

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010821\
 Data File : VN065447.D
 Acq On : 8 Jan 2021 16:39
 Operator : JC/MD
 Sample : M1022-15DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 41095DL

Quant Time: Jan 08 22:49:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

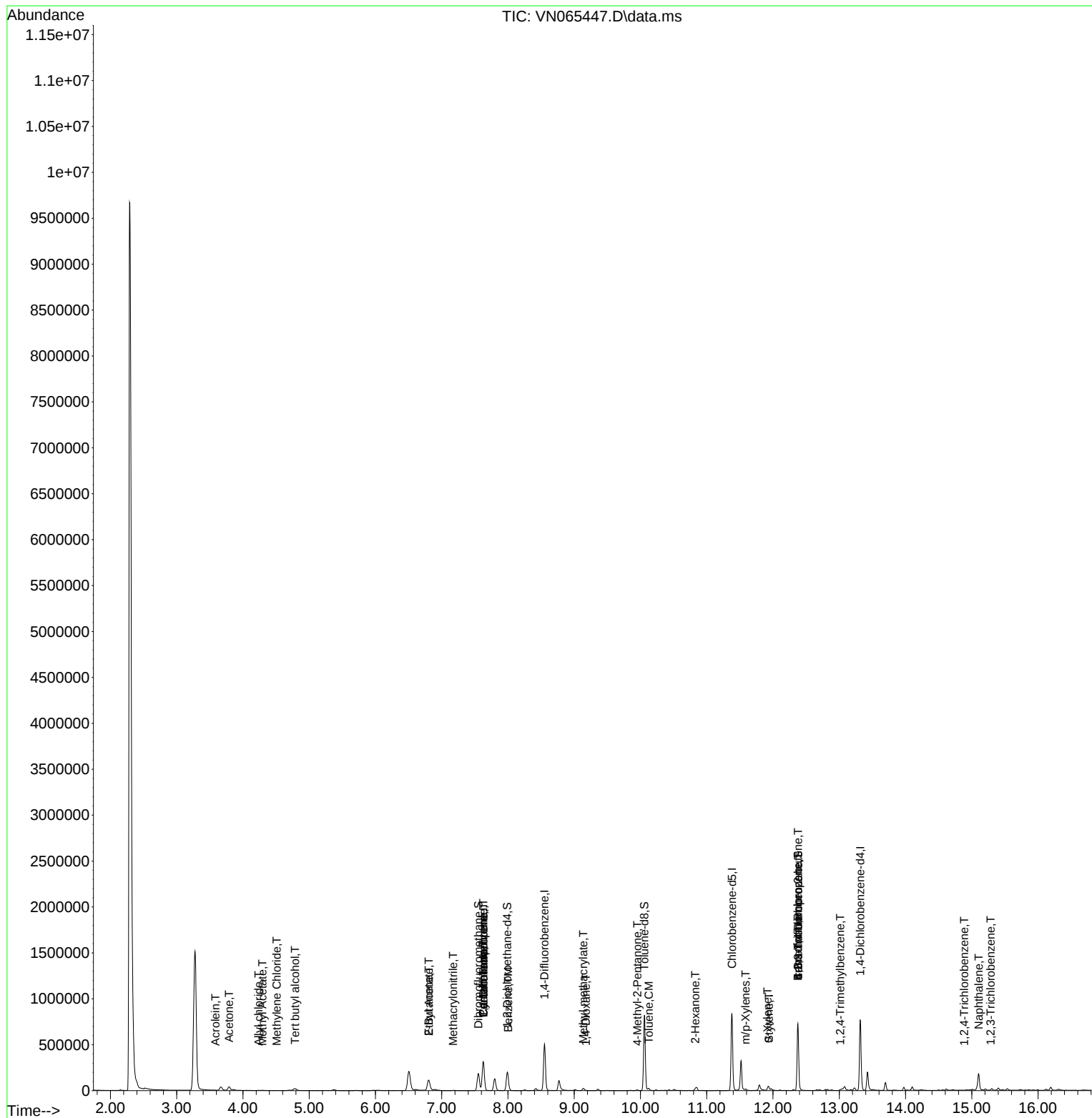
Internal Standards						
1) Pentafluorobenzene	7.627	168	289275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	473194	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	507974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	234500	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	162408	49.73	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 99.46%			
35) Dibromofluoromethane	7.553	113	143486	50.26	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.52%			
50) Toluene-d8	10.058	98	591975	55.33	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 110.66%			
62) 4-Bromofluorobenzene	12.376	95	246973	57.51	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 115.02%			
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.788	59	44736	83.72	ug/l	99
13) Acrolein	3.586	56	783	4.56	ug/l #	55
14) Allyl chloride	4.238	41	3901	0.83	ug/l #	44
16) Acetone	3.792	43	60354	34.78	ug/l	99
18) Methyl Acetate	4.293	43	7302	2.49	ug/l #	72
20) Methylene Chloride	4.512	84	723	0.23	ug/l #	73
25) 2-Butanone	6.804	43	192546	105.02	ug/l	99
31) Cyclohexane	7.627	56	4639	0.96	ug/l #	2
36) 1,1-Dichloropropene	7.627	75	17999	4.18	ug/l #	49
37) Ethyl Acetate	6.804	43	192546	45.15	ug/l #	66
38) Carbon Tetrachloride	7.627	117	24204	5.36	ug/l #	15
40) Benzene	8.004	78	14201	1.11	ug/l #	84
41) Methacrylonitrile	7.174	41	540	0.24	ug/l #	32
48) Methyl methacrylate	9.135	41	8692	2.44	ug/l #	37
49) 1,4-Dioxane	9.177	88	684	11.83	ug/l #	26
51) 4-Methyl-2-Pentanone	9.952	43	7290	1.76	ug/l #	75
52) Toluene	10.126	92	8865	1.10	ug/l	99
59) 2-Hexanone	10.827	43	4425	1.46	ug/l	88
68) m/p-Xylenes	11.589	106	5282	0.75	ug/l	98
69) o-Xylene	11.920	106	3872	0.57	ug/l	100
70) Styrene	11.939	104	8743	0.77	ug/l	97
71) Bromoform	12.373	173	1486	0.43	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	121102	25.31	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	121102	63.83	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.016	105	7756	0.52	ug/l	83
93) 1,2,4-Trichlorobenzene	14.884	180	138	2.86	ug/l #	29
95) Naphthalene	15.103	128	160905	15.72	ug/l	100
96) 1,2,3-Trichlorobenzene	15.286	180	58	3.23	ug/l #	12

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

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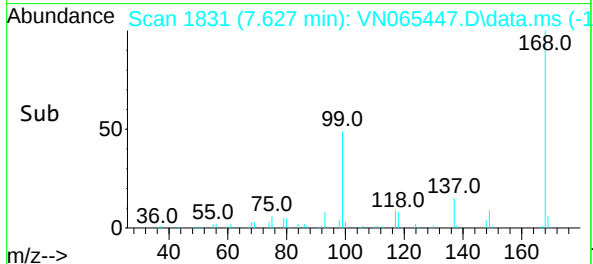
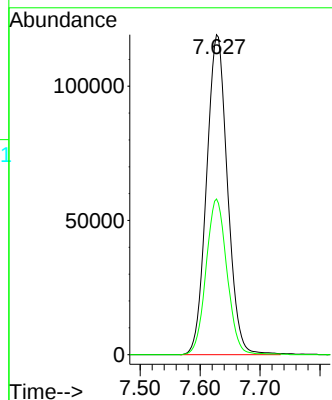
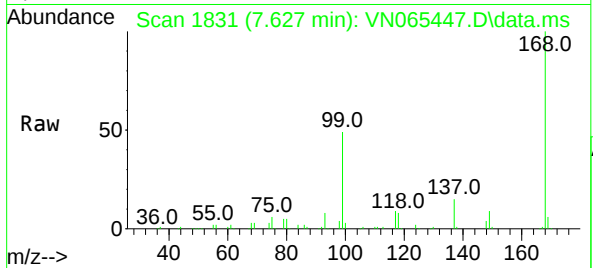




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

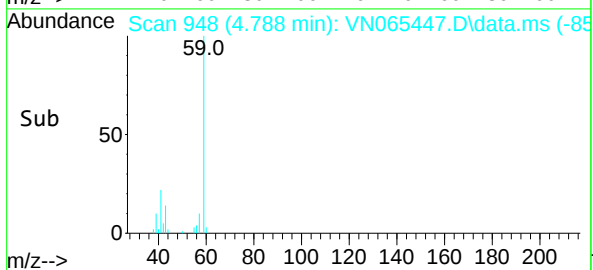
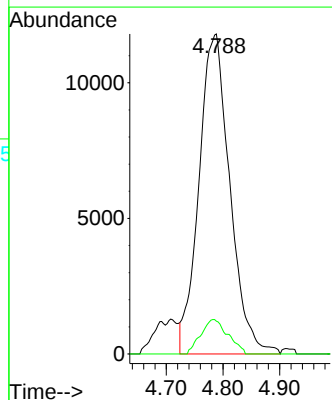
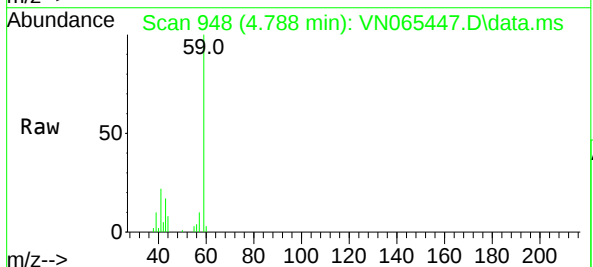
Instrument :
MSVOA_N
ClientSampleId :
41095DL

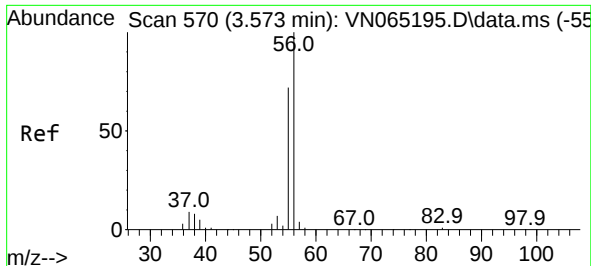
Tgt Ion:168 Resp: 289275
Ion Ratio Lower Upper
168 100
99 48.6 43.0 64.4



#11
Tert butyl alcohol
Concen: 83.72 ug/l
RT: 4.788 min Scan# 948
Delta R.T. 0.016 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

