

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011121\
 Data File : VN065477.D
 Acq On : 11 Jan 2021 18:58
 Operator : JC/MD
 Sample : M1044-15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 12 00:11:20 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)

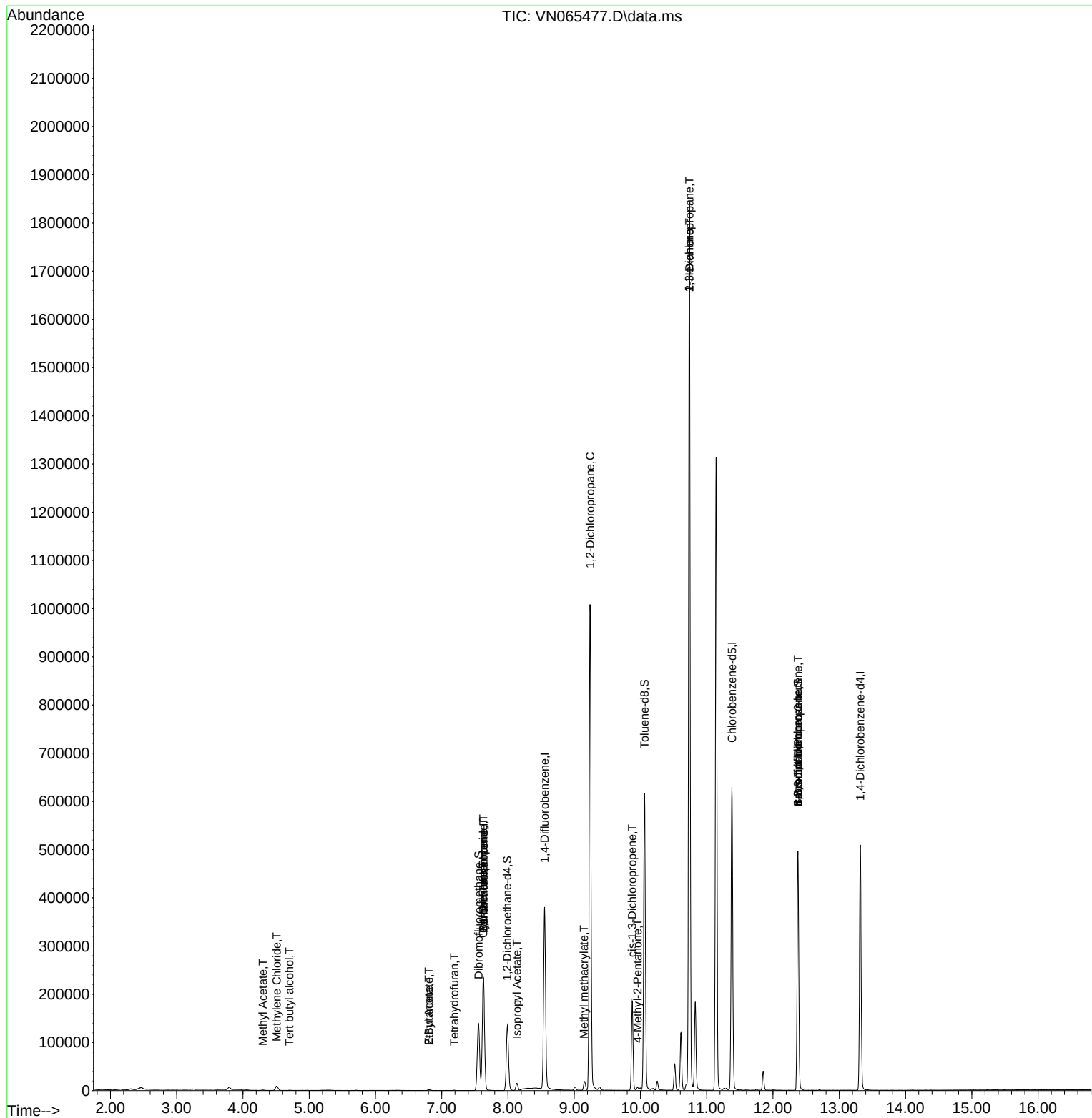
Internal Standards						
1) Pentafluorobenzene	7.630	168	217670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	363303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	390299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	153841	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	119332	48.56	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.12%		
35) Dibromofluoromethane	7.556	113	109585	50.00	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.00%		
50) Toluene-d8	10.061	98	450250	54.81	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	109.62%		
62) 4-Bromofluorobenzene	12.376	95	171311	52.45	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	104.90%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.701	59	95	0.24	ug/l #	73
16) Acetone	3.791	43	7254	Below Cal	#	84
18) Methyl Acetate	4.303	43	2019	0.92	ug/l #	65
20) Methylene Chloride	4.512	84	7574	3.16	ug/l	92
25) 2-Butanone	6.804	43	801	0.58	ug/l #	49
29) Tetrahydrofuran	7.190	42	616	0.69	ug/l #	45
31) Cyclohexane	7.624	56	3458	0.95	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	13440	4.07	ug/l #	48
37) Ethyl Acetate	6.804	43	801	0.24	ug/l #	66
38) Carbon Tetrachloride	7.627	117	17398	5.01	ug/l #	17
43) Isopropyl Acetate	8.135	43	18017	3.19	ug/l	96
45) 1,2-Dichloropropane	9.241	63	1137	0.45	ug/l #	43
48) Methyl methacrylate	9.148	41	4467	1.63	ug/l #	12
51) 4-Methyl-2-Pentanone	9.955	43	4253	1.34	ug/l	98
54) cis-1,3-Dichloropropene	9.875	75	34572	7.89	ug/l #	61
57) 1,3-Dichloropropane	10.736	76	19813	4.90	ug/l #	42
59) 2-Hexanone	10.736	43	260886	111.85	ug/l #	49
71) Bromoform	12.376	173	743	0.28	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	81590	26.00	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	81590	65.55	ug/l #	15

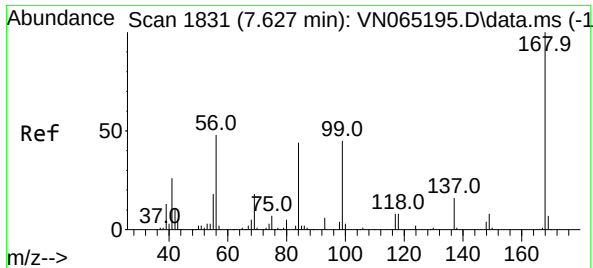
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 22 15:42:18 2020
Response via : Initial Calibration

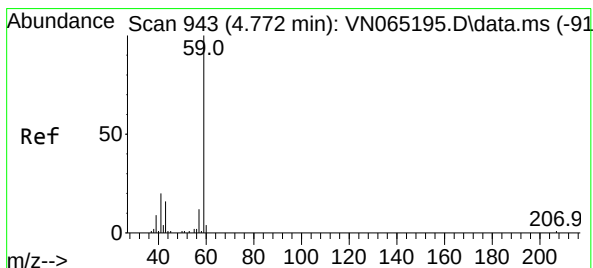
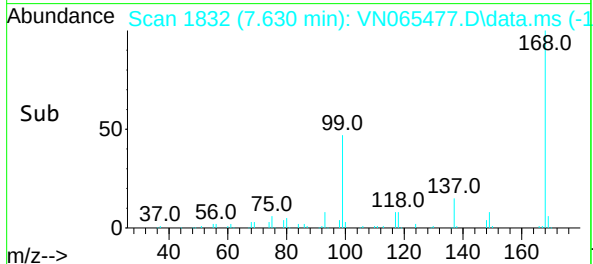
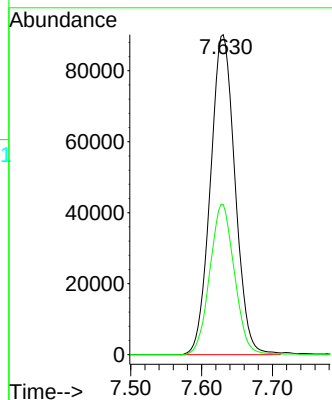
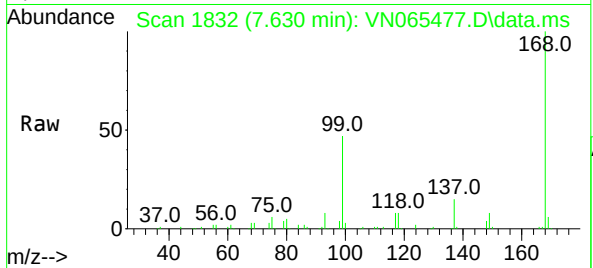




