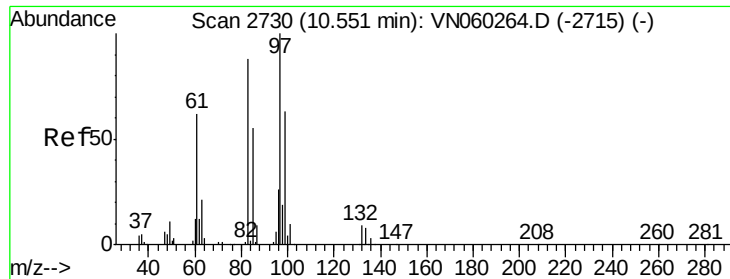
MMDadoda
3/16/2020 2:04:44 PM



#54
cis-1,3-Dichloropropene
Concen: 50.115 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.8	37.2
39	52.9	43.8	65.8





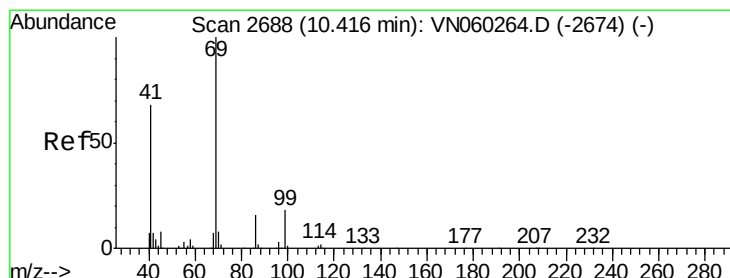
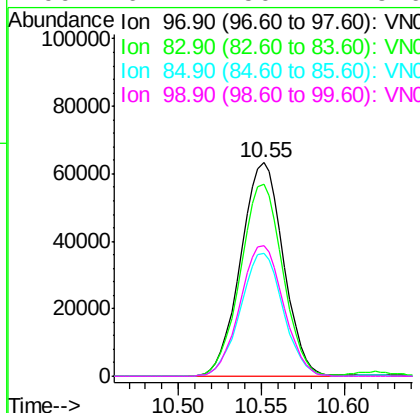
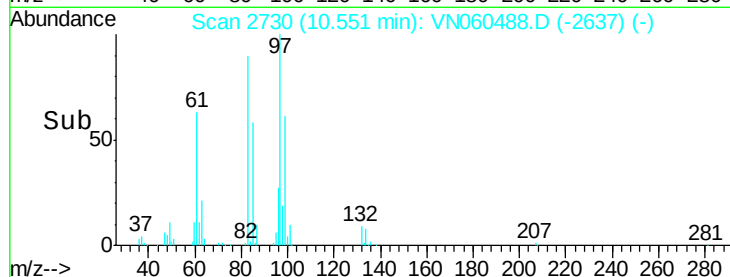
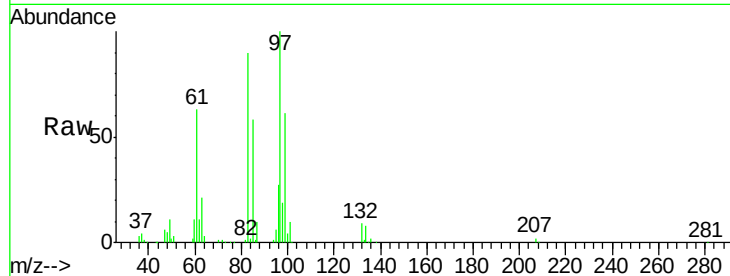
#55
 1,1,2-Trichloroethane
 Concen: 49.392 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		113318		
83	90.1	70.0	105.0		
85	57.8	44.0	66.0		
99	61.4	50.4	75.6		

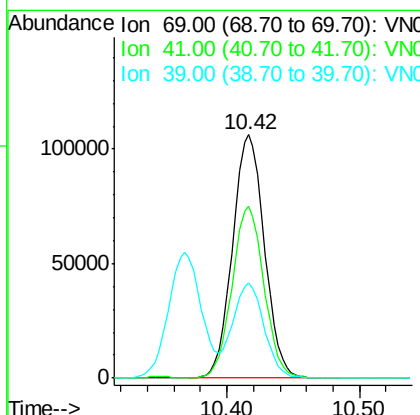
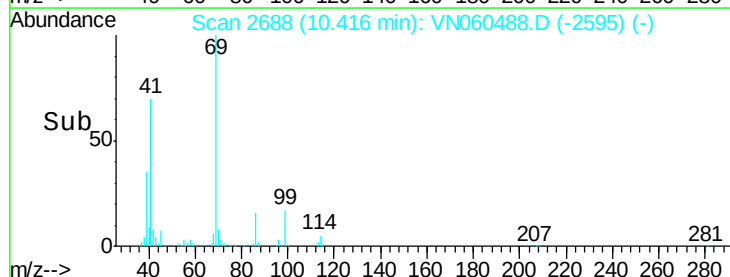
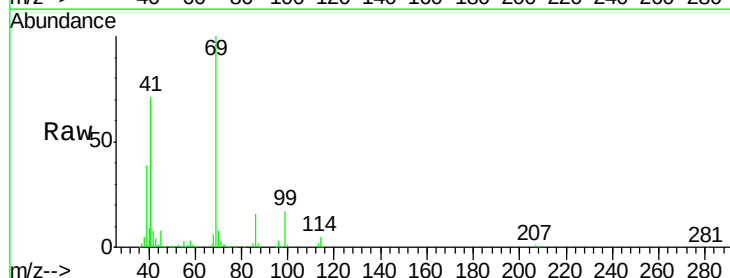
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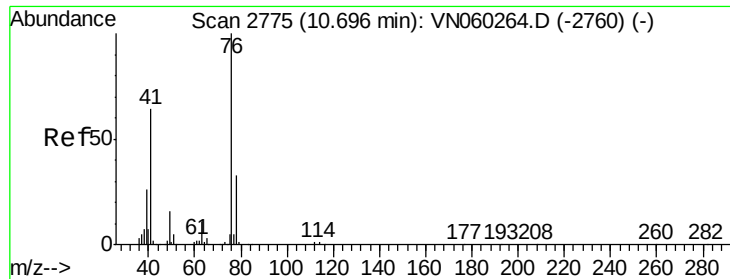
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#56
 Ethyl methacrylate
 Concen: 53.901 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		177660		
41	69.7	54.1	81.1		
39	38.4	32.5	48.7		





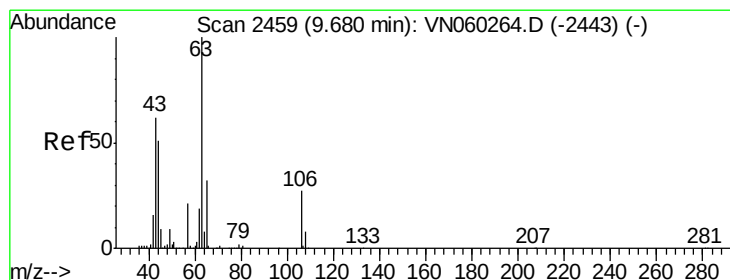
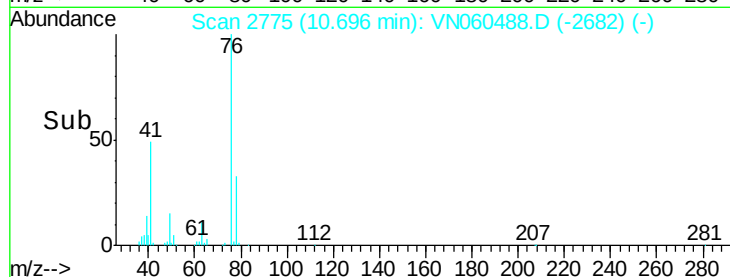
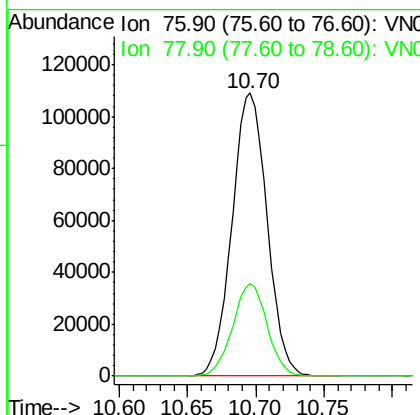
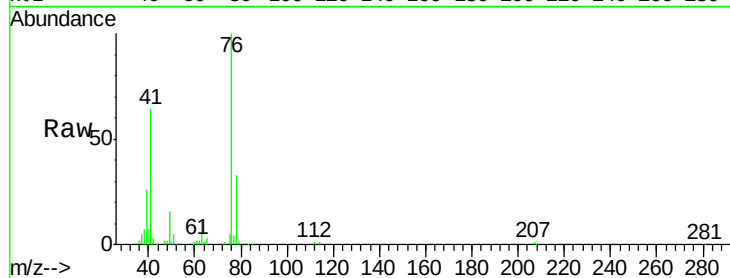
#57
 1,3-Dichloropropane
 Concen: 52.044 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.2

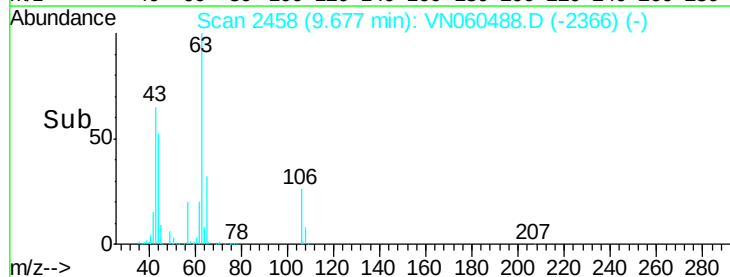
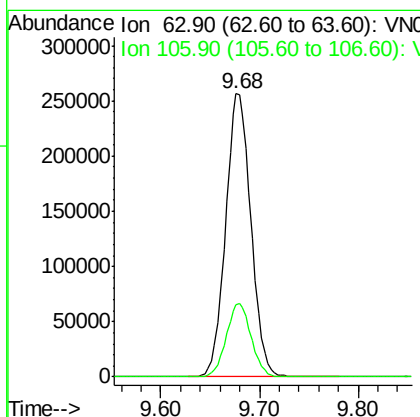
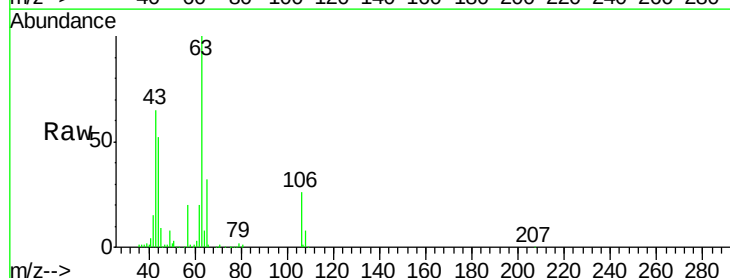
Manual Integrations
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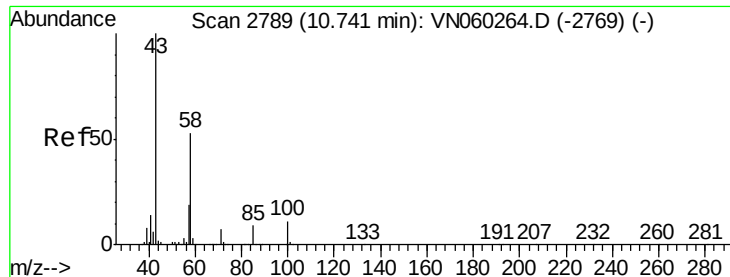
MMDadoda
 3/16/2020 2:04:44 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.430 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.5	21.1	31.7





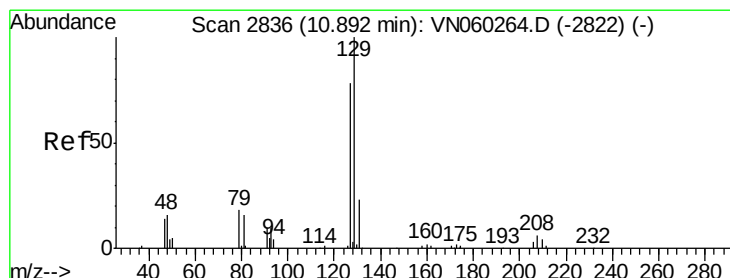
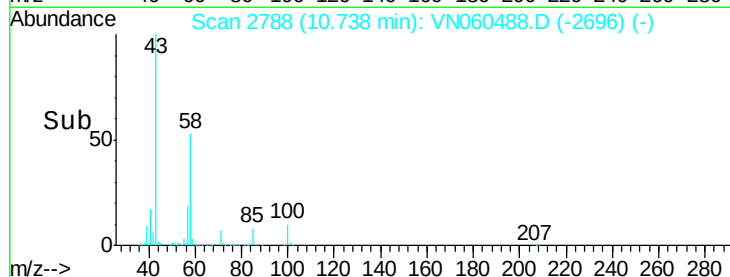
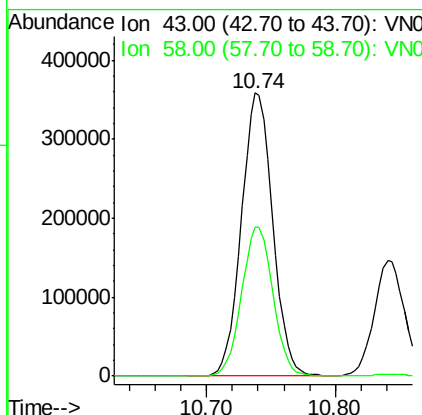
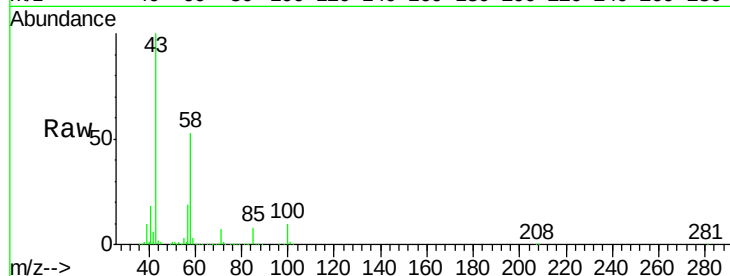
#59
2-Hexanone
Concen: 281.128 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.7	26.5	79.5

