

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011121\
 Data File : VN065481.D
 Acq On : 11 Jan 2021 20:37
 Operator : JC/MD
 Sample : M1044-21
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 12 00:12:20 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)

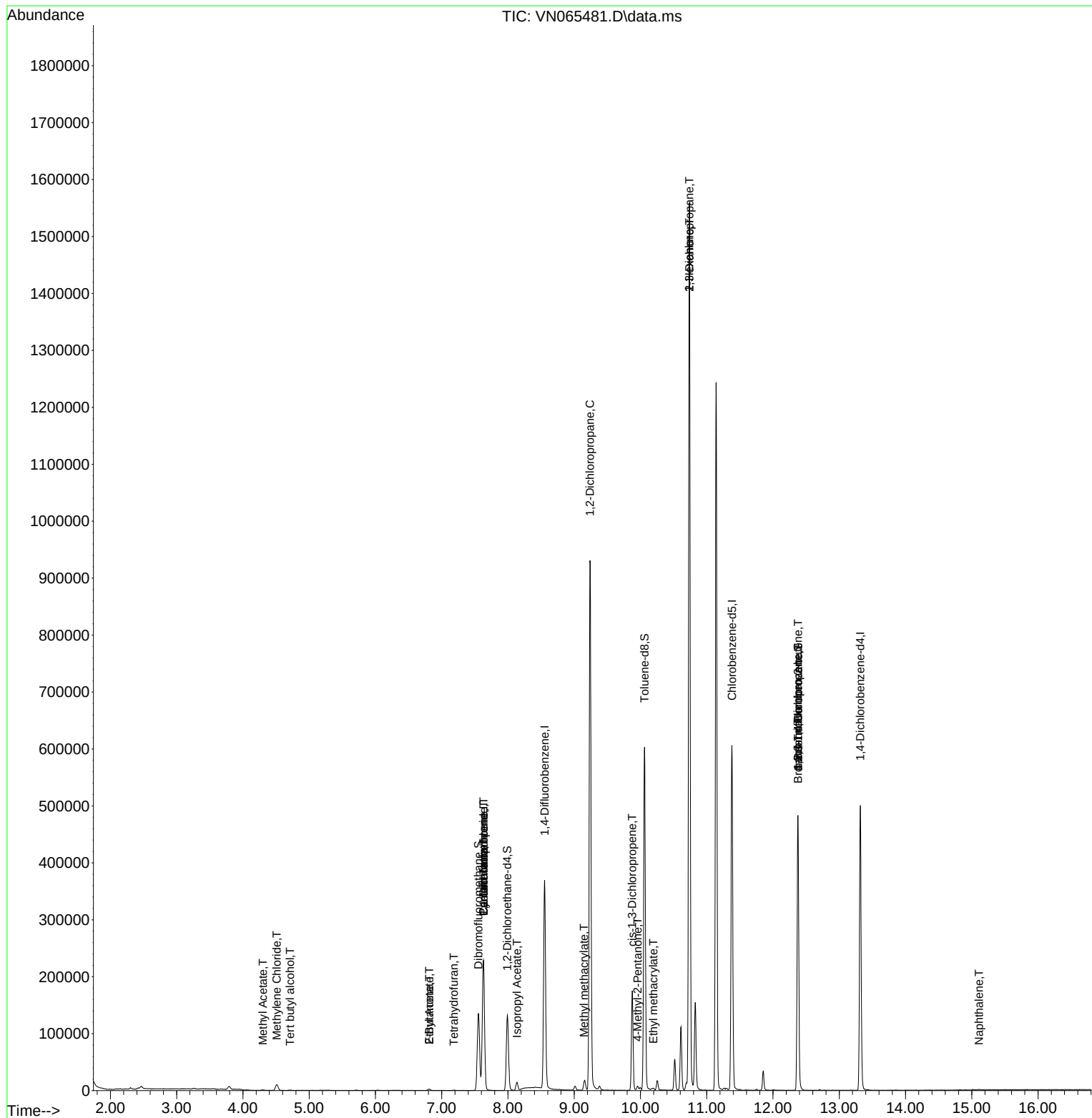
Internal Standards						
1) Pentafluorobenzene	7.630	168	212369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	352837	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	378313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	152328	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	117486	49.00	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.00%		
35) Dibromofluoromethane	7.553	113	105697	49.65	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.30%		
50) Toluene-d8	10.061	98	439354	55.07	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	110.14%		
62) 4-Bromofluorobenzene	12.376	95	168947	53.18	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	106.36%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.711	59	364	0.93	ug/l #	73
16) Acetone	3.791	43	8543	Below Cal		94
18) Methyl Acetate	4.303	43	2242	1.04	ug/l #	68
20) Methylene Chloride	4.508	84	8270	3.54	ug/l	98
25) 2-Butanone	6.811	43	1691	1.26	ug/l	98
29) Tetrahydrofuran	7.184	42	874	1.00	ug/l #	40
31) Cyclohexane	7.630	56	2924	0.83	ug/l #	1
36) 1,1-Dichloropropene	7.630	75	12779	3.98	ug/l #	49
37) Ethyl Acetate	6.811	43	1691	0.53	ug/l #	66
38) Carbon Tetrachloride	7.630	117	17283	5.13	ug/l #	16
43) Isopropyl Acetate	8.135	43	17152	3.13	ug/l	98
45) 1,2-Dichloropropane	9.238	63	1212	0.49	ug/l #	43
48) Methyl methacrylate	9.148	41	4576	1.72	ug/l #	12
51) 4-Methyl-2-Pentanone	9.955	43	5028	1.63	ug/l	96
54) cis-1,3-Dichloropropene	9.875	75	33394	7.85	ug/l #	60
56) Ethyl methacrylate	10.196	69	2202	0.60	ug/l #	79
57) 1,3-Dichloropropane	10.736	76	16781	4.27	ug/l #	42
59) 2-Hexanone	10.736	43	226751	100.10	ug/l #	49
71) Bromoform	12.380	173	910	0.35	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	79785	25.67	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	79785	64.74	ug/l #	15
95) Naphthalene	15.109	128	828	3.47	ug/l #	69

