

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011521\
 Data File : VN065523.D
 Acq On : 15 Jan 2021 15:33
 Operator : JC/MD
 Sample : M1142-02 100X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30936

Quant Time: Jan 15 23:41:52 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)

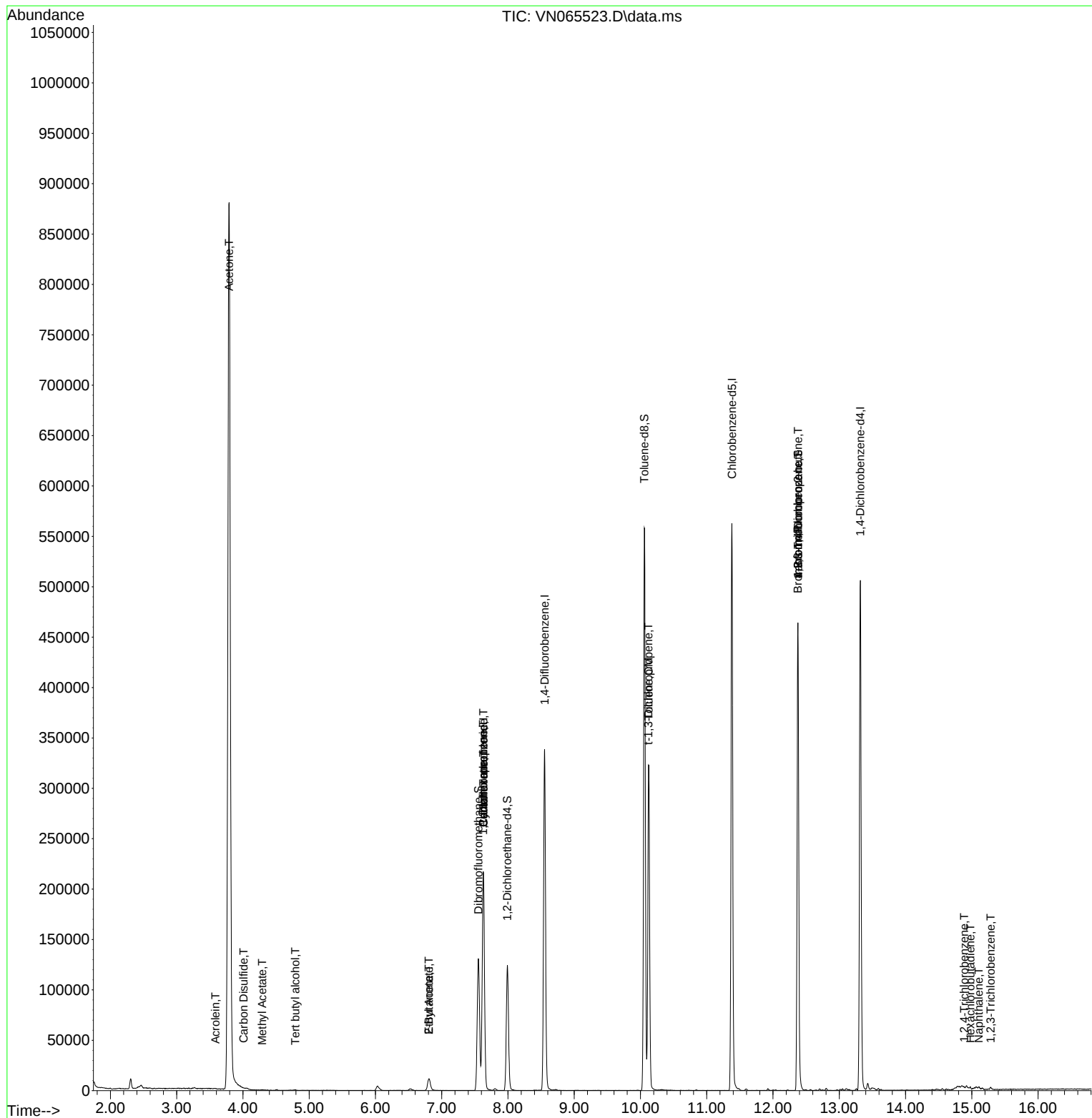
Internal Standards						
1) Pentafluorobenzene	7.627	168	204109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	333226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	361671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	160608	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	108320	47.01	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.02%		
35) Dibromofluoromethane	7.553	113	103431	51.45	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.90%		
50) Toluene-d8	10.058	98	414115	54.96	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	109.92%		
62) 4-Bromofluorobenzene	12.376	95	161910	53.89	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	107.78%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.791	59	1323	3.51	ug/l #	73
13) Acrolein	3.586	56	122	2.88	ug/l #	14
16) Acetone	3.791	43	1440039	1545.02	ug/l	90
17) Carbon Disulfide	4.010	76	1049	0.20	ug/l #	75
18) Methyl Acetate	4.290	43	753	0.36	ug/l #	50
25) 2-Butanone	6.804	43	625	0.48	ug/l #	49
31) Cyclohexane	7.627	56	2770	0.81	ug/l #	1
36) 1,1-Dichloropropene	7.624	75	12339	4.07	ug/l #	49
37) Ethyl Acetate	6.804	43	625	0.21	ug/l #	71
38) Carbon Tetrachloride	7.627	117	15709	4.94	ug/l #	16
52) Toluene	10.122	92	151062	26.59	ug/l	100
53) t-1,3-Dichloropropene	10.119	75	1619	0.43	ug/l #	1
71) Bromoform	12.373	173	540	0.22	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	75822	23.14	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	75822	58.35	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.884	180	1042	3.14	ug/l #	72
94) Hexachlorobutadiene	14.981	225	693	0.34	ug/l	85
95) Naphthalene	15.106	128	3262	3.74	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.286	180	1056	3.56	ug/l	86

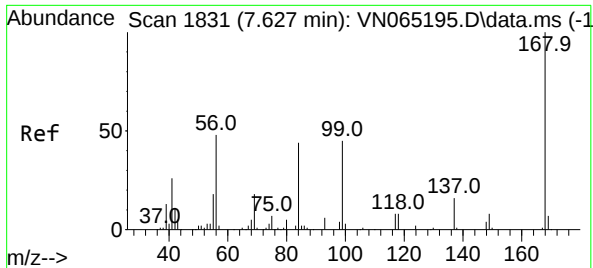
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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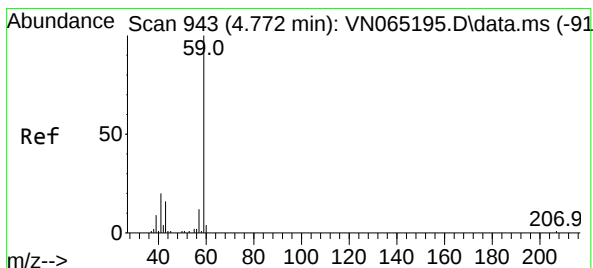
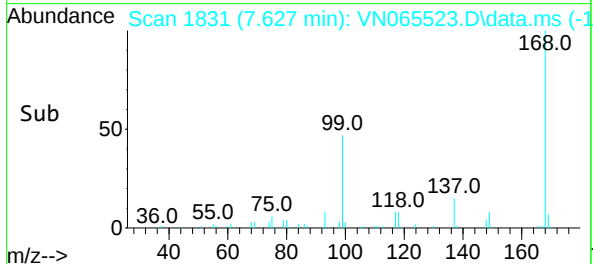
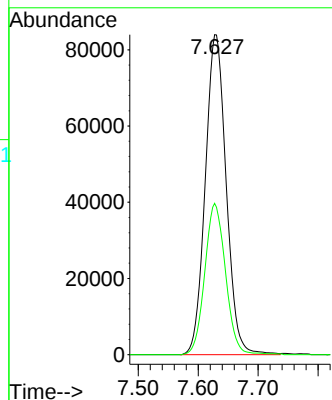
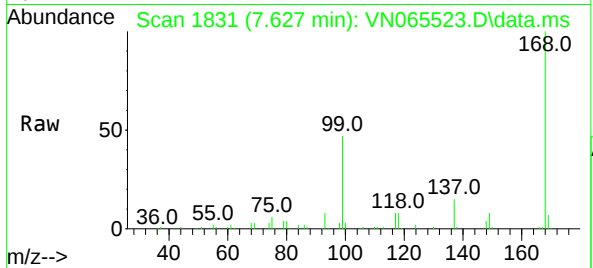