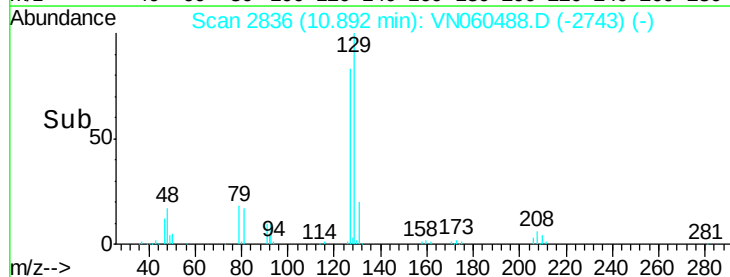
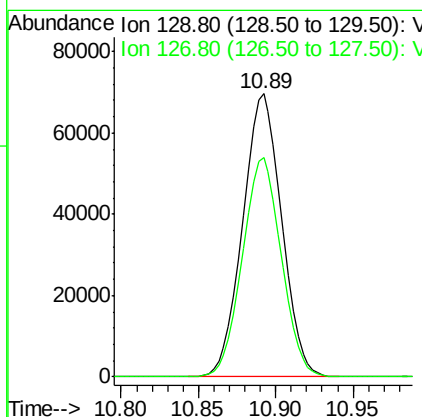
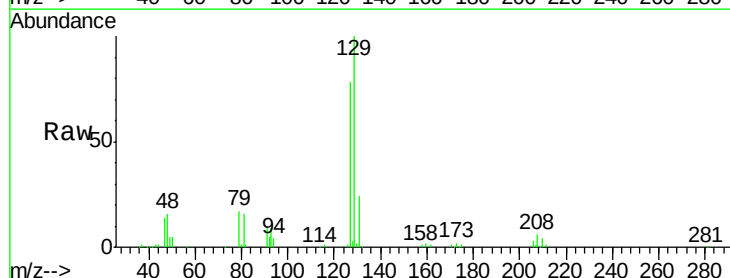
Manual Integrations
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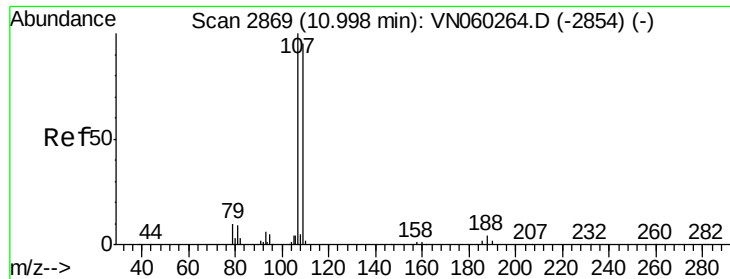
MMDadoda
3/16/2020 2:04:44 PM



#60
Dibromochloromethane
Concen: 52.403 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.9	116.7





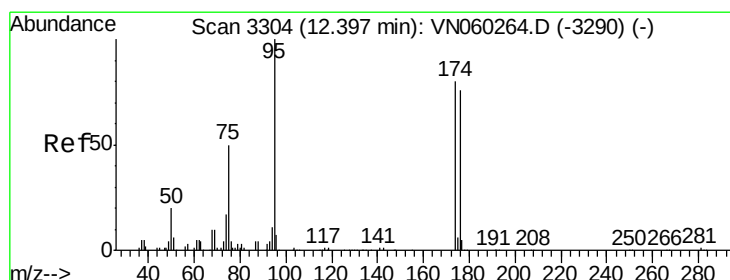
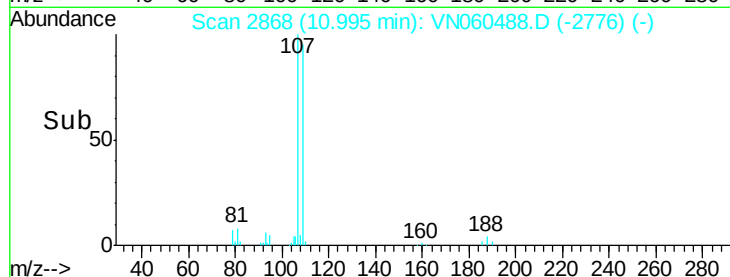
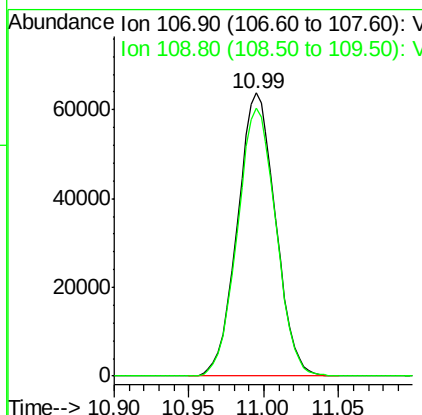
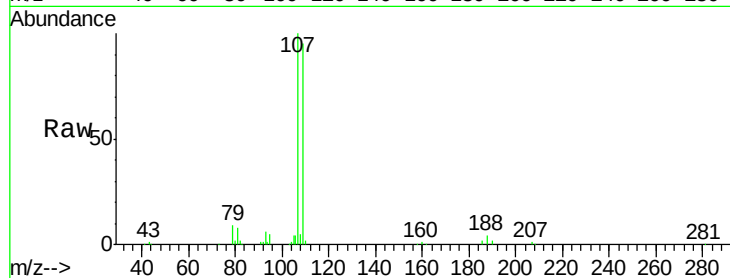
#61
 1,2-Dibromoethane
 Concen: 50.481 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	76.8	115.2

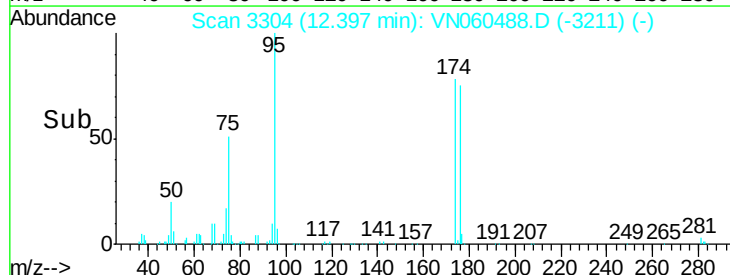
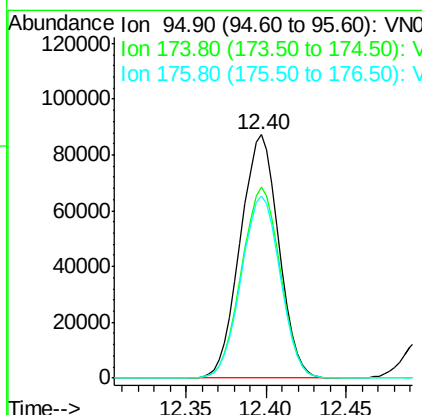
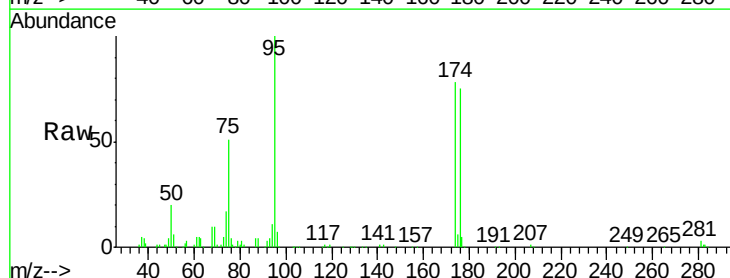
Manual Integrations
 APPROVED

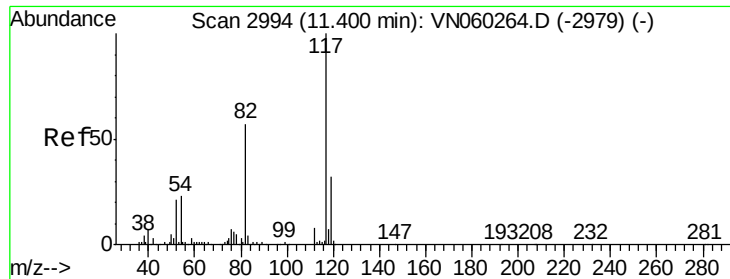
MMDadoda
 3/16/2020 2:04:44 PM



#62
 4-Bromofluorobenzene
 Concen: 49.174 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.2	0.0	159.2
176	75.9	0.0	153.8





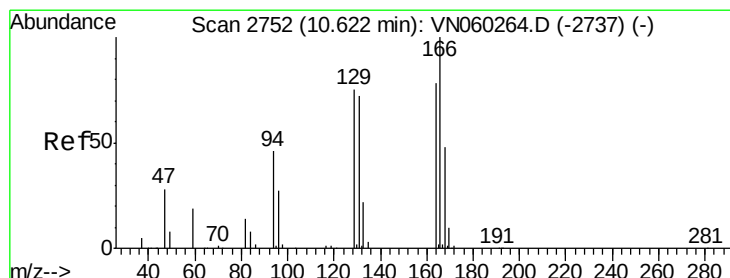
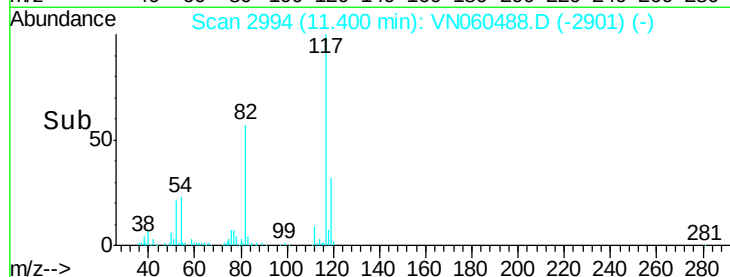
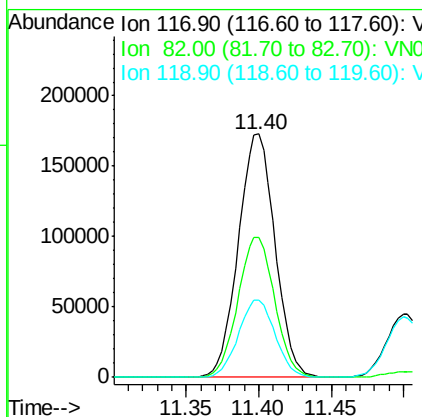
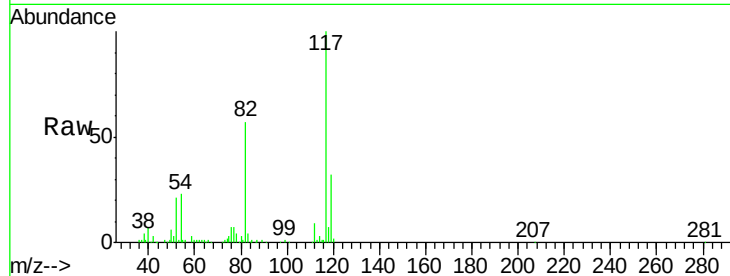
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	304035		
82	57.2		45.8	68.6
119	31.7		25.8	38.8

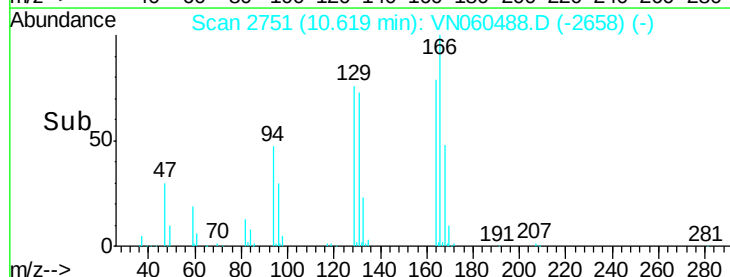
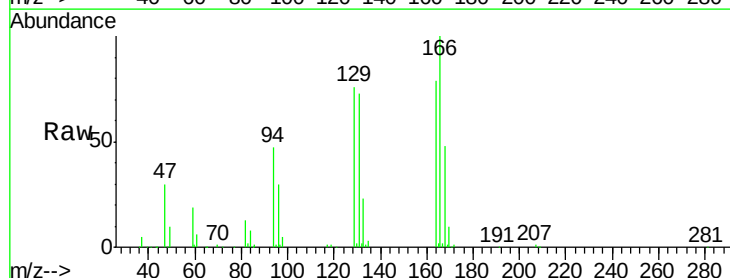
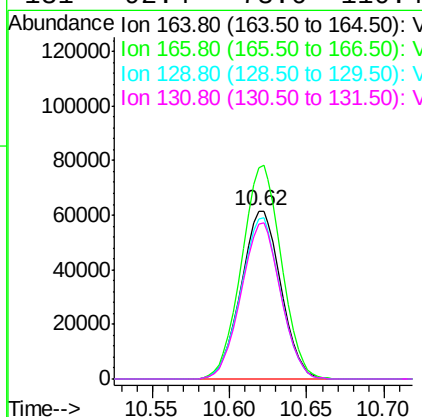
Manual Integrations
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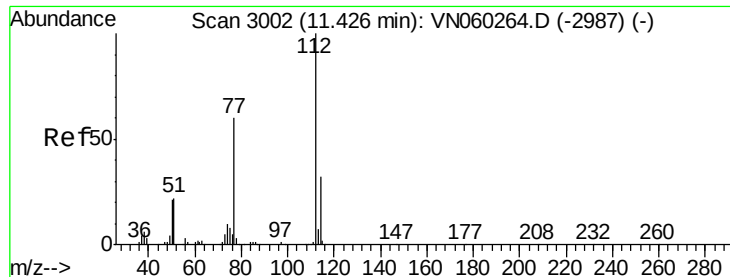
MMDadoda
3/16/2020 2:04:44 PM



#64
Tetrachloroethene
Concen: 46.015 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	110422		
166	126.2		102.0	153.0
129	95.7		76.4	114.6
131	92.4		73.6	110.4