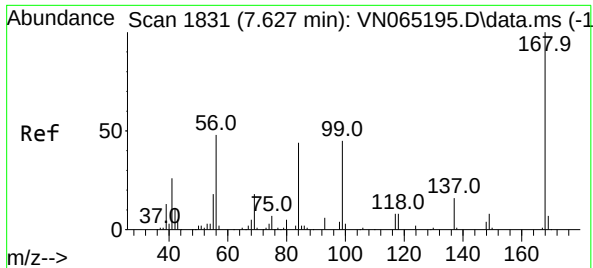
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

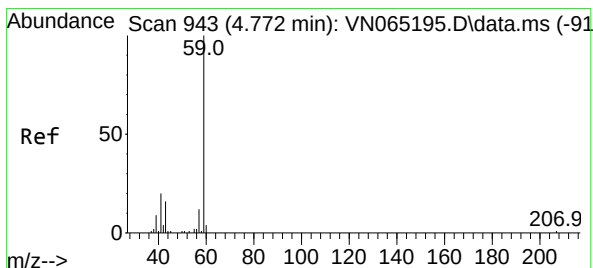
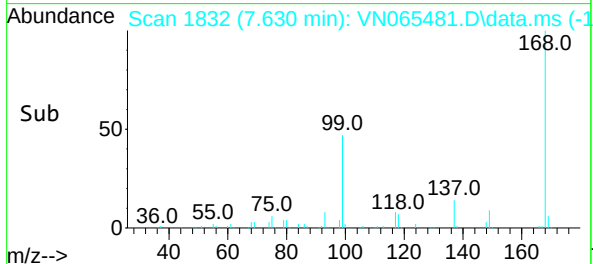
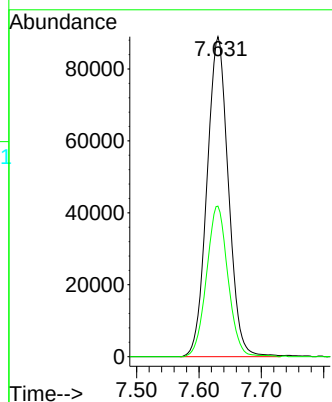
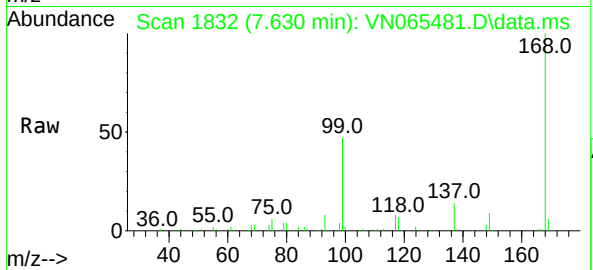