Tgt Ion: 59 Resp: 44736
Ion Ratio Lower Upper
59 100
57 9.4 7.9 11.9

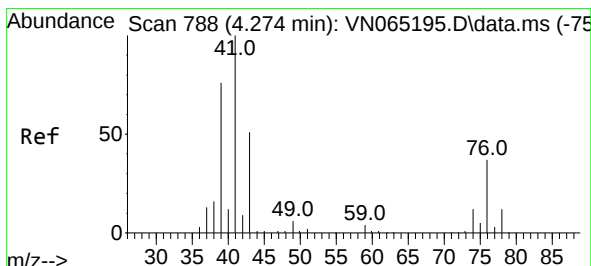
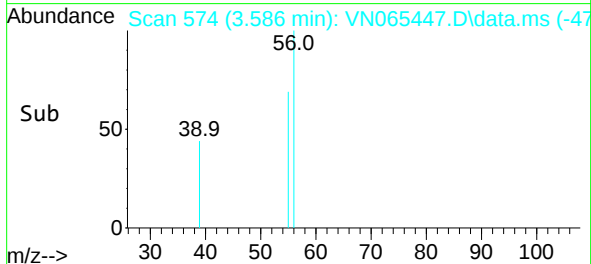
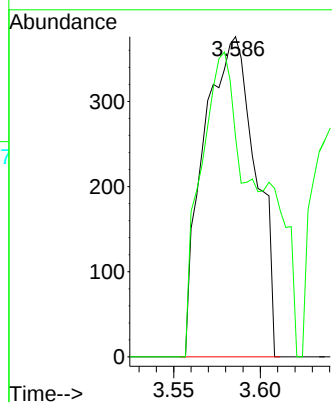
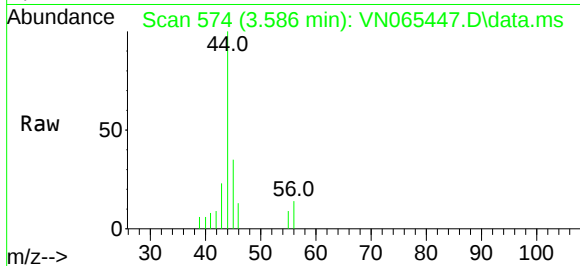




#13
Acrolein
Concen: 4.56 ug/l
RT: 3.586 min Scan# 574
Delta R.T. 0.013 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

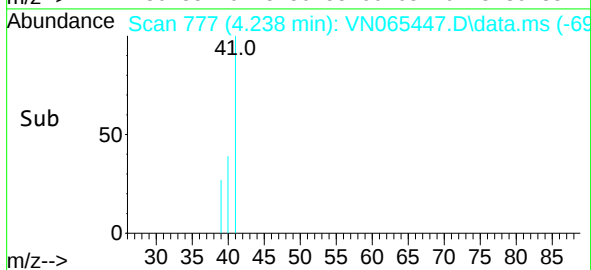
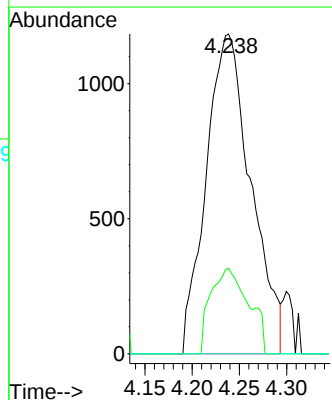
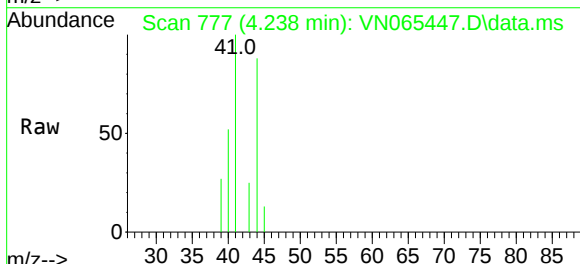
Instrument :
MSVOA_N
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41095DL

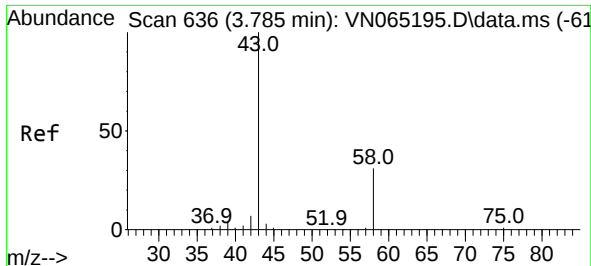
Tgt Ion: 56 Resp: 783
Ion Ratio Lower Upper
56 100
55 107.4 56.5 84.7#



#14
Allyl chloride
Concen: 0.83 ug/l
RT: 4.238 min Scan# 777
Delta R.T. -0.036 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

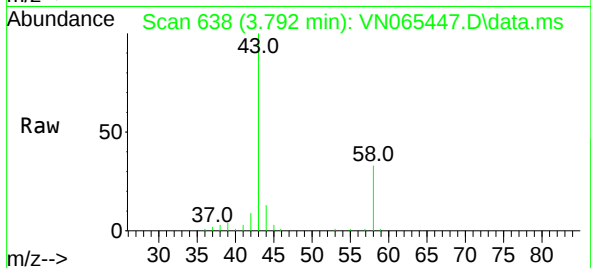
Tgt Ion: 41 Resp: 3901
Ion Ratio Lower Upper
41 100
39 22.5 50.9 76.3#
76 0.0 29.0 43.4#



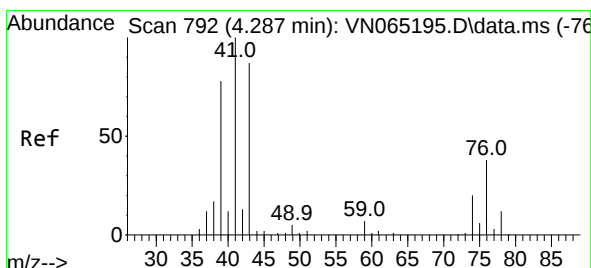
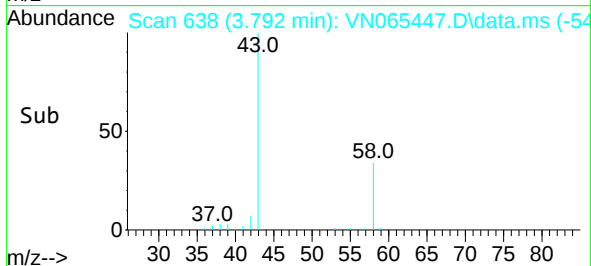
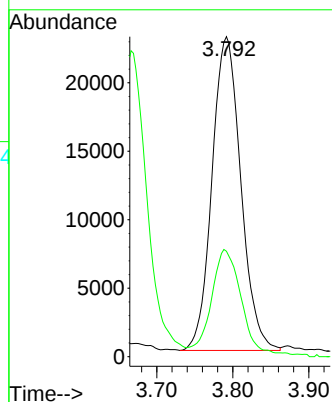


#16
Acetone
Concen: 34.78 ug/l
RT: 3.792 min Scan# 638
Delta R.T. 0.006 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

Instrument :
MSVOA_N
ClientSampled :
41095DL

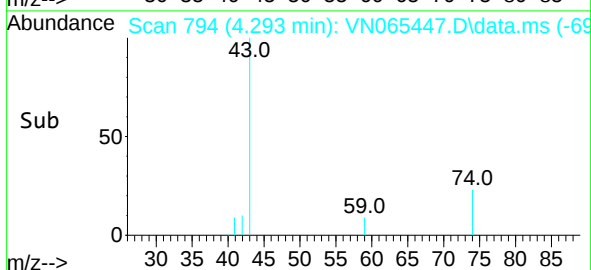
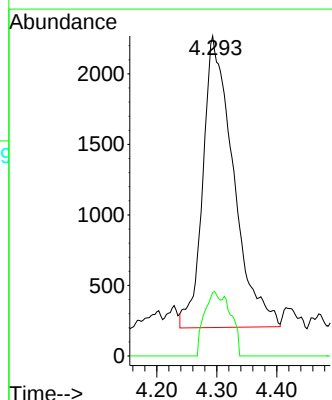
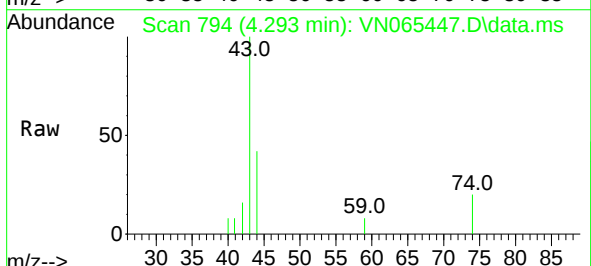


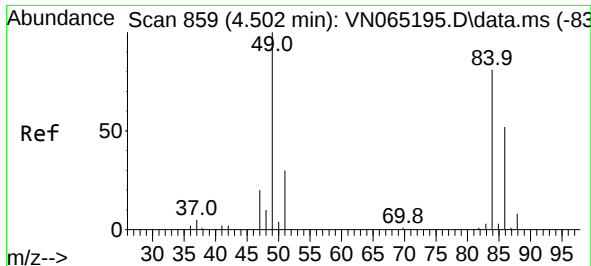
Tgt Ion: 43 Resp: 60354
Ion Ratio Lower Upper
43 100
58 32.4 25.7 38.5



#18
Methyl Acetate
Concen: 2.49 ug/l
RT: 4.293 min Scan# 794
Delta R.T. 0.006 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

Tgt Ion: 43 Resp: 7302
Ion Ratio Lower Upper
43 100
74 11.3 20.2 30.2#



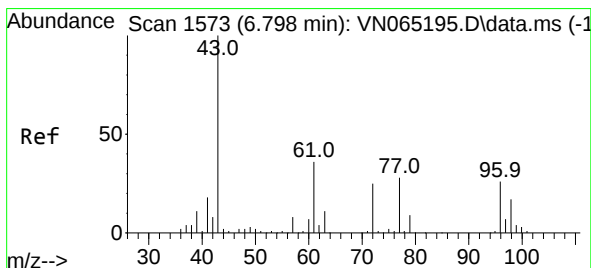
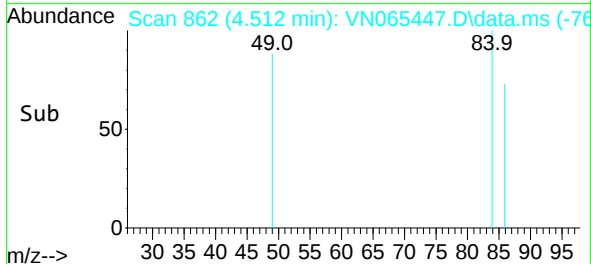
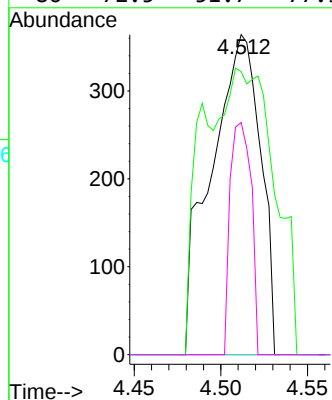
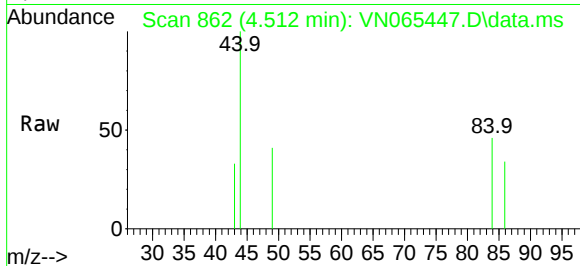


