

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010821\
 Data File : VN065445.D
 Acq On : 8 Jan 2021 15:49
 Operator : JC/MD
 Sample : M1022-08DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 16790DL

Quant Time: Jan 08 22:48:23 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)

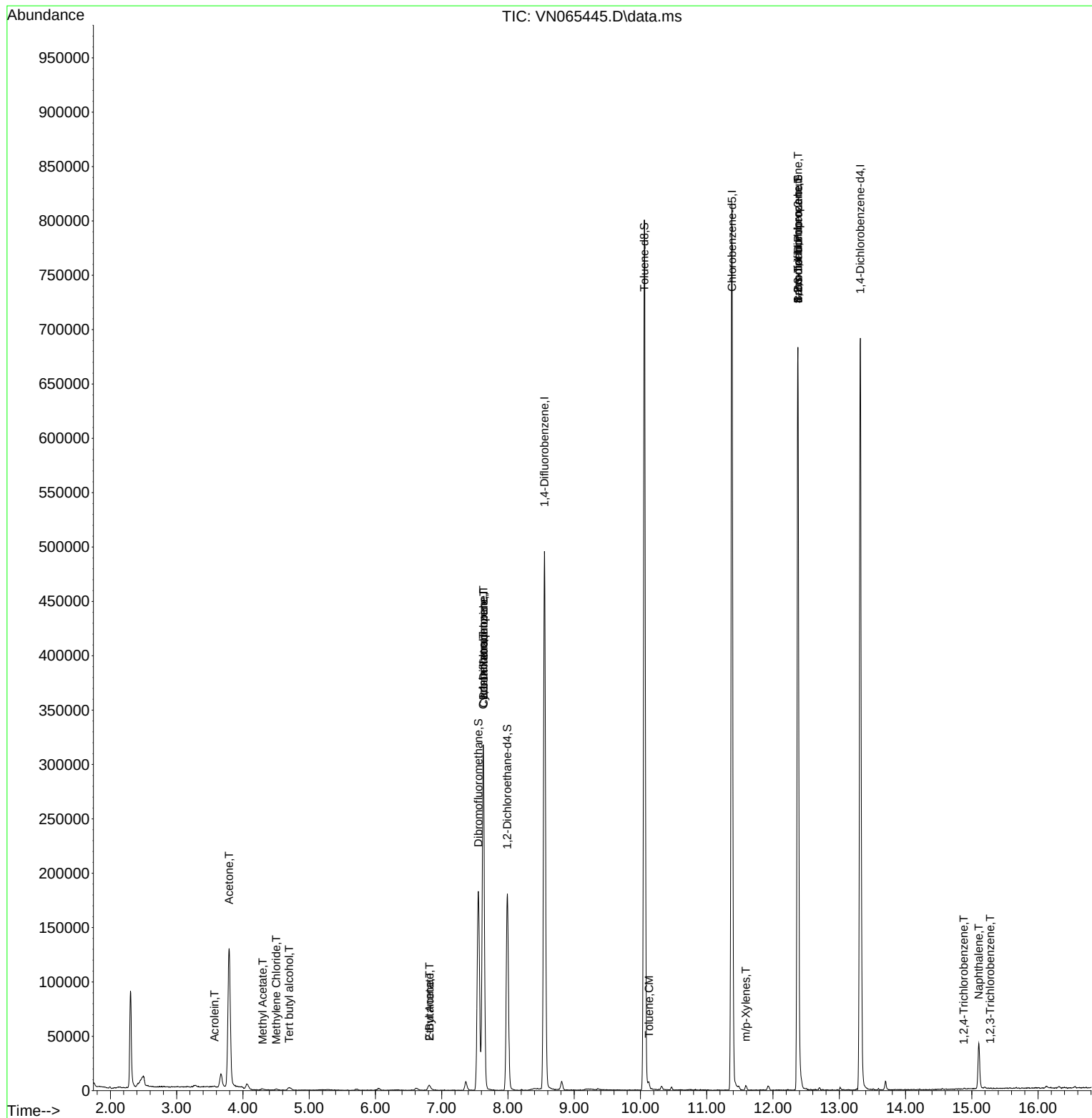
Internal Standards						
1) Pentafluorobenzene	7.627	168	283480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	467916	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	503037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	217140	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.990	65	159715	49.91	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.82%		
35) Dibromofluoromethane	7.553	113	140964	49.93	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.86%		
50) Toluene-d8	10.058	98	579033	54.73	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	109.46%		
62) 4-Bromofluorobenzene	12.376	95	235699	55.68	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	111.36%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.698	59	2312	4.42	ug/l #	73
13) Acrolein	3.569	56	95	2.68	ug/l #	14
16) Acetone	3.791	43	210604	152.63	ug/l	97
18) Methyl Acetate	4.296	43	2806	0.98	ug/l #	59
20) Methylene Chloride	4.502	84	837	0.27	ug/l #	69
25) 2-Butanone	6.814	43	5599	3.12	ug/l	94
31) Cyclohexane	7.624	56	4859	1.03	ug/l #	20
36) 1,1-Dichloropropene	7.627	75	17784	4.18	ug/l #	49
37) Ethyl Acetate	6.814	43	5599	1.33	ug/l #	66
38) Carbon Tetrachloride	7.630	117	24079	5.39	ug/l #	15
52) Toluene	10.129	92	1666	0.21	ug/l	91
68) m/p-Xylenes	11.592	106	1485	0.21	ug/l	82
71) Bromoform	12.376	173	1512	0.44	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	115782	26.14	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	115782	65.90	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.878	180	141	2.86	ug/l #	16
95) Naphthalene	15.106	128	41919	6.85	ug/l	99
96) 1,2,3-Trichlorobenzene	15.280	180	211	3.27	ug/l #	69

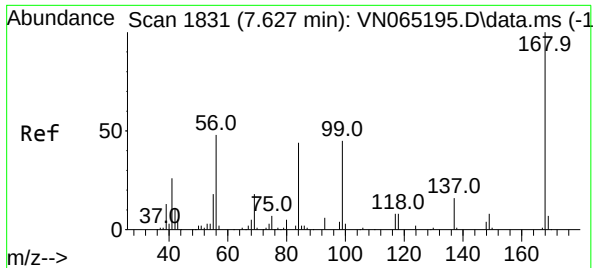
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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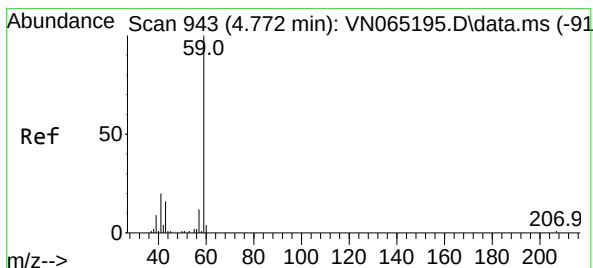
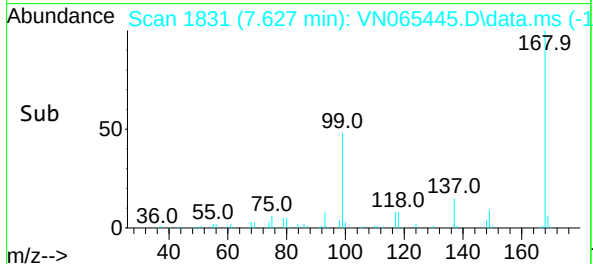
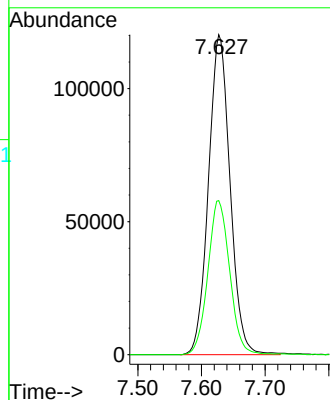
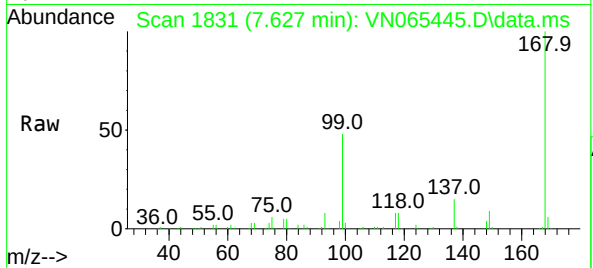