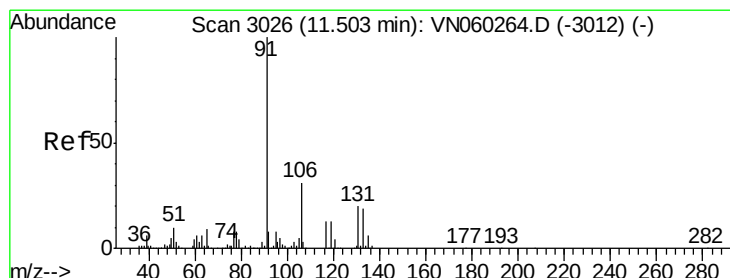
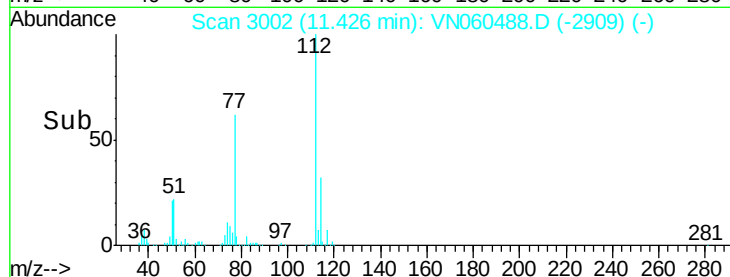
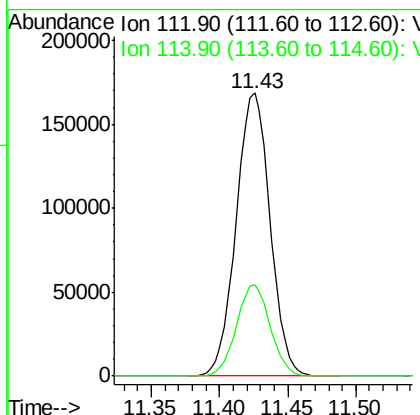
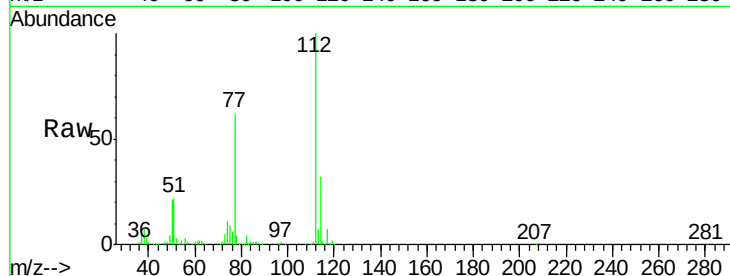
#65
Chlorobenzene
Concen: 47.493 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.4	38.0

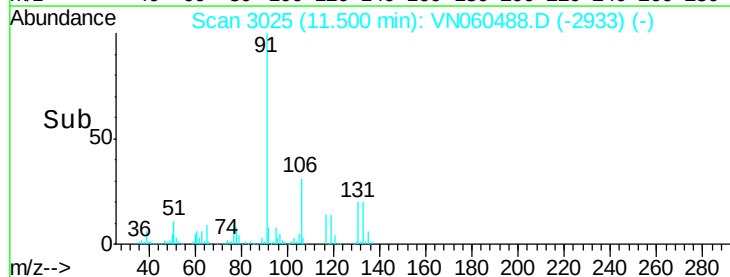
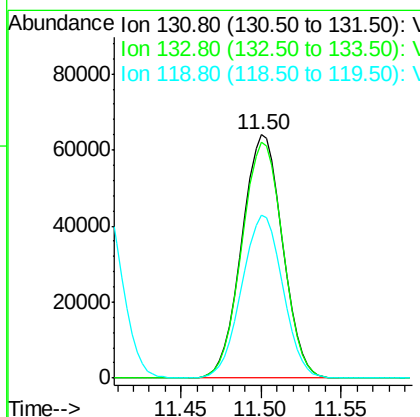
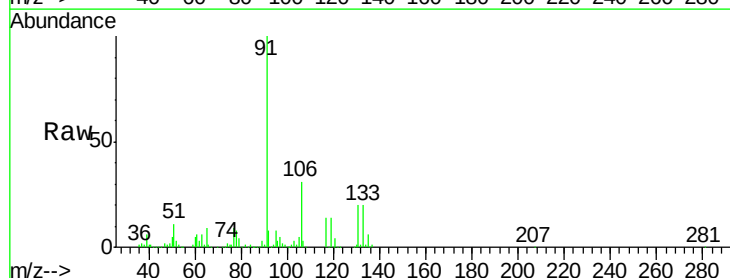
Manual Integrations
APPROVED

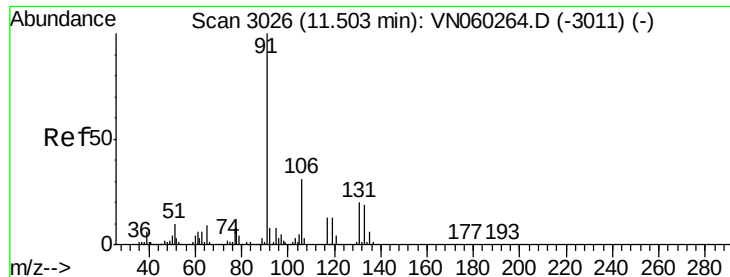
MMDadoda
3/16/2020 2:04:44 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.108 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.5	47.7	143.1
119	67.5	33.2	99.6





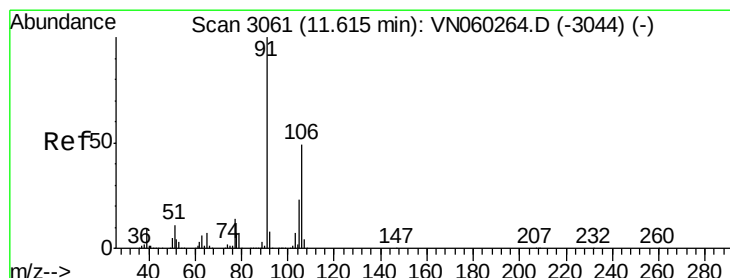
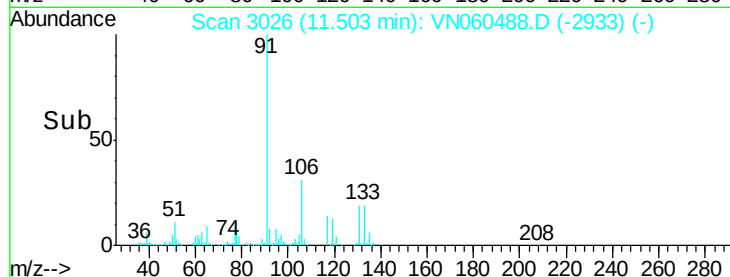
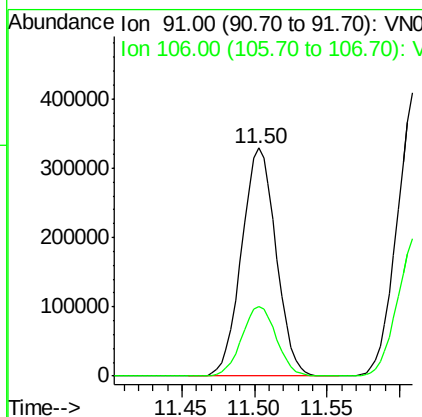
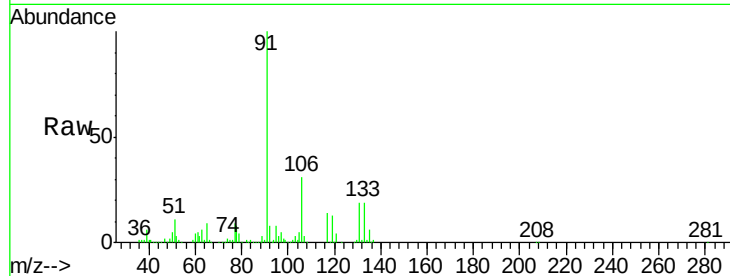
#67
Ethyl Benzene
Concen: 48.636 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 543757
Ion Ratio Lower Upper
91 100
106 30.6 24.7 37.1

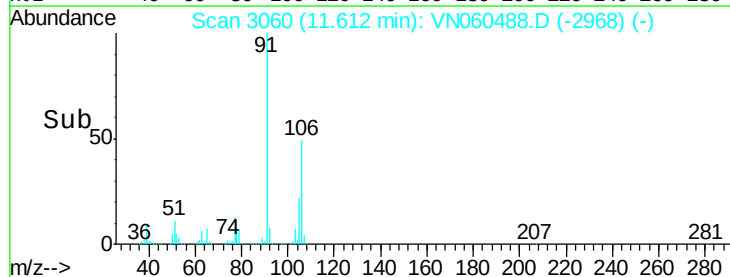
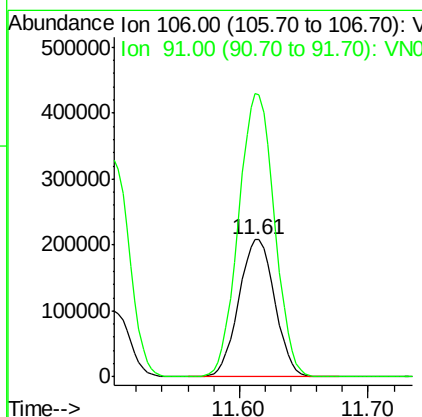
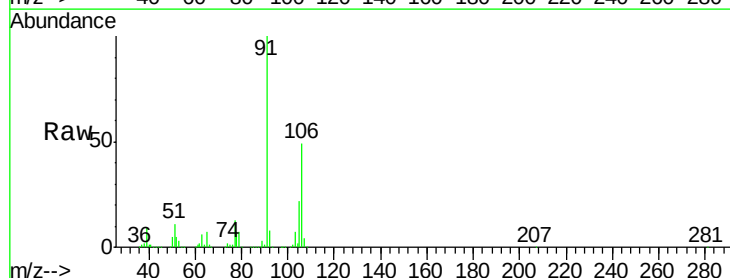
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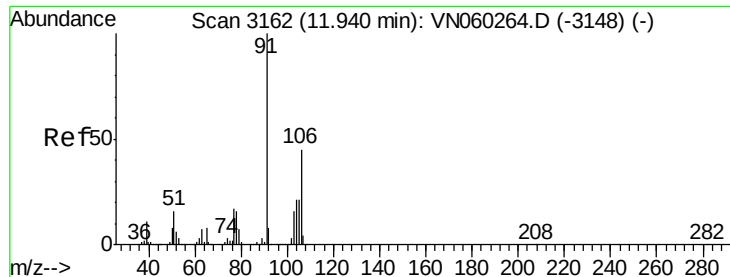
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#68
m/p-Xylenes
Concen: 95.759 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion: 106 Resp: 403925
Ion Ratio Lower Upper
106 100
91 205.5 164.5 246.7





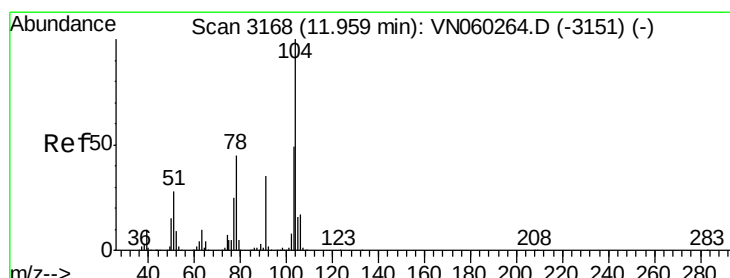
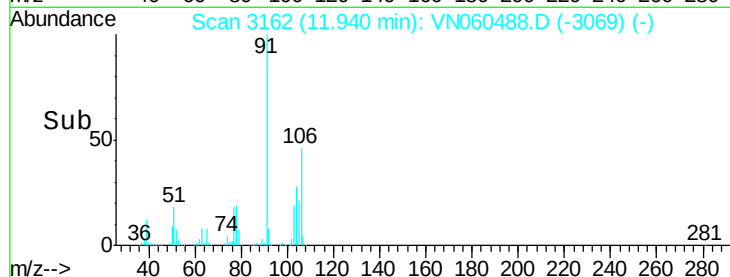
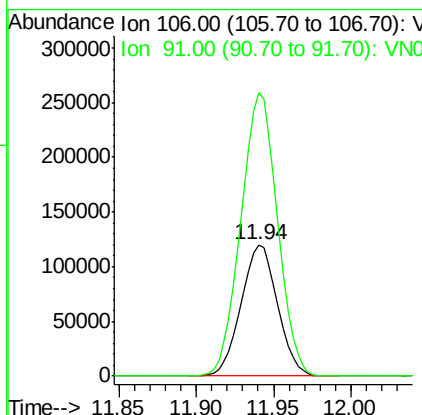
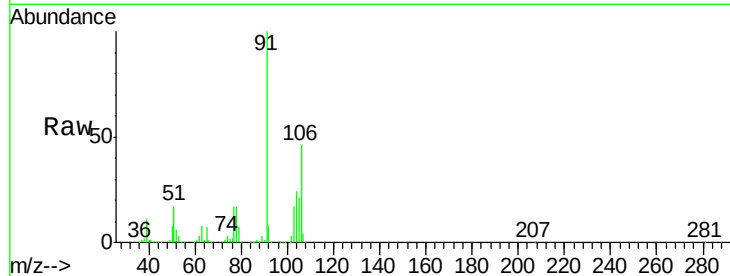
#69
o-Xylene
Concen: 48.852 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		196501		
91	217.4	109.5	328.4		