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

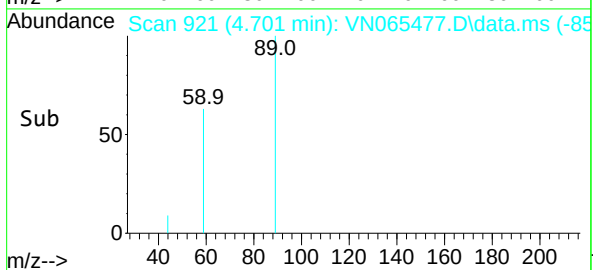
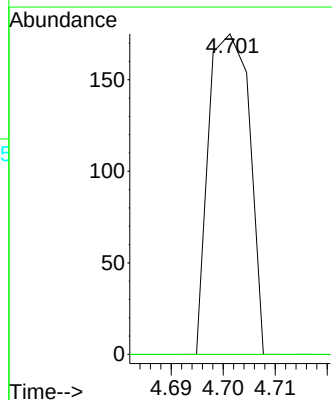
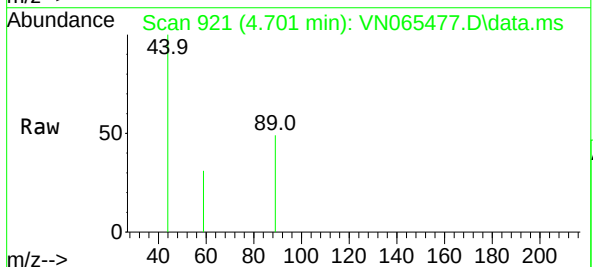
Instrument :
MSVOA_N
ClientSampled :

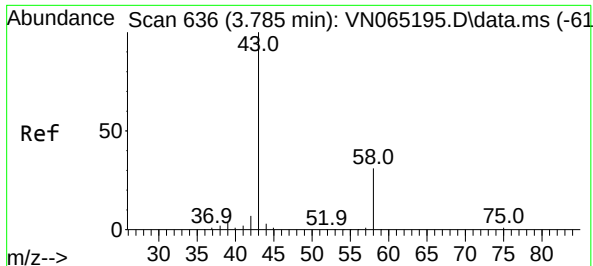
Tgt Ion:168 Resp: 217670
Ion Ratio Lower Upper
168 100
99 46.9 43.0 64.4



#11
Tert butyl alcohol
Concen: 0.24 ug/l
RT: 4.701 min Scan# 921
Delta R.T. -0.071 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

Tgt Ion: 59 Resp: 95
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

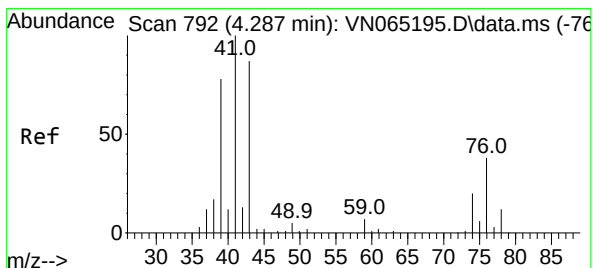
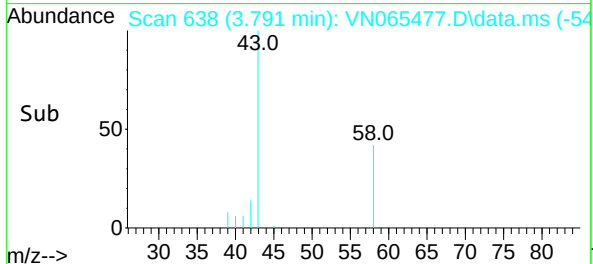
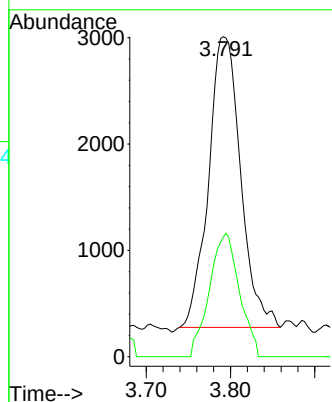
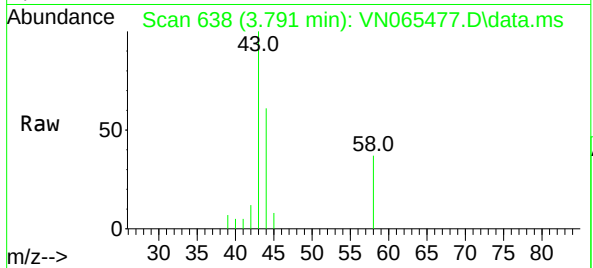




#16
Acetone
Concen: Below Cal
RT: 3.791 min Scan# 638
Delta R.T. 0.006 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

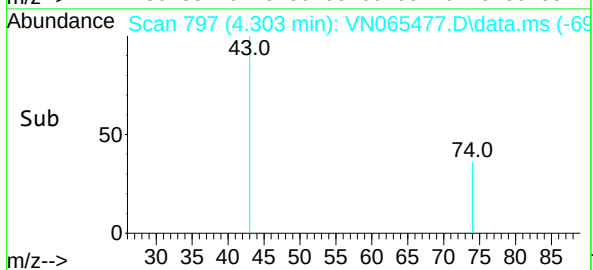
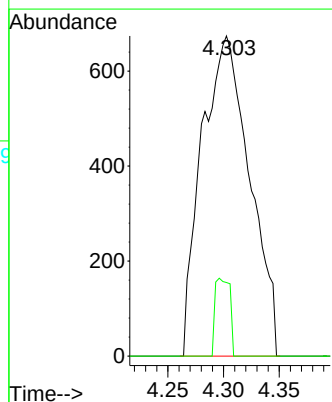
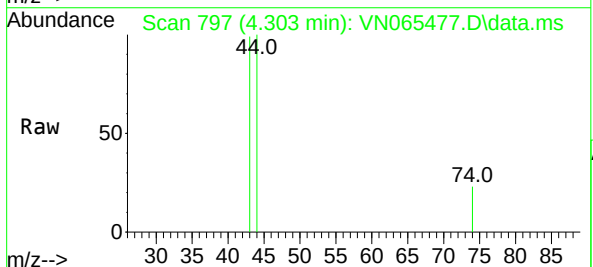
Instrument :
MSVOA_N
ClientSampled :

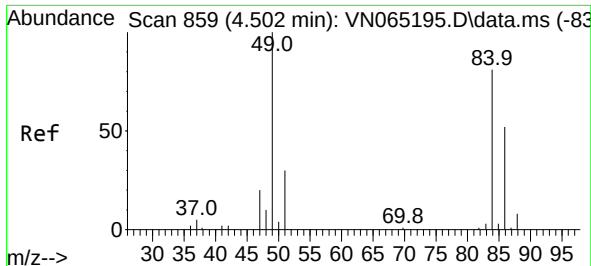
Tgt Ion: 43 Resp: 7254
Ion Ratio Lower Upper
43 100
58 41.1 25.7 38.5#



#18
Methyl Acetate
Concen: 0.92 ug/l
RT: 4.303 min Scan# 797
Delta R.T. 0.016 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

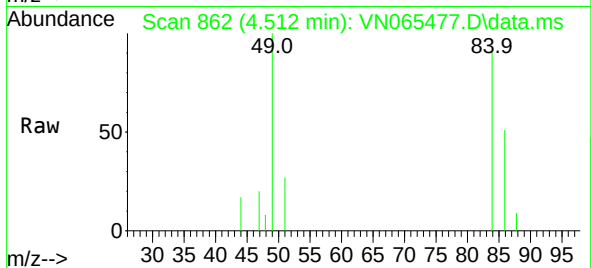
Tgt Ion: 43 Resp: 2019
Ion Ratio Lower Upper
43 100
74 7.5 20.2 30.2#



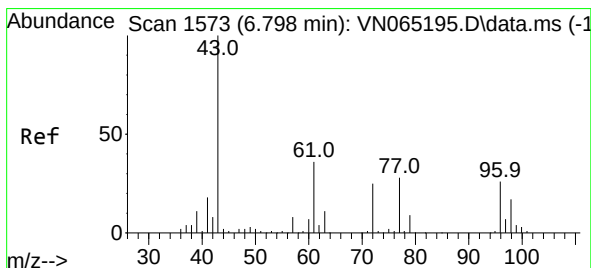
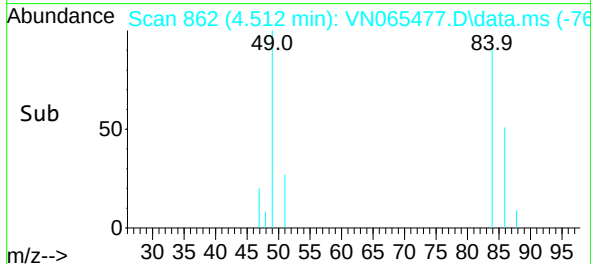
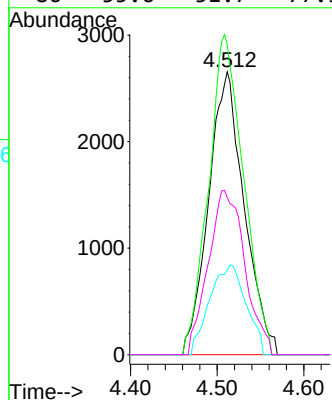