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

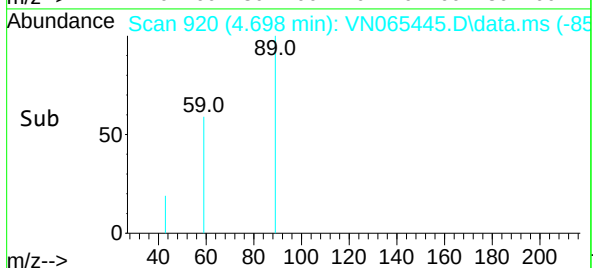
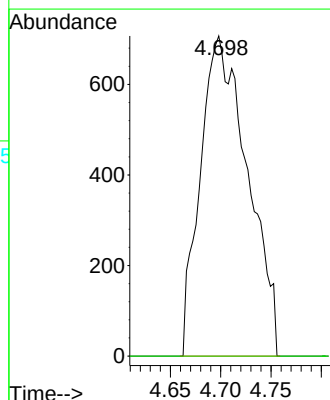
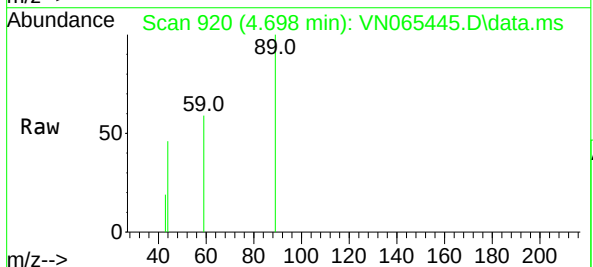
Instrument :
MSVOA_N
ClientSampleId :
16790DL

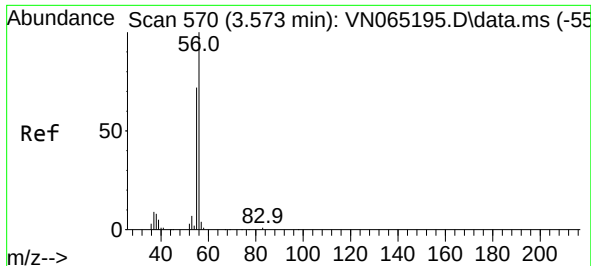
Tgt Ion:168 Resp: 283480
Ion Ratio Lower Upper
168 100
99 48.2 43.0 64.4



#11
Tert butyl alcohol
Concen: 4.42 ug/l
RT: 4.698 min Scan# 920
Delta R.T. -0.074 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

Tgt Ion: 59 Resp: 2312
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

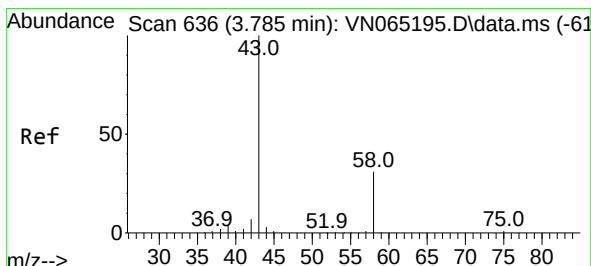
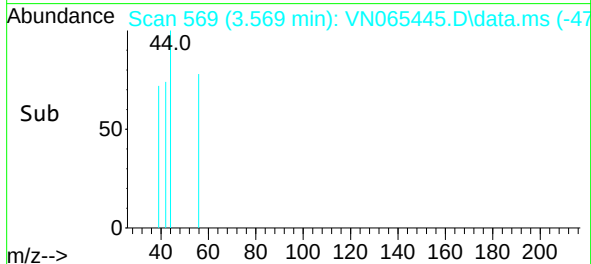
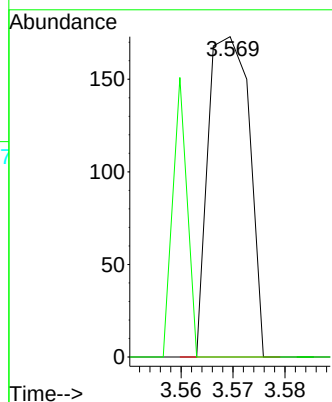
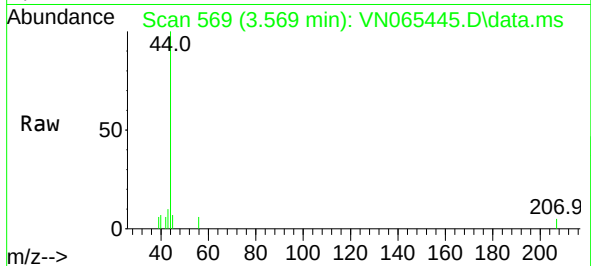




#13
Acrolein
Concen: 2.68 ug/l
RT: 3.569 min Scan# 569
Delta R.T. -0.004 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

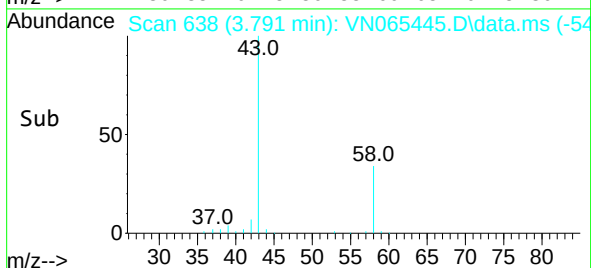
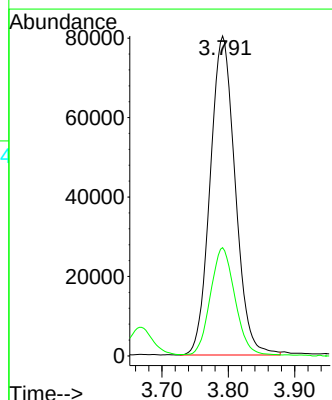
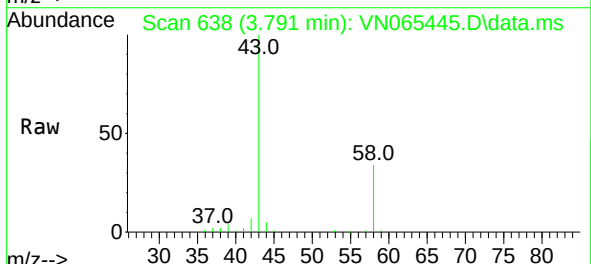
Instrument :
MSVOA_N
ClientSampleId :
16790DL

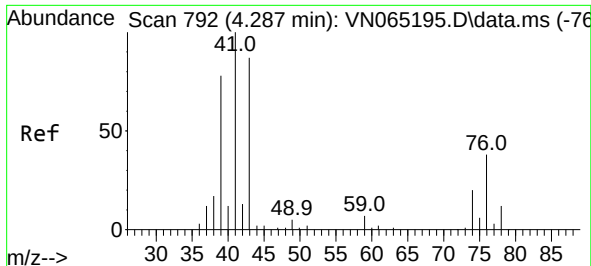
Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 0.0 56.5 84.7#



#16
Acetone
Concen: 152.63 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.006 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

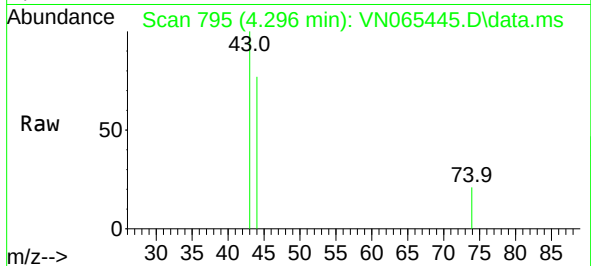
Tgt Ion: 43 Resp: 210604
Ion Ratio Lower Upper
43 100
58 33.6 25.7 38.5