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

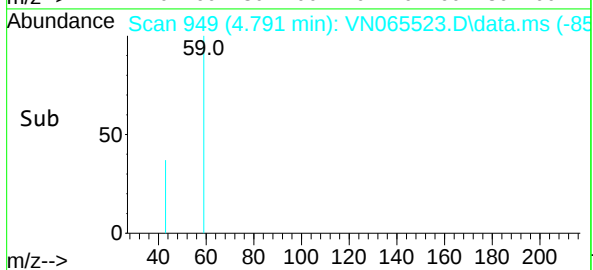
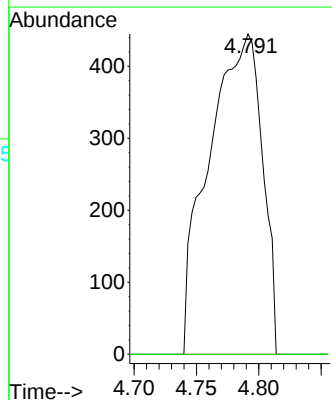
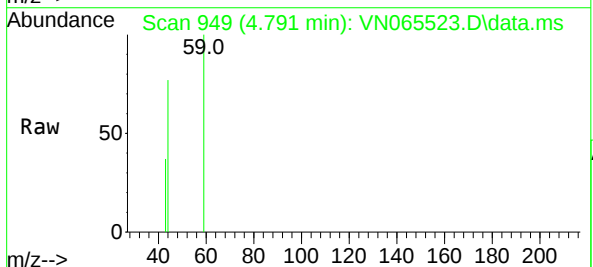
Instrument :
MSVOA_N
ClientSampleId :
30936

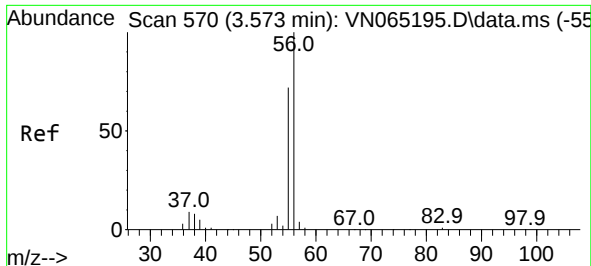
Tgt Ion:168 Resp: 204109
Ion Ratio Lower Upper
168 100
99 47.3 43.0 64.4



#11
Tert butyl alcohol
Concen: 3.51 ug/l
RT: 4.791 min Scan# 949
Delta R.T. 0.019 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

Tgt Ion: 59 Resp: 1323
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

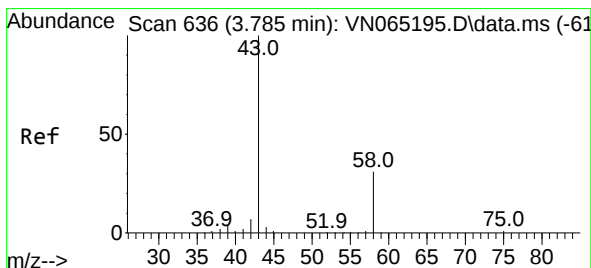
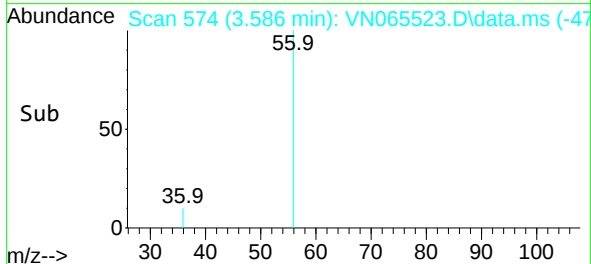
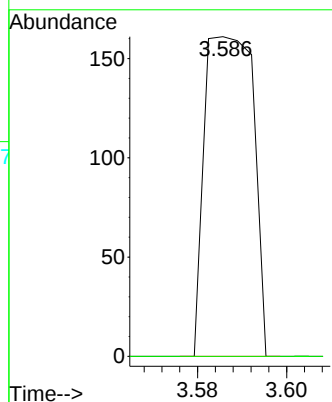
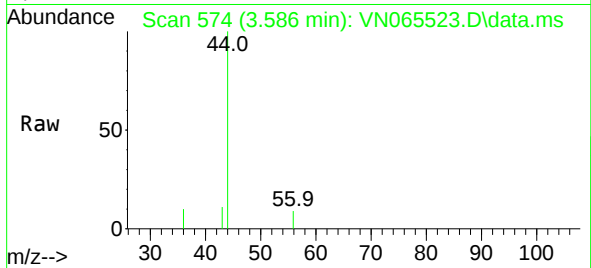




#13
Acrolein
Concen: 2.88 ug/l
RT: 3.586 min Scan# 574
Delta R.T. 0.013 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

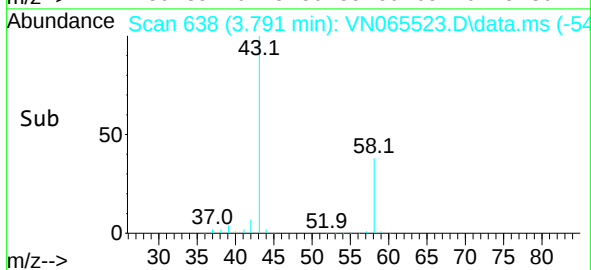
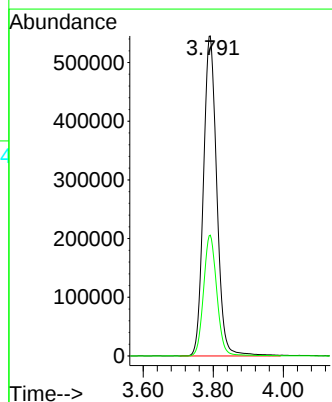
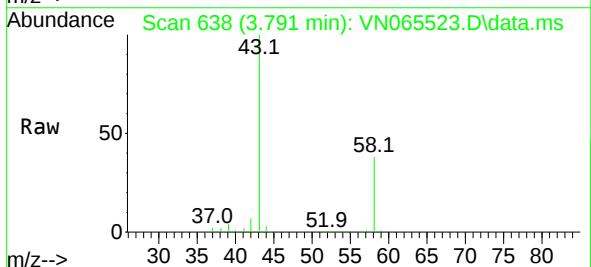
Instrument :
MSVOA_N
ClientSampled :
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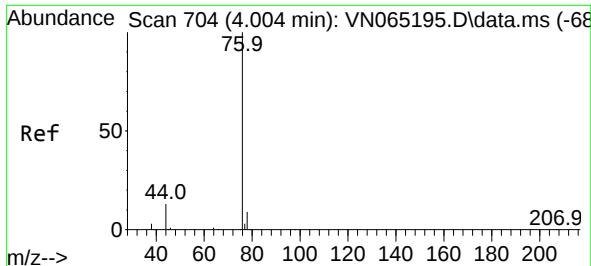
Tgt Ion: 56 Resp: 122
Ion Ratio Lower Upper
56 100
55 0.0 56.5 84.7#



#16
Acetone
Concen: 1545.02 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.006 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

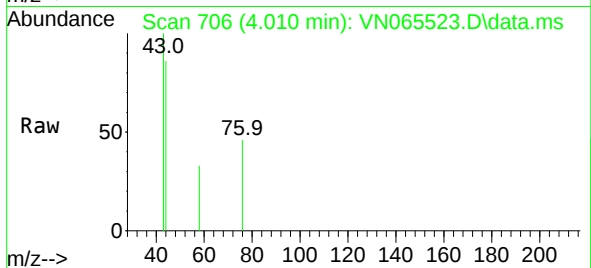
Tgt Ion: 43 Resp: 1440039
Ion Ratio Lower Upper
43 100
58 37.7 25.7 38.5



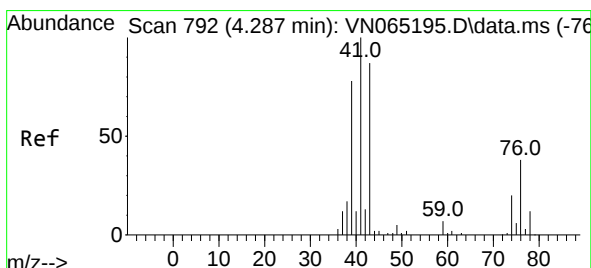
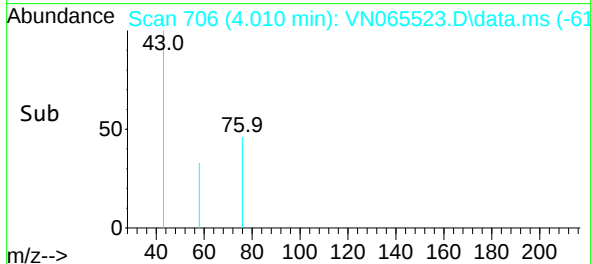
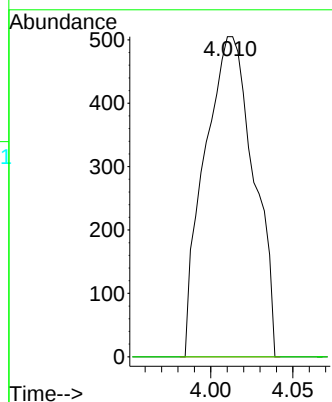