#20
Methylene Chloride
Concen: 3.16 ug/l
RT: 4.512 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

Instrument :
MSVOA_N
ClientSampled :

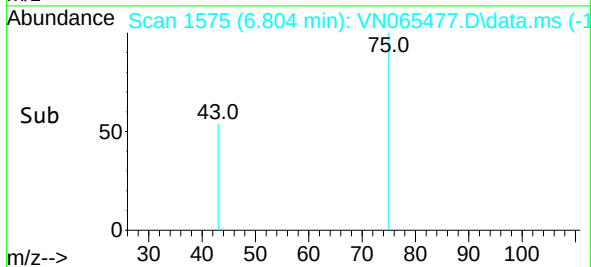
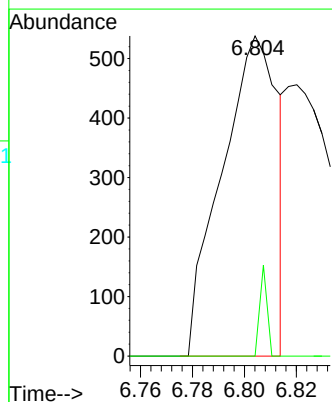
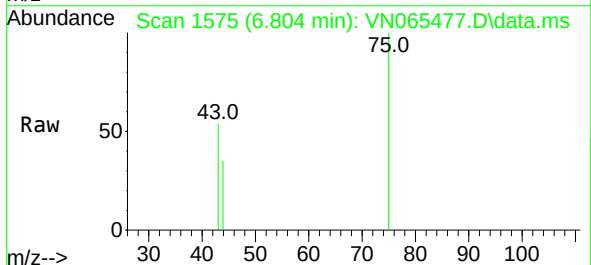


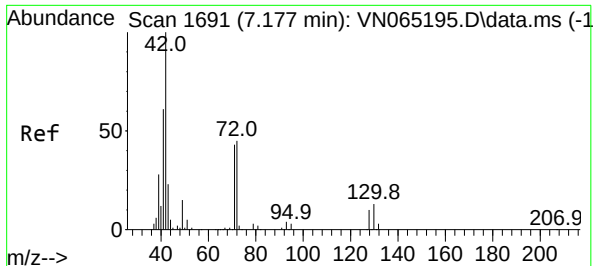
Tgt Ion: 84	Resp: 7574
Ion Ratio	Lower Upper
84 100	
49 109.5	93.4 140.0
51 29.9	28.2 42.4
86 55.6	51.7 77.5



#25
2-Butanone
Concen: 0.58 ug/l
RT: 6.804 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

Tgt Ion: 43	Resp: 801		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	21.0	31.6#	





#29

Tetrahydrofuran

Concen: 0.69 ug/l

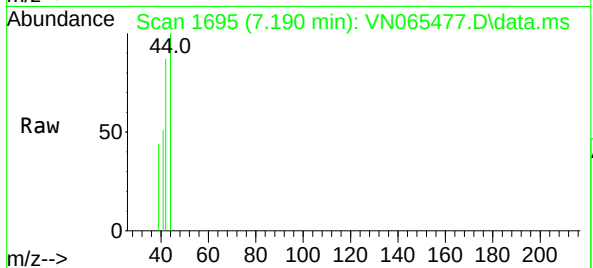
RT: 7.190 min Scan# 1695

Delta R.T. 0.013 min

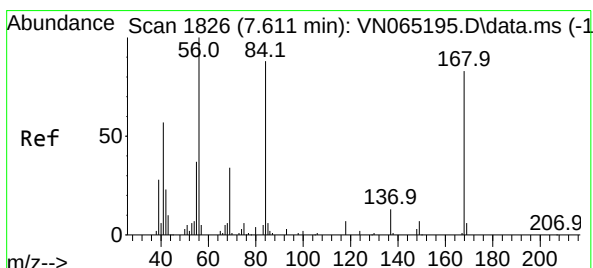
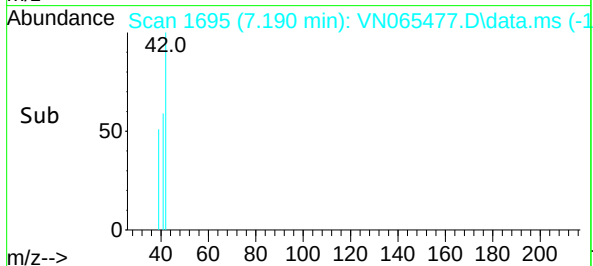
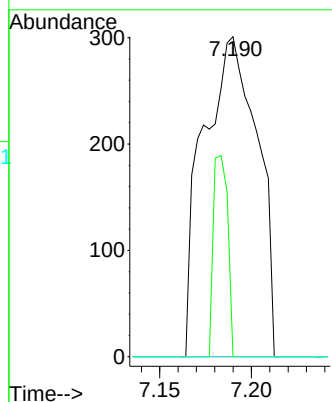
Lab File: VN065477.D

Acq: 11 Jan 2021 18:58

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	42	Resp:	616
Ion Ratio	Lower	Upper	
42	100		
72	16.6	36.6	54.8#
71	0.0	33.6	50.4#



#31

Cyclohexane

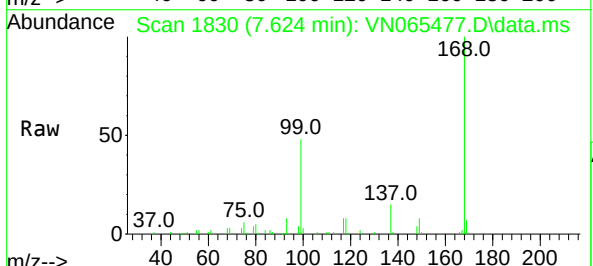
Concen: 0.95 ug/l

RT: 7.624 min Scan# 1830

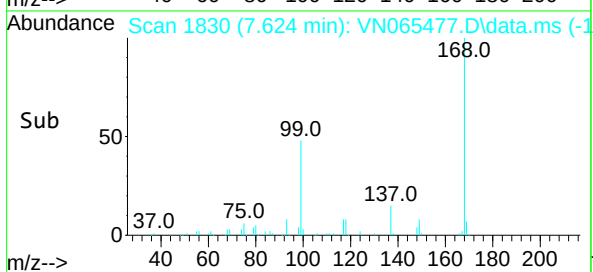
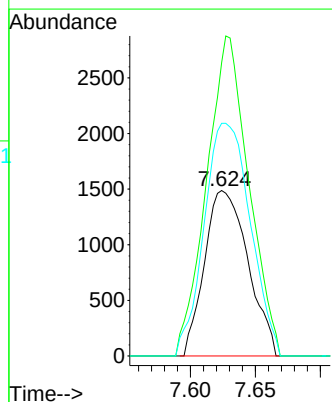
Delta R.T. 0.013 min

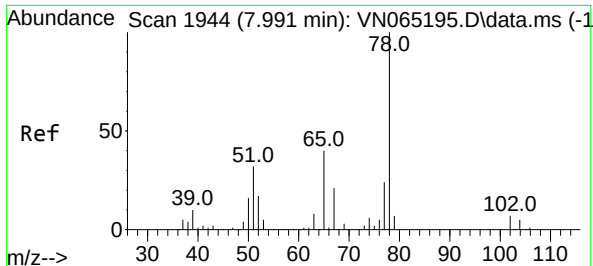
Lab File: VN065477.D

Acq: 11 Jan 2021 18:58



Tgt Ion:	56	Resp:	3458
Ion Ratio	Lower	Upper	
56	100		
69	177.3	27.5	41.3#
84	140.7	73.9	110.9#