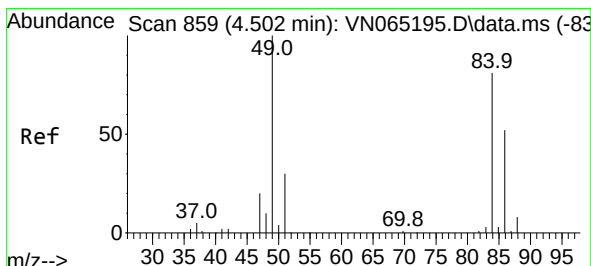
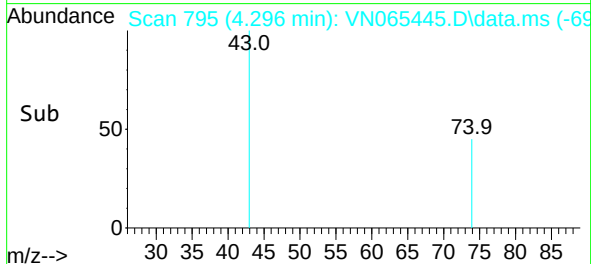
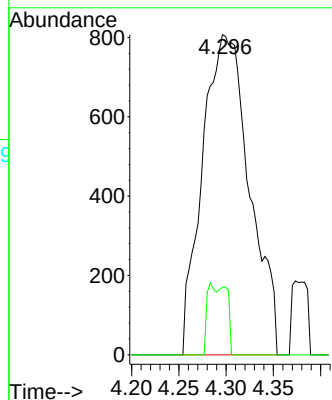


#18
Methyl Acetate
Concen: 0.98 ug/l
RT: 4.296 min Scan# 795
Delta R.T. 0.009 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

Instrument :
MSVOA_N
ClientSampleId :
16790DL

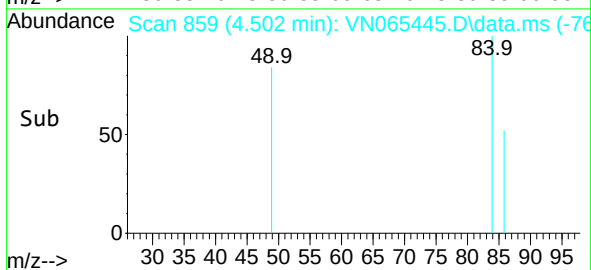
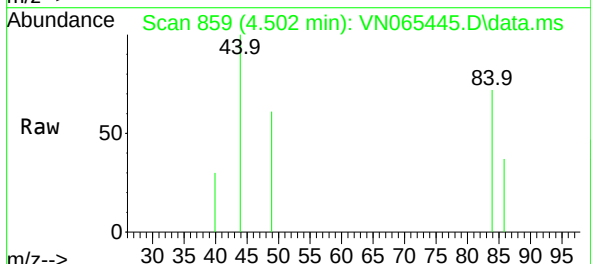
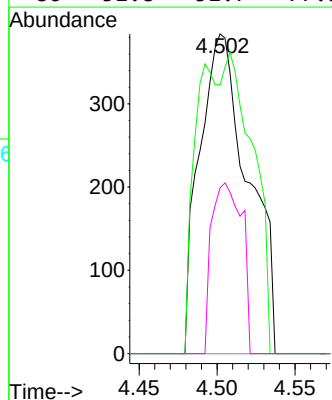


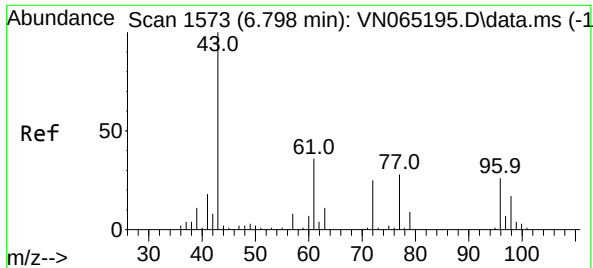
Tgt Ion: 43 Resp: 2806
Ion Ratio Lower Upper
43 100
74 4.6 20.2 30.2#



#20
Methylene Chloride
Concen: 0.27 ug/l
RT: 4.502 min Scan# 859
Delta R.T. -0.000 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

Tgt Ion: 84 Resp: 837
Ion Ratio Lower Upper
84 100
49 84.1 93.4 140.0#
51 0.0 28.2 42.4#
86 51.8 51.7 77.5

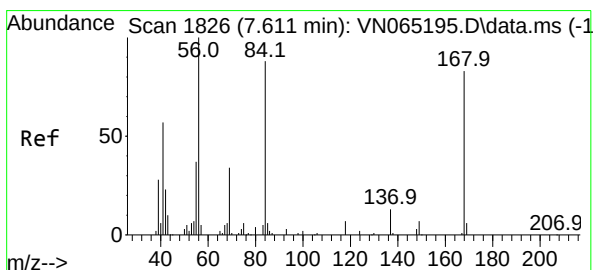
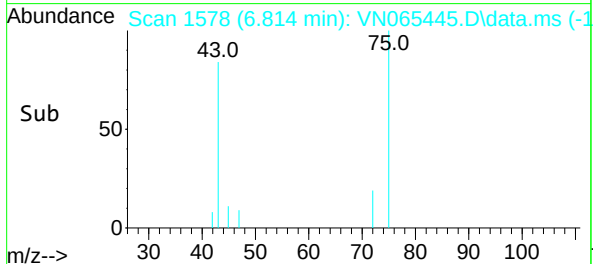
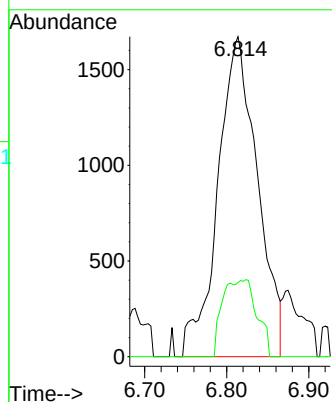
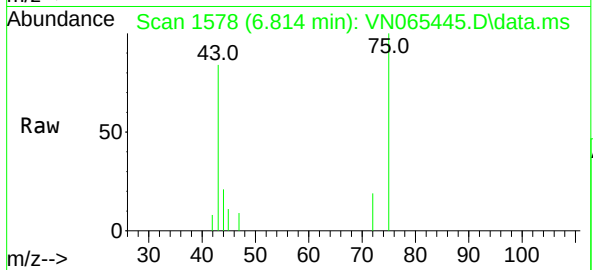




#25
2-Butanone
Concen: 3.12 ug/l
RT: 6.814 min Scan# 1578
Delta R.T. 0.016 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

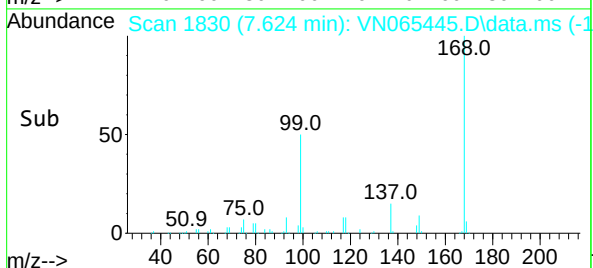
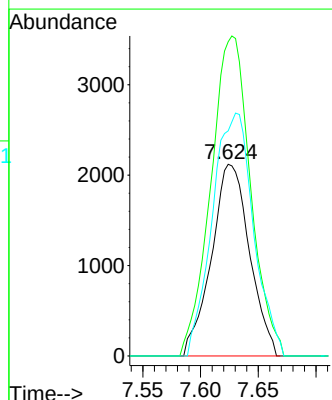
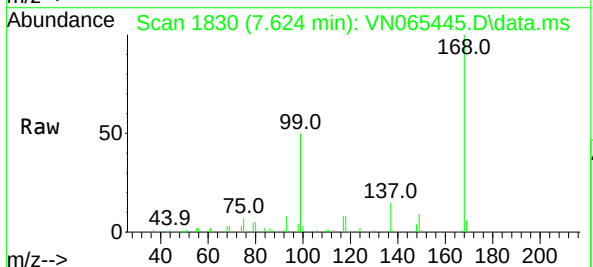
Instrument :
MSVOA_N
ClientSampled :
16790DL