#17
Carbon Disulfide
Concen: 0.20 ug/l
RT: 4.010 min Scan# 706
Delta R.T. 0.006 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

Instrument :
MSVOA_N
ClientSampled :
30936

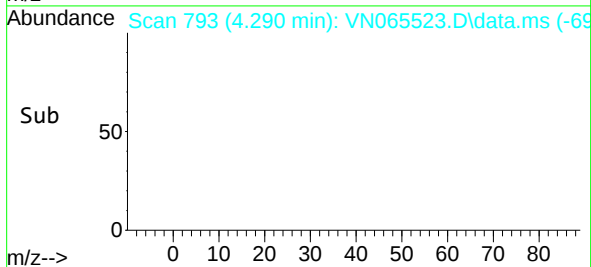
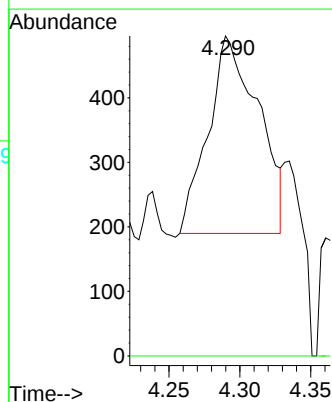
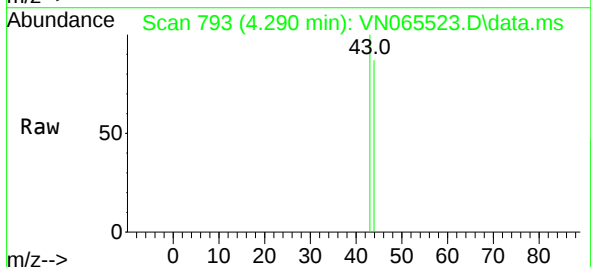


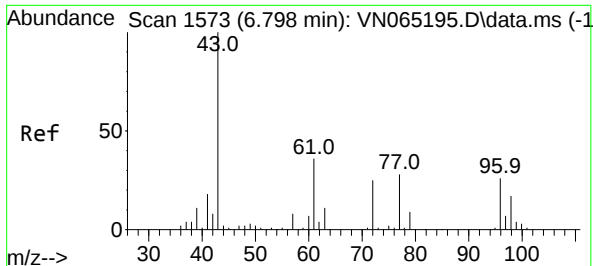
Tgt Ion: 76 Resp: 1049
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.36 ug/l
RT: 4.290 min Scan# 793
Delta R.T. 0.003 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

Tgt Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#

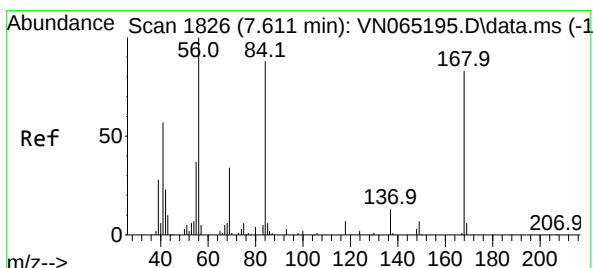
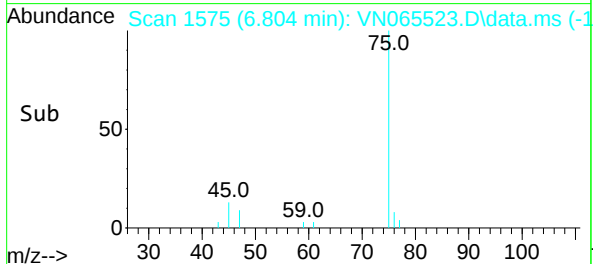
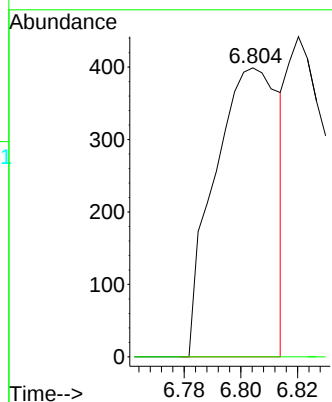
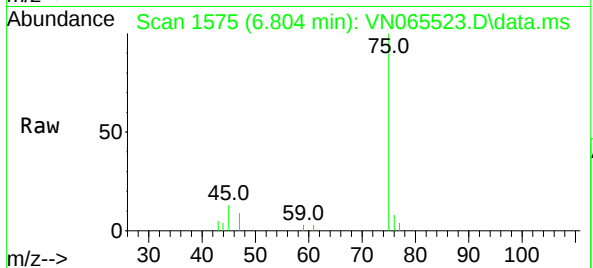




#25
2-Butanone
Concen: 0.48 ug/l
RT: 6.804 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

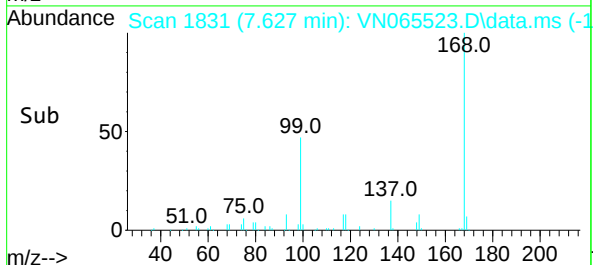
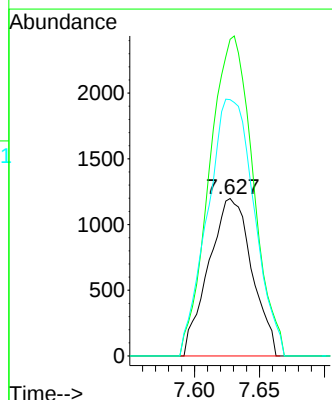
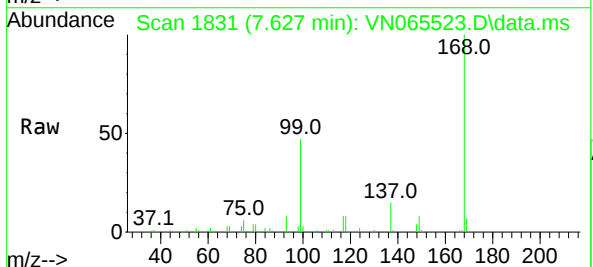
Instrument :
MSVOA_N
ClientSampled :
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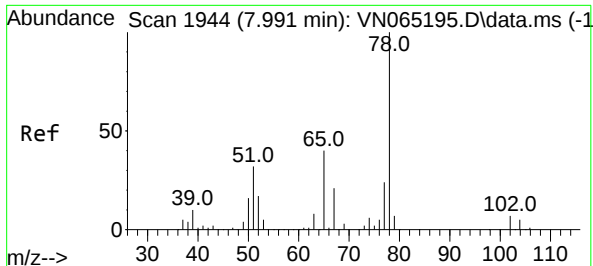
Tgt Ion: 43 Resp: 625
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#31
Cyclohexane
Concen: 0.81 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

Tgt Ion: 56 Resp: 2770
Ion Ratio Lower Upper
56 100
69 201.1 27.5 41.3#
84 162.8 73.9 110.9#