#20
Methylene Chloride
Concen: 0.23 ug/l
RT: 4.512 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

Instrument :
MSVOA_N
ClientSampleId :
41095DL

Tgt Ion: 84 Resp: 723

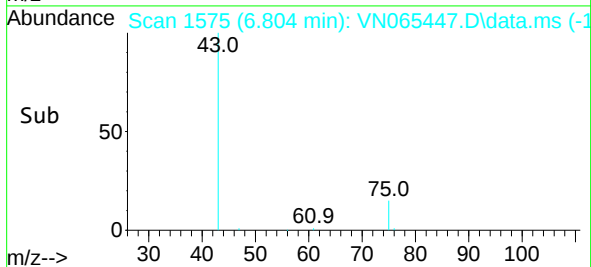
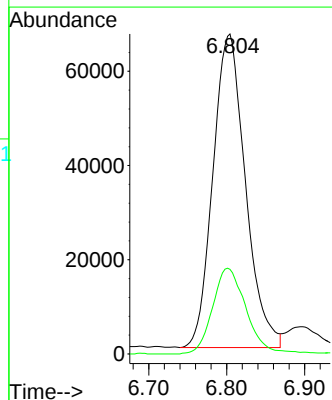
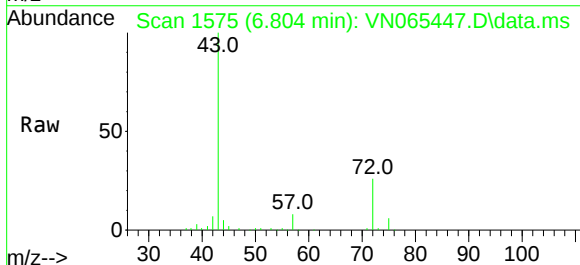
Ion	Ratio	Lower	Upper
84	100		
49	88.5	93.4	140.0#
51	0.0	28.2	42.4#
86	72.5	51.7	77.5

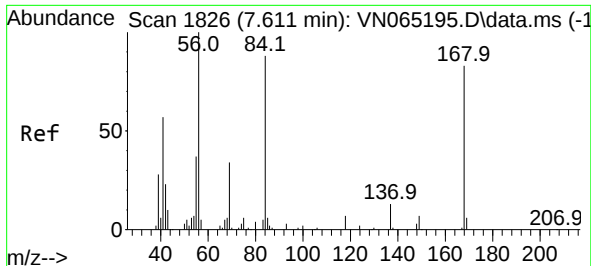


#25
2-Butanone
Concen: 105.02 ug/l
RT: 6.804 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

Tgt Ion: 43 Resp: 192546

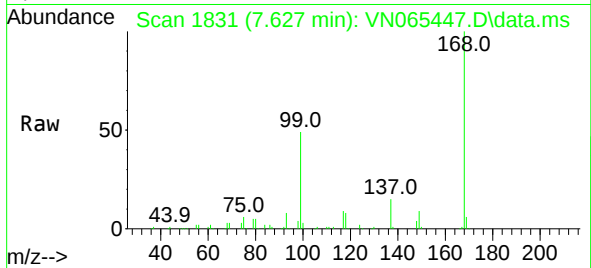
Ion	Ratio	Lower	Upper
43	100		
72	27.0	21.0	31.6



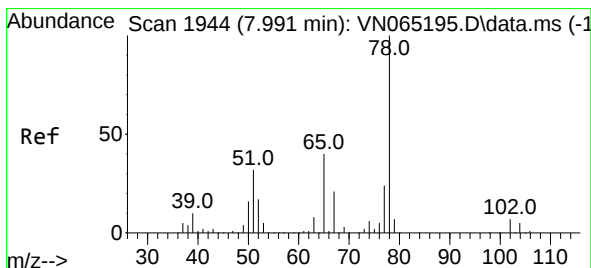
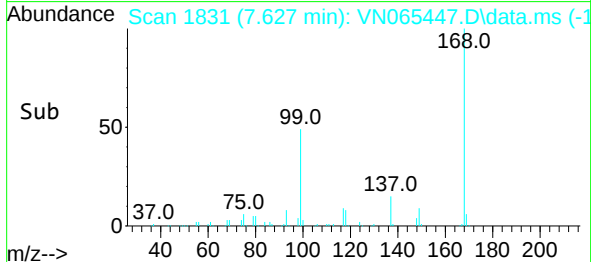
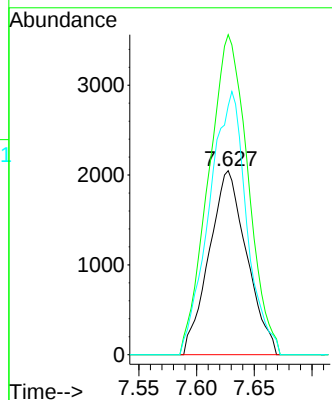


#31
Cyclohexane
Concen: 0.96 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

Instrument :
MSVOA_N
ClientSampled :
41095DL

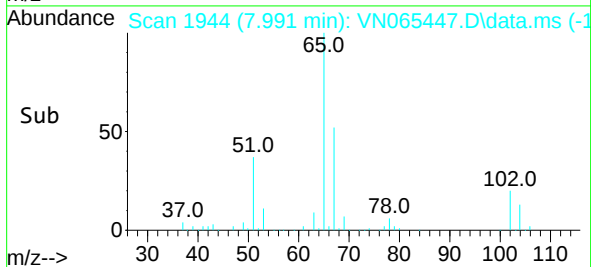
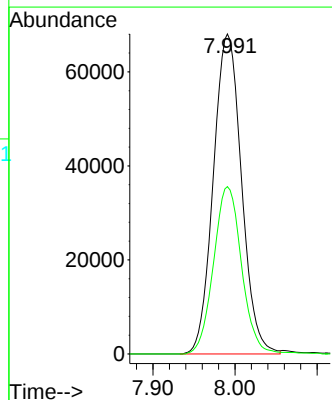
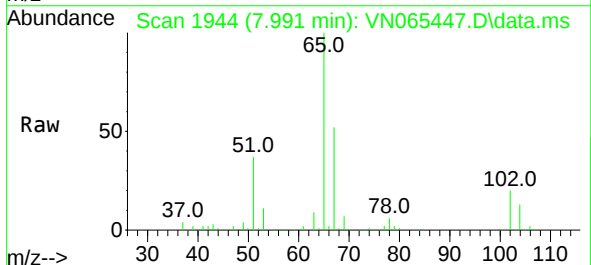


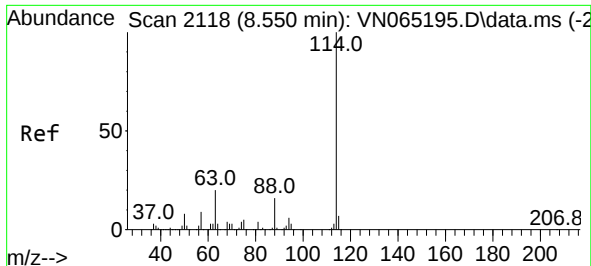
Tgt Ion: 56 Resp: 4639
Ion Ratio Lower Upper
56 100
69 174.0 27.5 41.3#
84 135.3 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 49.73 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

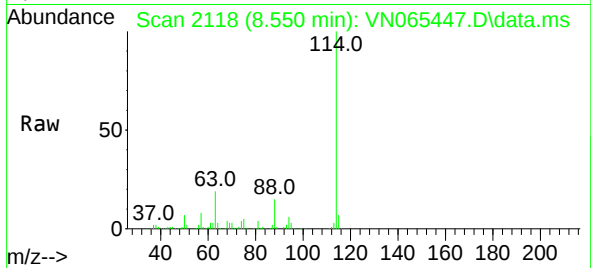
Tgt Ion: 65 Resp: 162408
Ion Ratio Lower Upper
65 100
67 52.2 0.0 108.2



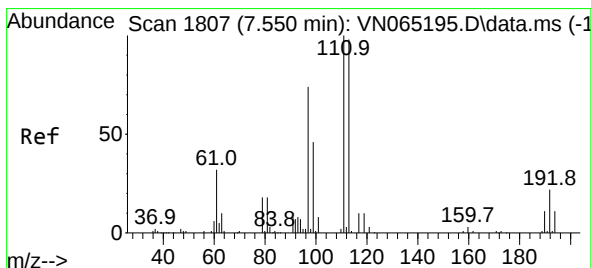
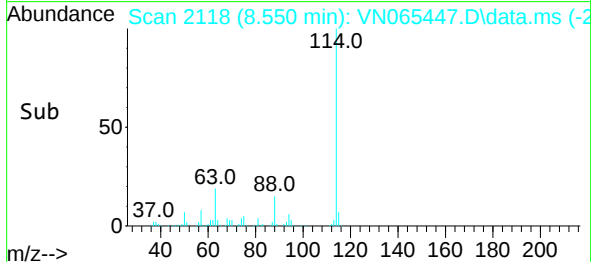
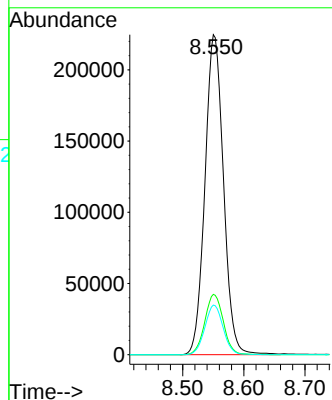


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

Instrument :
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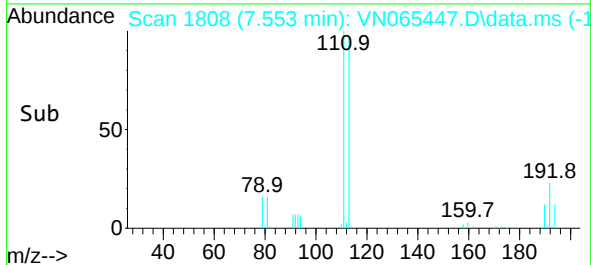
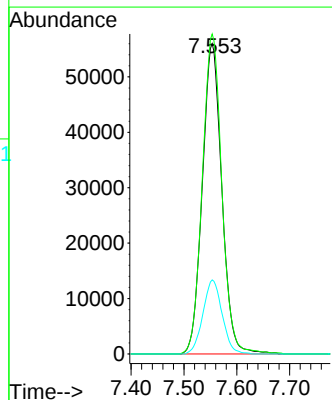
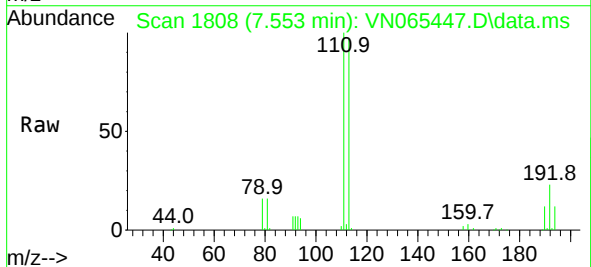