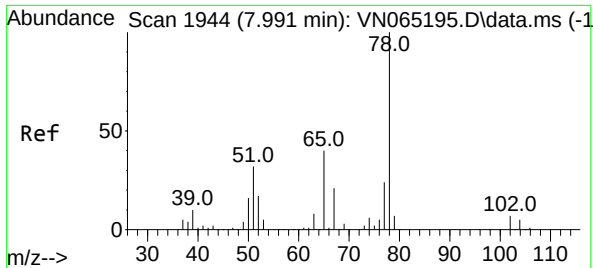
Tgt Ion: 43 Resp: 5599
Ion Ratio Lower Upper
43 100
72 23.1 21.0 31.6



#31
Cyclohexane
Concen: 1.03 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.013 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

Tgt Ion: 56 Resp: 4859
Ion Ratio Lower Upper
56 100
69 163.9 27.5 41.3#
84 117.5 73.9 110.9#

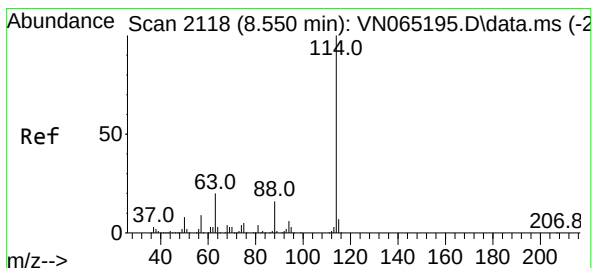
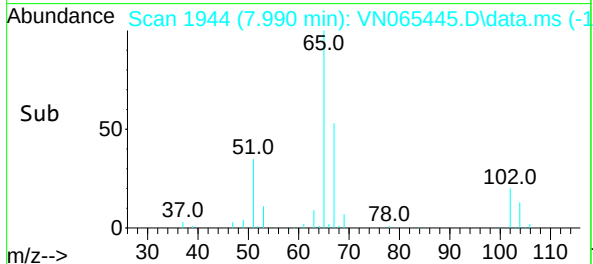
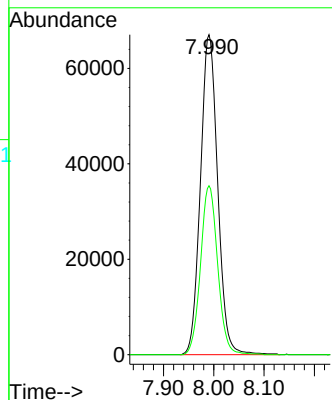
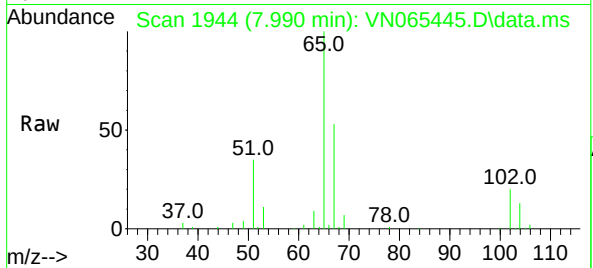




#33
1,2-Dichloroethane-d4
Concen: 49.91 ug/l
RT: 7.990 min Scan# 1944
Delta R.T. -0.001 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

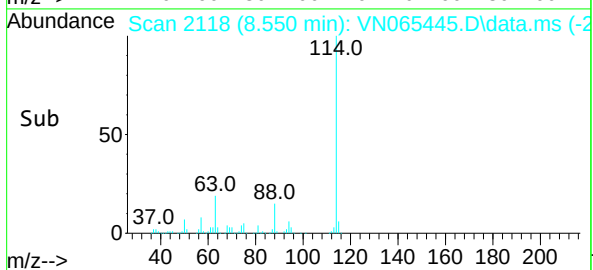
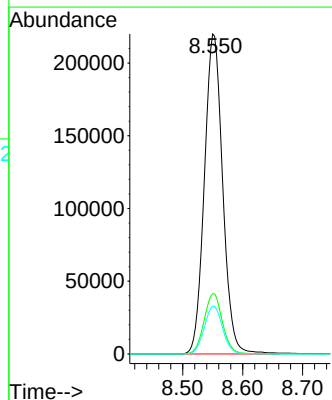
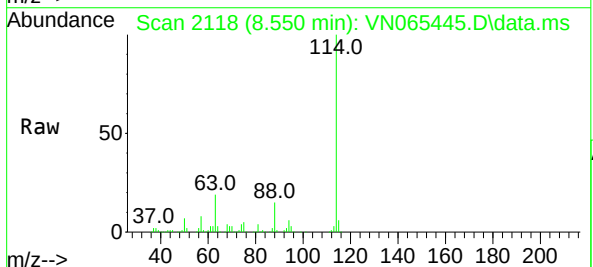
Instrument :
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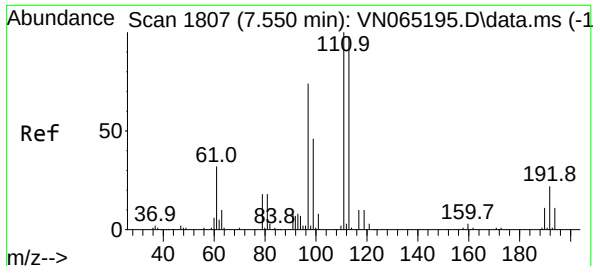
Tgt Ion: 65 Resp: 159715
Ion Ratio Lower Upper
65 100
67 52.5 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

Tgt Ion: 114 Resp: 467916
Ion Ratio Lower Upper
114 100
63 18.9 0.0 38.6
88 14.9 0.0 32.6

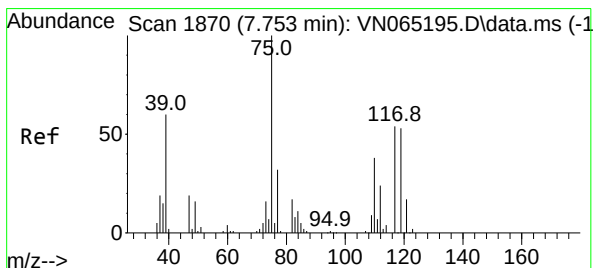
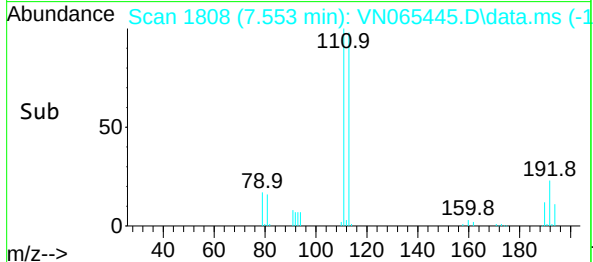
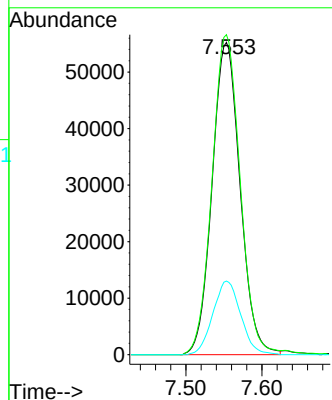
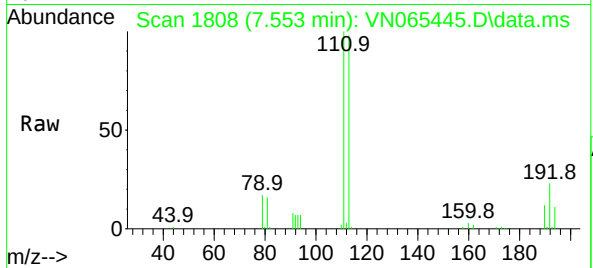




#35
Dibromofluoromethane
Concen: 49.93 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