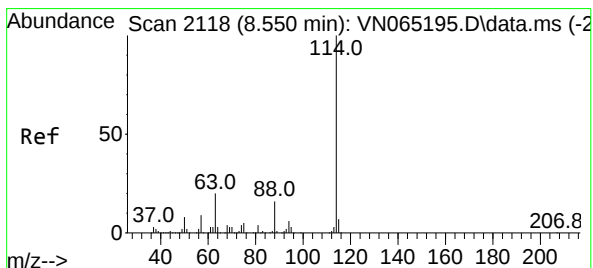
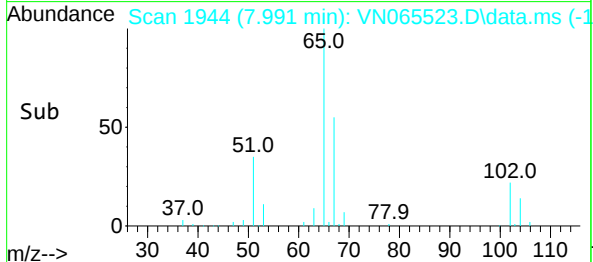
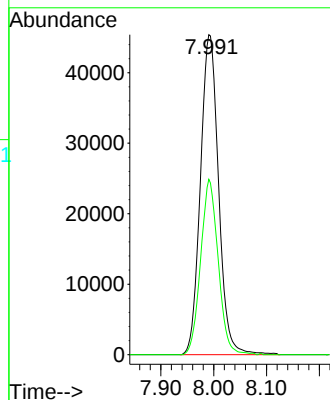
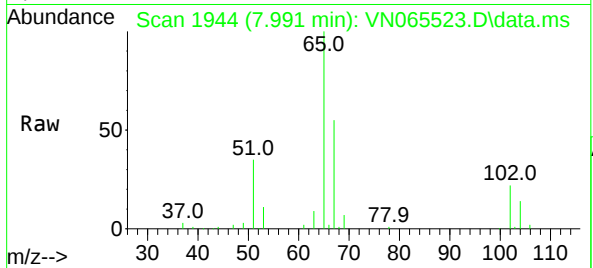




#33
 1,2-Dichloroethane-d4
 Concen: 47.01 ug/l
 RT: 7.991 min Scan# 1944
 Delta R.T. -0.000 min
 Lab File: VN065523.D
 Acq: 15 Jan 2021 15:33

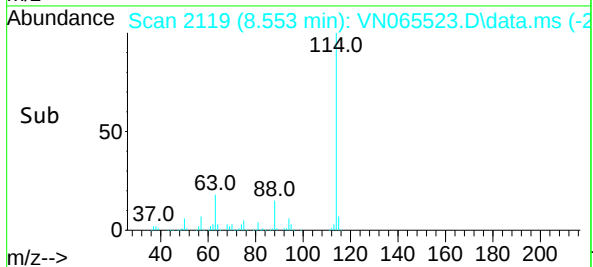
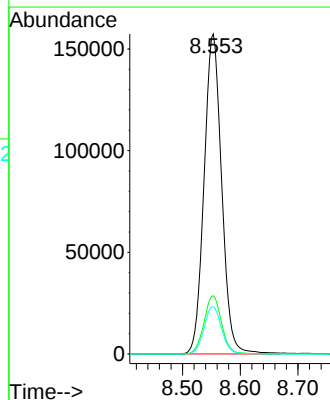
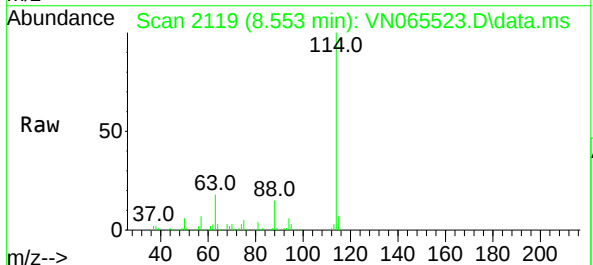
Instrument :
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 ClientSampled :
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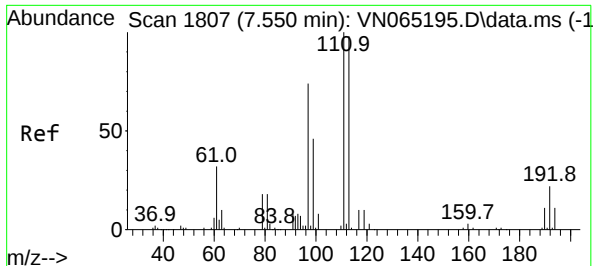
Tgt Ion: 65 Resp: 108320
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.553 min Scan# 2119
 Delta R.T. 0.003 min
 Lab File: VN065523.D
 Acq: 15 Jan 2021 15:33

Tgt Ion: 114 Resp: 333226
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 38.6
 88 14.7 0.0 32.6

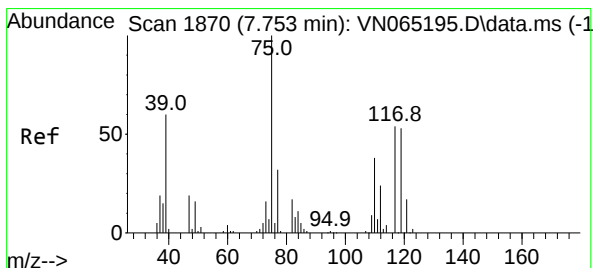
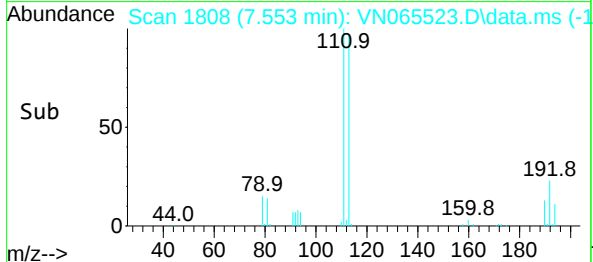
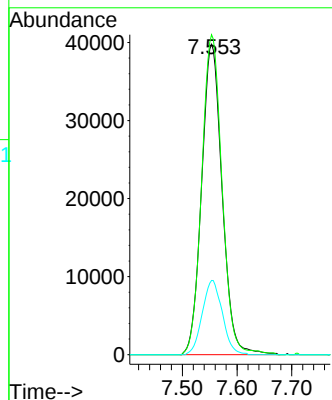
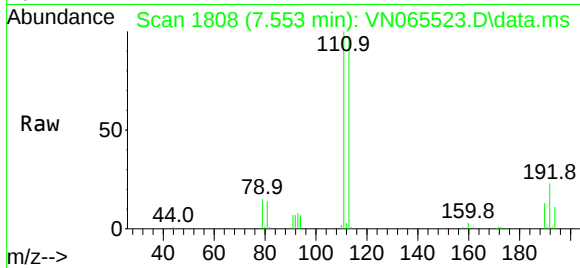




#35
Dibromofluoromethane
Concen: 51.45 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

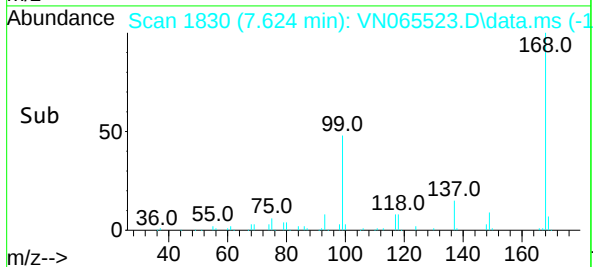
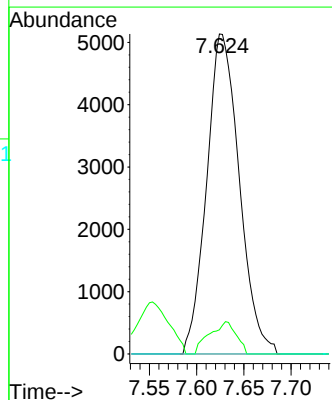
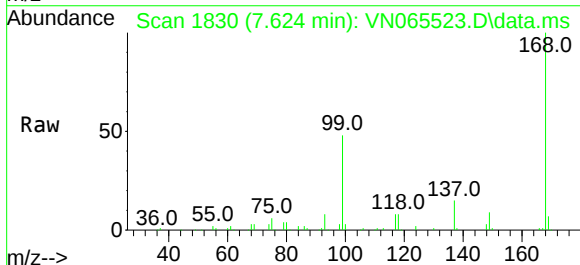
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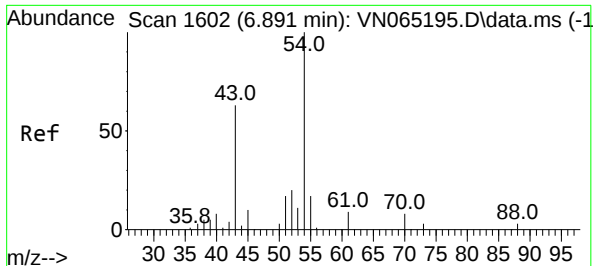
Tgt Ion:113 Resp: 103431
Ion Ratio Lower Upper
113 100
111 102.2 81.6 122.4
192 23.4 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.07 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.129 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