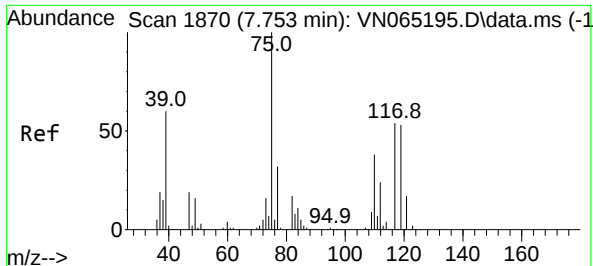
Tgt Ion:114 Resp: 473194
Ion Ratio Lower Upper
114 100
63 18.9 0.0 38.6
88 15.5 0.0 32.6



#35
Dibromofluoromethane
Concen: 50.26 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

Tgt Ion:113 Resp: 143486
Ion Ratio Lower Upper
113 100
111 103.0 81.6 122.4
192 23.5 16.2 24.2

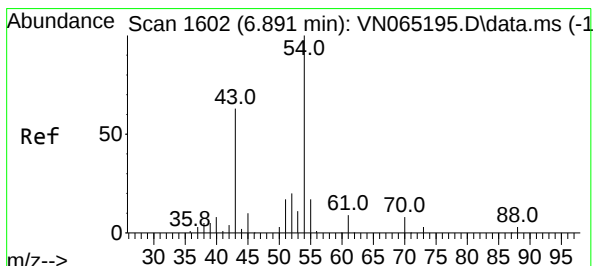
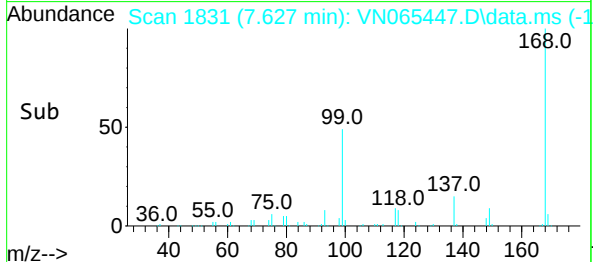
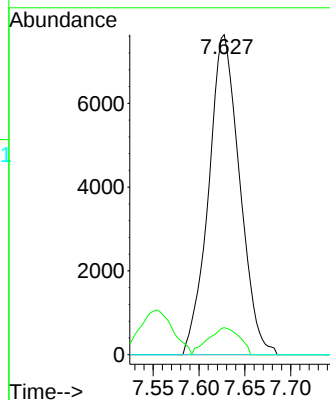
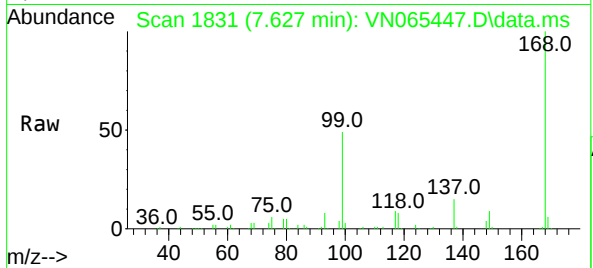




#36
1,1-Dichloropropene
Concen: 4.18 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

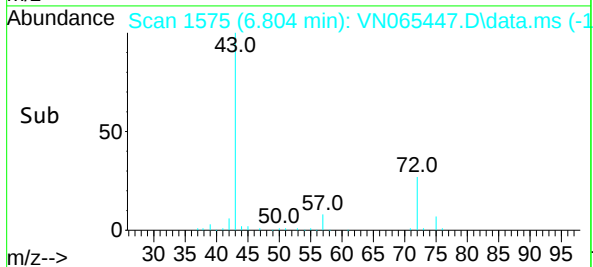
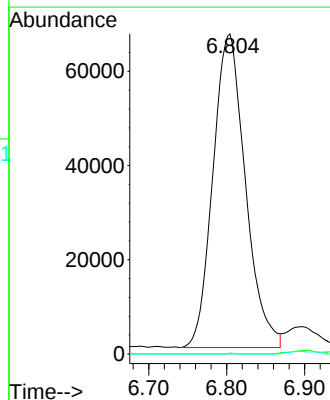
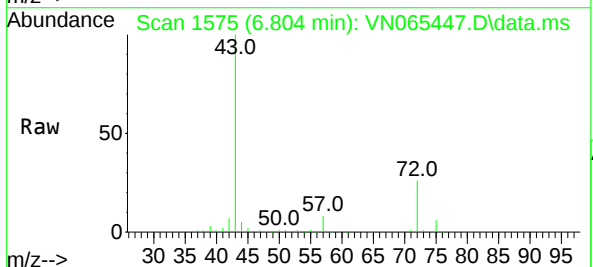
Instrument :
MSVOA_N
ClientSampleId :
41095DL

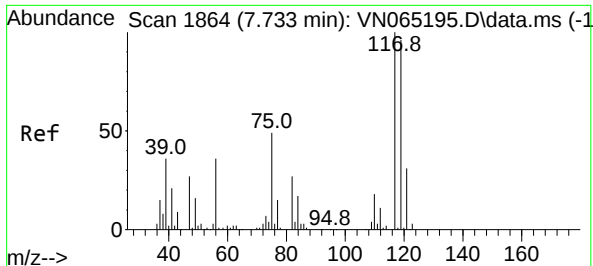
Tgt Ion: 75 Resp: 17999
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 45.15 ug/l
RT: 6.804 min Scan# 1575
Delta R.T. -0.087 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

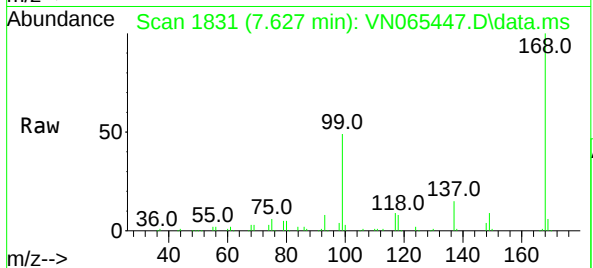
Tgt Ion: 43 Resp: 192546
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 8.8 13.2#



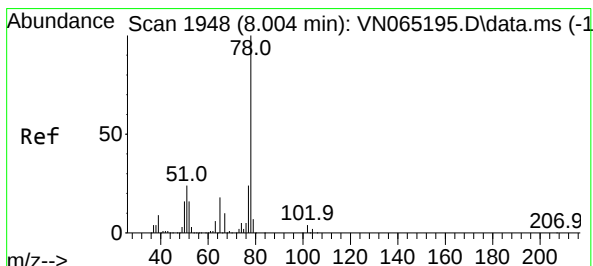
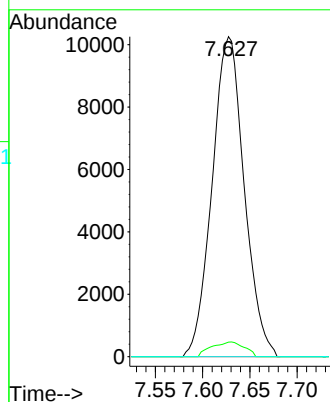
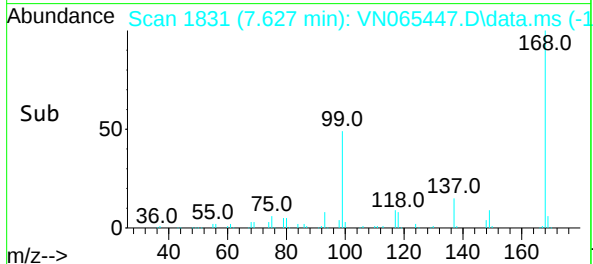


#38
Carbon Tetrachloride
Concen: 5.36 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.106 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

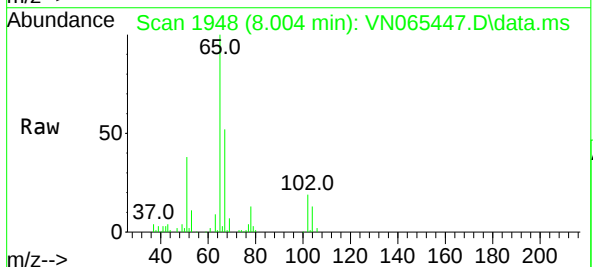
Instrument :
MSVOA_N
ClientSampleId :
41095DL



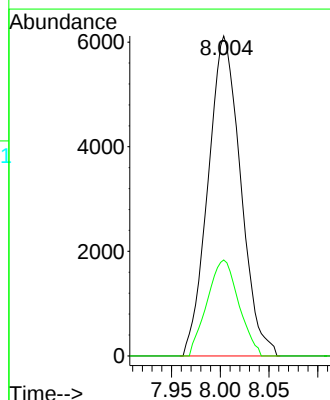
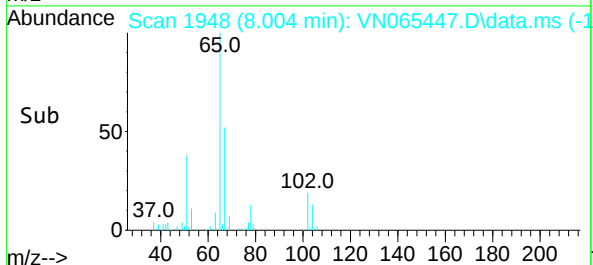
Tgt Ion:117 Resp: 24204
Ion Ratio Lower Upper
117 100
119 4.5 76.7 115.1#
121 0.0 25.4 38.2#

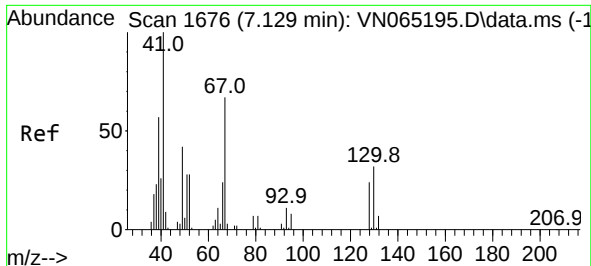


#40
Benzene
Concen: 1.11 ug/l
RT: 8.004 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39



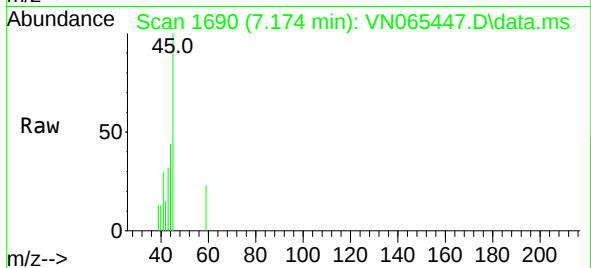
Tgt Ion: 78 Resp: 14201
Ion Ratio Lower Upper
78 100
77 30.0 17.9 26.9#