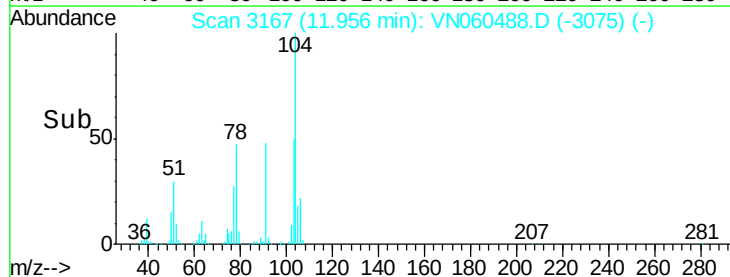
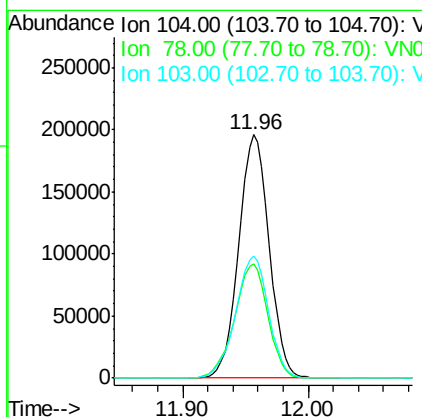
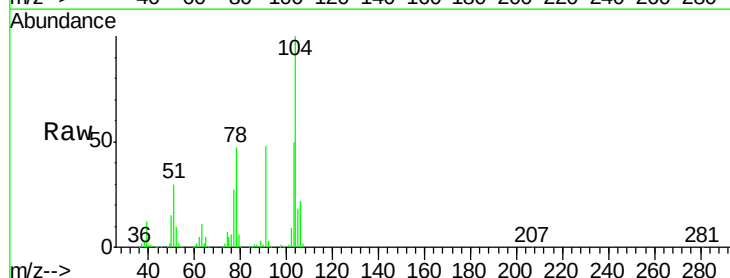
Manual Integrations
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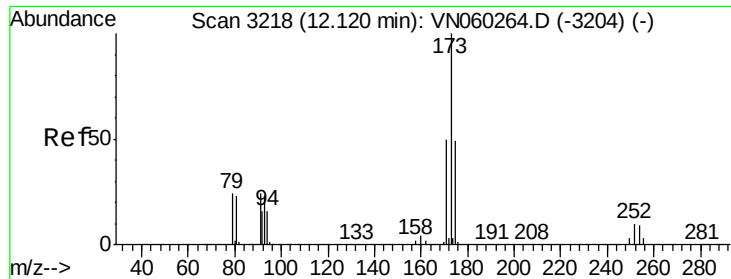
MMDadoda
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#70
Styrene
Concen: 49.906 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		330045		
78	51.4	41.2	61.8		
103	54.5	43.9	65.9		





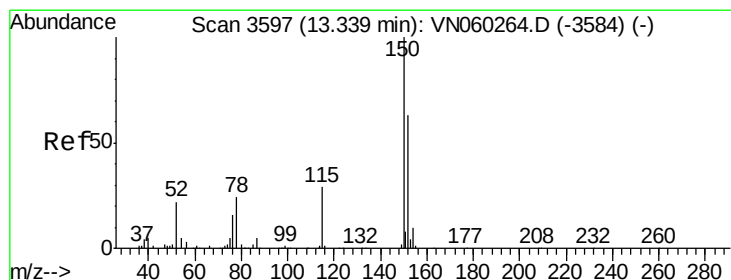
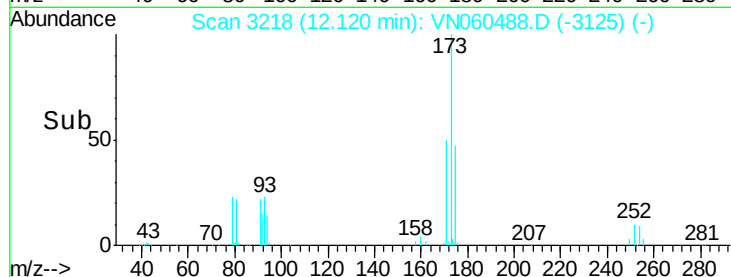
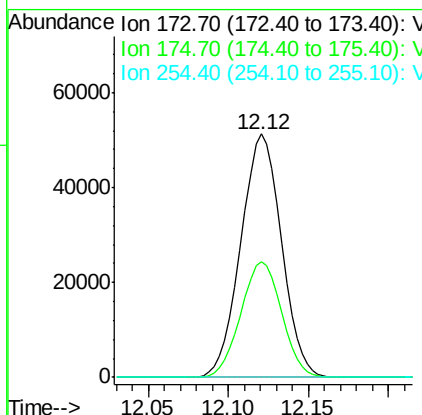
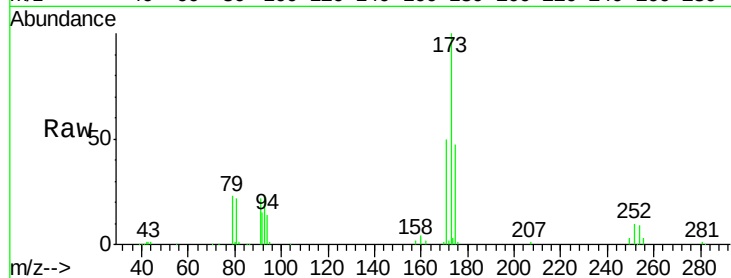
#71
Bromoform
Concen: 54.527 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.1	72.2
254	0.0	0.0	0.0

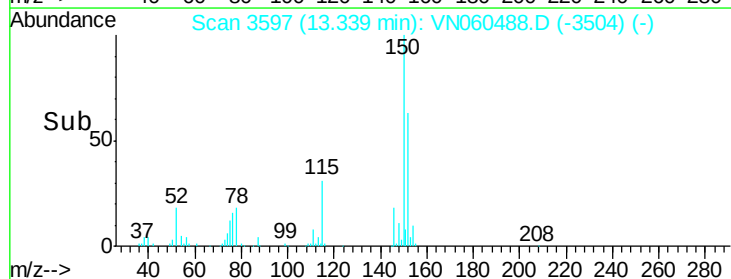
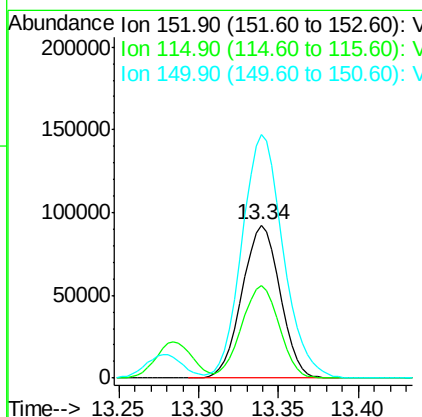
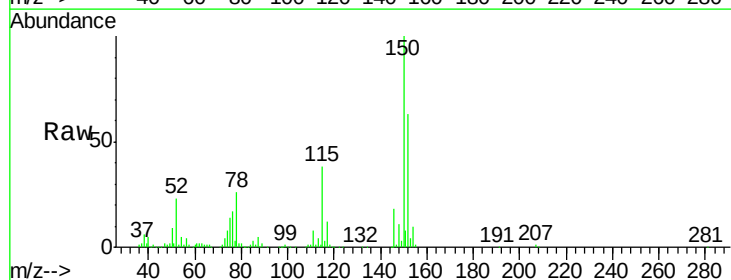
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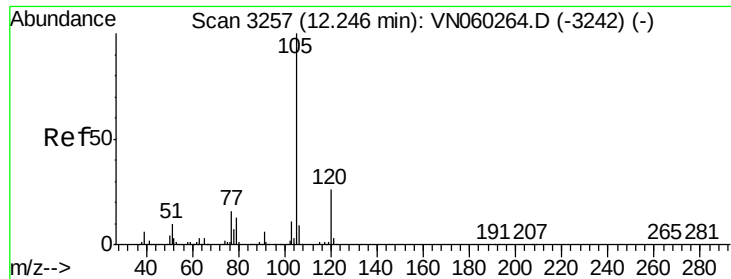
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.0	90.0
150	172.4	0.0	349.6





#73

Isopropylbenzene

Concen: 47.658 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 530760

Ion Ratio Lower Upper

105 100

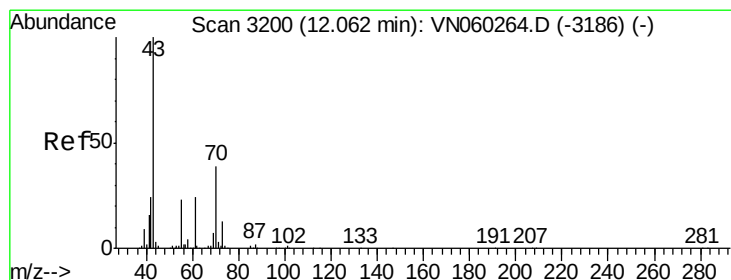
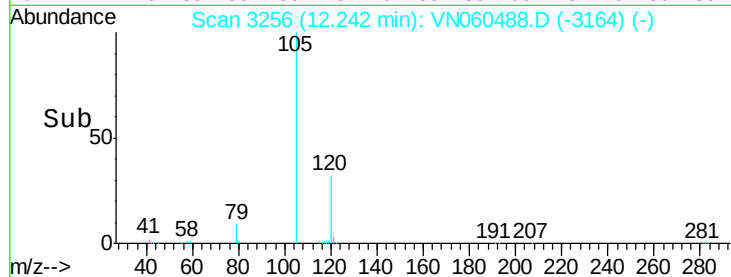
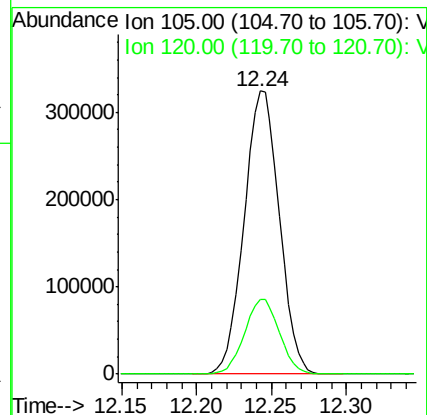
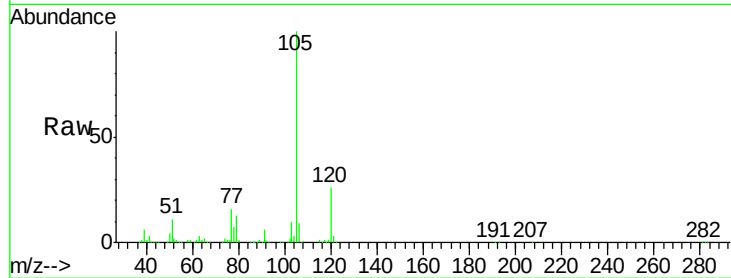
120 26.2 13.0 38.9

Manual Integrations

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3/16/2020 2:04:44 PM



#74

N-ethyl acetate

Concen: 50.613 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Tgt Ion: 43 Resp: 246312

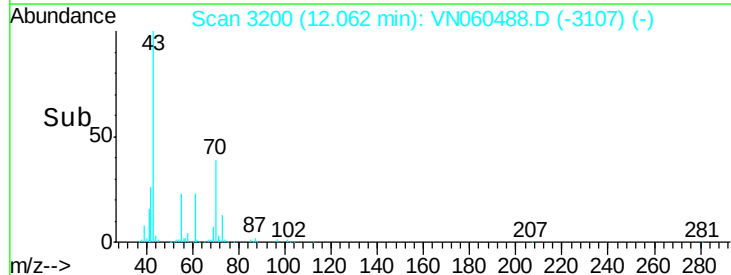
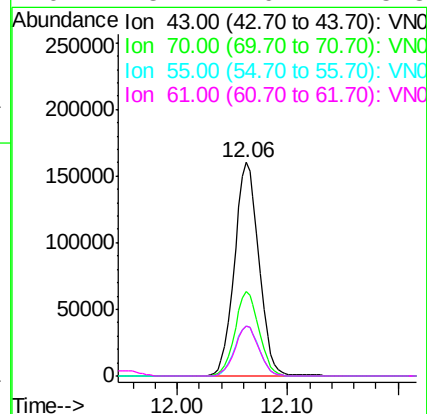
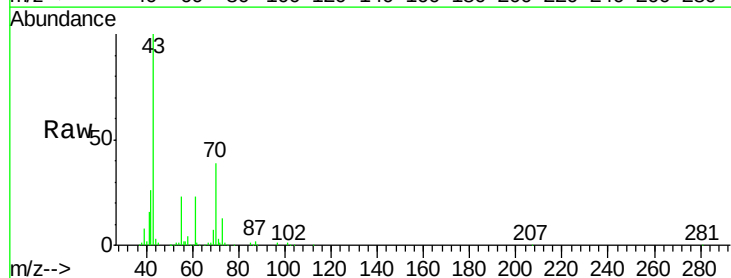
Ion Ratio Lower Upper

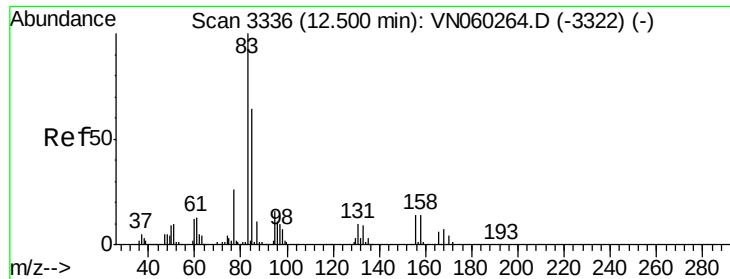
43 100

70 39.0 32.2 48.2

55 23.4 18.2 27.4

61 23.1 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 54.336 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

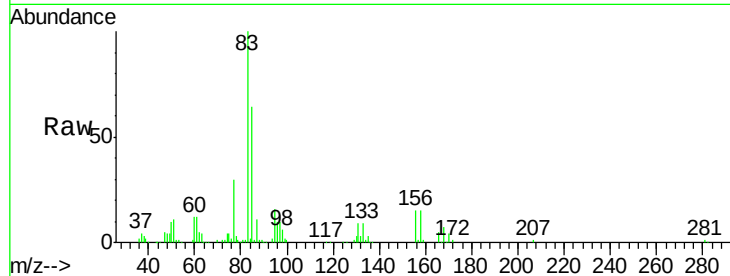
ClientSampleId :