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

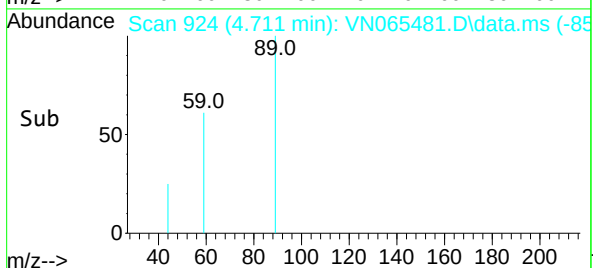
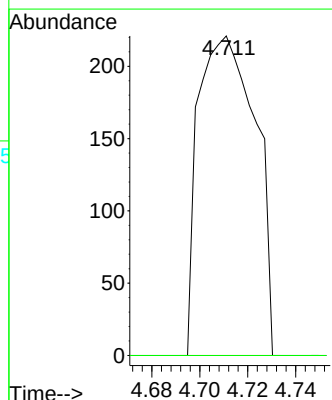
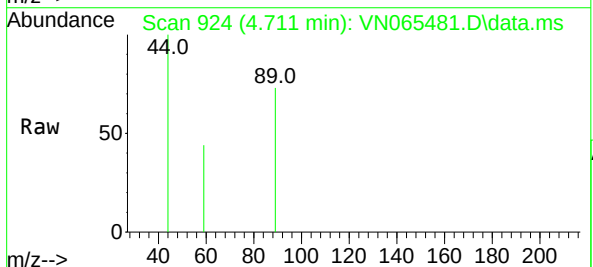
Instrument :
MSVOA_N
ClientSampled :

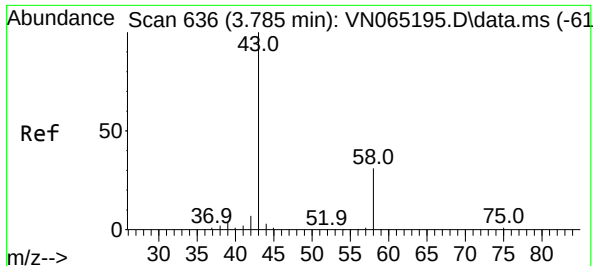
Tgt Ion:168 Resp: 212369
Ion Ratio Lower Upper
168 100
99 47.1 43.0 64.4



#11
Tert butyl alcohol
Concen: 0.93 ug/l
RT: 4.711 min Scan# 924
Delta R.T. -0.061 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