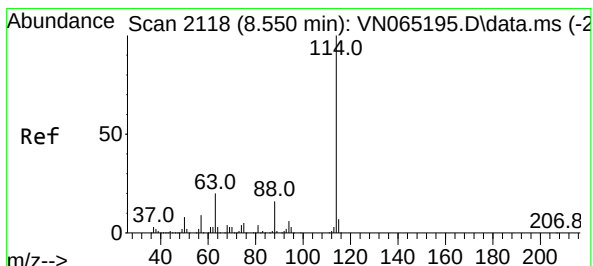
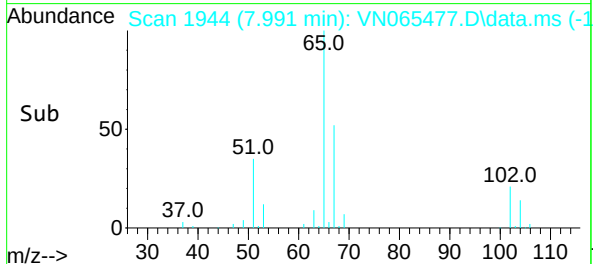
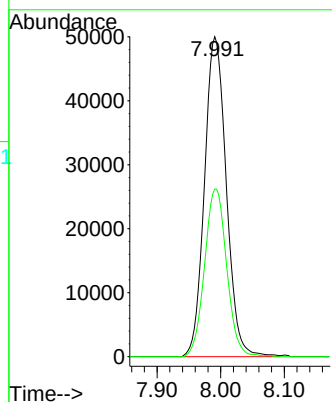
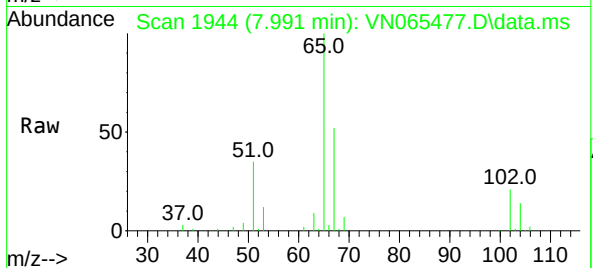




#33
1,2-Dichloroethane-d4
Concen: 48.56 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

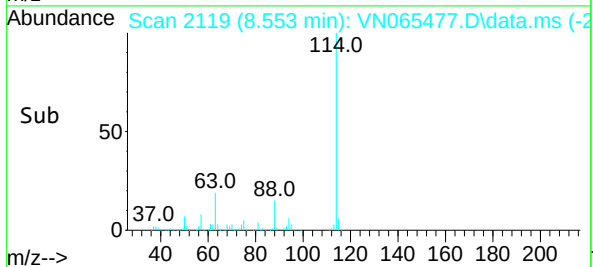
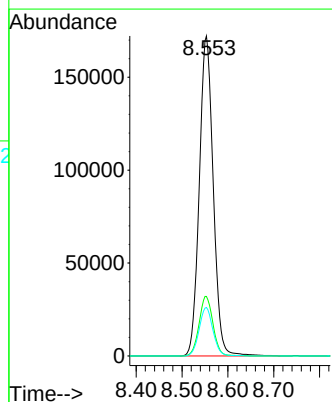
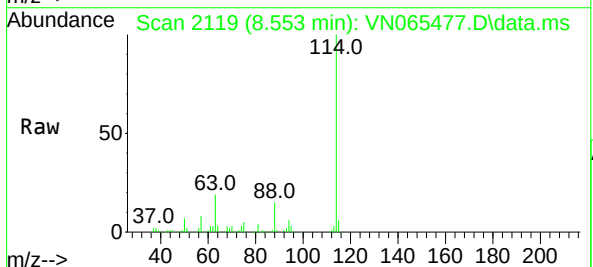
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MSVOA_N
ClientSampleId :

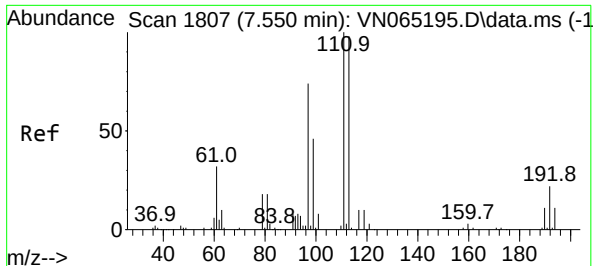
Tgt Ion: 65 Resp: 119332
Ion Ratio Lower Upper
65 100
67 53.0 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

Tgt Ion: 114 Resp: 363303
Ion Ratio Lower Upper
114 100
63 18.6 0.0 38.6
88 15.1 0.0 32.6

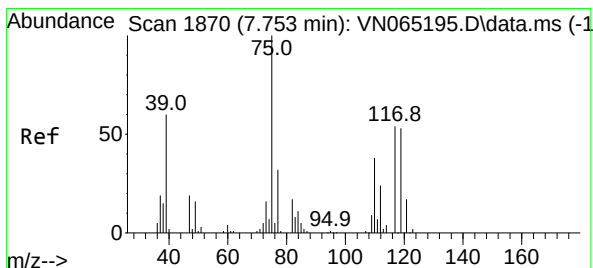
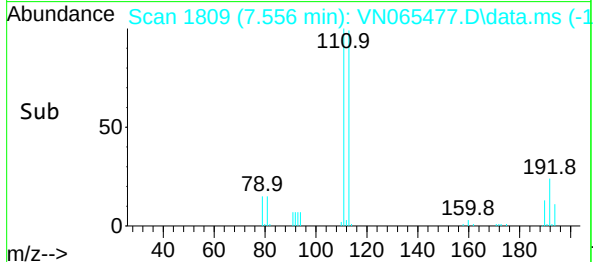
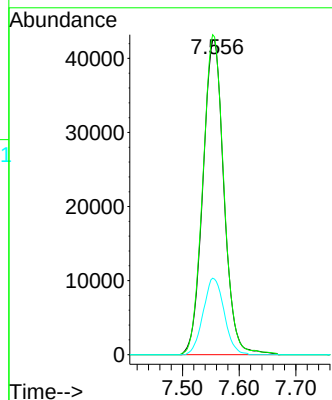
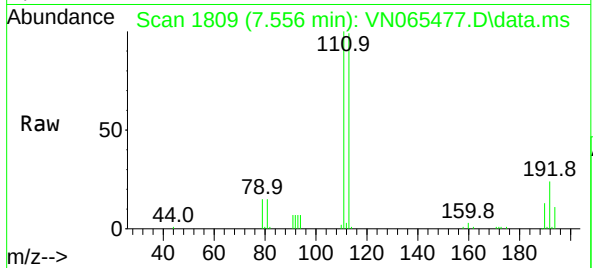




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 7.556 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

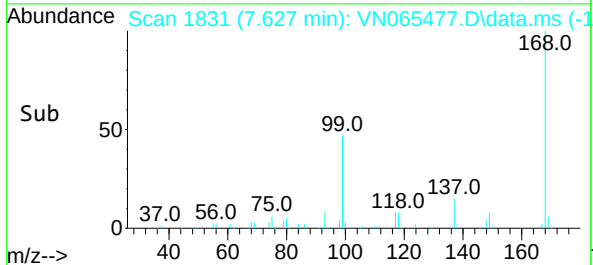
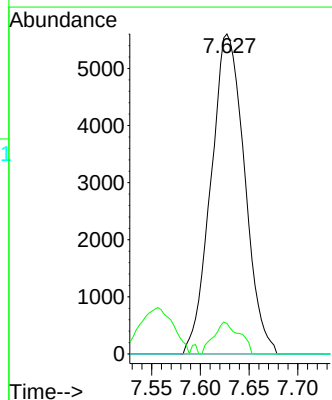
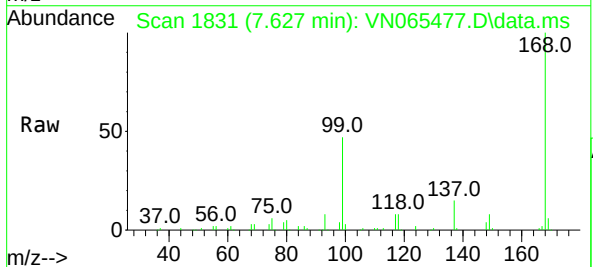
Instrument :
MSVOA_N
ClientSampled :

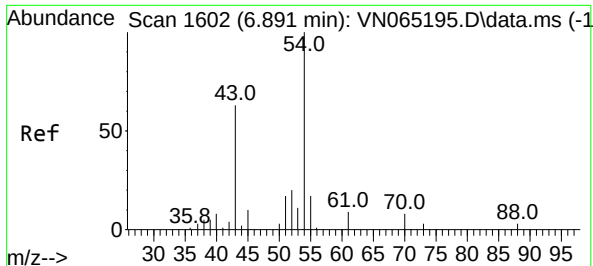
Tgt Ion:113 Resp: 109585
Ion Ratio Lower Upper
113 100
111 101.5 81.6 122.4
192 24.2 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.07 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

Tgt Ion: 75 Resp: 13440
Ion Ratio Lower Upper
75 100
110 7.6 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.24 ug/l