VSTDCCC050

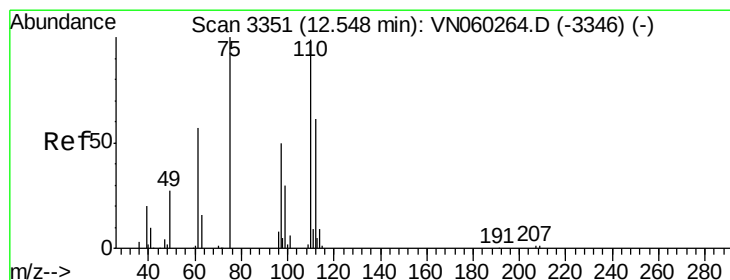
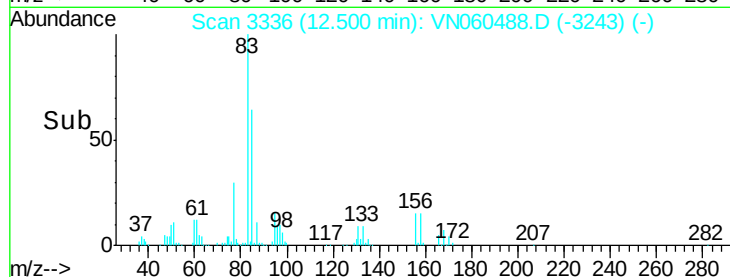
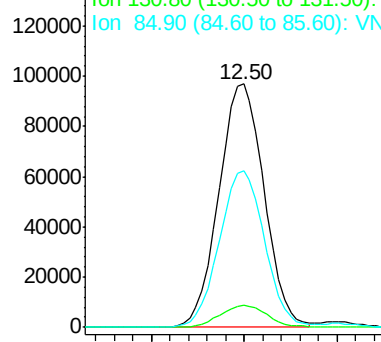
Tot Ion:	83	Resp:	164493
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.1	15.3
85	64.3	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060488.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 44.526 ug/l m

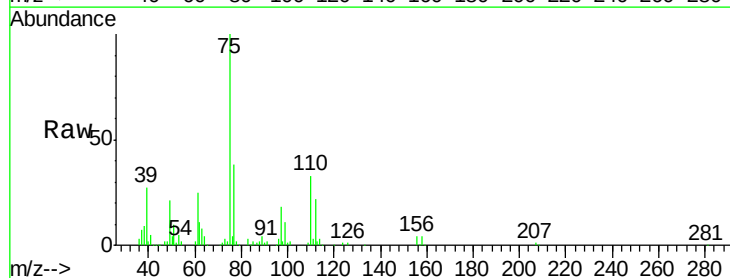
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

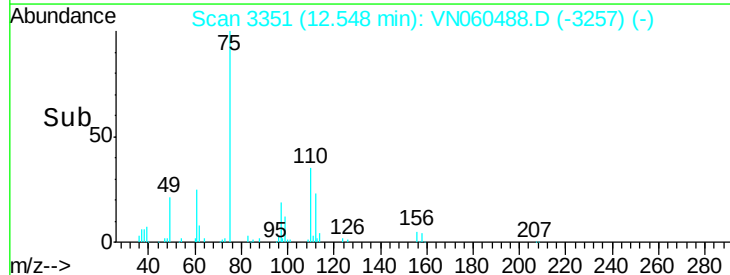
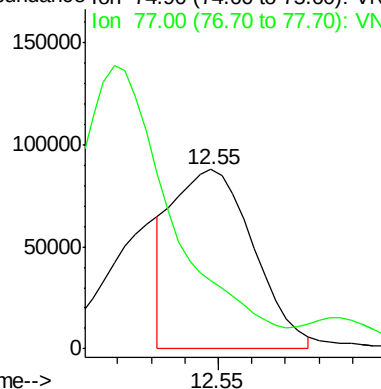
Lab File: VN060488.D

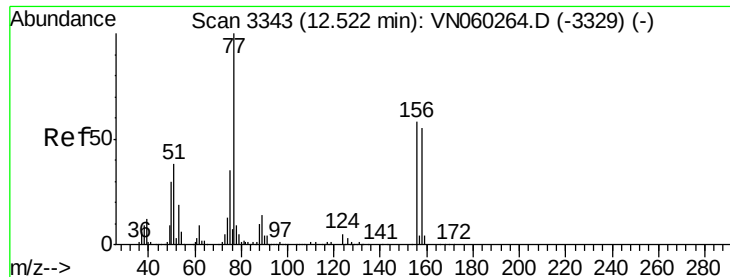
Acq: 13 Mar 2020 9:06

Tgt Ion:	75	Resp:	146788
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060488.D (-3257) (-)





#77

Bromobenzene

Concen: 47.038 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

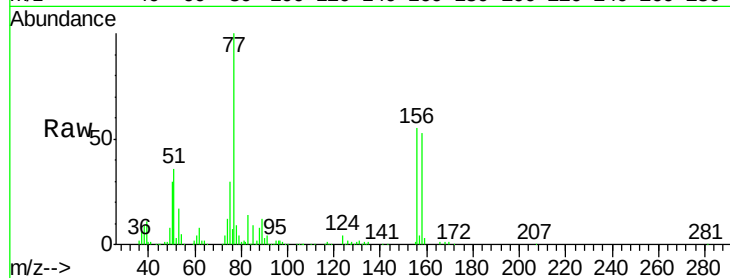
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	128411
Ion Ratio	Lower	Upper	
156	100		
77	219.9	106.1	318.3
158	97.2	48.3	144.8

Manual Integrations
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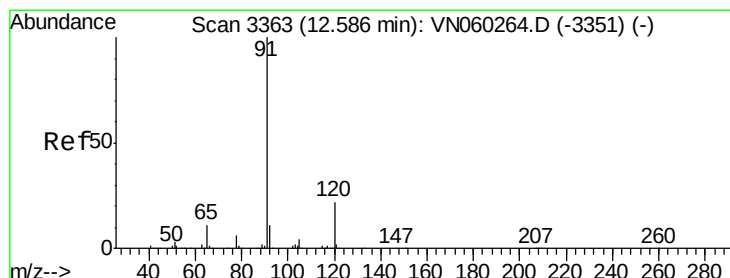
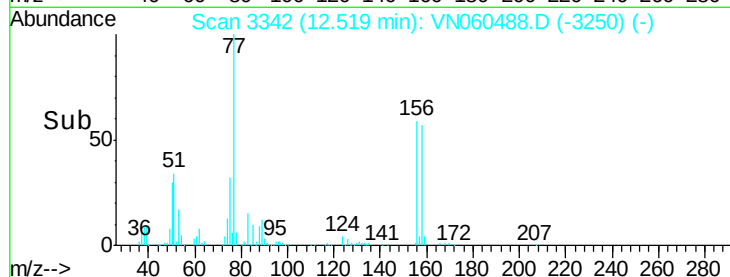
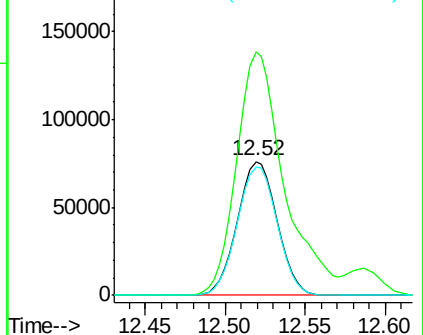
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.389 ug/l

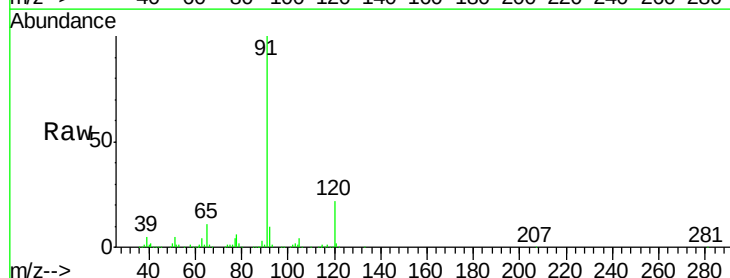
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060488.D

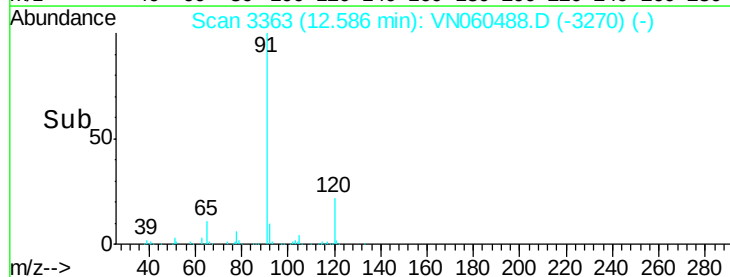
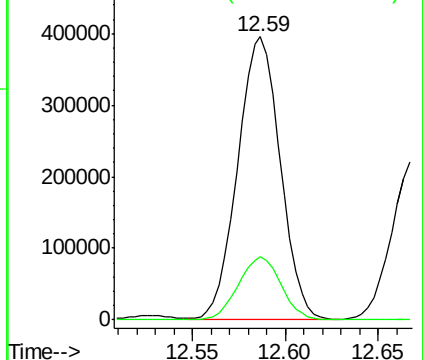
Acq: 13 Mar 2020 9:06

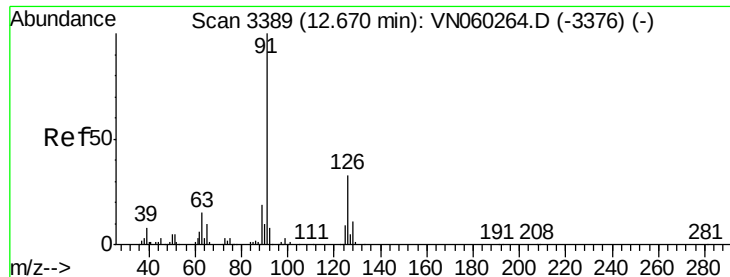
Tgt Ion:	91	Resp:	631701
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.203 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 369897

Ion Ratio Lower Upper

91 100

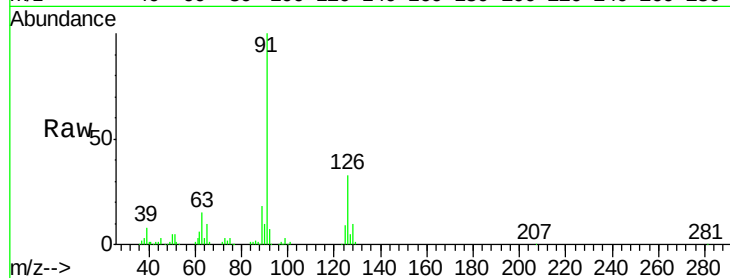
126 32.8 16.6 49.8

Manual Integrations

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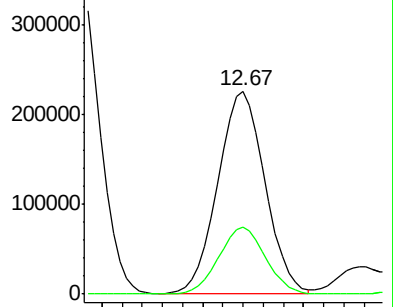
MMDadoda

3/16/2020 2:04:44 PM

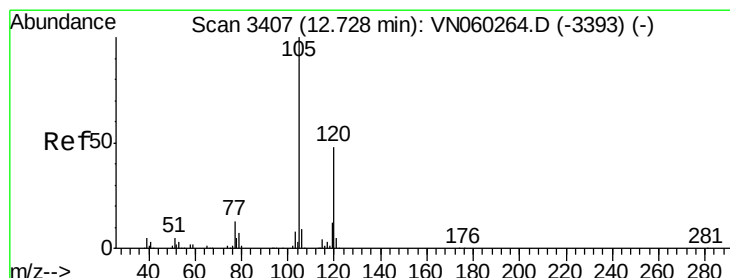
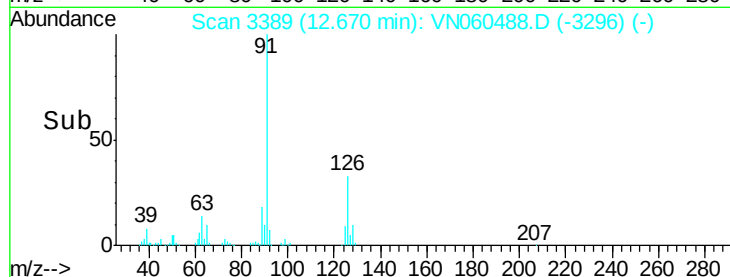


Abundance Ion 91.00 (90.70 to 91.70): VN060488.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060488.D (-3376) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.873 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060488.D

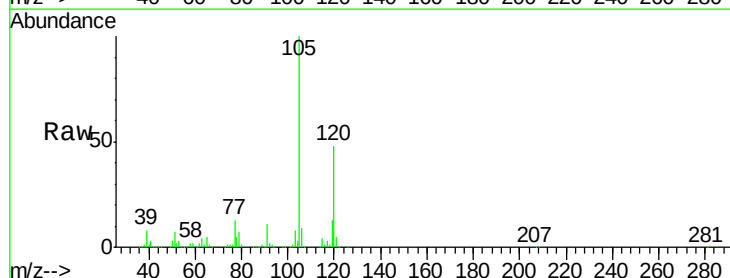
Acq: 13 Mar 2020 9:06

Tgt Ion: 105 Resp: 448892

Ion Ratio Lower Upper

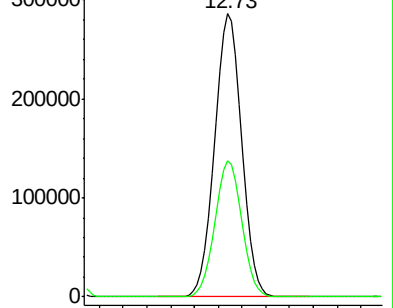
105 100

120 47.9 24.1 72.4

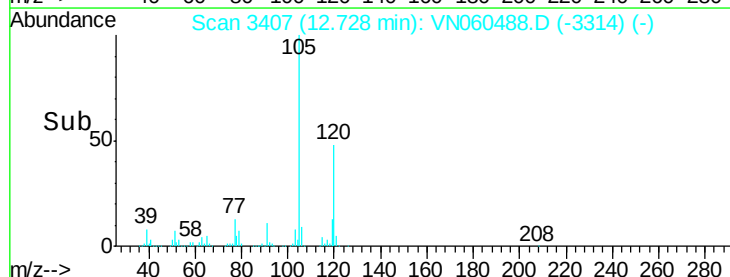


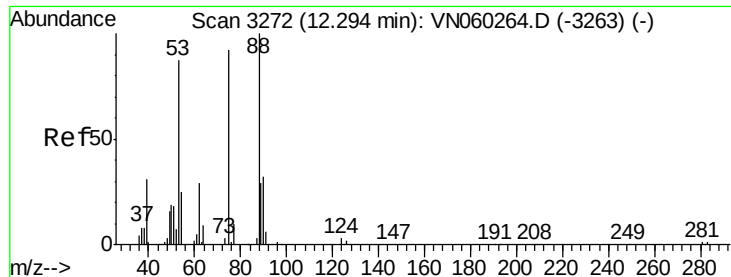
Abundance Ion 105.00 (104.70 to 105.70): VN060488.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN060488.D (-3393) (-)