Tgt Ion: 59 Resp: 364
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

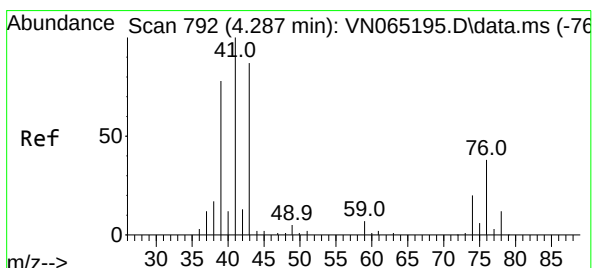
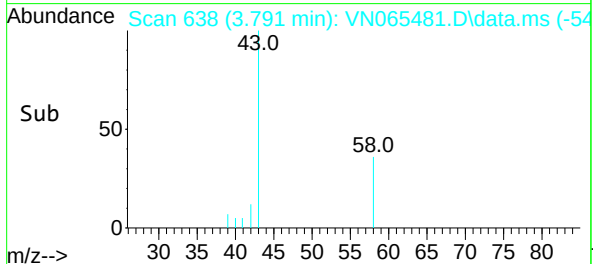
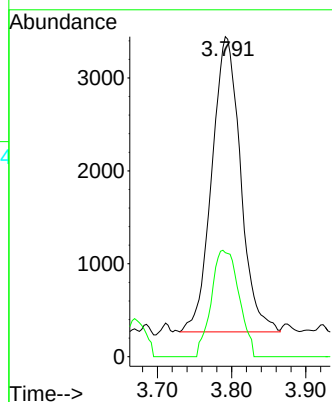
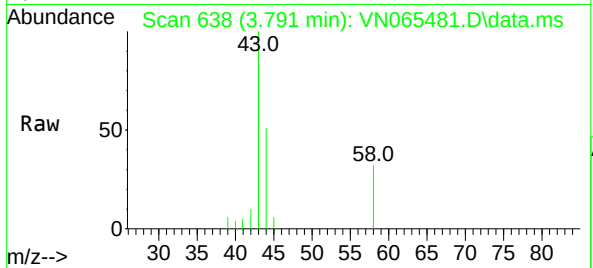




#16
Acetone
Concen: Below Cal
RT: 3.791 min Scan# 638
Delta R.T. 0.006 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

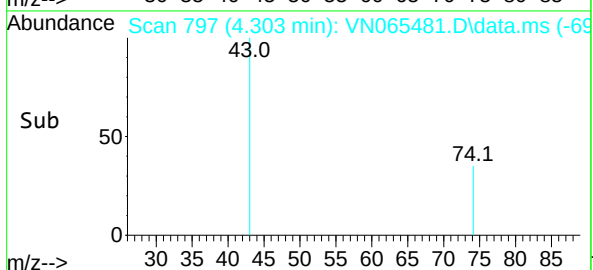
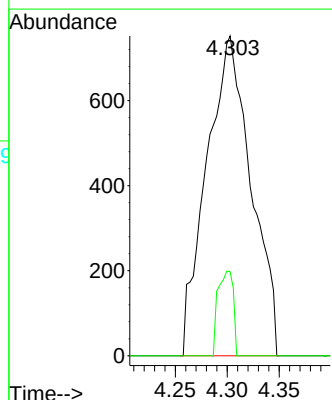
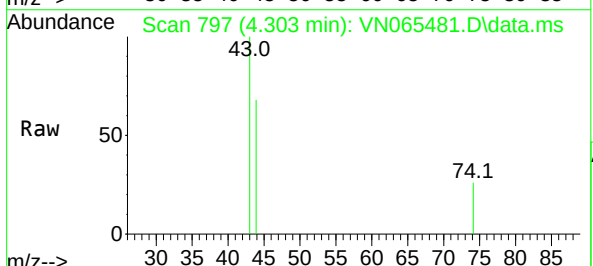
Instrument :
MSVOA_N
ClientSampled :

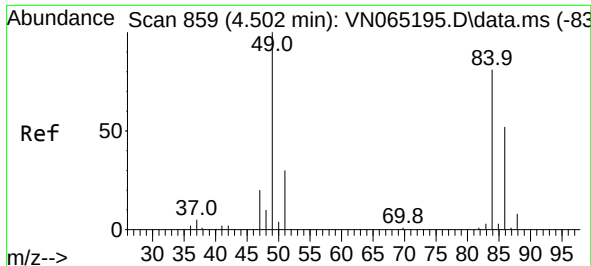
Tgt Ion: 43 Resp: 8543
Ion Ratio Lower Upper
43 100
58 35.2 25.7 38.5