RT: 6.804 min Scan# 1575

Delta R.T. -0.087 min

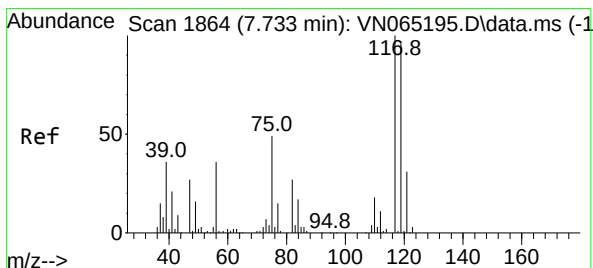
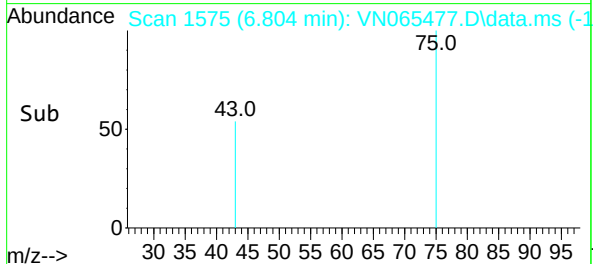
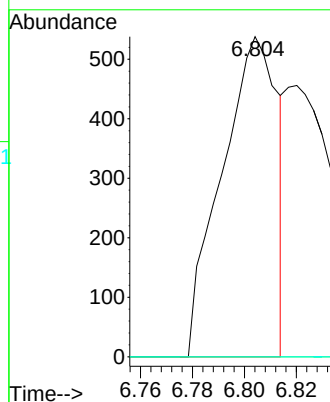
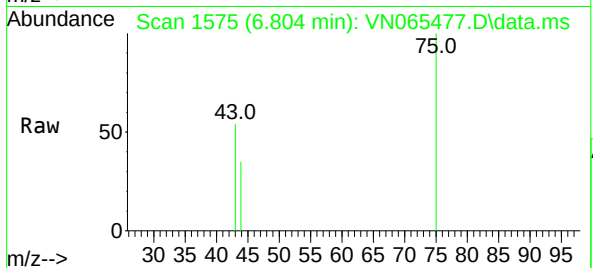
Lab File: VN065477.D

Acq: 11 Jan 2021 18:58

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 801

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



#38

Carbon Tetrachloride

Concen: 5.01 ug/l

RT: 7.627 min Scan# 1831

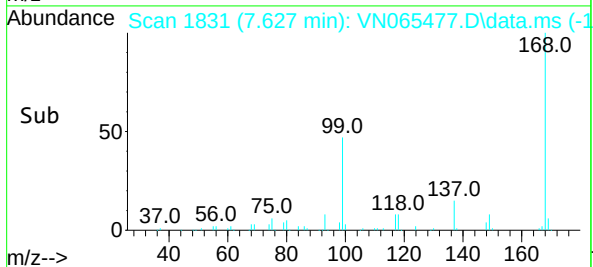
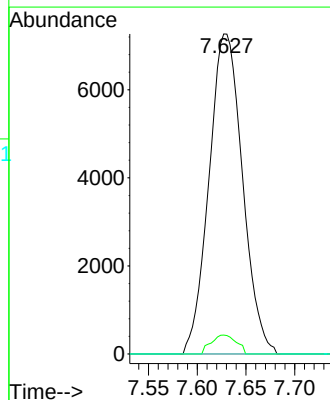
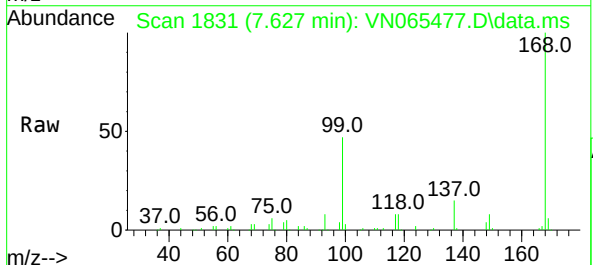
Delta R.T. -0.106 min

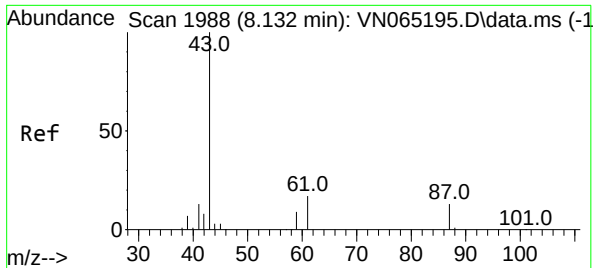
Lab File: VN065477.D

Acq: 11 Jan 2021 18:58

Tgt Ion: 117 Resp: 17398

Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.7	115.1#
121	0.0	25.4	38.2#

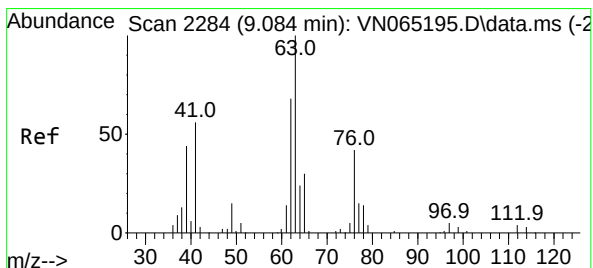
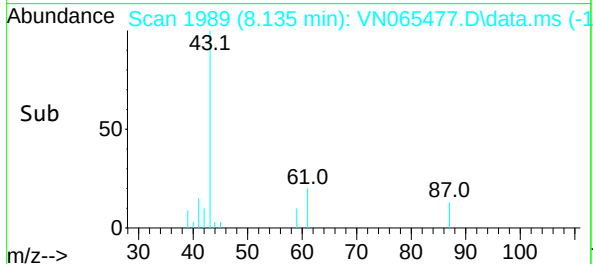
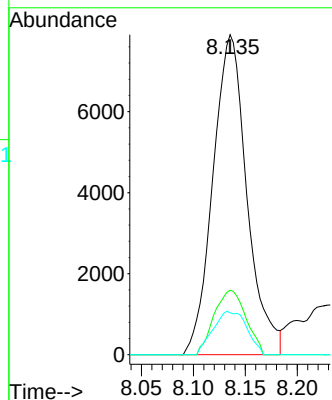
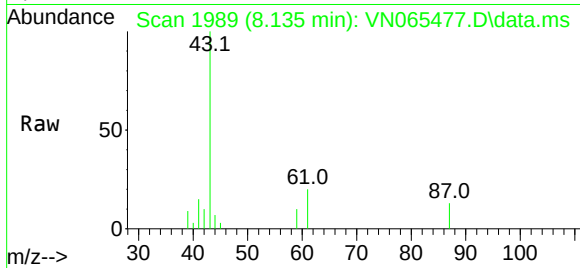




#43
Isopropyl Acetate
Concen: 3.19 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

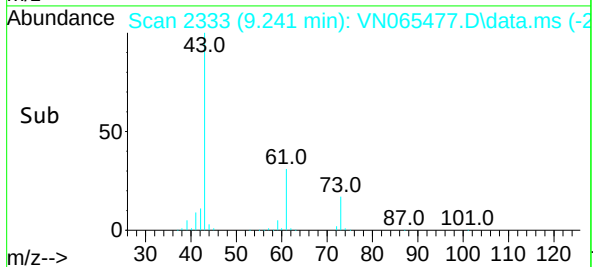
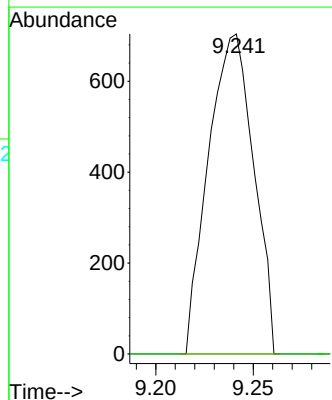
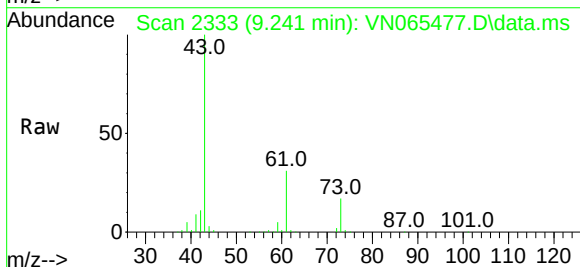
Instrument :
MSVOA_N
ClientSampled :

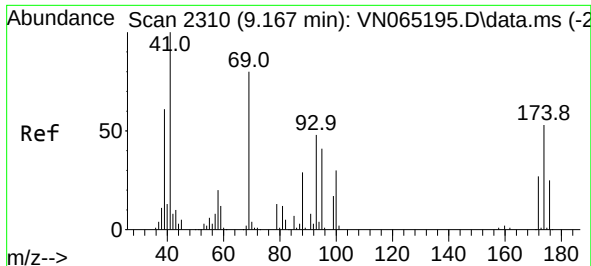
Tgt Ion: 43	Resp: 18017
Ion Ratio	Lower Upper
43	100
61	18.8 17.2 25.8
87	13.4 11.4 17.0