Time-->





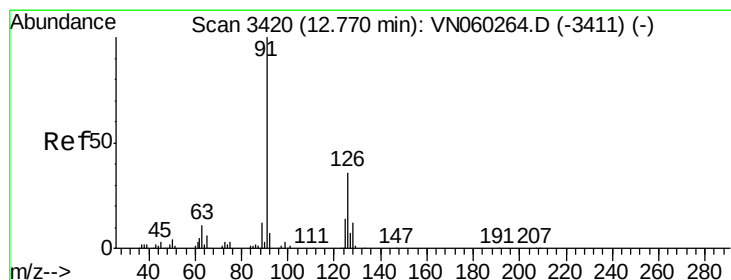
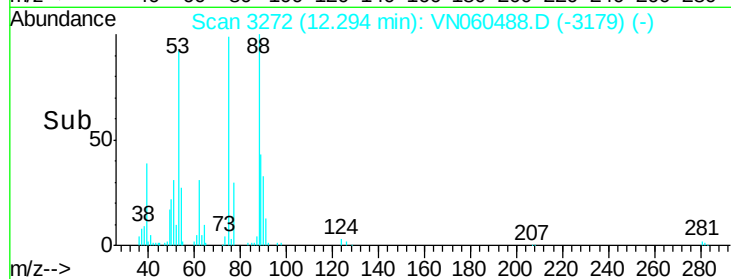
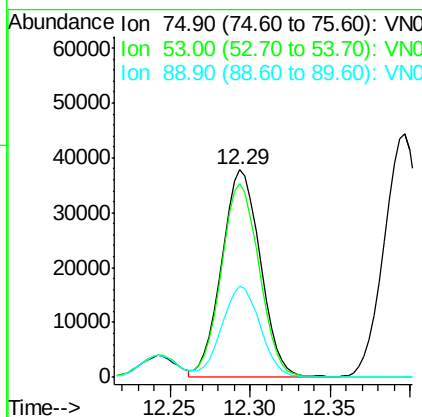
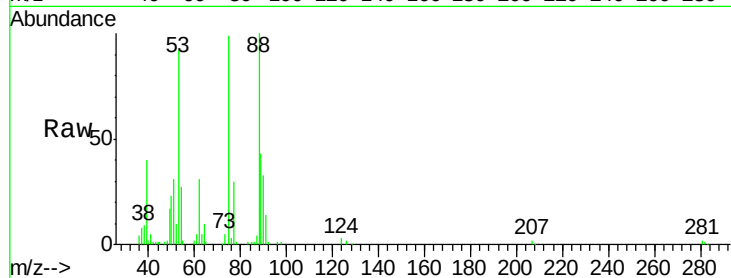
#81
trans-1,4-Dichloro-2-butene
Concen: 52.658 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.9	73.8	110.6
89	43.5	57.1	85.7#

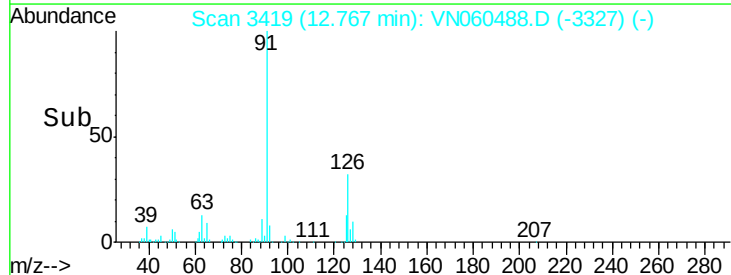
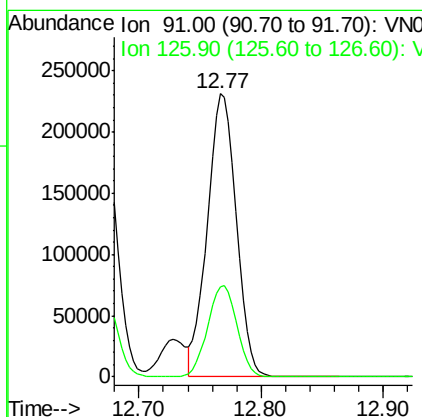
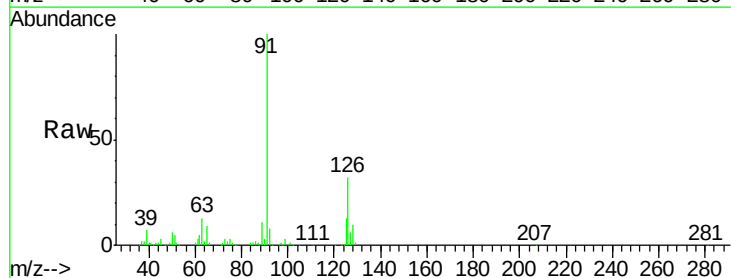
Manual Integrations
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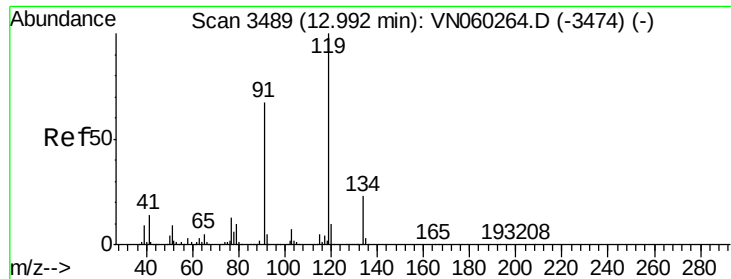
MMDadoda
3/16/2020 2:04:44 PM



#82
4-Chlorotoluene
Concen: 47.501 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.7	50.1





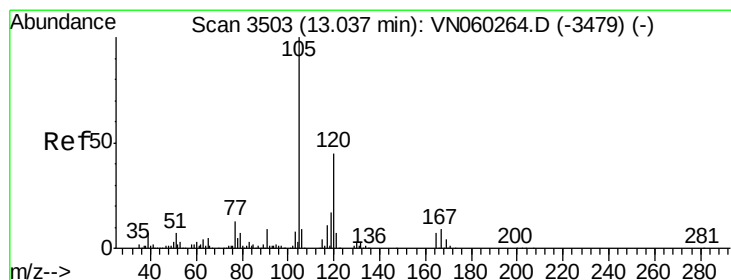
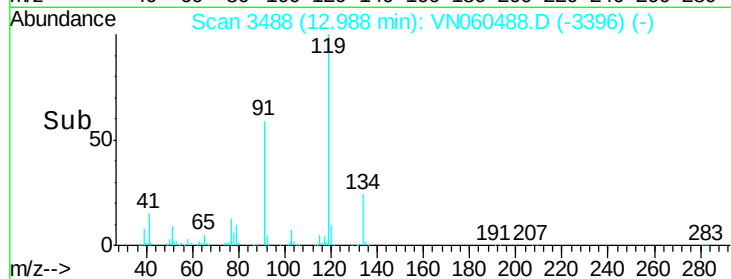
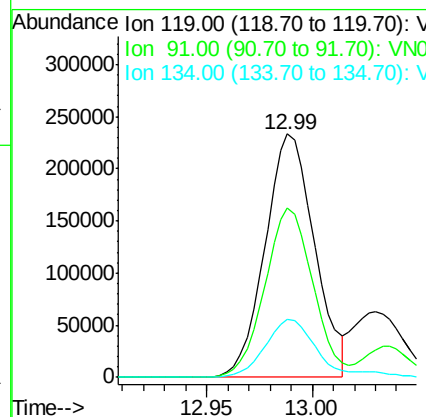
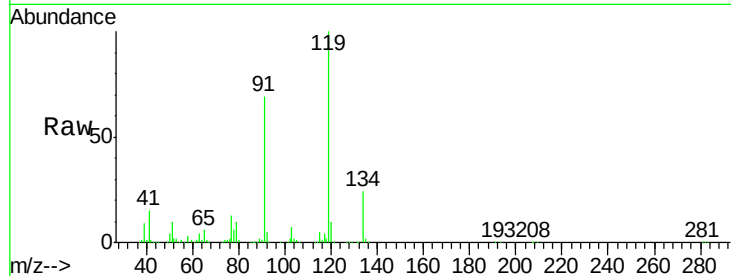
#83
 tert-Butylbenzene
 Concen: 46.947 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	381139		
91	67.8	33.1	99.2	
134	25.3	12.4	37.0	

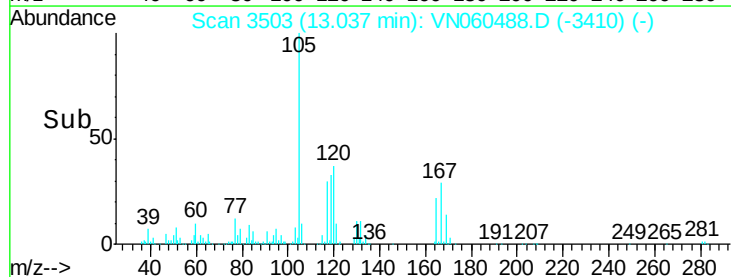
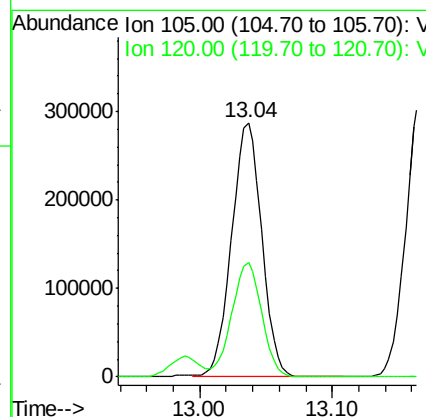
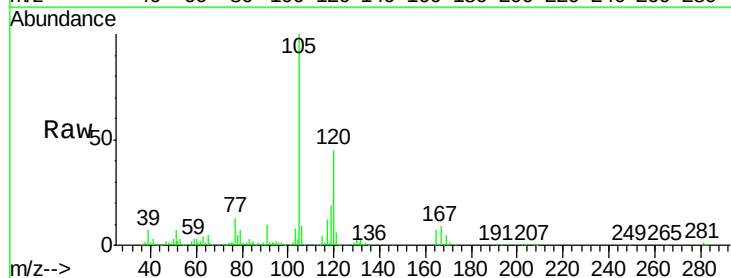
Manual Integrations
 APPROVED

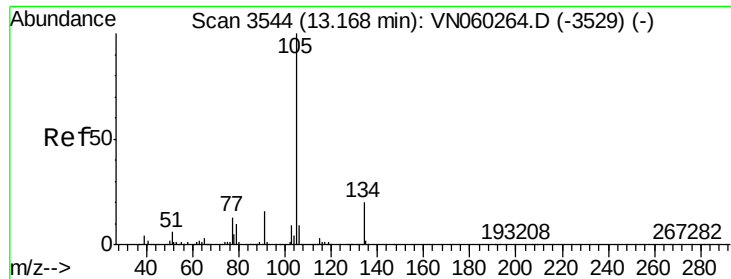
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 3/16/2020 2:04:44 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.924 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	453570		
120	44.6	22.3	66.9	





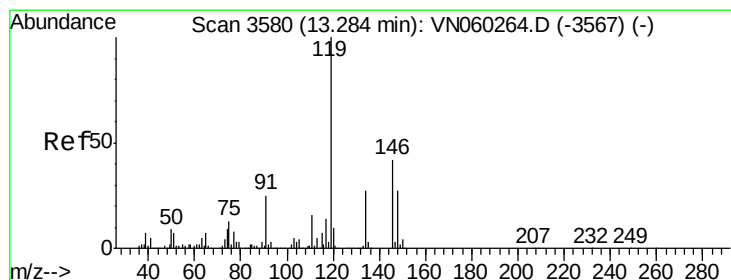
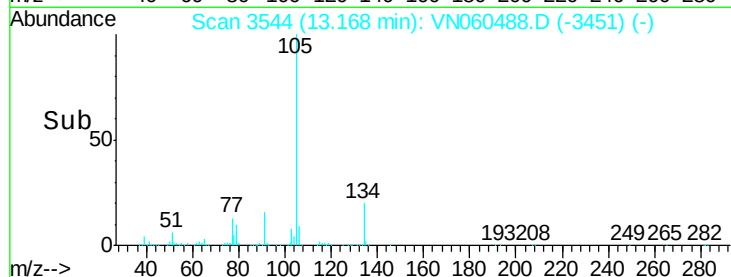
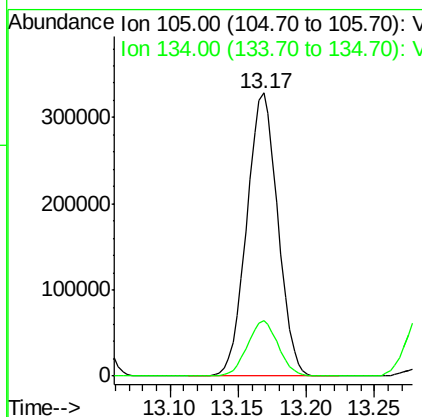
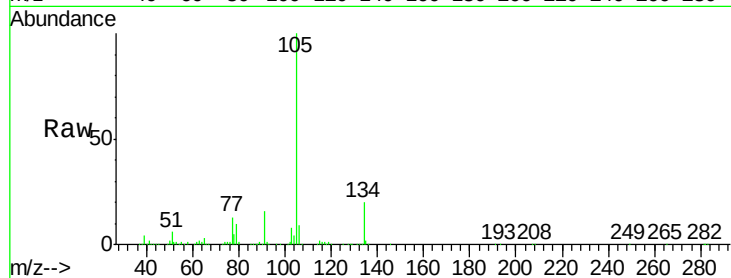
#85
 sec-Butylbenzene
 Concen: 47.760 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	519220		
134	19.5	9.8	29.5	