#18
Methyl Acetate
Concen: 1.04 ug/l
RT: 4.303 min Scan# 797
Delta R.T. 0.016 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

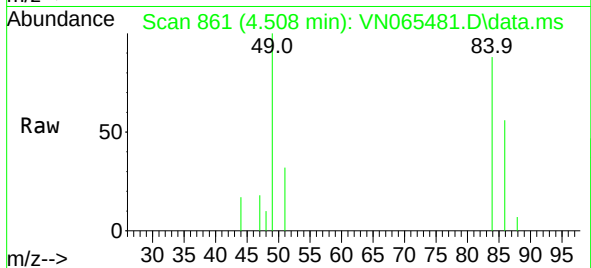
Tgt Ion: 43 Resp: 2242
Ion Ratio Lower Upper
43 100
74 9.1 20.2 30.2#





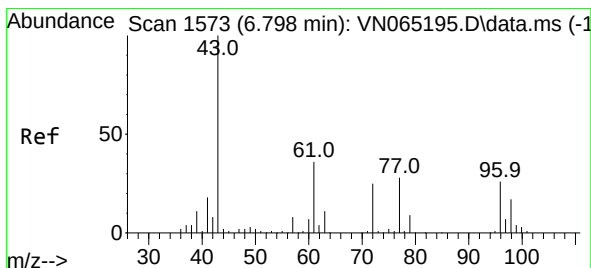
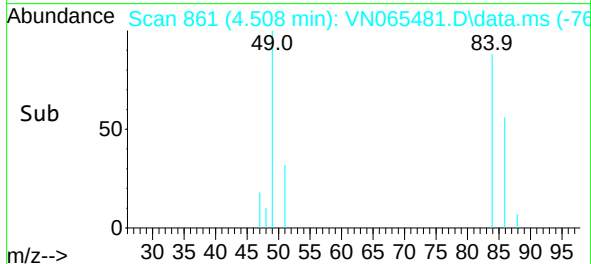
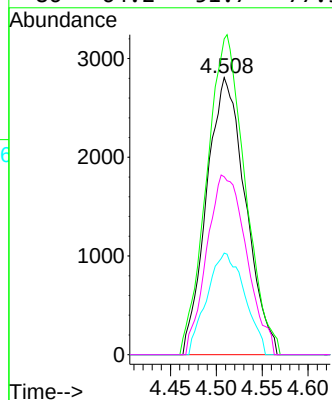
#20
Methylene Chloride
Concen: 3.54 ug/l
RT: 4.508 min Scan# 861
Delta R.T. 0.006 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 8270

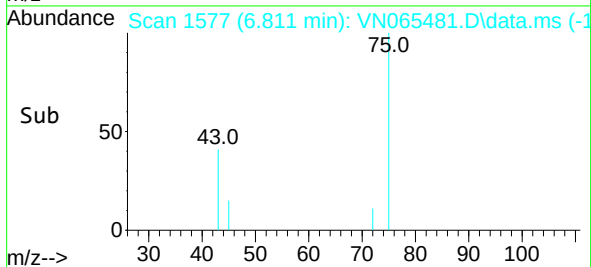
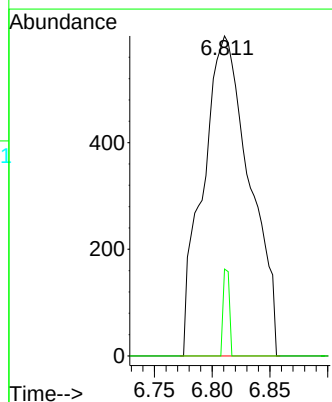
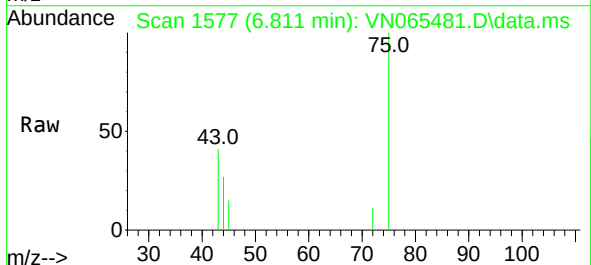
Ion	Ratio	Lower	Upper
84	100		
49	114.0	93.4	140.0
51	36.7	28.2	42.4
86	64.2	51.7	77.5