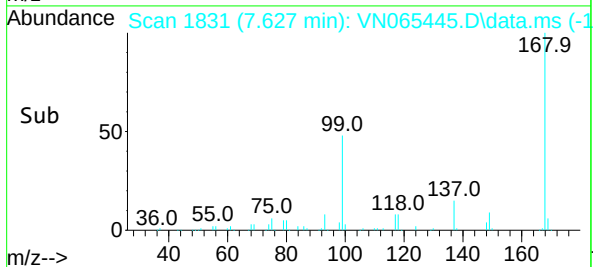
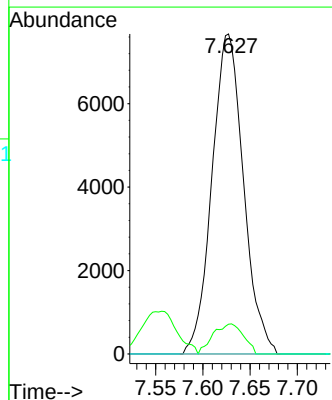
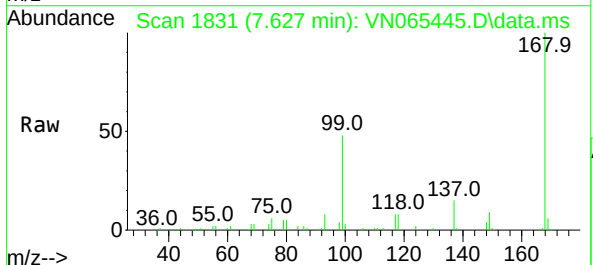
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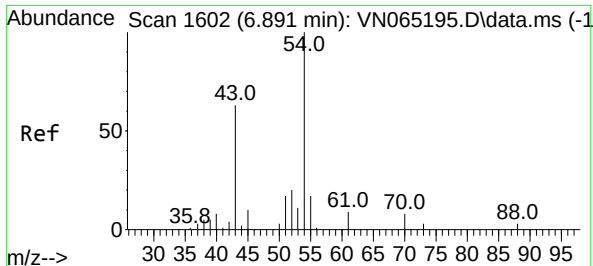
Tgt Ion:113 Resp: 140964
Ion Ratio Lower Upper
113 100
111 103.0 81.6 122.4
192 23.5 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.18 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

Tgt Ion: 75 Resp: 17784
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.33 ug/l

RT: 6.814 min Scan# 1578

Delta R.T. -0.077 min

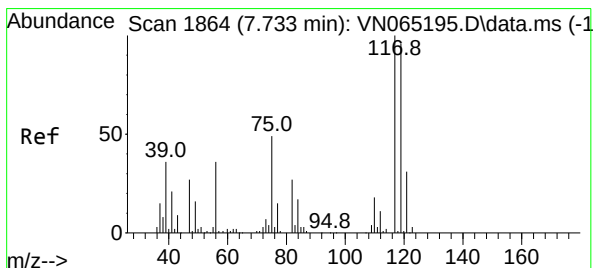
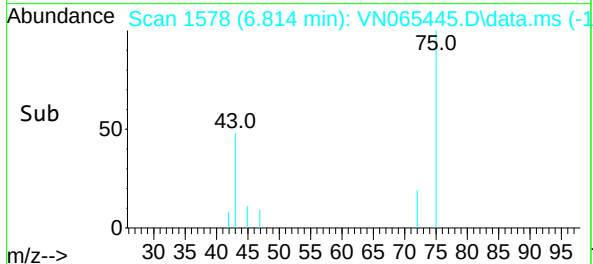
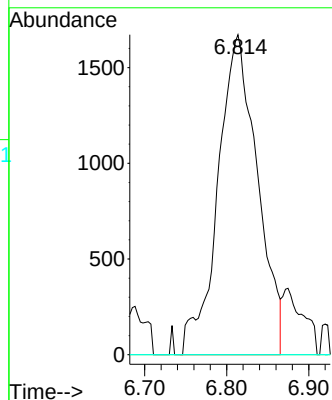
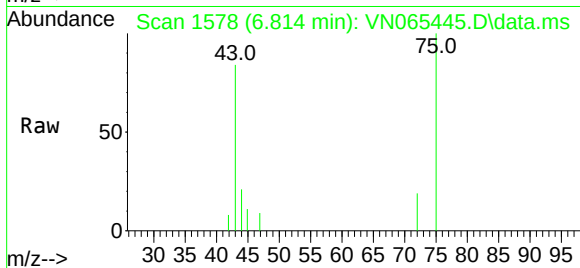
Lab File: VN065445.D

Acq: 8 Jan 2021 15:49

Instrument :
MSVOA_N
ClientSampleId :
16790DL

Tgt Ion: 43 Resp: 5599

Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.39 ug/l

RT: 7.630 min Scan# 1832

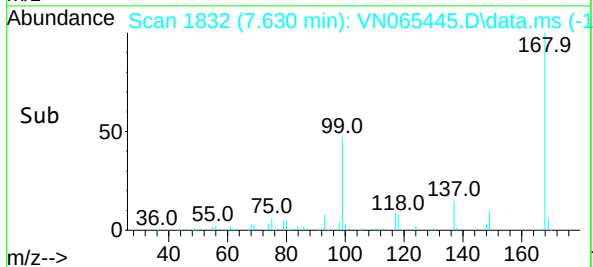
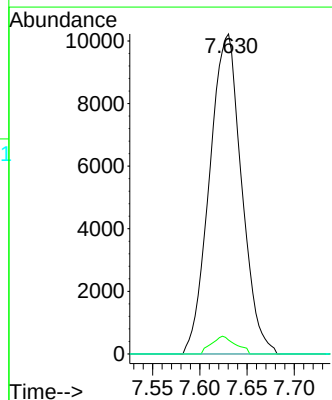
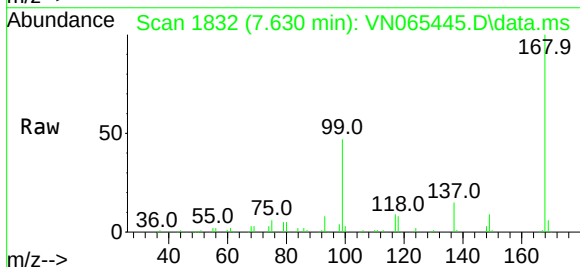
Delta R.T. -0.103 min

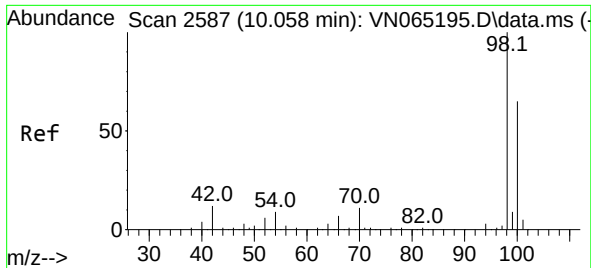
Lab File: VN065445.D

Acq: 8 Jan 2021 15:49

Tgt Ion: 117 Resp: 24079

Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.7	115.1#
121	0.0	25.4	38.2#

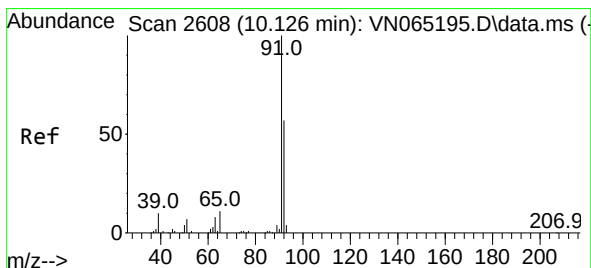
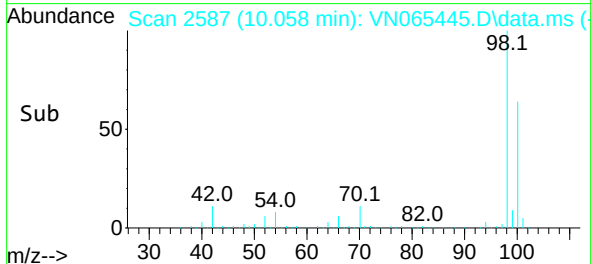
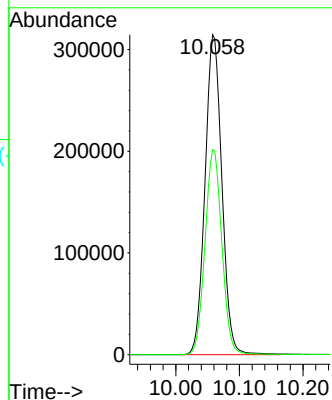
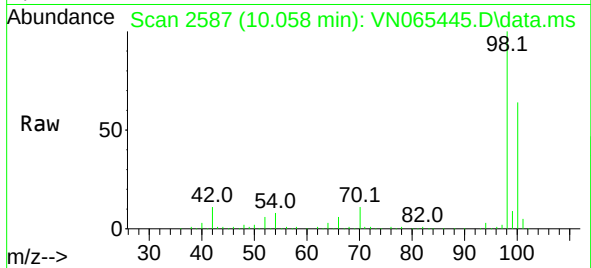