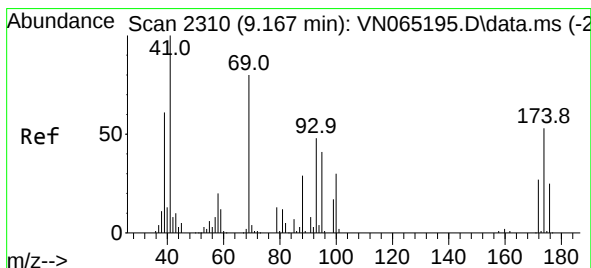
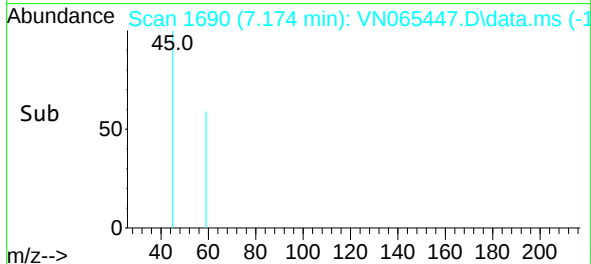
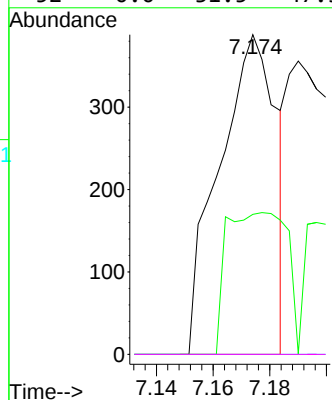


#41
Methacrylonitrile
Concen: 0.24 ug/l
RT: 7.174 min Scan# 1690
Delta R.T. 0.045 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

Instrument :
MSVOA_N
ClientSampled :
41095DL

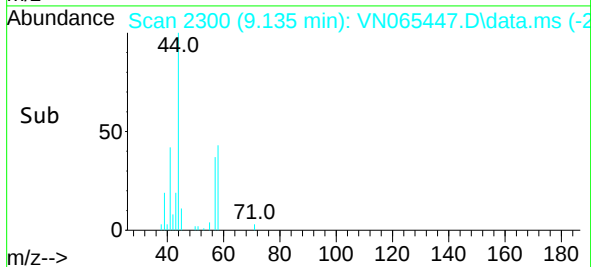
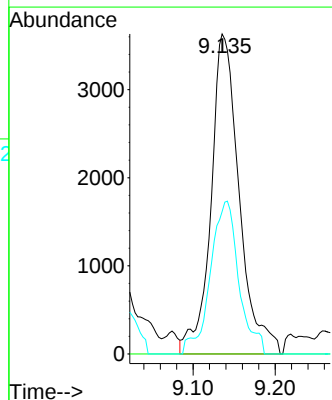
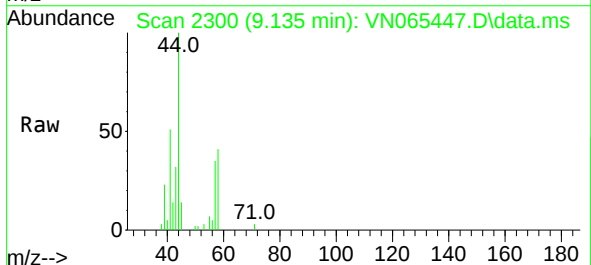


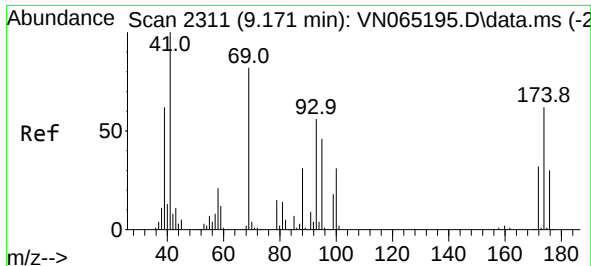
Tgt Ion:	41	Resp:	540
Ion	Ratio	Lower	Upper
41	100		
39	47.0	51.0	76.6#
67	0.0	79.8	119.8#
52	0.0	31.5	47.3#



#48
Methyl methacrylate
Concen: 2.44 ug/l
RT: 9.135 min Scan# 2300
Delta R.T. -0.032 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

Tgt Ion:	41	Resp:	8692
Ion	Ratio	Lower	Upper
41	100		
69	0.0	71.8	107.8#
39	48.1	44.1	66.1

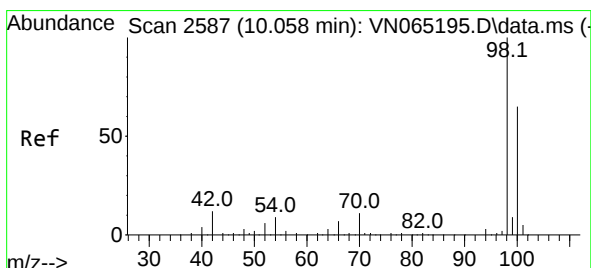
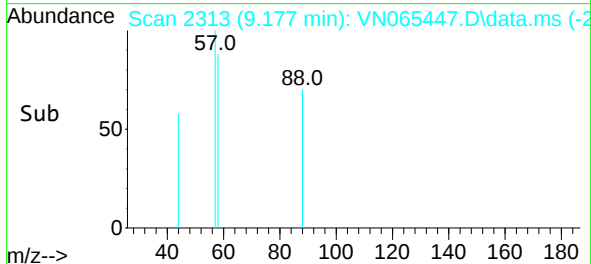
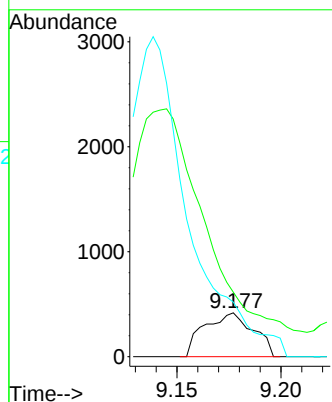
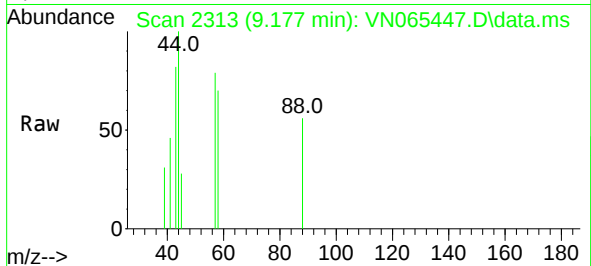




#49
1,4-Dioxane
Concen: 11.83 ug/l
RT: 9.177 min Scan# 2313
Delta R.T. 0.006 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

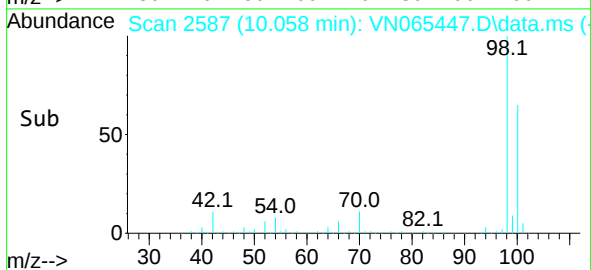
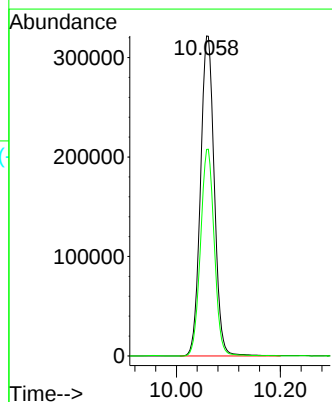
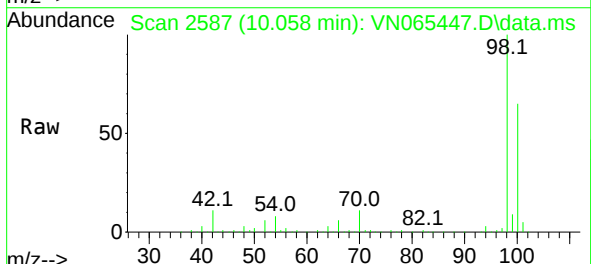
Instrument :
MSVOA_N
ClientSampleId :
41095DL

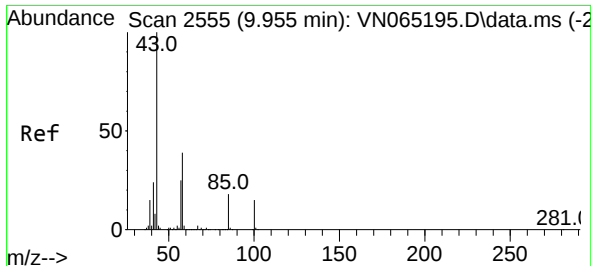
Tgt Ion: 88 Resp: 684
Ion Ratio Lower Upper
88 100
43 0.0 24.2 36.4#
58 0.0 52.5 78.7#



#50
Toluene-d8
Concen: 55.33 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

Tgt Ion: 98 Resp: 591975
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5

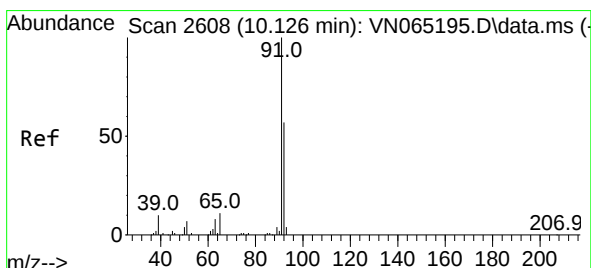
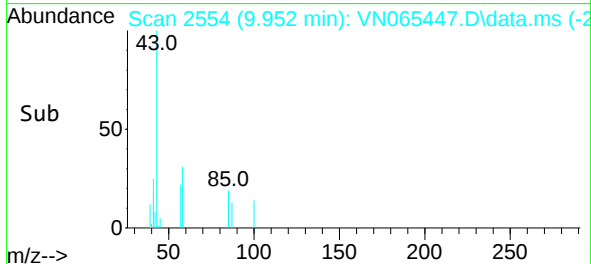
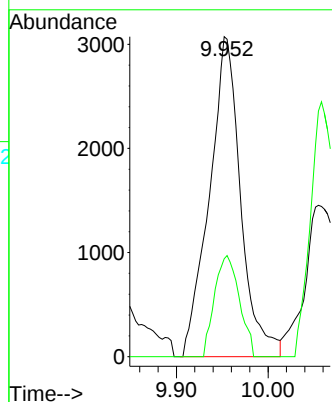
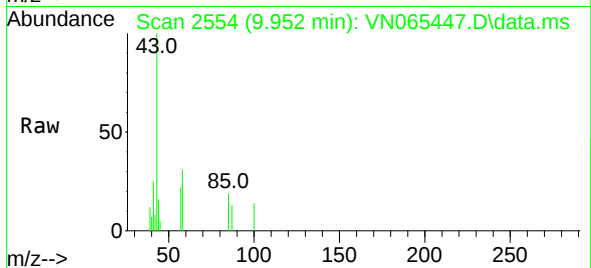




#51
4-Methyl-2-Pentanone
Concen: 1.76 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. -0.003 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