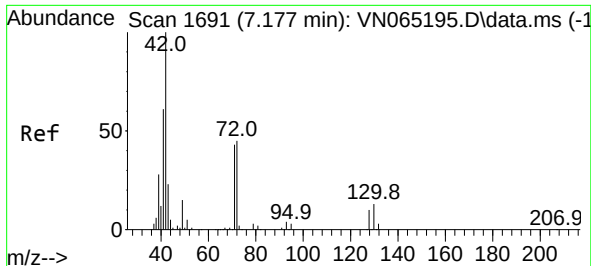


#25
2-Butanone
Concen: 1.26 ug/l
RT: 6.811 min Scan# 1577
Delta R.T. 0.013 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

Tgt Ion: 43 Resp: 1691

Ion	Ratio	Lower	Upper
43	100		
72	27.2	21.0	31.6





#29

Tetrahydrofuran

Concen: 1.00 ug/l

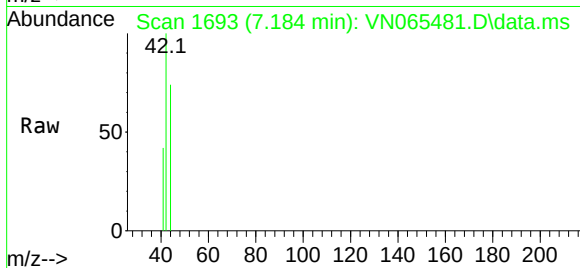
RT: 7.184 min Scan# 1693

Delta R.T. 0.007 min

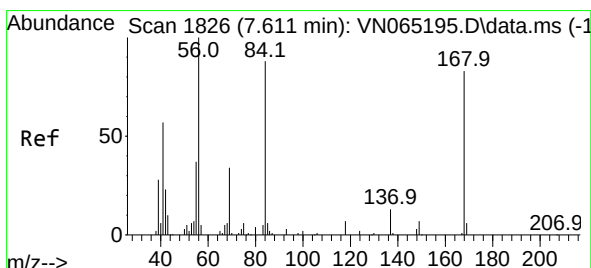
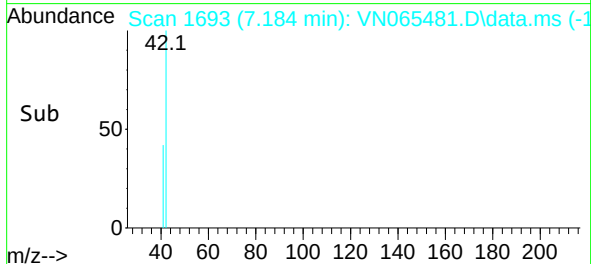
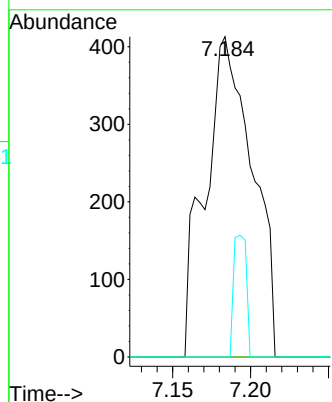
Lab File: VN065481.D

Acq: 11 Jan 2021 20:37

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	42	Resp:	874
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	54.8#
71	10.2	33.6	50.4#