#50
Toluene-d8
Concen: 54.73 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

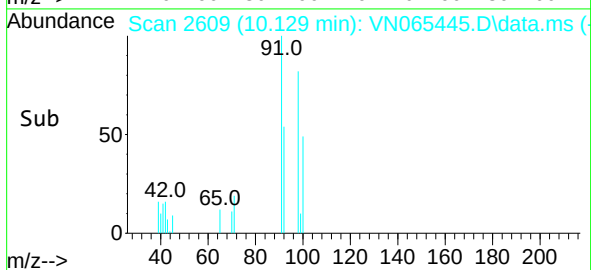
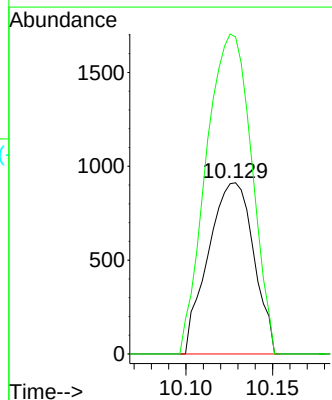
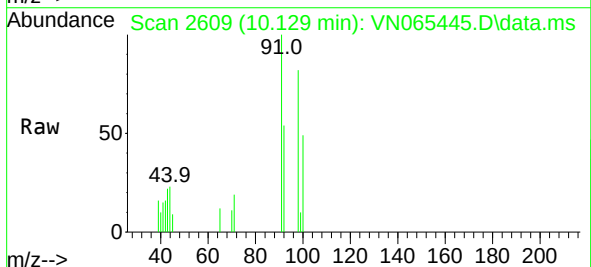
Instrument :
MSVOA_N
ClientSampled :
16790DL

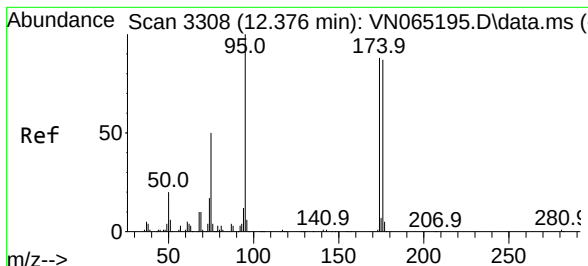
Tgt Ion: 98 Resp: 579033
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



#52
Toluene
Concen: 0.21 ug/l
RT: 10.129 min Scan# 2609
Delta R.T. 0.003 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

Tgt Ion: 92 Resp: 1666
Ion Ratio Lower Upper
92 100
91 186.4 139.1 208.7

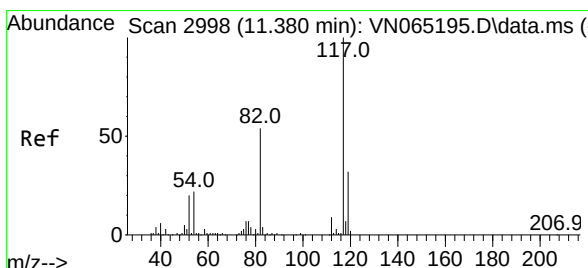
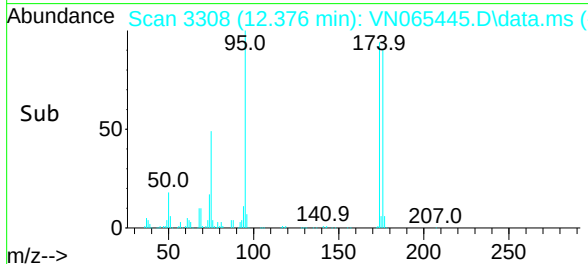
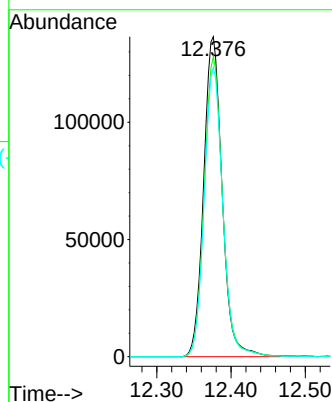
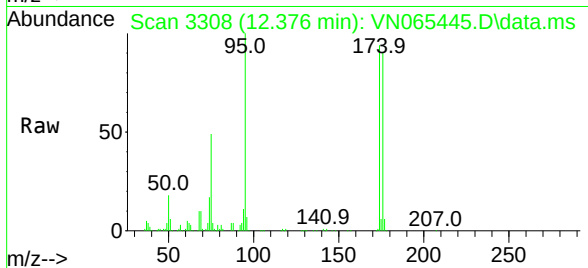




#62
4-Bromofluorobenzene
Concen: 55.68 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

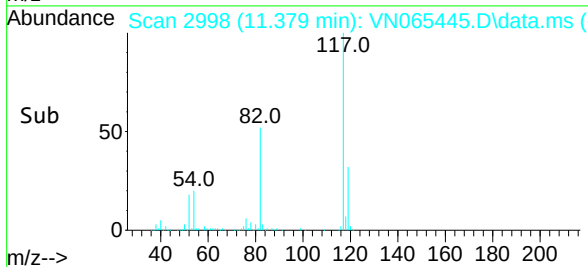
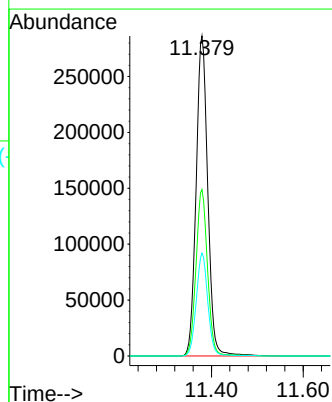
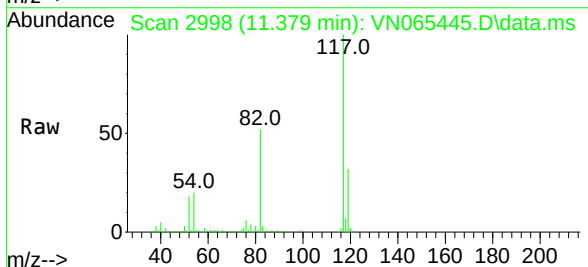
Instrument :
MSVOA_N
ClientSampleId :
16790DL

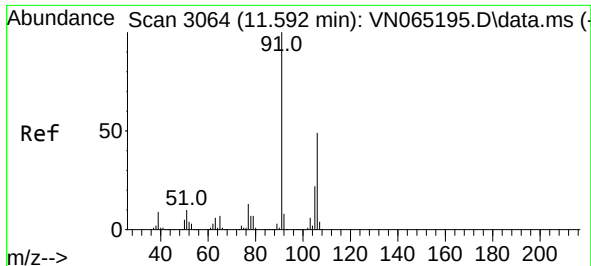
Tgt Ion: 95 Resp: 235699
Ion Ratio Lower Upper
95 100
174 94.1 0.0 160.4
176 91.0 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

Tgt Ion: 117 Resp: 503037
Ion Ratio Lower Upper
117 100
82 52.0 44.2 66.2
119 32.1 25.8 38.6