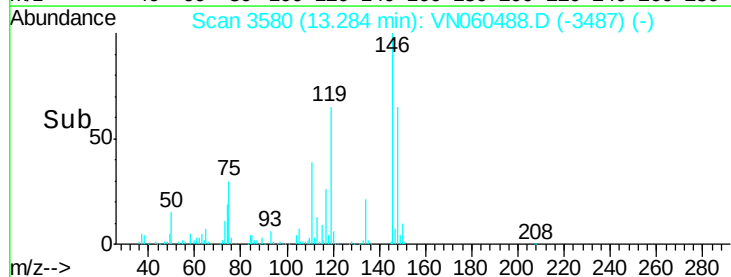
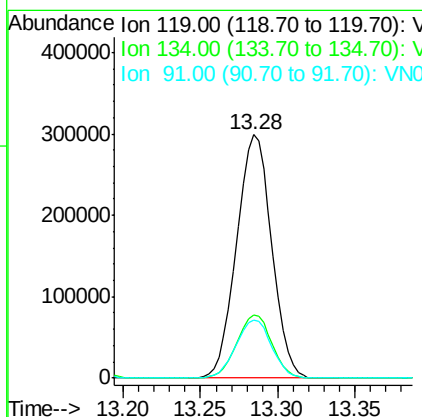
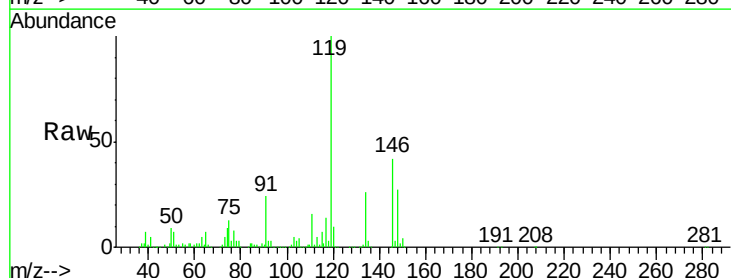
Manual Integrations
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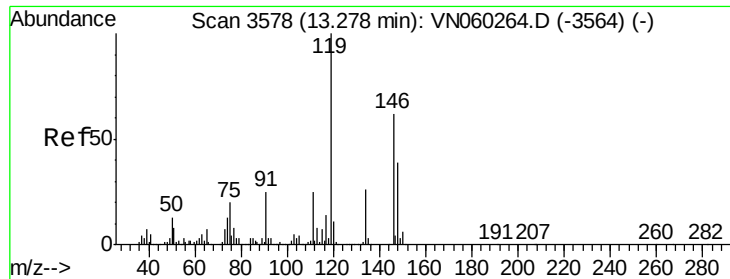
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 3/16/2020 2:04:44 PM



#86
 p-Isopropyltoluene
 Concen: 46.616 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	469055		
134	26.1	13.2	39.6	
91	24.3	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 49.941 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060488.D

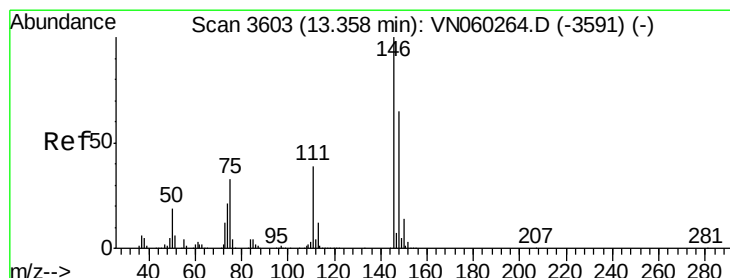
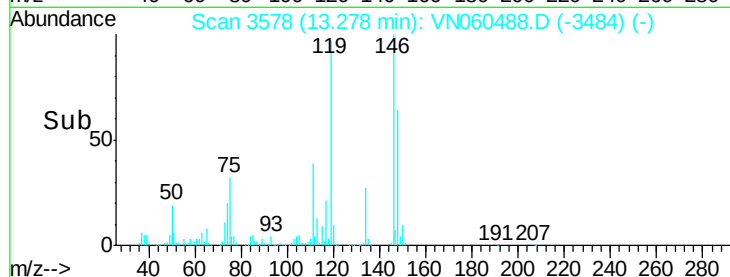
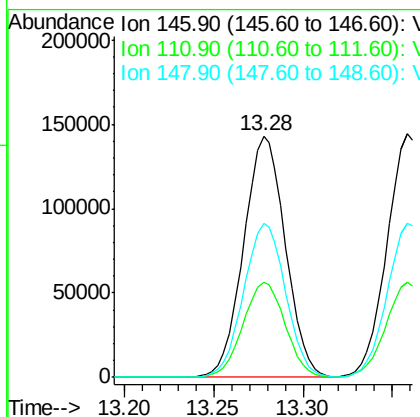
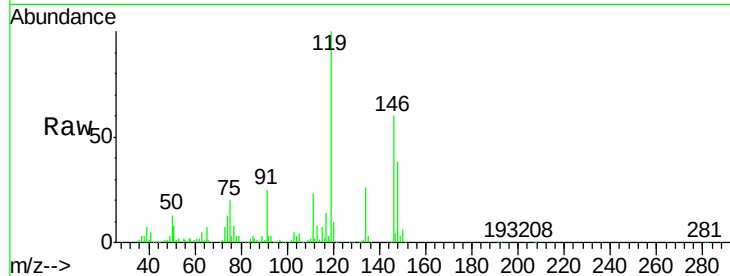
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	234269		
111	39.7	20.0	59.9	
148	64.2	32.1	96.3	

Manual Integrations
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3/16/2020 2:04:44 PM



#88

1,4-Dichlorobenzene

Concen: 50.301 ug/l

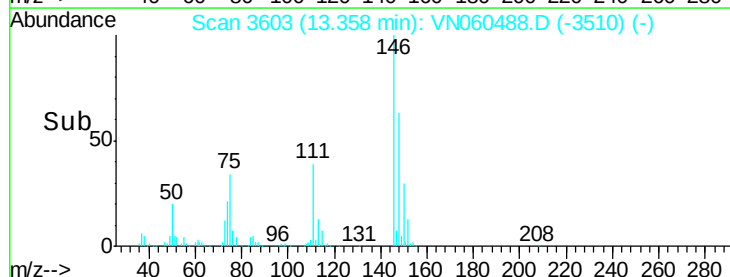
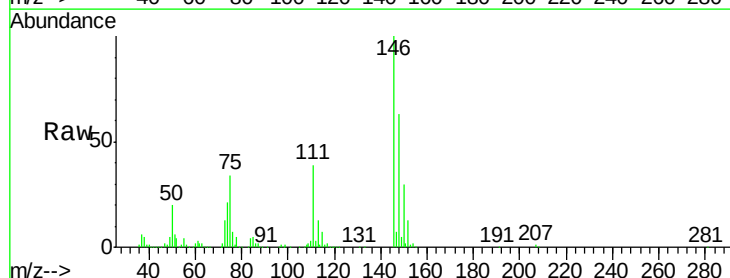
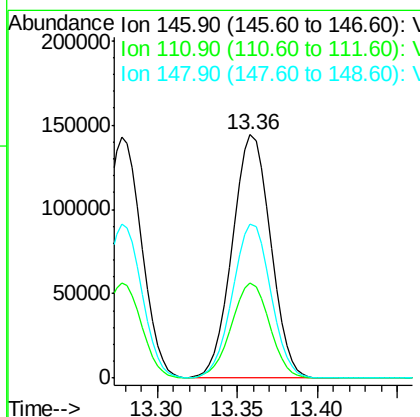
RT: 13.36 min Scan# 3603

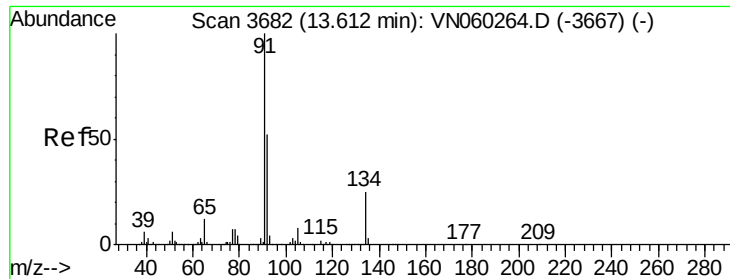
Delta R.T. 0.00 min

Lab File: VN060488.D

Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	234612		
111	39.3	19.8	59.4	
148	63.4	32.3	96.9	





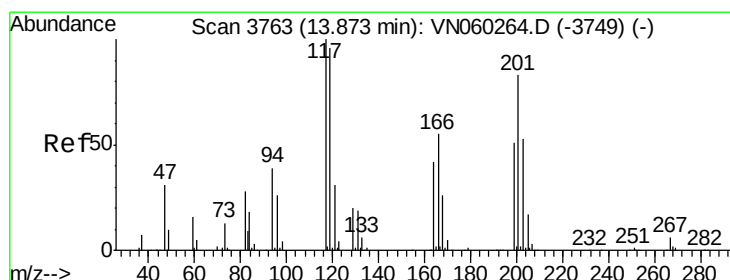
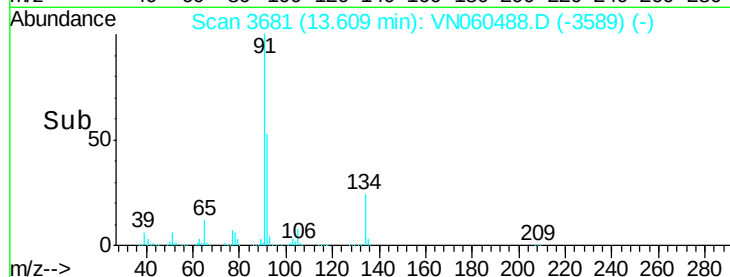
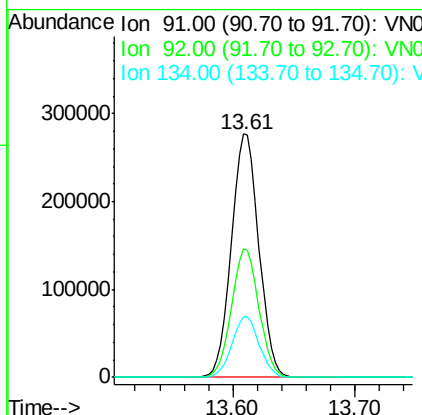
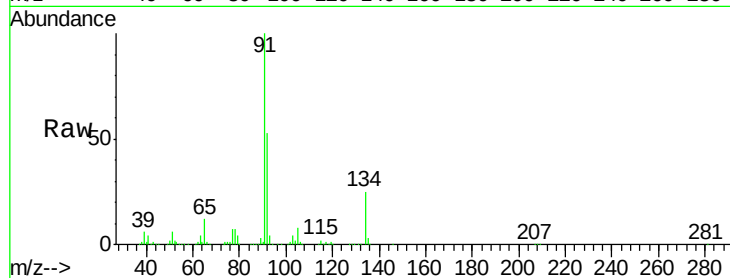
#89
n-Butylbenzene
Concen: 46.846 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.0	78.0
134	24.7	12.7	38.1

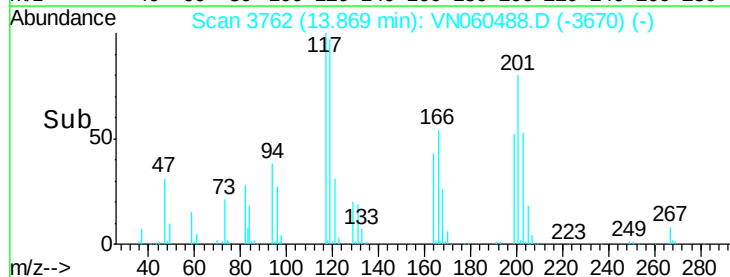
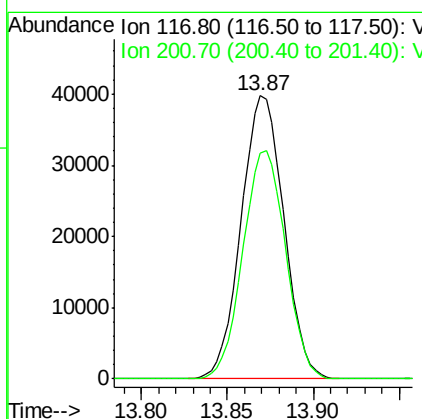
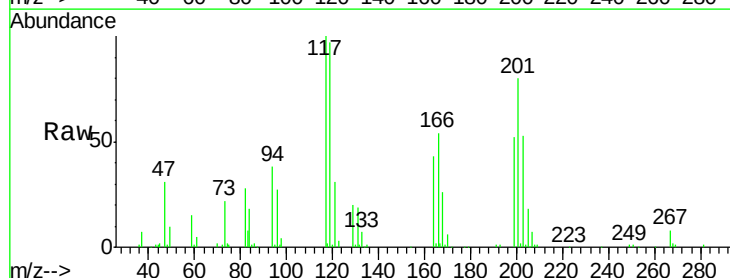
Manual Integrations
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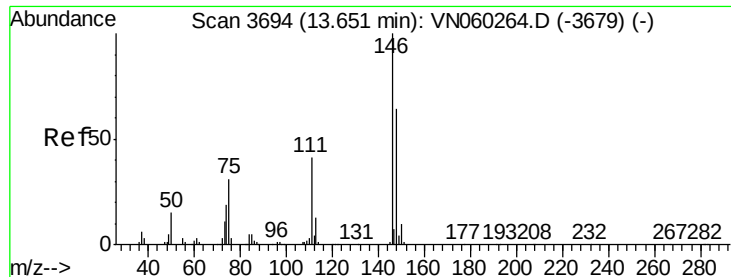
MMDadoda
3/16/2020 2:04:44 PM