#31

Cyclohexane

Concen: 0.83 ug/l

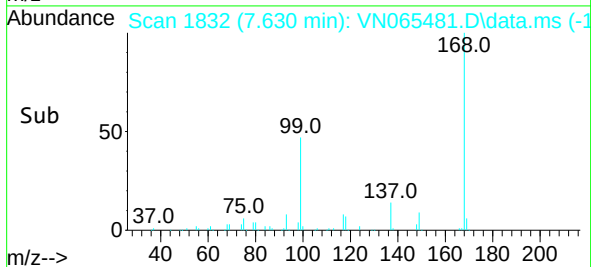
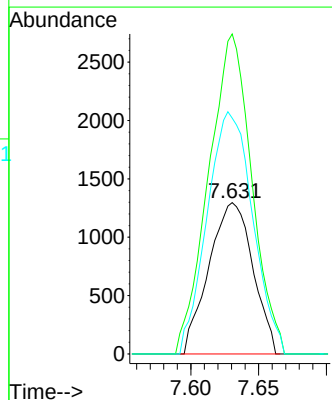
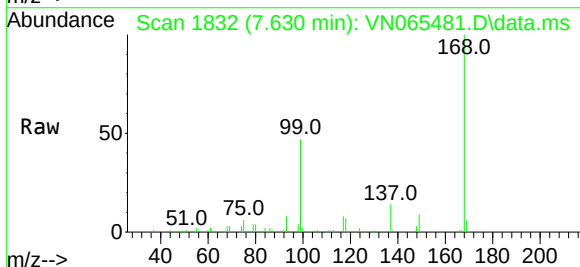
RT: 7.630 min Scan# 1832

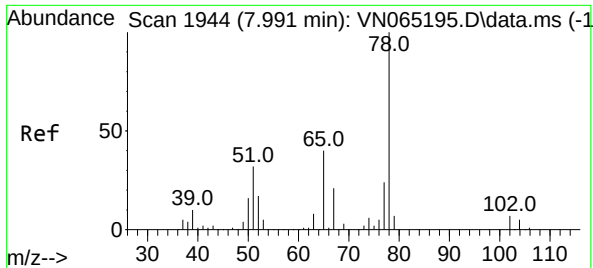
Delta R.T. 0.019 min

Lab File: VN065481.D

Acq: 11 Jan 2021 20:37

Tgt Ion:	56	Resp:	2924
Ion	Ratio	Lower	Upper
56	100		
69	197.8	27.5	41.3#
84	155.7	73.9	110.9#

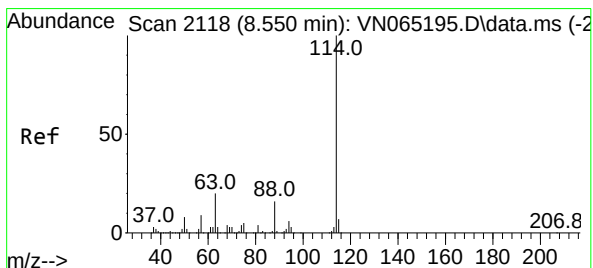
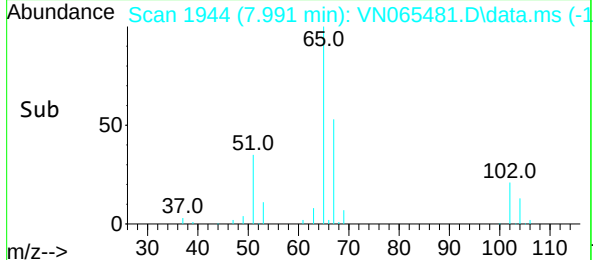
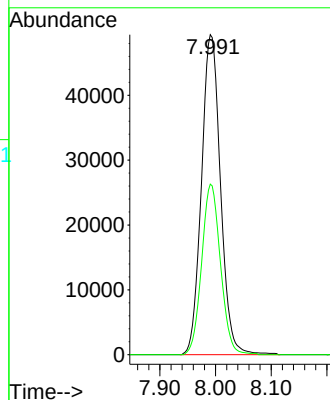
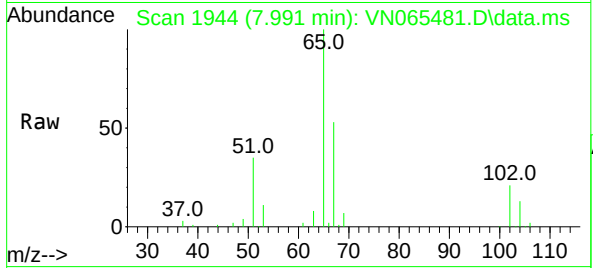