Tgt Ion: 75 Resp: 12339
Ion Ratio Lower Upper
75 100
110 8.2 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.21 ug/l

RT: 6.804 min Scan# 1575

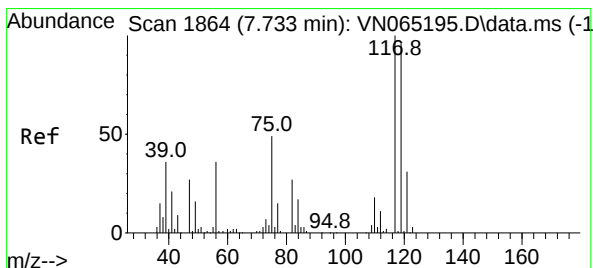
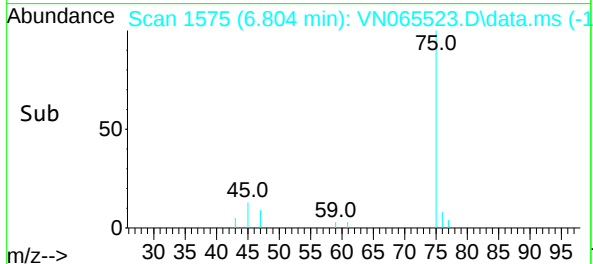
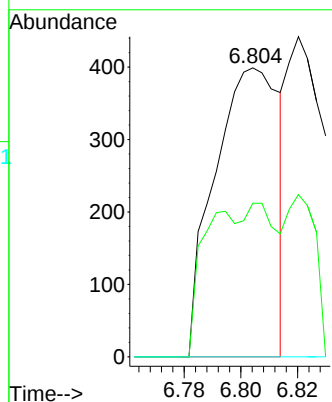
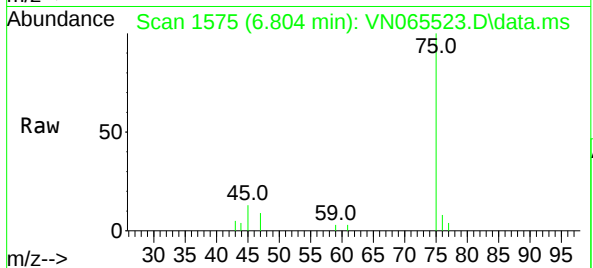
Delta R.T. -0.087 min

Lab File: VN065523.D

Acq: 15 Jan 2021 15:33

Instrument :
MSVOA_N
ClientSampled :
30936

Tgt Ion: 43	Resp: 625
Ion Ratio	Lower Upper
43 100	
61 28.2	12.8 19.2#
70 0.0	8.8 13.2#



#38

Carbon Tetrachloride

Concen: 4.94 ug/l

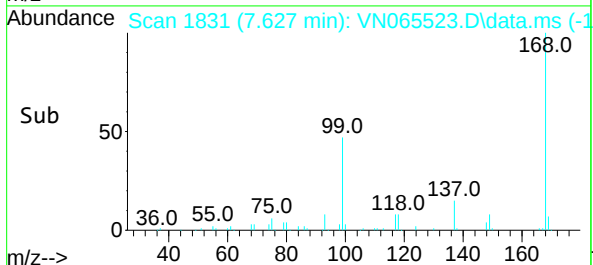
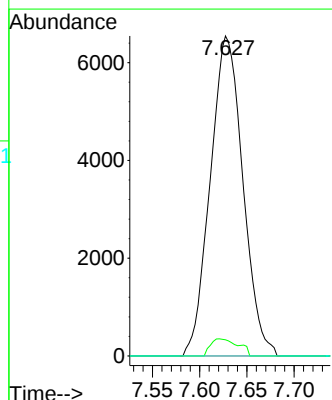
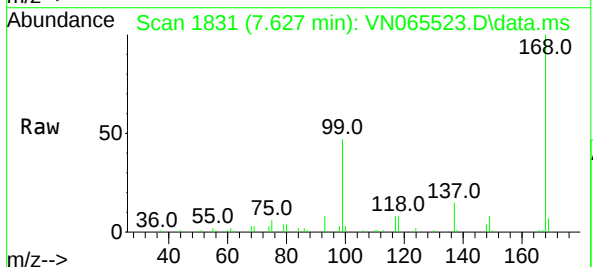
RT: 7.627 min Scan# 1831

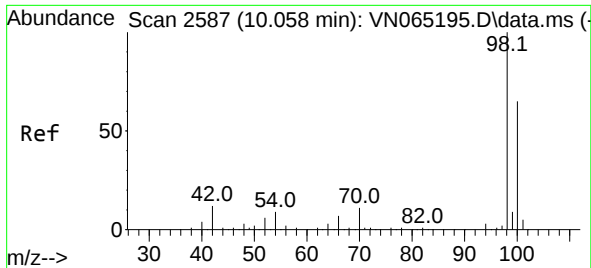
Delta R.T. -0.106 min

Lab File: VN065523.D

Acq: 15 Jan 2021 15:33

Tgt Ion:117	Resp:	15709	
Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.7	115.1#
121	0.0	25.4	38.2#

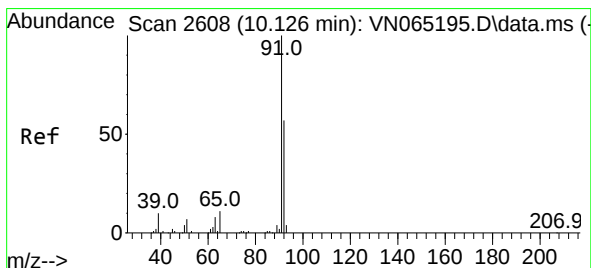
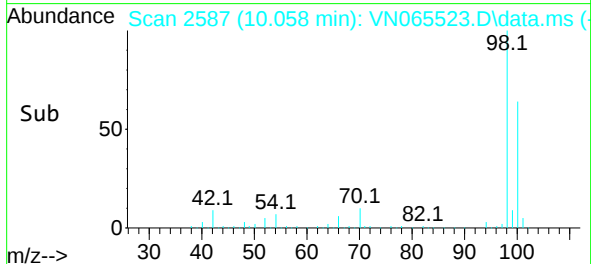
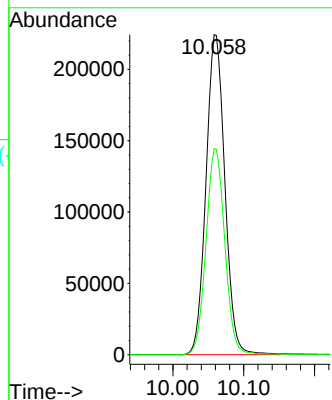
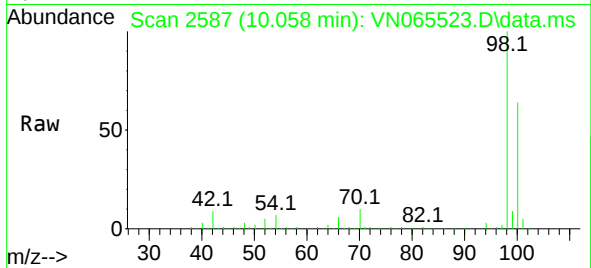




#50
Toluene-d8
Concen: 54.96 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

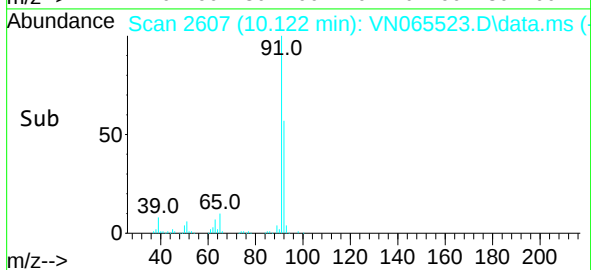
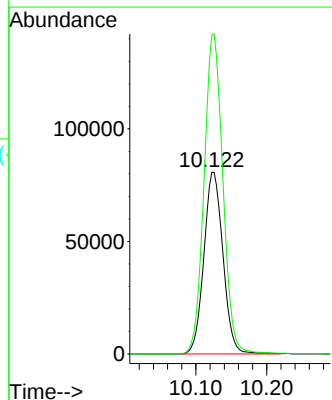
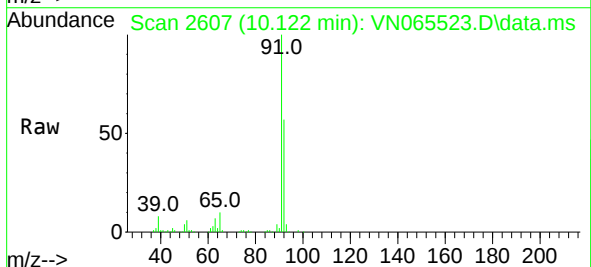
Instrument :
MSVOA_N
ClientSampled :
30936