#45
1,2-Dichloropropane
Concen: 0.45 ug/l
RT: 9.241 min Scan# 2333
Delta R.T. 0.157 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

Tgt Ion: 63	Resp: 1137
Ion Ratio	Lower Upper
63	100
65	0.0 25.0 37.4#

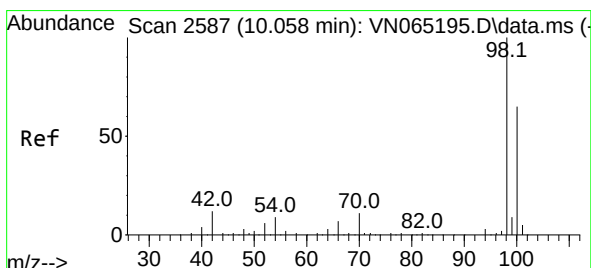
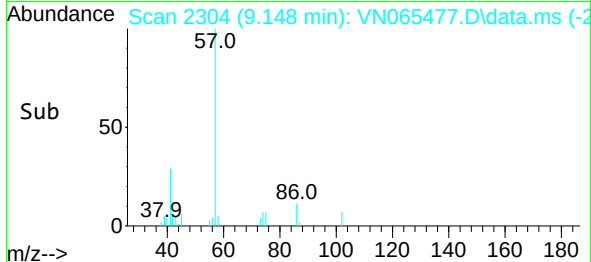
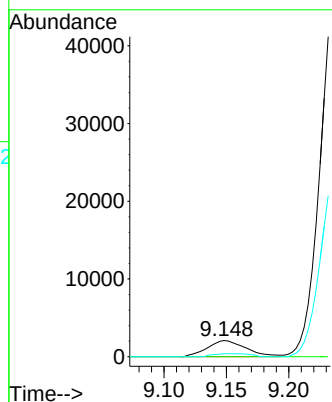
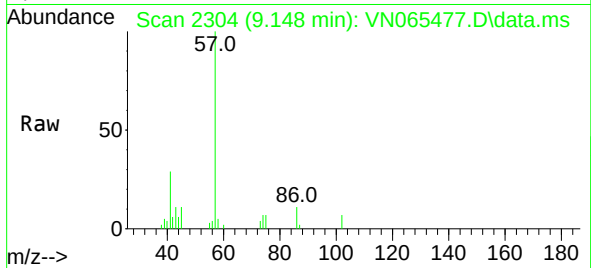




#48
Methyl methacrylate
Concen: 1.63 ug/l
RT: 9.148 min Scan# 2304
Delta R.T. -0.019 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

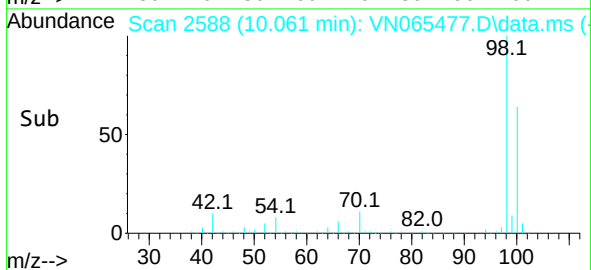
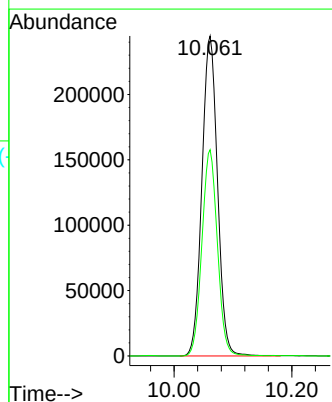
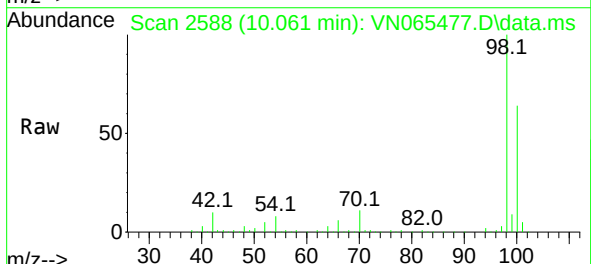
Instrument :
MSVOA_N
ClientSampled :

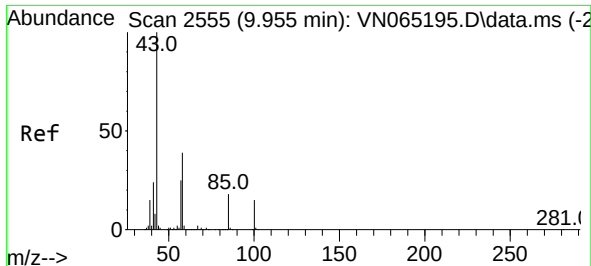
Tgt Ion: 41 Resp: 4467
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#



#50
Toluene-d8
Concen: 54.81 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

Tgt Ion: 98 Resp: 450250
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5

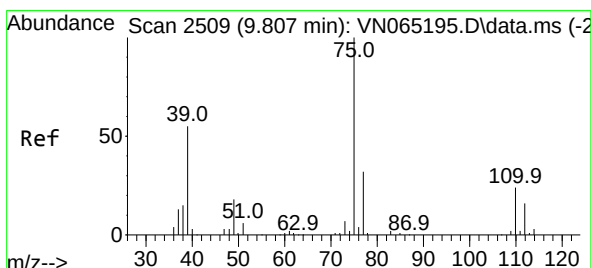
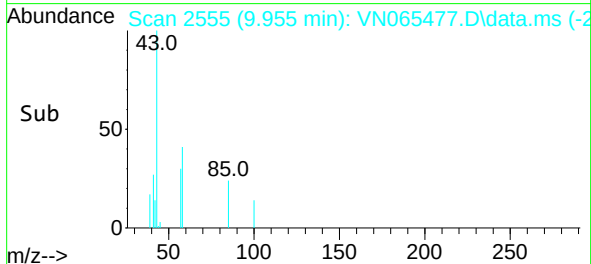
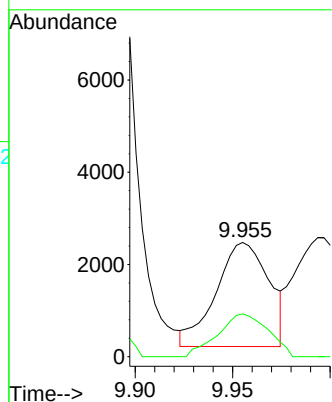
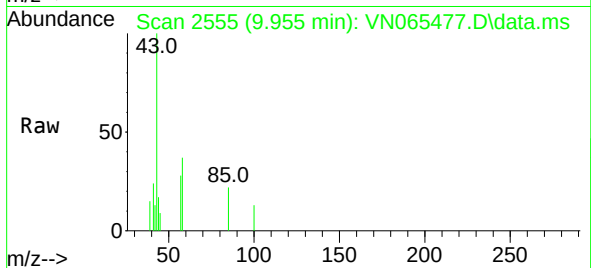




#51
4-Methyl-2-Pentanone
Concen: 1.34 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

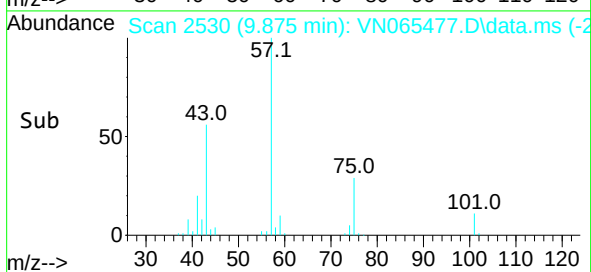
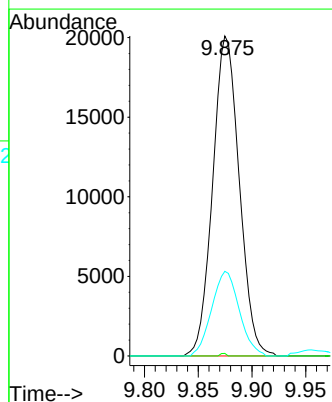
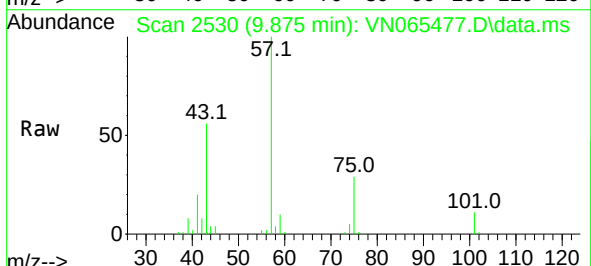
Instrument :
MSVOA_N
ClientSampled :