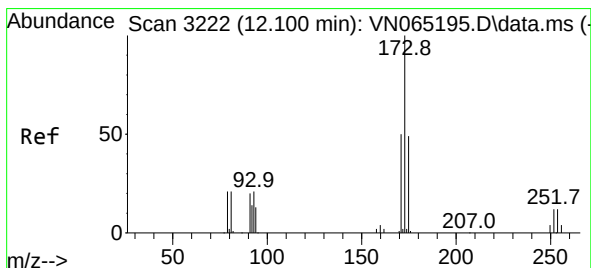
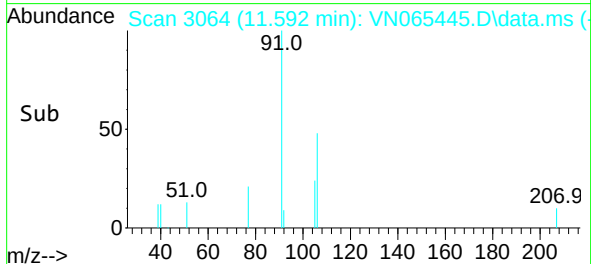
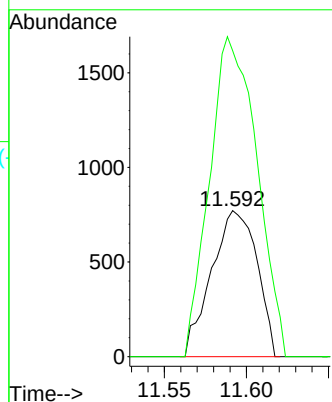
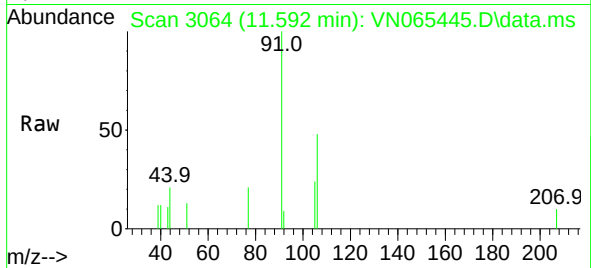




#68
m/p-Xylenes
Concen: 0.21 ug/l
RT: 11.592 min Scan# 3064
Delta R.T. -0.000 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

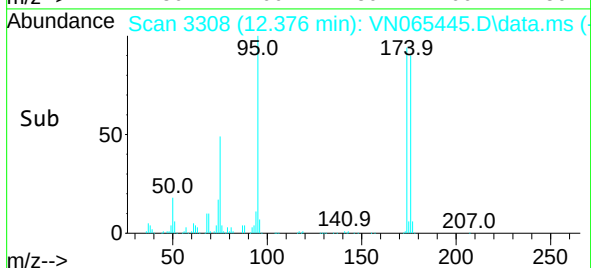
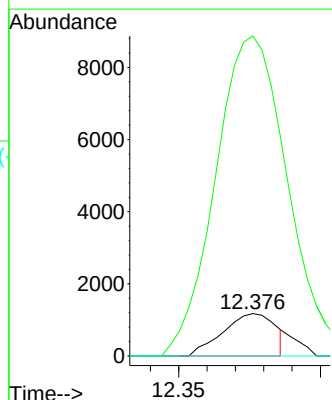
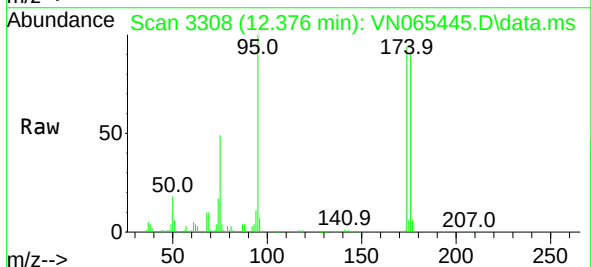
Instrument :
MSVOA_N
ClientSampleId :
16790DL

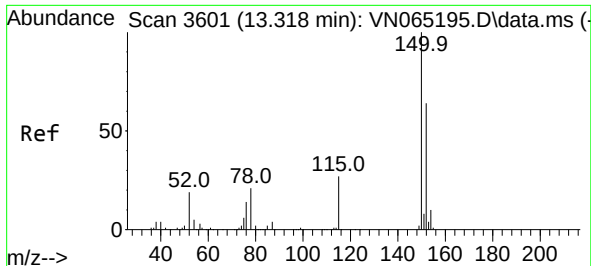
Tgt Ion:106 Resp: 1485
Ion Ratio Lower Upper
106 100
91 228.2 161.0 241.4



#71
Bromoform
Concen: 0.44 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

Tgt Ion:173 Resp: 1512
Ion Ratio Lower Upper
173 100
175 865.3 24.3 72.8#
254 0.0 0.0 0.0

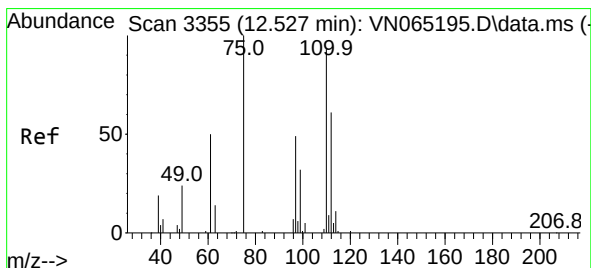
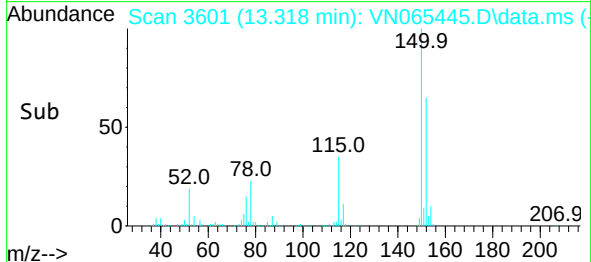
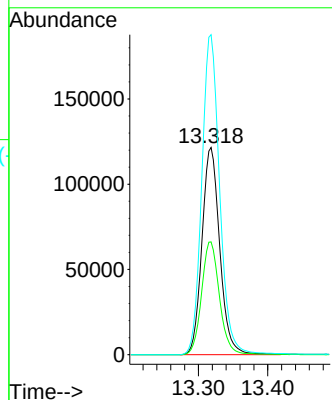
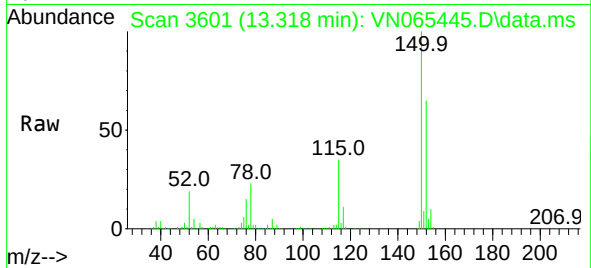




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.318 min Scan# 3601
 Delta R.T. 0.000 min
 Lab File: VN065445.D
 Acq: 8 Jan 2021 15:49

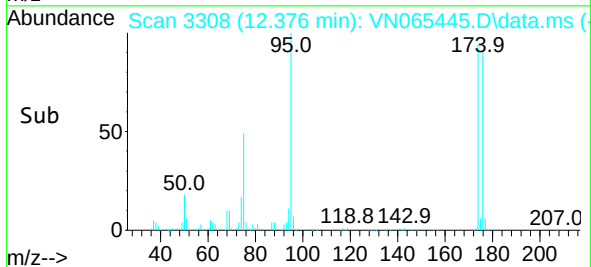
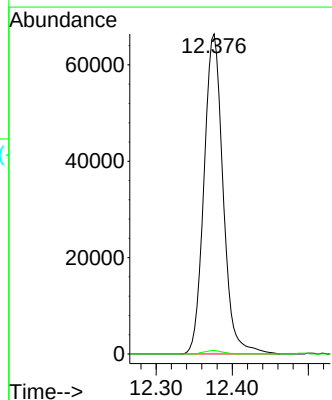
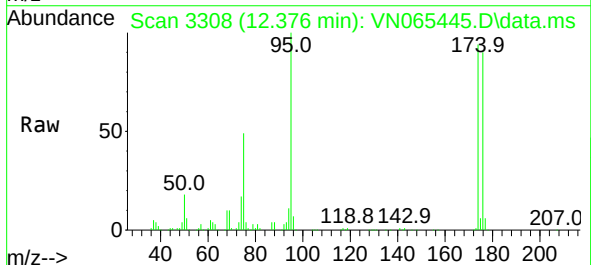
Instrument :
 MSVOA_N
 ClientSampleId :
 16790DL