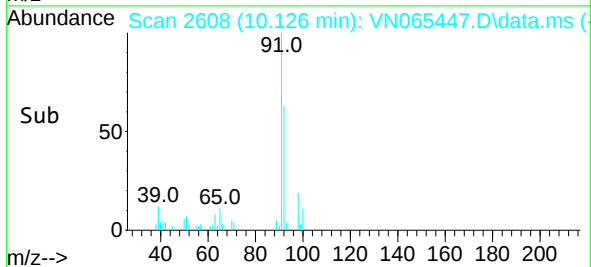
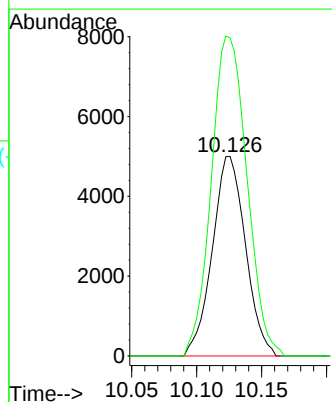
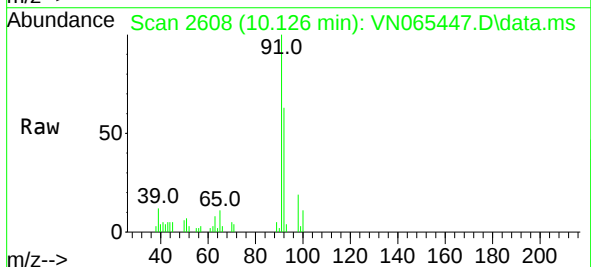
Instrument :
MSVOA_N
ClientSampleId :
41095DL

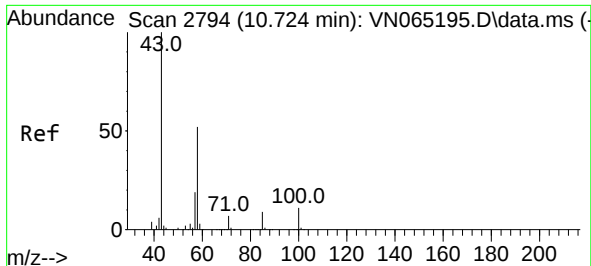
Tgt Ion: 43 Resp: 7290
Ion Ratio Lower Upper
43 100
58 25.0 32.4 48.6#



#52
Toluene
Concen: 1.10 ug/l
RT: 10.126 min Scan# 2608
Delta R.T. -0.000 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

Tgt Ion: 92 Resp: 8865
Ion Ratio Lower Upper
92 100
91 172.4 139.1 208.7

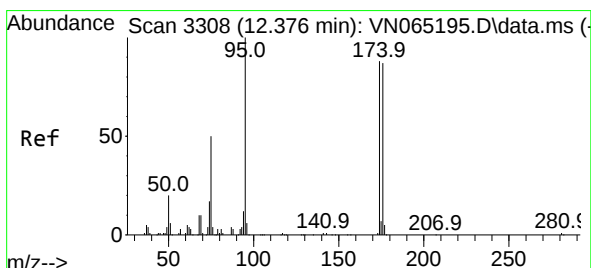
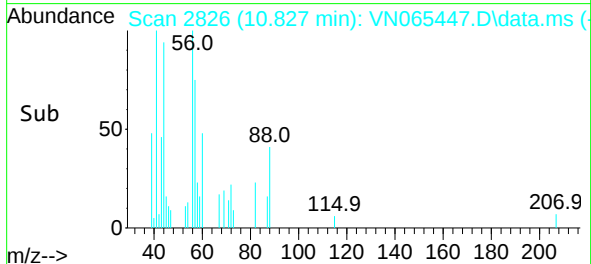
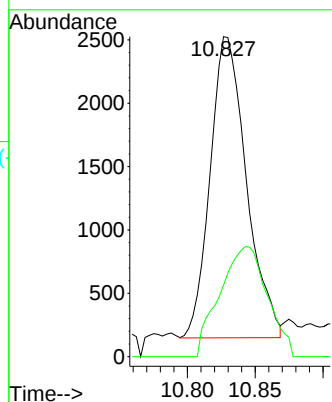
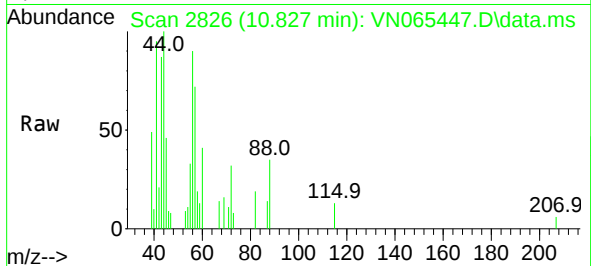




#59
2-Hexanone
Concen: 1.46 ug/l
RT: 10.827 min Scan# 2826
Delta R.T. 0.103 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

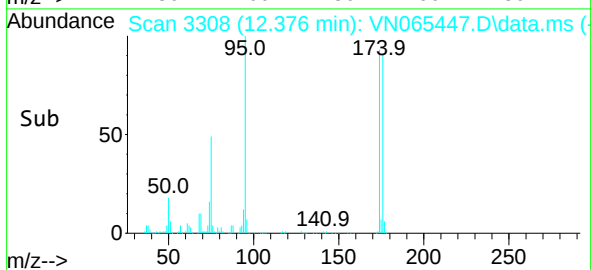
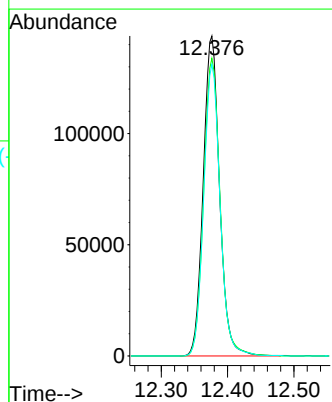
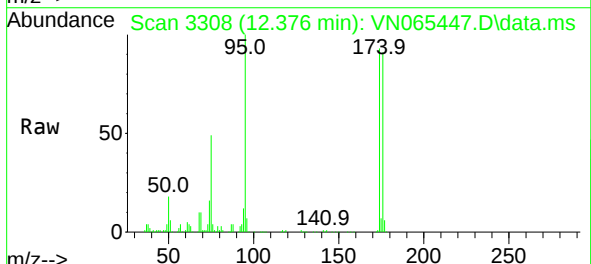
Instrument :
MSVOA_N
ClientSampled :
41095DL

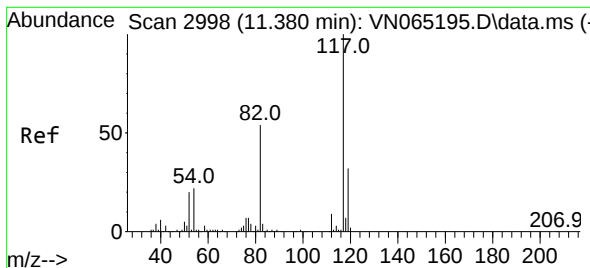
Tgt Ion: 43 Resp: 4425
Ion Ratio Lower Upper
43 100
58 47.7 28.3 84.9



#62
4-Bromofluorobenzene
Concen: 57.51 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

Tgt Ion: 95 Resp: 246973
Ion Ratio Lower Upper
95 100
174 93.7 0.0 160.4
176 91.0 0.0 158.4

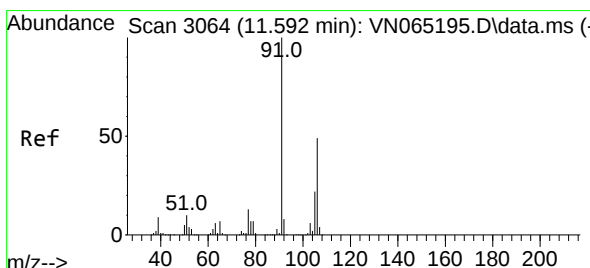
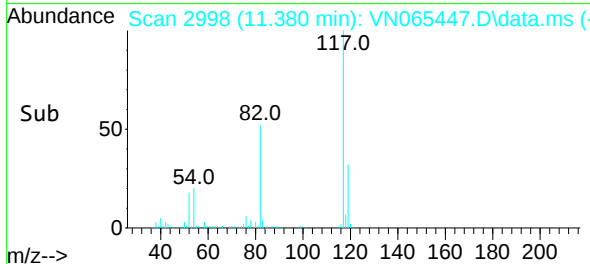
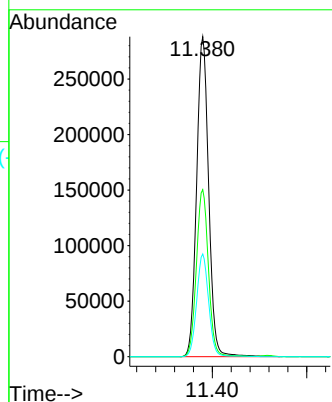
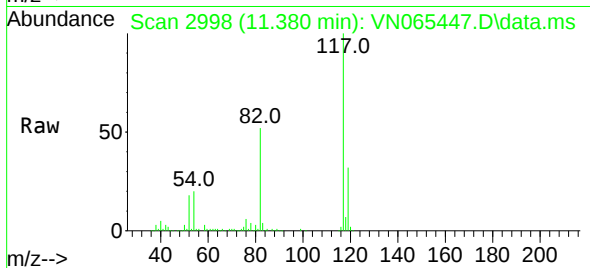




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

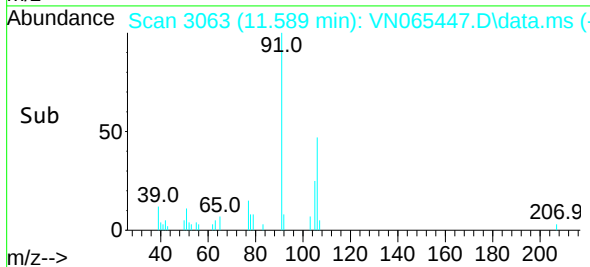
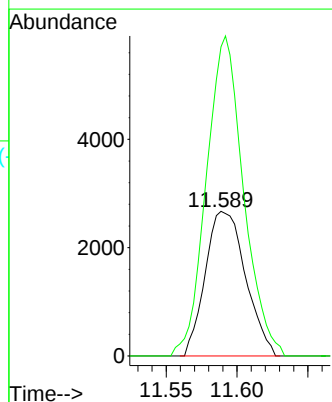
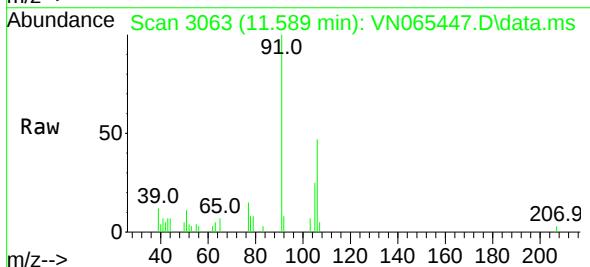
Instrument :
MSVOA_N
ClientSampleId :
41095DL