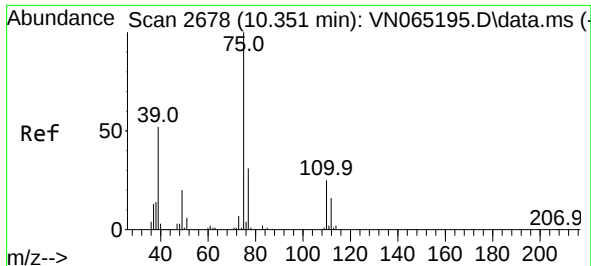
Tgt Ion: 98 Resp: 414115
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



#52
Toluene
Concen: 26.59 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. -0.004 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

Tgt Ion: 92 Resp: 151062
Ion Ratio Lower Upper
92 100
91 174.4 139.1 208.7

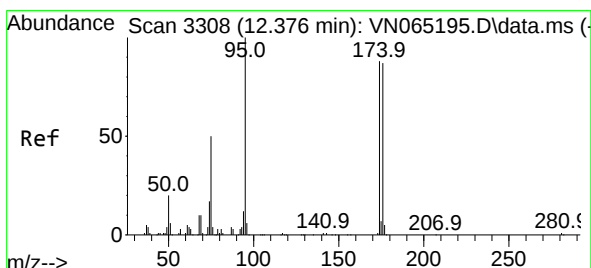
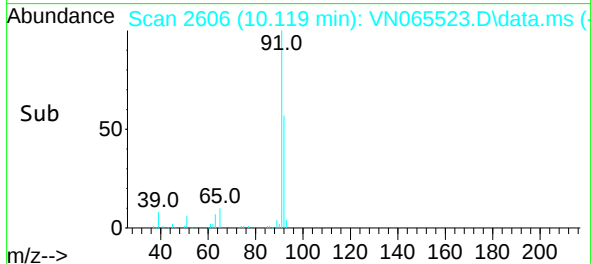
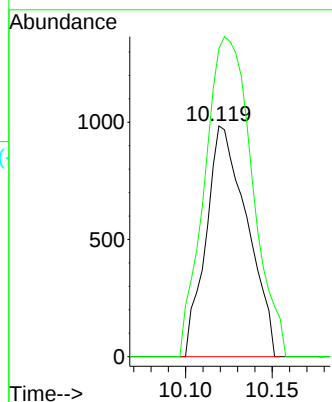
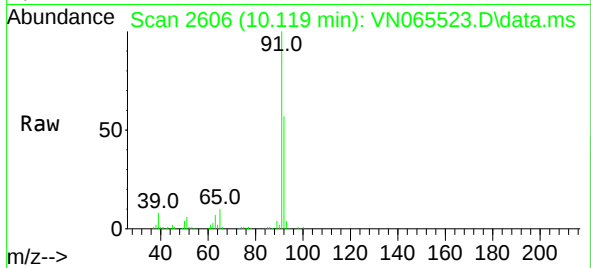




#53
t-1,3-Dichloropropene
Concen: 0.43 ug/l
RT: 10.119 min Scan# 2606
Delta R.T. -0.232 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

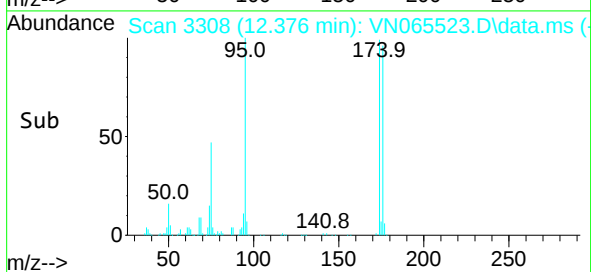
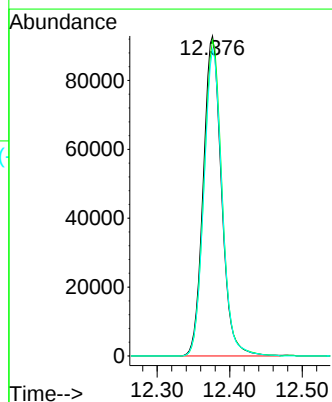
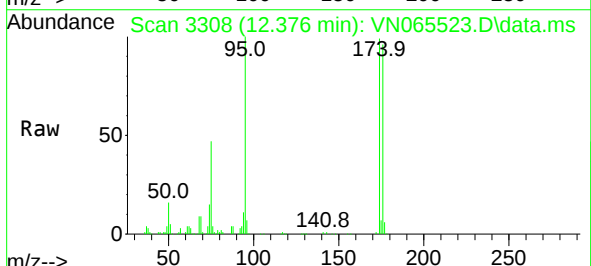
Instrument :
MSVOA_N
ClientSampled :
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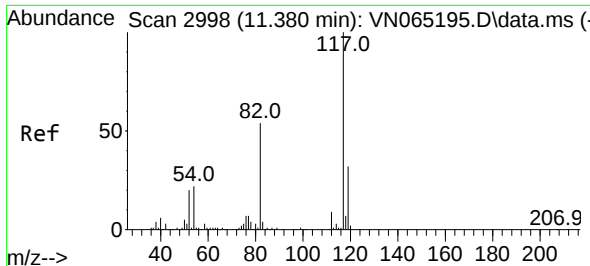
Tgt Ion: 75 Resp: 1619
Ion Ratio Lower Upper
75 100
77 133.6 25.8 38.6#



#62
4-Bromofluorobenzene
Concen: 53.89 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

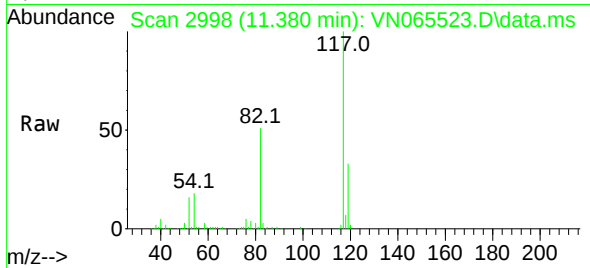
Tgt Ion: 95 Resp: 161910
Ion Ratio Lower Upper
95 100
174 98.3 0.0 160.4
176 95.6 0.0 158.4



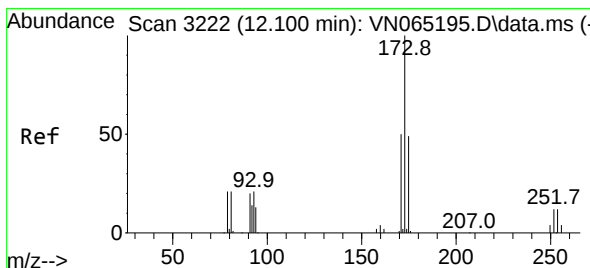
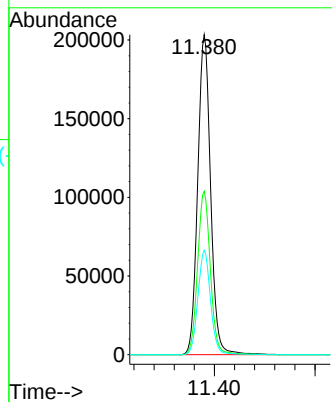
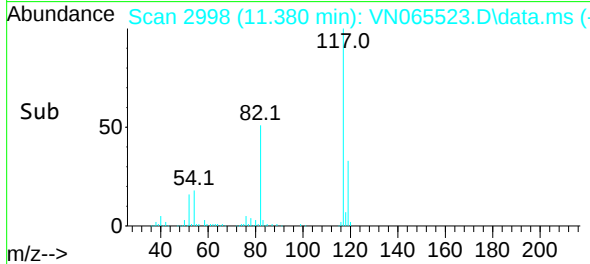


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

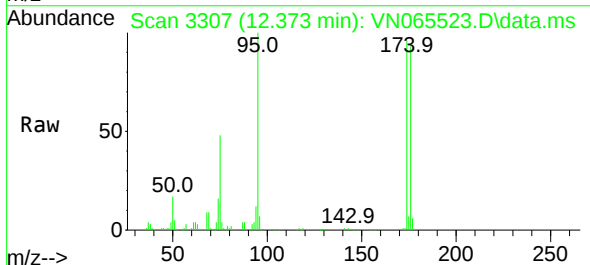
Instrument :
MSVOA_N
ClientSampled :
30936