#90
Hexachloroethane
Concen: 47.117 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.6	41.0	123.0





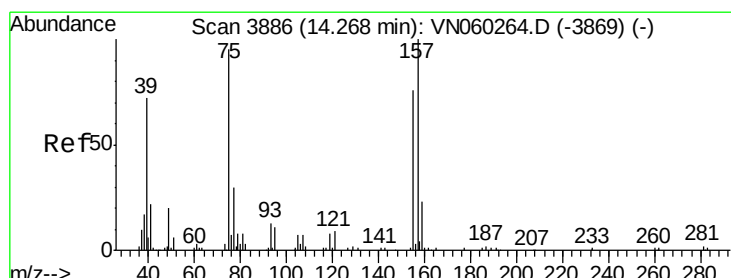
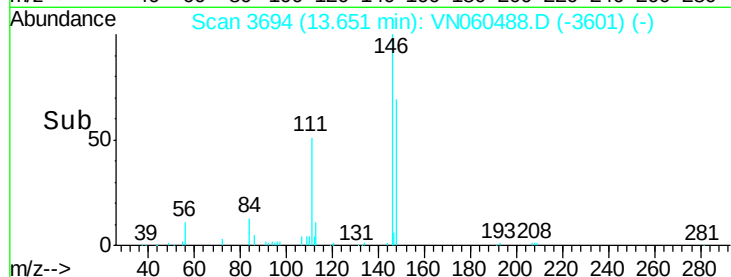
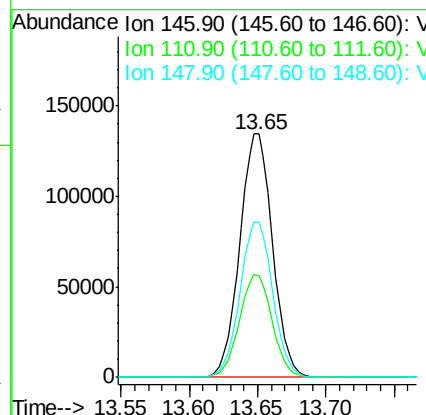
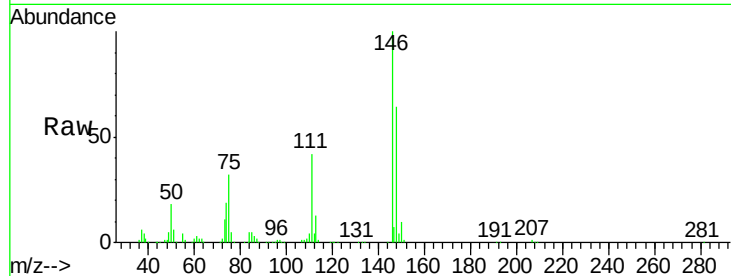
#91
 1,2-Dichlorobenzene
 Concen: 46.784 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.3	61.0
148	63.7	31.8	95.3

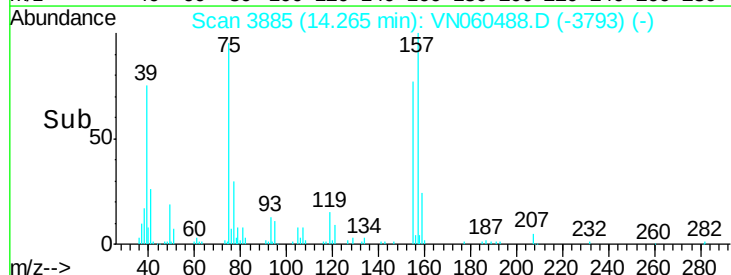
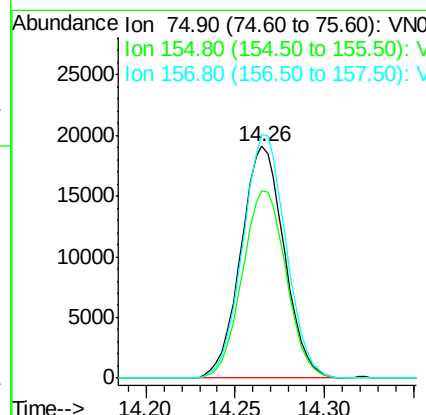
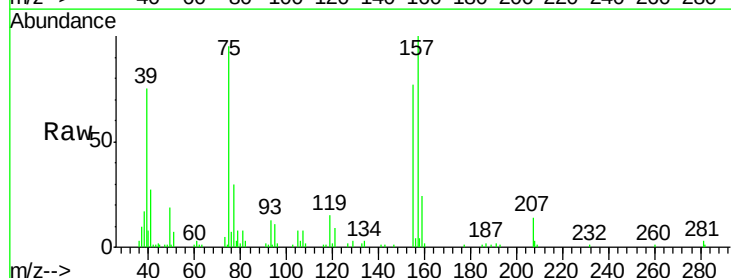
Manual Integrations
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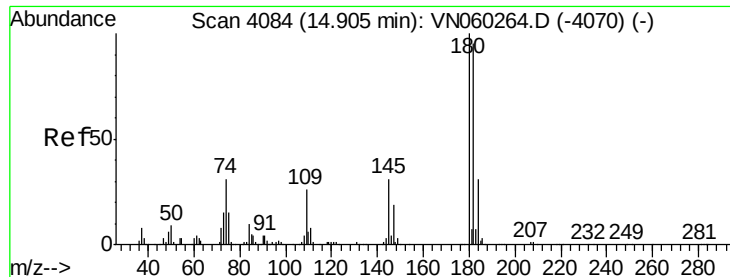
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 3/16/2020 2:04:44 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.210 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	40.4	121.2
157	105.1	52.5	157.5





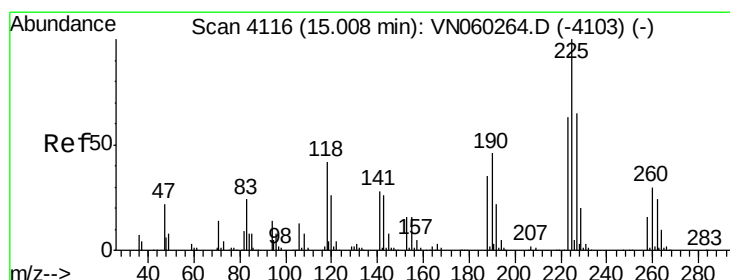
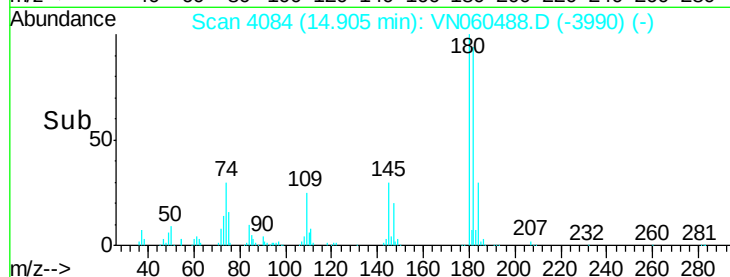
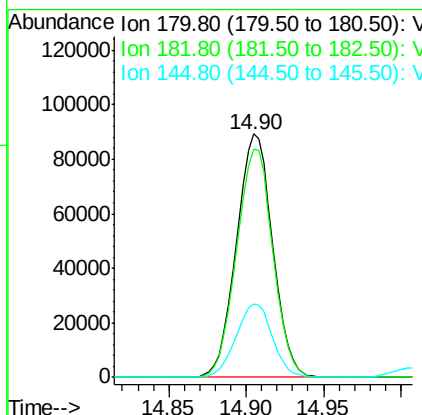
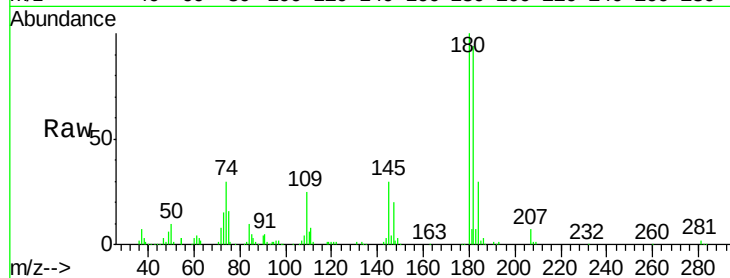
#93
 1,2,4-Trichlorobenzene
 Concen: 47.646 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	144811		
182	94.4	47.8	143.3	
145	30.4	15.4	46.1	

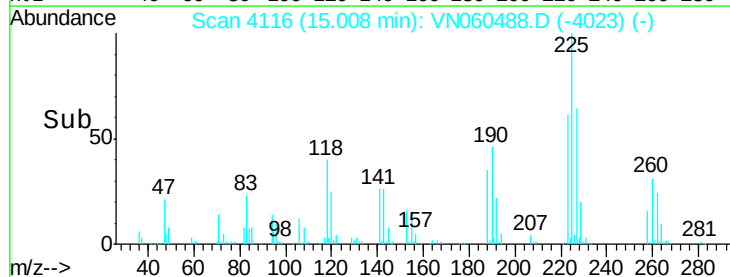
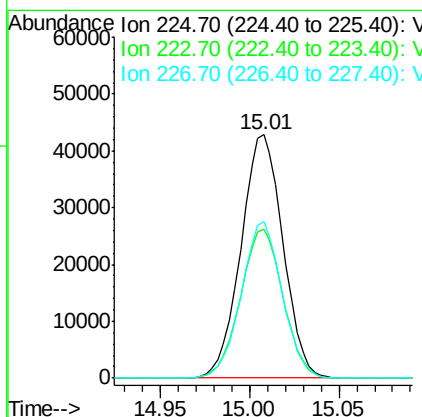
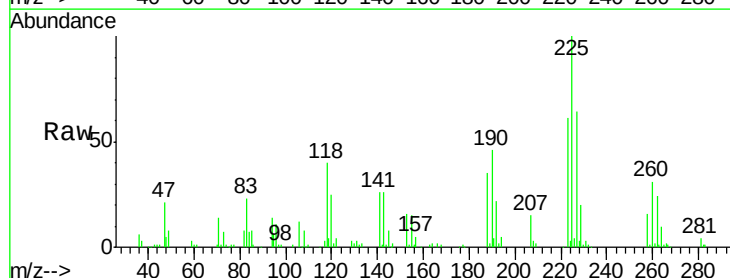
Manual Integrations
 APPROVED

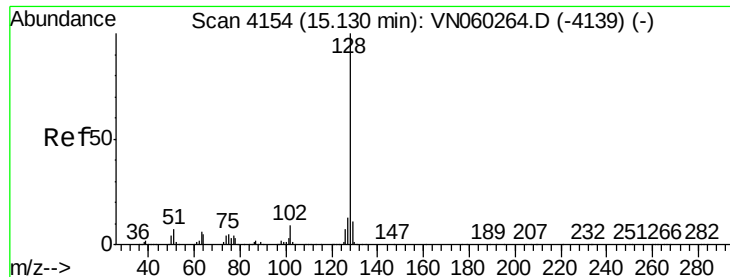
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 50.141 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060488.D
 Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70057		
223	61.9	31.3	93.9	
227	62.7	32.3	96.9	





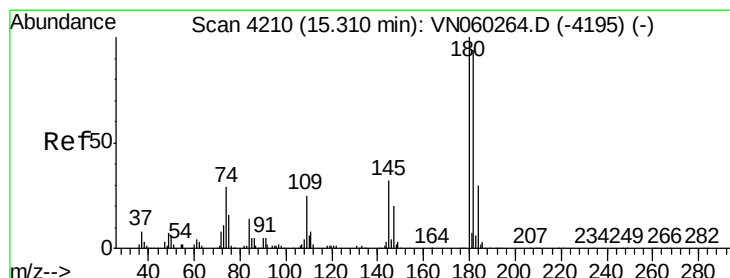
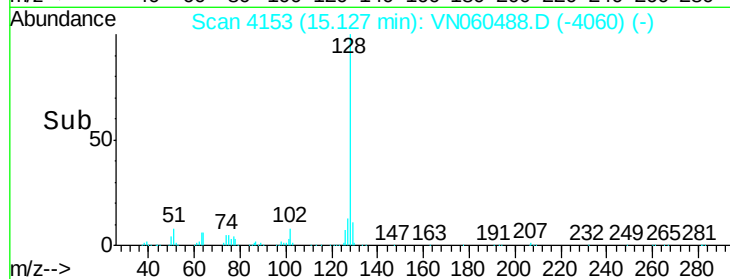
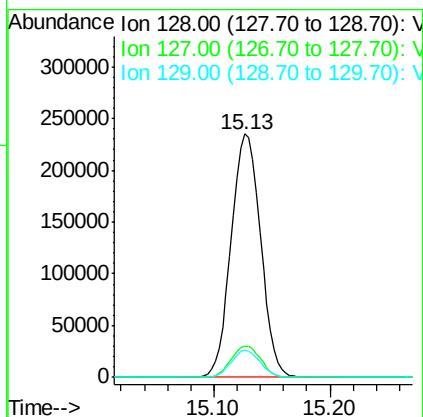
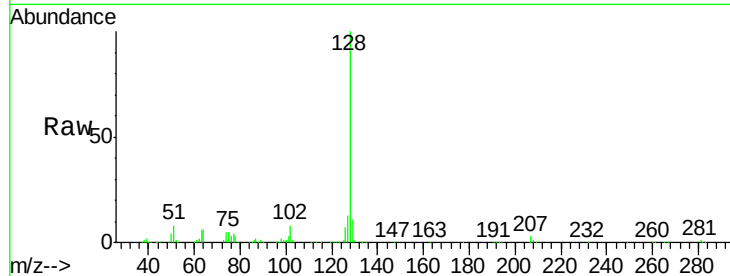
#95
Naphthalene
Concen: 46.184 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/16/2020 2:04:44 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.215 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060488.D
Acq: 13 Mar 2020 9:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	142.0
145	31.9	16.2	48.5