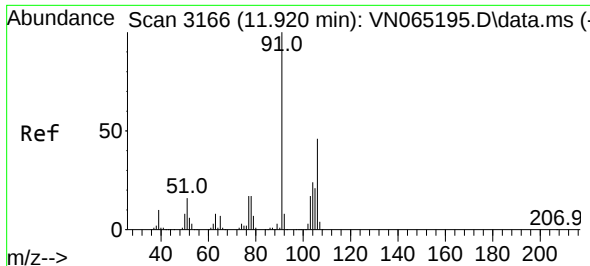
Tgt Ion:117 Resp: 507974
Ion Ratio Lower Upper
117 100
82 52.2 44.2 66.2
119 32.1 25.8 38.6



#68
m/p-Xylenes
Concen: 0.75 ug/l
RT: 11.589 min Scan# 3063
Delta R.T. -0.003 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

Tgt Ion:106 Resp: 5282
Ion Ratio Lower Upper
106 100
91 203.9 161.0 241.4

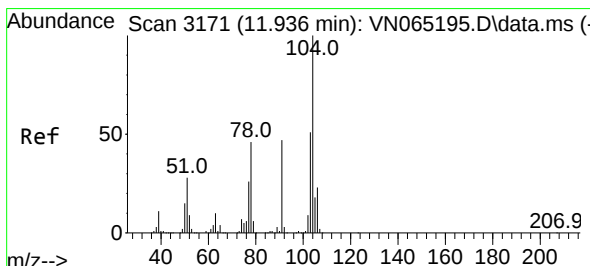
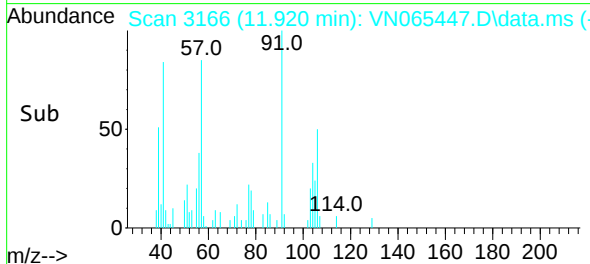
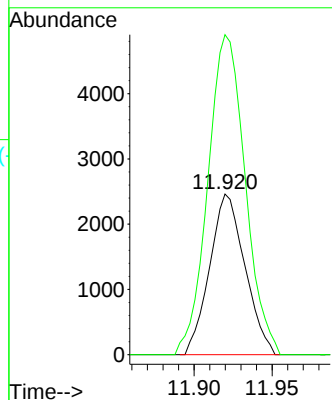
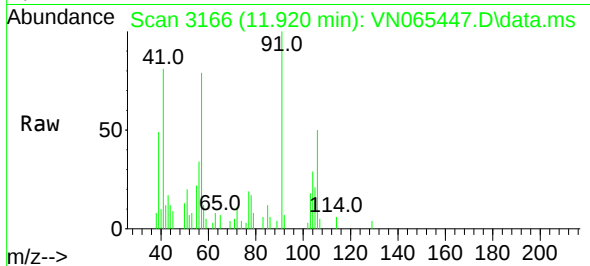




#69
o-Xylene
Concen: 0.57 ug/l
RT: 11.920 min Scan# 3166
Delta R.T. -0.000 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

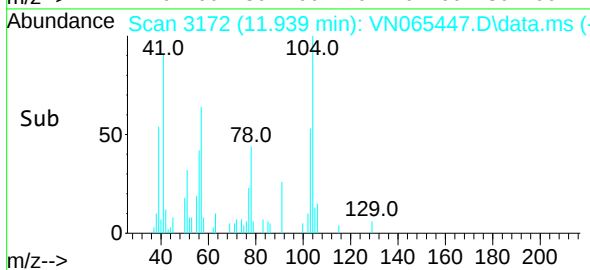
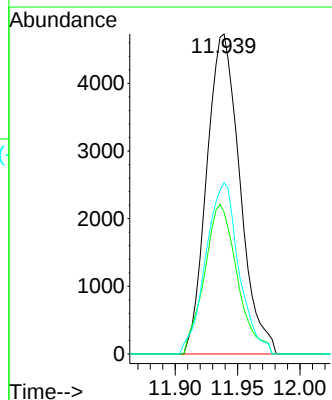
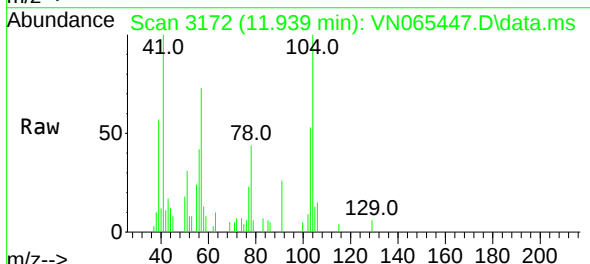
Instrument :
MSVOA_N
ClientSampled :
41095DL

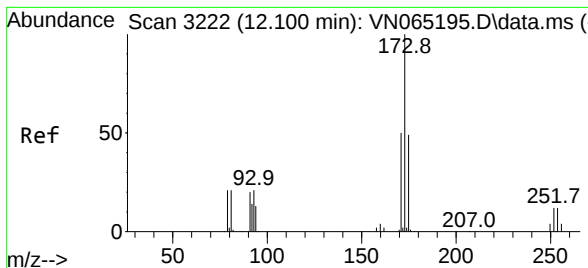
Tgt Ion:106 Resp: 3872
Ion Ratio Lower Upper
106 100
91 210.7 105.5 316.5



#70
Styrene
Concen: 0.77 ug/l
RT: 11.939 min Scan# 3172
Delta R.T. 0.003 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

Tgt Ion:104 Resp: 8743
Ion Ratio Lower Upper
104 100
78 46.3 39.0 58.6
103 53.6 44.3 66.5





#71

Bromoform

Concen: 0.43 ug/l

RT: 12.373 min Scan# 3307

Delta R.T. 0.273 min

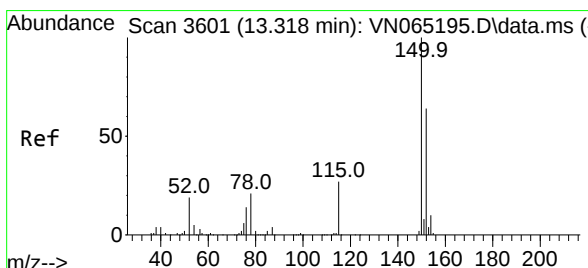
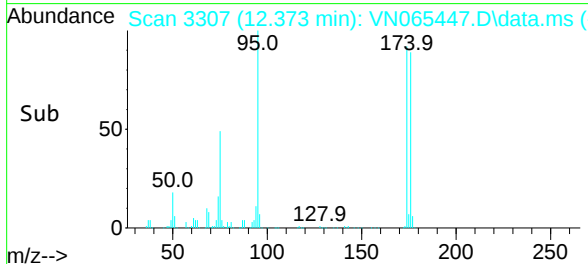
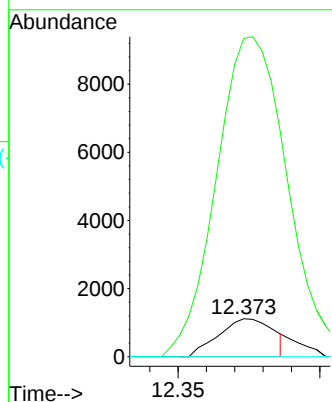
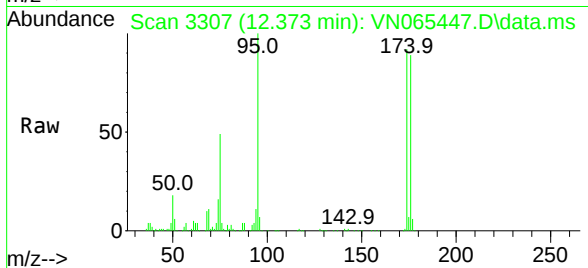
Lab File: VN065447.D

Acq: 8 Jan 2021 16:39

Tgt Ion:173 Resp: 1486

Ion	Ratio	Lower	Upper
173	100		
175	923.6	24.3	72.8#
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
41095DL



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.318 min Scan# 3601

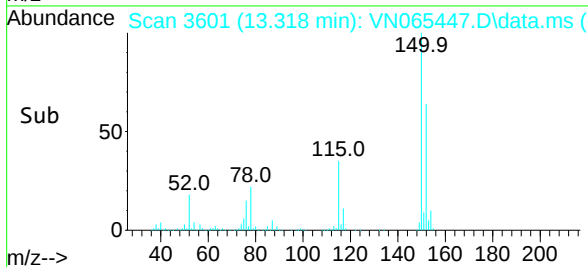
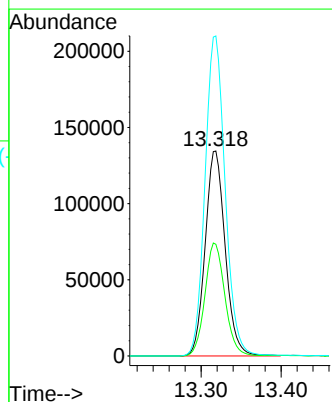
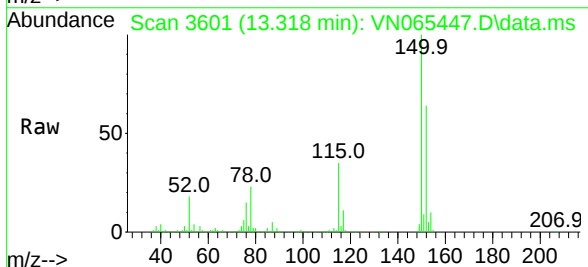
Delta R.T. 0.000 min

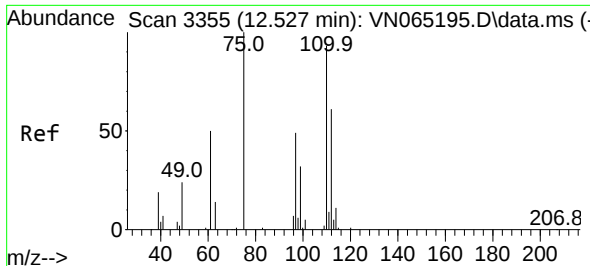
Lab File: VN065447.D

Acq: 8 Jan 2021 16:39

Tgt Ion:152 Resp: 234500

Ion	Ratio	Lower	Upper
152	100		
115	54.9	29.7	89.1
150	157.4	0.0	350.6

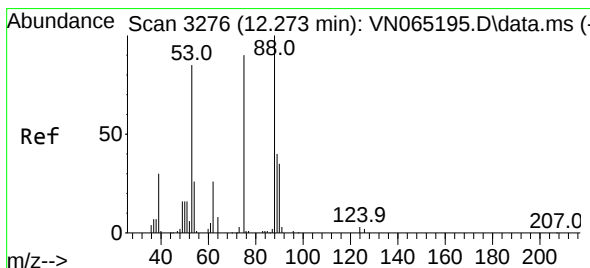
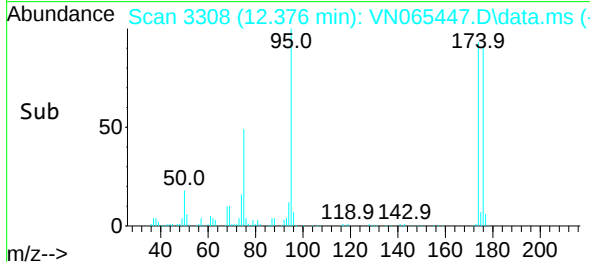
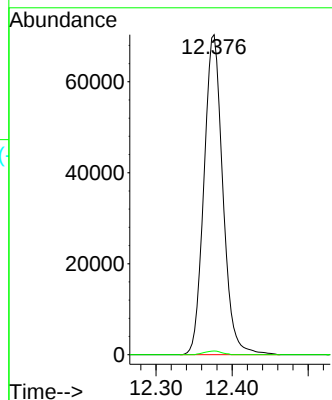
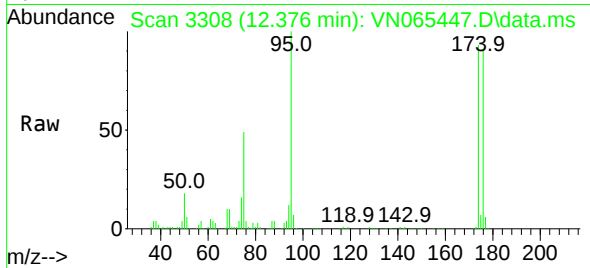