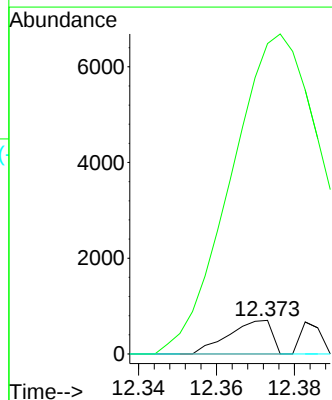
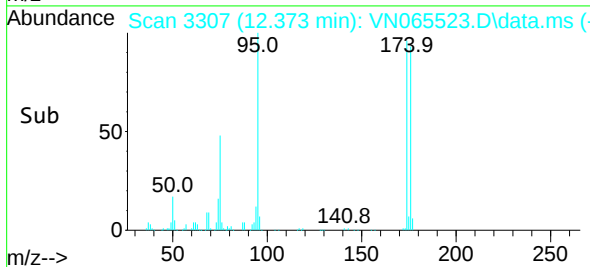
Tgt Ion:117 Resp: 361671
Ion Ratio Lower Upper
117 100
82 51.0 44.2 66.2
119 32.6 25.8 38.6

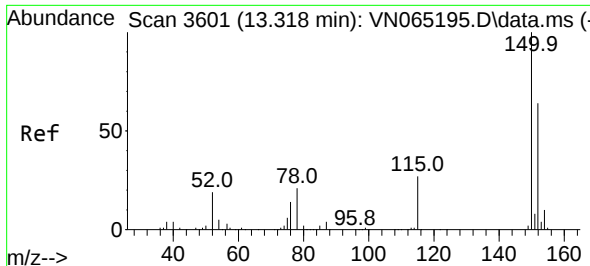


#71
Bromoform
Concen: 0.22 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.273 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33



Tgt Ion:173 Resp: 540
Ion Ratio Lower Upper
173 100
175 1764.1 24.3 72.8#
254 0.0 0.0 0.0

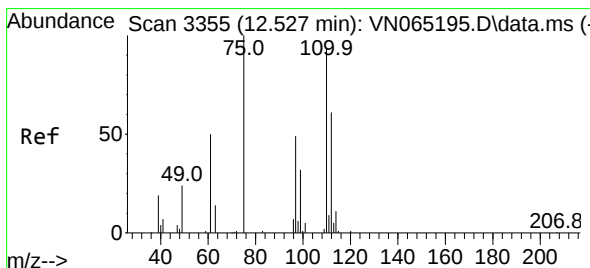
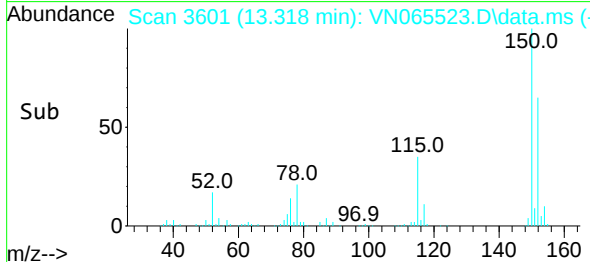
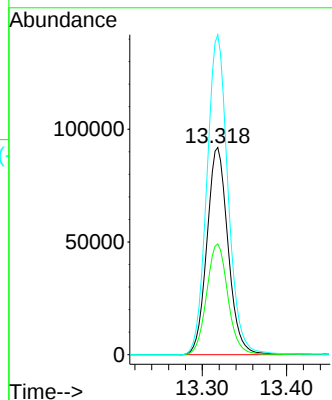
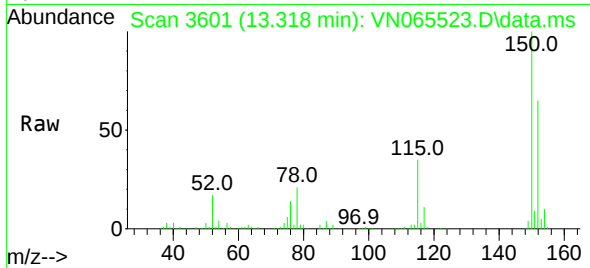




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

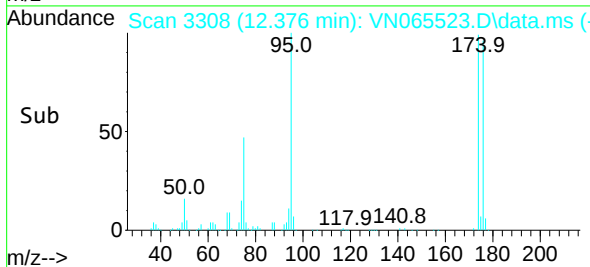
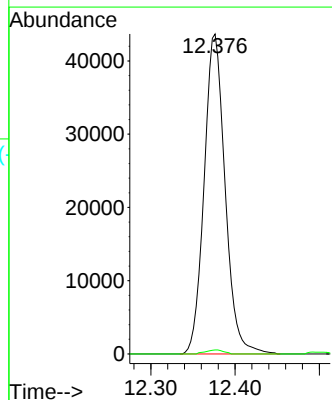
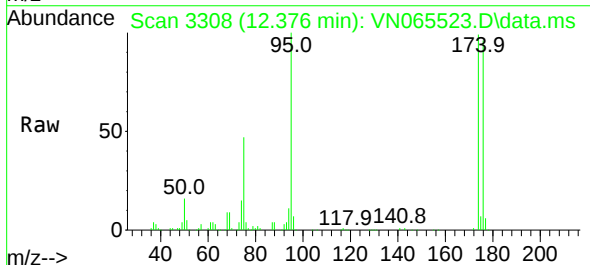
Instrument :
MSVOA_N
ClientSampled :
30936

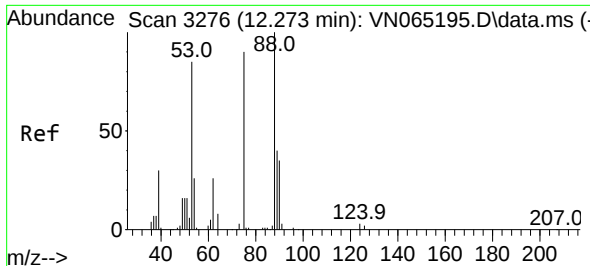
Tgt Ion:152 Resp: 160608
Ion Ratio Lower Upper
152 100
115 53.8 29.7 89.1
150 155.0 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 23.14 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

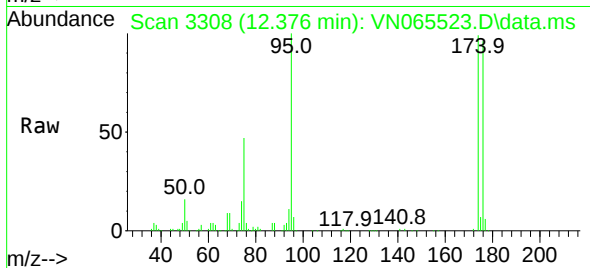
Tgt Ion: 75 Resp: 75822
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



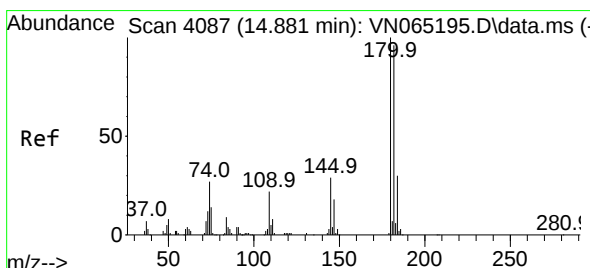
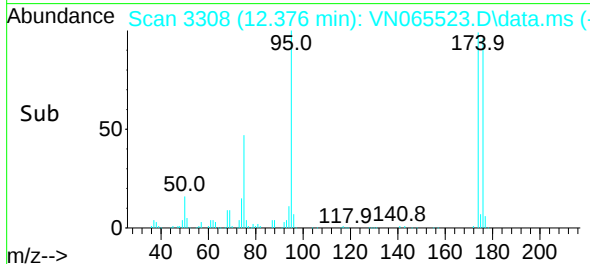
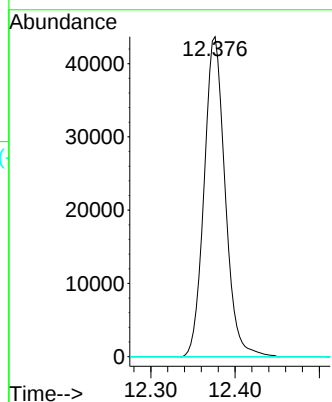