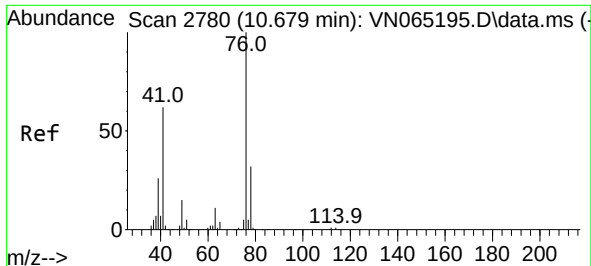
Tgt Ion: 43 Resp: 4253
Ion Ratio Lower Upper
43 100
58 39.1 32.4 48.6



#54
cis-1,3-Dichloropropene
Concen: 7.89 ug/l
RT: 9.875 min Scan# 2530
Delta R.T. 0.068 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

Tgt Ion: 75 Resp: 34572
Ion Ratio Lower Upper
75 100
77 0.8 25.5 38.3#
39 26.5 35.6 53.4#

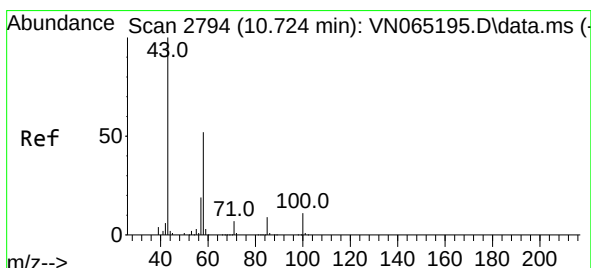
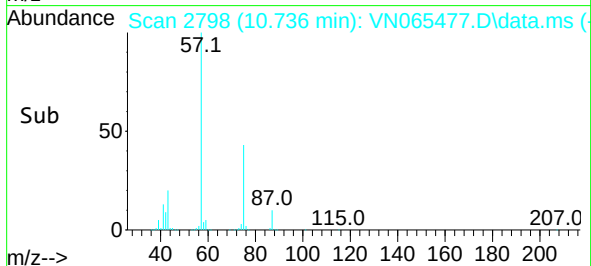
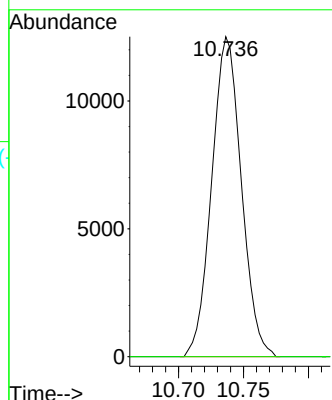
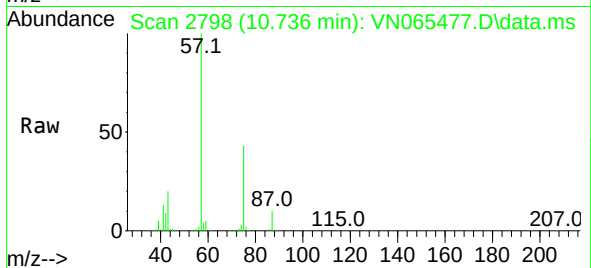




#57
1,3-Dichloropropane
Concen: 4.90 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

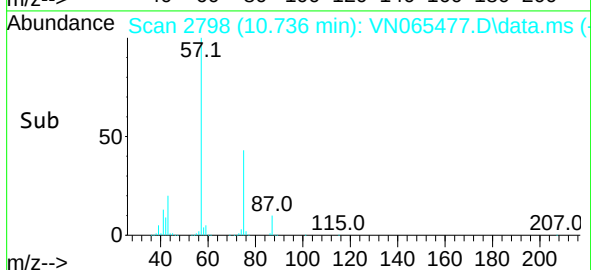
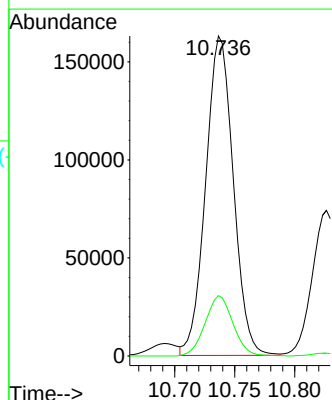
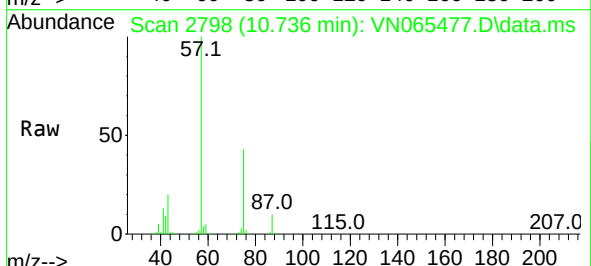
Instrument :
MSVOA_N
ClientSampled :

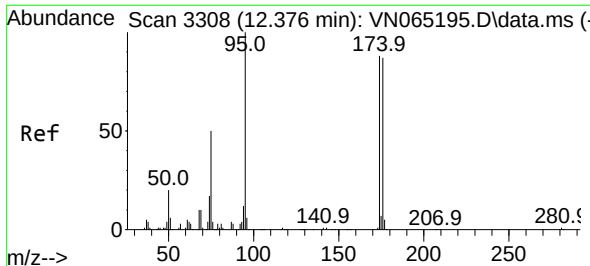
Tgt Ion: 76 Resp: 19813
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 111.85 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

Tgt Ion: 43 Resp: 260886
Ion Ratio Lower Upper
43 100
58 19.0 28.3 84.9#

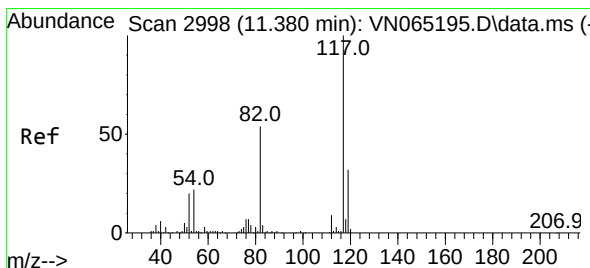
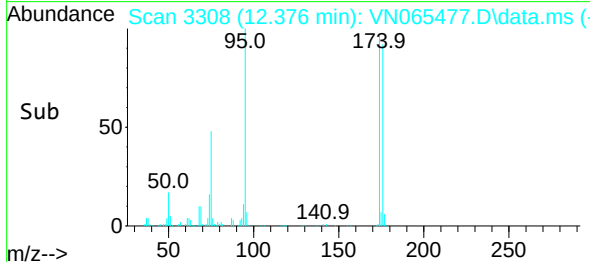
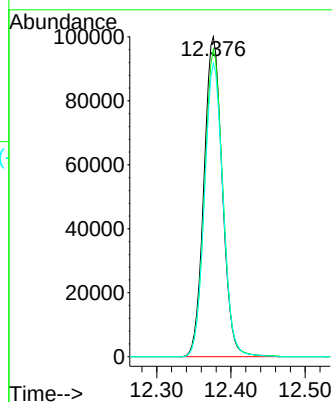
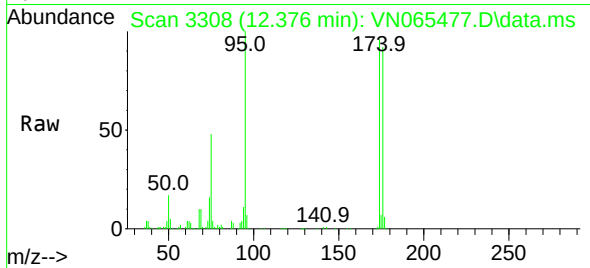




#62
4-Bromofluorobenzene
Concen: 52.45 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

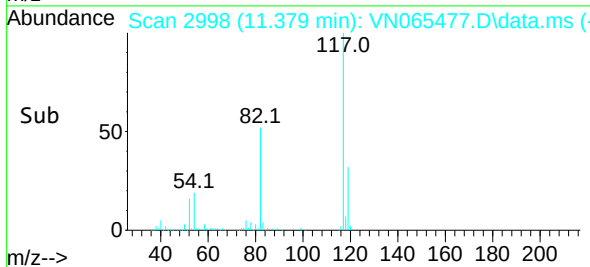
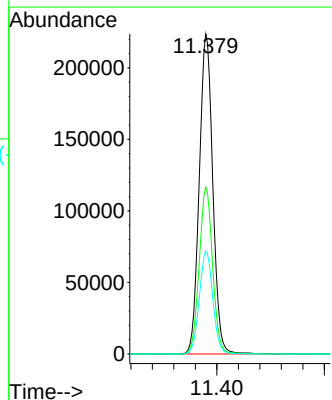
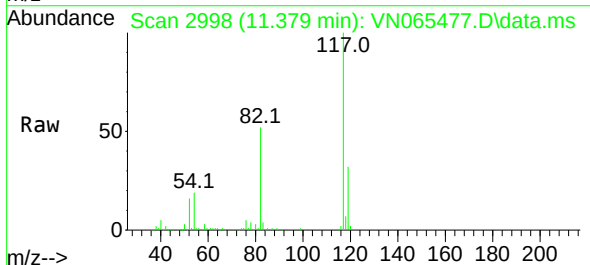
Instrument :
MSVOA_N
ClientSampleId :