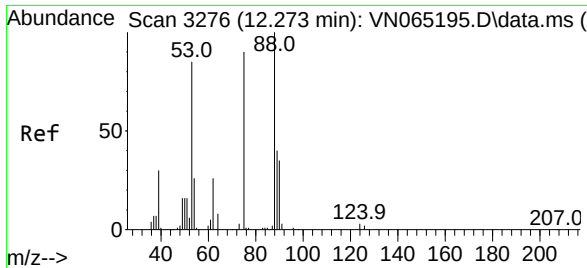
Tgt Ion:152 Resp: 217140
 Ion Ratio Lower Upper
 152 100
 115 54.8 29.7 89.1
 150 154.8 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 26.14 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. -0.151 min
 Lab File: VN065445.D
 Acq: 8 Jan 2021 15:49

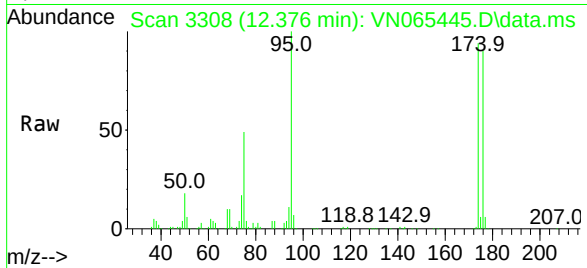
Tgt Ion: 75 Resp: 115782
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



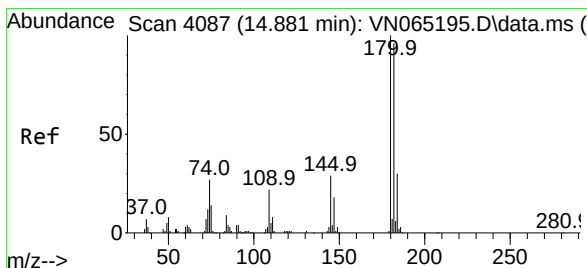
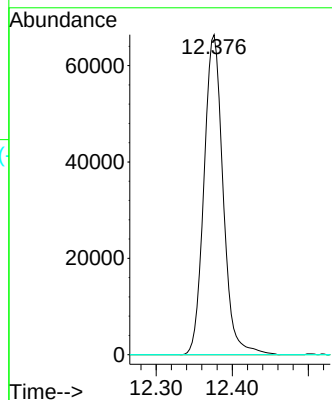
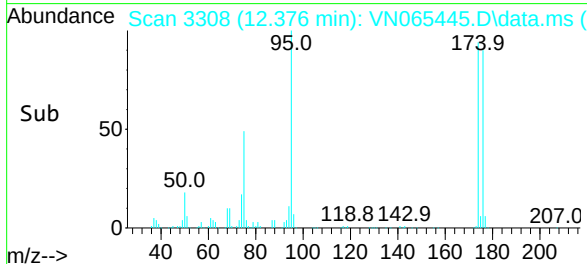


#81
trans-1,4-Dichloro-2-butene
Concen: 65.90 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

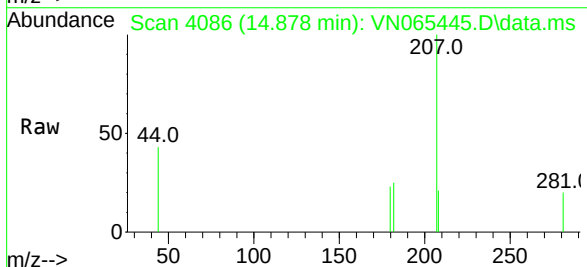
Instrument :
MSVOA_N
ClientSampleId :
16790DL



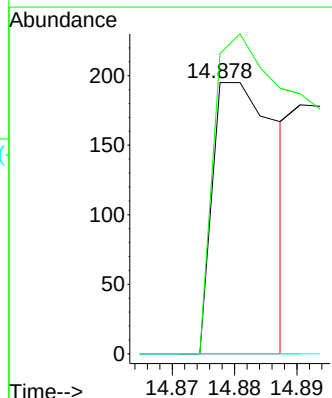
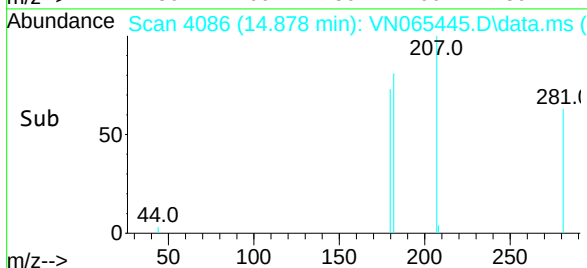
Tgt Ion: 75 Resp: 115782
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#

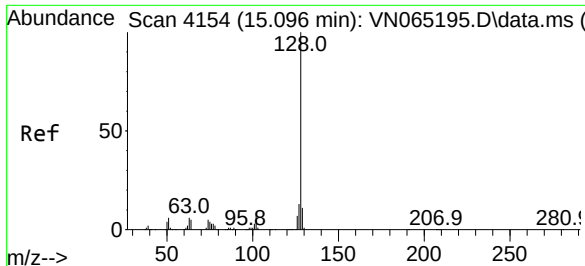


#93
1,2,4-Trichlorobenzene
Concen: 2.86 ug/l
RT: 14.878 min Scan# 4086
Delta R.T. -0.003 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49



Tgt Ion: 180 Resp: 141
Ion Ratio Lower Upper
180 100
182 185.8 47.6 142.9#
145 0.0 15.3 45.8#

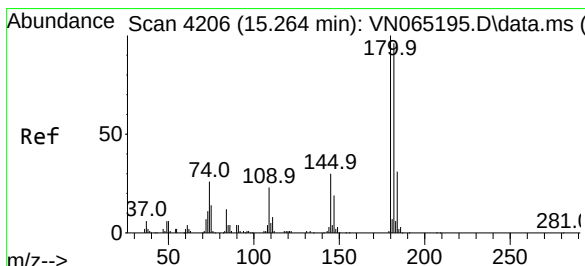
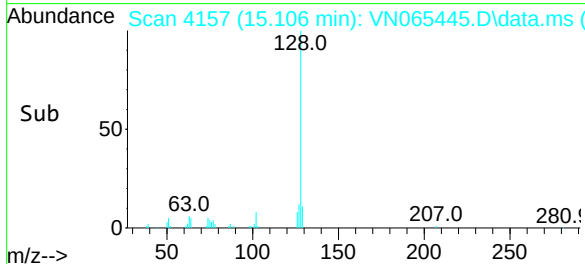
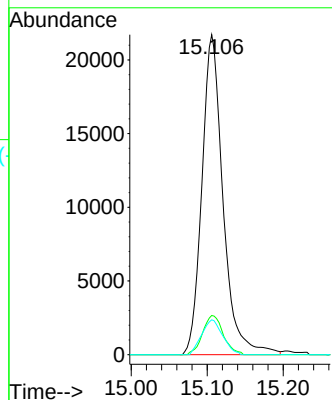
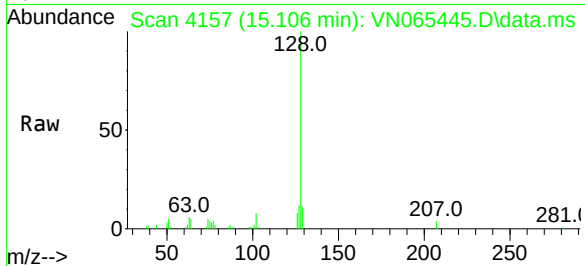




#95
Naphthalene
Concen: 6.85 ug/l
RT: 15.106 min Scan# 4157
Delta R.T. 0.010 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

Instrument :
MSVOA_N
ClientSampleId :
16790DL

Tgt Ion:128 Resp: 41919
Ion Ratio Lower Upper
128 100
127 12.0 10.3 15.5
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.27 ug/l
RT: 15.280 min Scan# 4211
Delta R.T. 0.016 min
Lab File: VN065445.D
Acq: 8 Jan 2021 15:49

Tgt Ion:180 Resp: 211
Ion Ratio Lower Upper
180 100
182 75.4 48.1 144.4
145 0.0 16.4 49.1#