#81
trans-1,4-Dichloro-2-butene
Concen: 58.35 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

Instrument :
MSVOA_N
ClientSampled :
30936

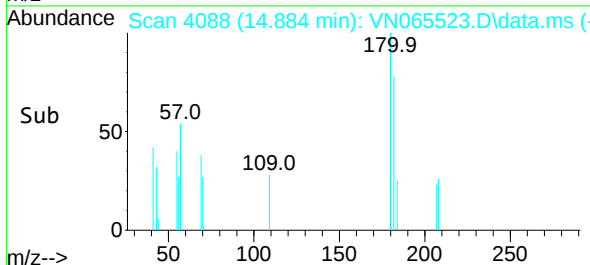
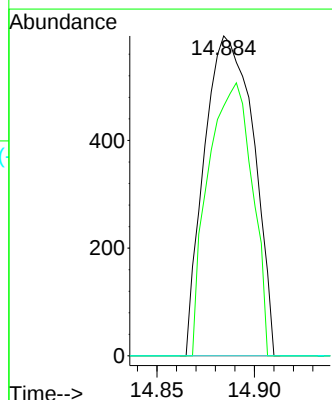
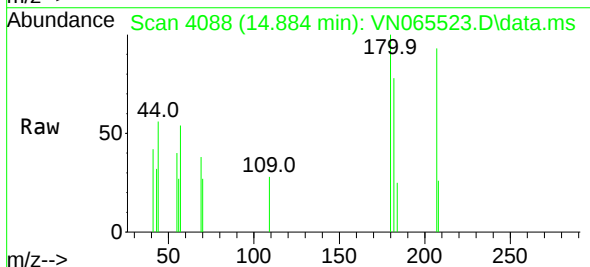


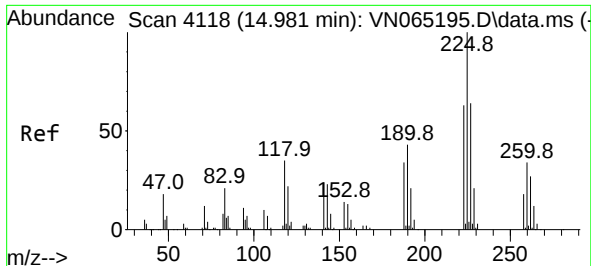
Tgt Ion: 75 Resp: 75822
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.14 ug/l
RT: 14.884 min Scan# 4088
Delta R.T. 0.003 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

Tgt Ion: 180 Resp: 1042
Ion Ratio Lower Upper
180 100
182 76.3 47.6 142.9
145 0.0 15.3 45.8#

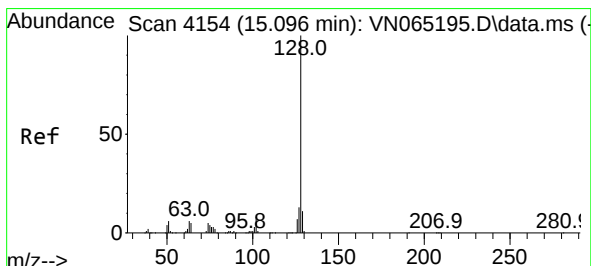
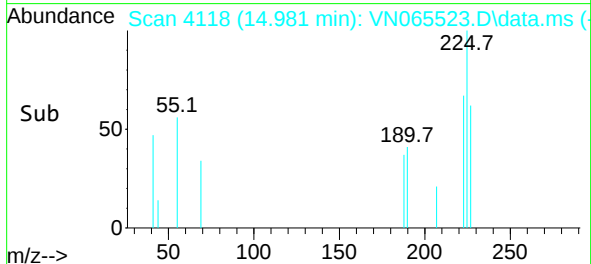
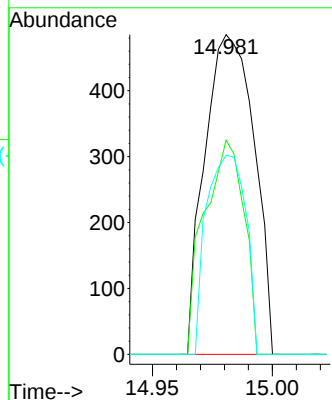
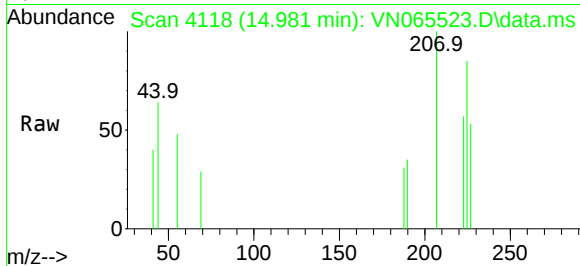




#94
Hexachlorobutadiene
Concen: 0.34 ug/l
RT: 14.981 min Scan# 4118
Delta R.T. -0.000 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

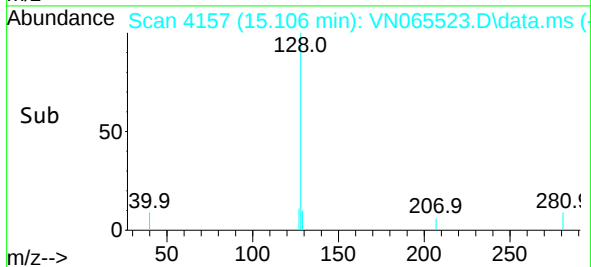
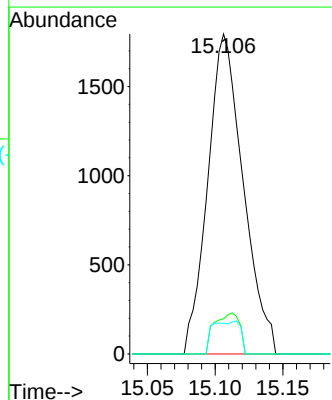
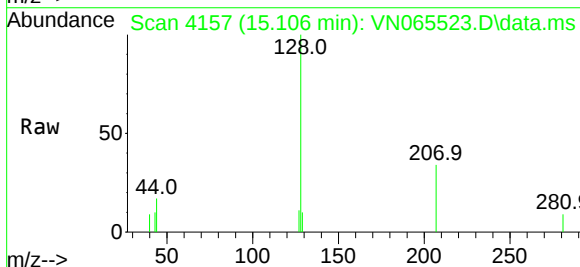
Instrument :
MSVOA_N
ClientSampleId :
30936

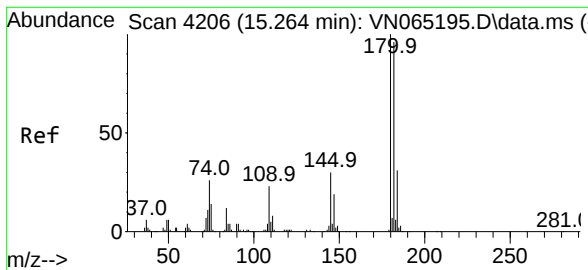
Tgt Ion:225 Resp: 693
Ion Ratio Lower Upper
225 100
223 53.8 31.0 93.0
227 49.6 32.0 96.0



#95
Naphthalene
Concen: 3.74 ug/l
RT: 15.106 min Scan# 4157
Delta R.T. 0.010 min
Lab File: VN065523.D
Acq: 15 Jan 2021 15:33

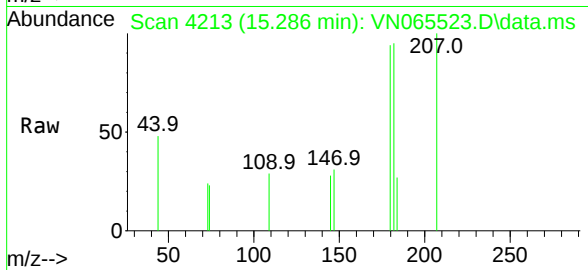
Tgt Ion:128 Resp: 3262
Ion Ratio Lower Upper
128 100
127 9.1 10.3 15.5#
129 8.1 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.56 ug/l
 RT: 15.286 min Scan# 4213
 Delta R.T. 0.022 min
 Lab File: VN065523.D
 Acq: 15 Jan 2021 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 30936



Tgt Ion:	180	Resp:	1056
Ion	Ratio	Lower	Upper
180	100		
182	110.7	48.1	144.4
145	25.2	16.4	49.1