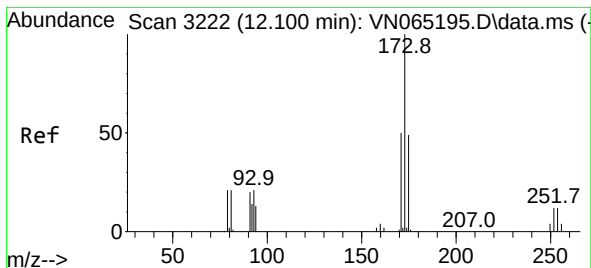
Tgt Ion: 95 Resp: 171311
Ion Ratio Lower Upper
95 100
174 95.9 0.0 160.4
176 92.6 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

Tgt Ion: 117 Resp: 390299
Ion Ratio Lower Upper
117 100
82 52.1 44.2 66.2
119 32.1 25.8 38.6





#71

Bromoform

Concen: 0.28 ug/l

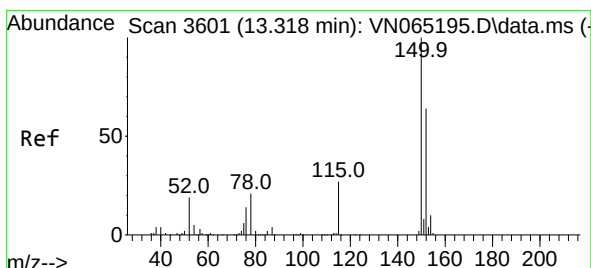
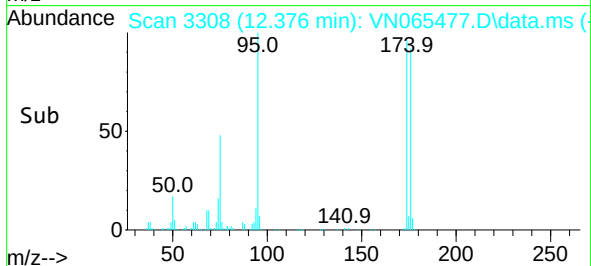
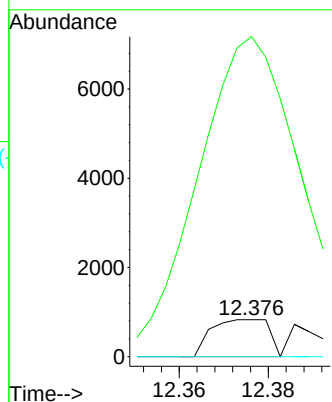
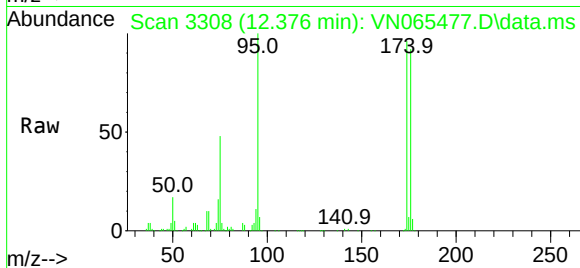
RT: 12.376 min Scan# 3308

Delta R.T. 0.276 min

Lab File: VN065477.D

Acq: 11 Jan 2021 18:58

Tgt Ion:	173	Resp:	743
Ion Ratio	Lower	Upper	
173	100		
175	1342.1	24.3	72.8#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

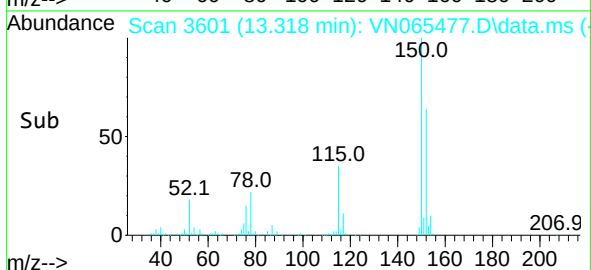
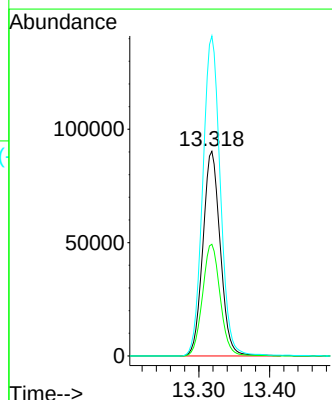
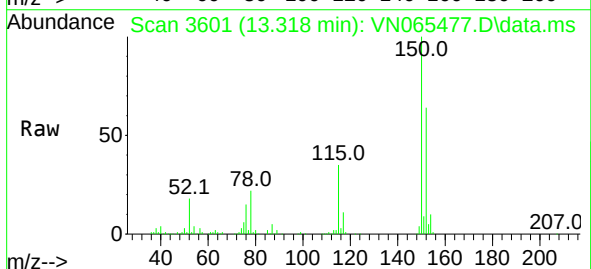
RT: 13.318 min Scan# 3601

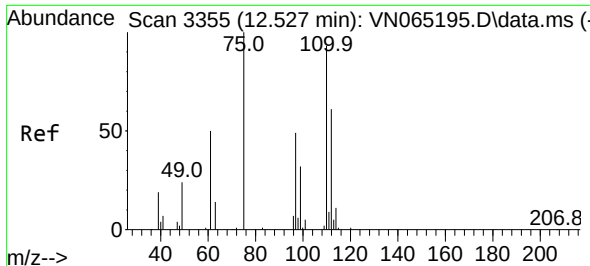
Delta R.T. 0.000 min

Lab File: VN065477.D

Acq: 11 Jan 2021 18:58

Tgt Ion:	152	Resp:	153841
Ion Ratio	Lower	Upper	
152	100		
115	55.4	29.7	89.1
150	157.6	0.0	350.6

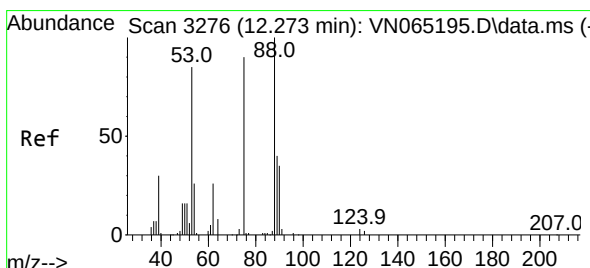
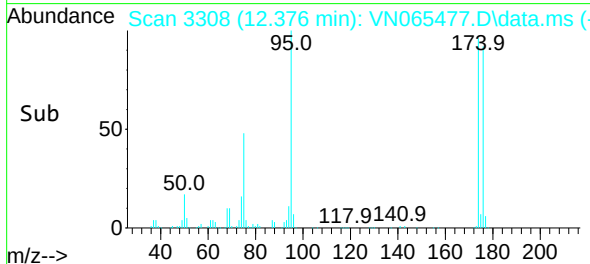
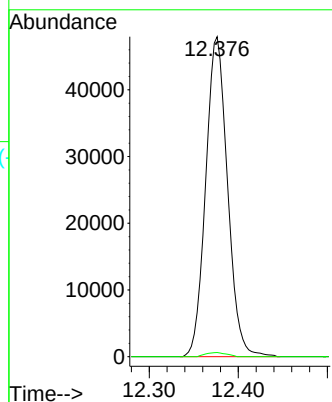
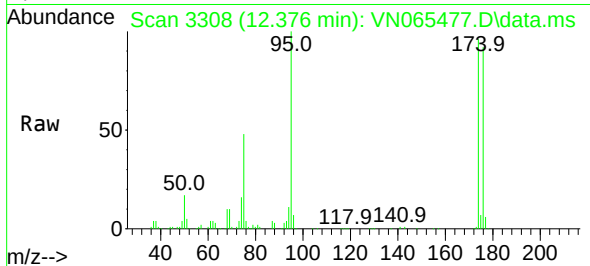




#76
1,2,3-Trichloropropane
Concen: 26.00 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 81590
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.55 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065477.D
Acq: 11 Jan 2021 18:58

Tgt Ion: 75 Resp: 81590
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#