#76
1,2,3-Trichloropropane
Concen: 25.31 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

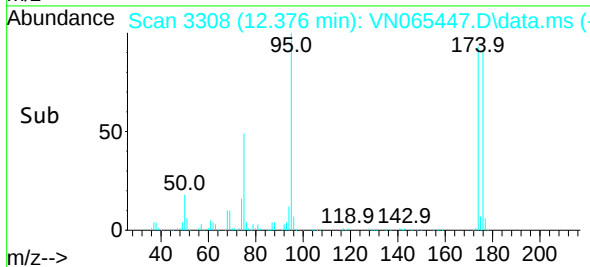
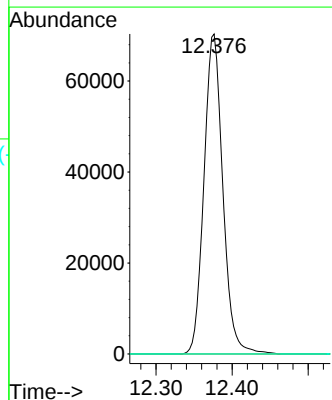
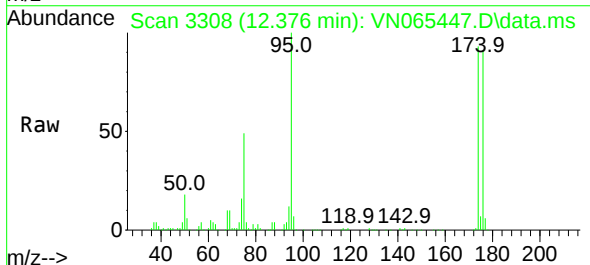
Instrument :
MSVOA_N
ClientSampleId :
41095DL

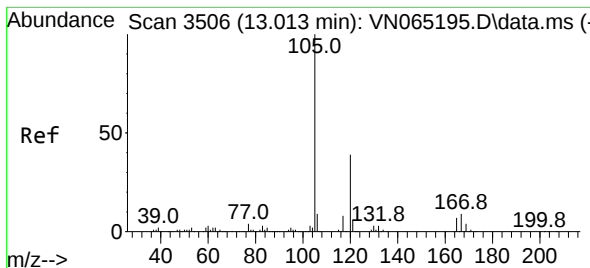
Tgt Ion: 75 Resp: 121102
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.83 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

Tgt Ion: 75 Resp: 121102
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#





#84

1,2,4-Trimethylbenzene

Concen: 0.52 ug/l

RT: 13.016 min Scan# 3507

Delta R.T. 0.003 min

Lab File: VN065447.D

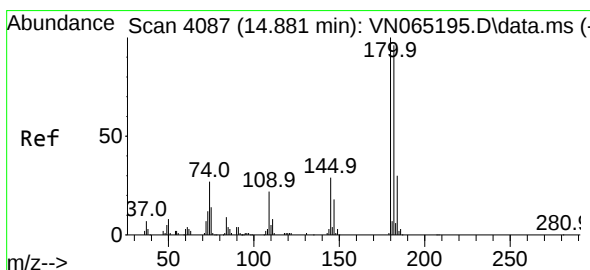
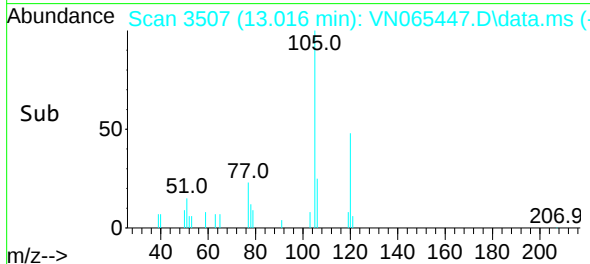
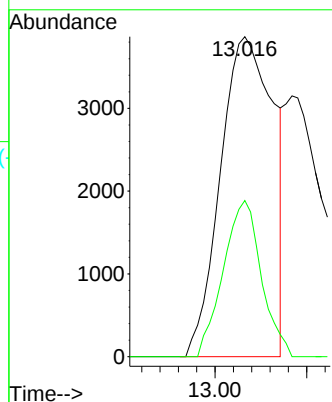
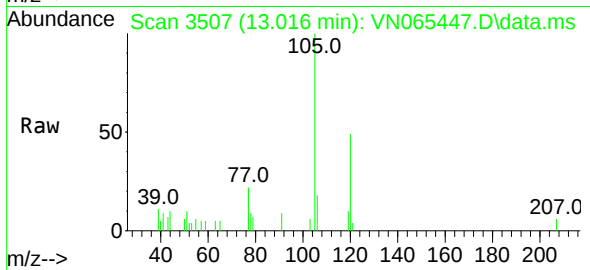
Acq: 8 Jan 2021 16:39

Tgt Ion:105 Resp: 7756

Ion Ratio Lower Upper

105 100

120 35.0 23.1 69.2



#93

1,2,4-Trichlorobenzene

Concen: 2.86 ug/l

RT: 14.884 min Scan# 4088

Delta R.T. 0.003 min

Lab File: VN065447.D

Acq: 8 Jan 2021 16:39

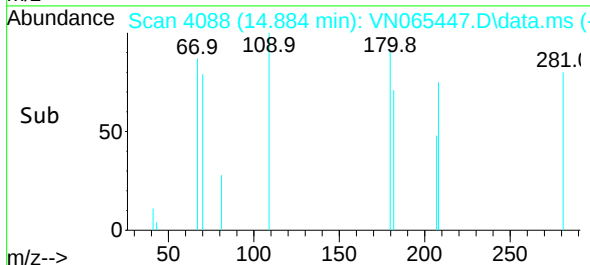
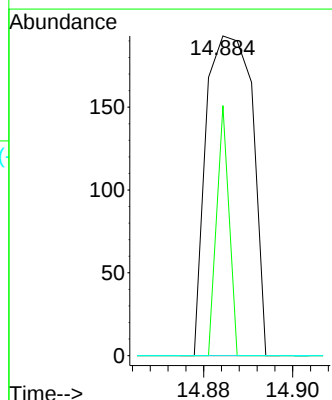
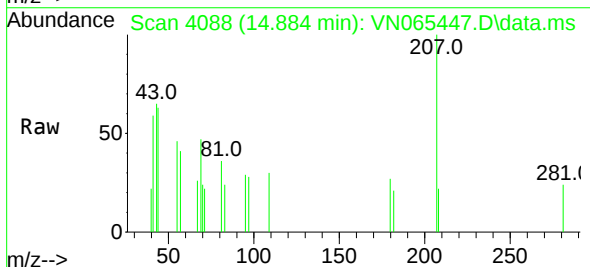
Tgt Ion:180 Resp: 138

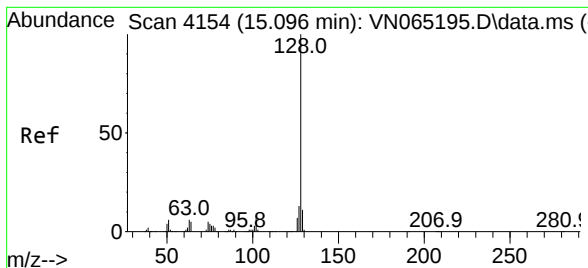
Ion Ratio Lower Upper

180 100

182 21.0 47.6 142.9#

145 0.0 15.3 45.8#

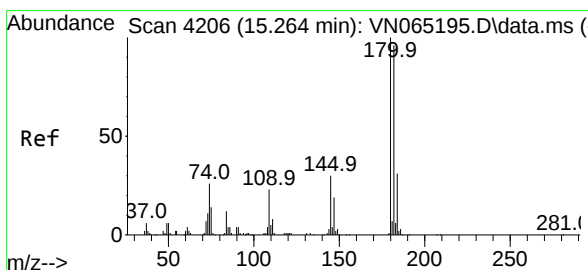
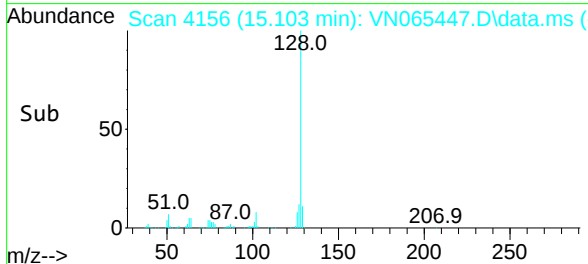
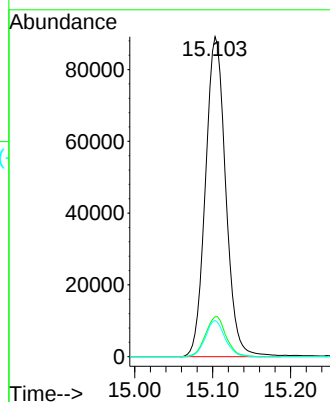
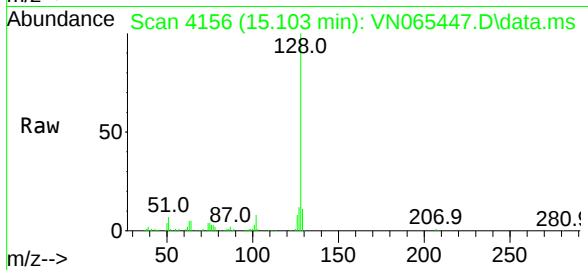




#95
Naphthalene
Concen: 15.72 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.007 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

Instrument :
MSVOA_N
ClientSampleId :
41095DL

Tgt Ion:128 Resp: 160905
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.23 ug/l
RT: 15.286 min Scan# 4213
Delta R.T. 0.022 min
Lab File: VN065447.D
Acq: 8 Jan 2021 16:39

Tgt Ion:180 Resp: 58
Ion Ratio Lower Upper
180 100
182 0.0 48.1 144.4#
145 0.0 16.4 49.1#