#33
1,2-Dichloroethane-d4
Concen: 49.00 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

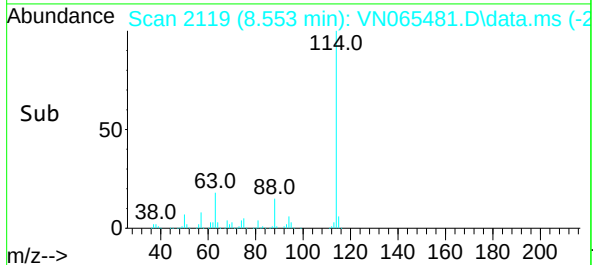
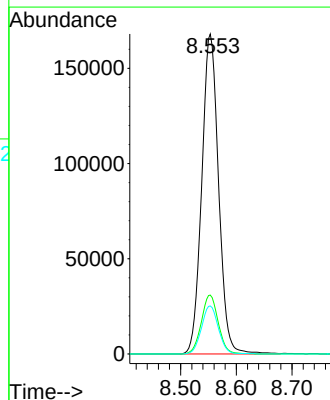
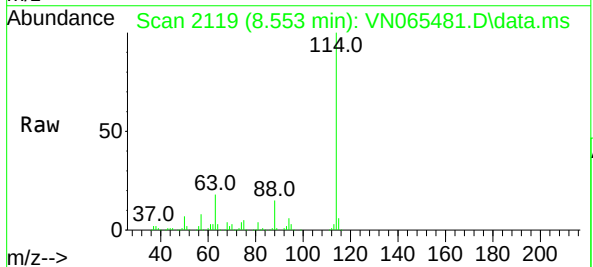
Instrument :
MSVOA_N
ClientSampled :

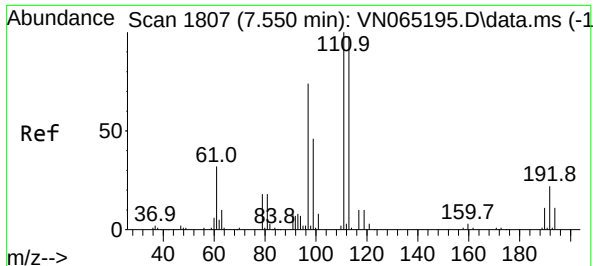
Tgt Ion: 65 Resp: 117486
Ion Ratio Lower Upper
65 100
67 52.6 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

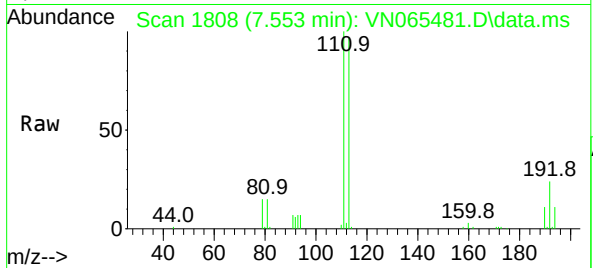
Tgt Ion: 114 Resp: 352837
Ion Ratio Lower Upper
114 100
63 18.4 0.0 38.6
88 15.0 0.0 32.6



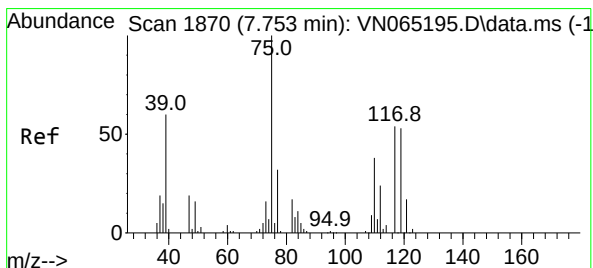
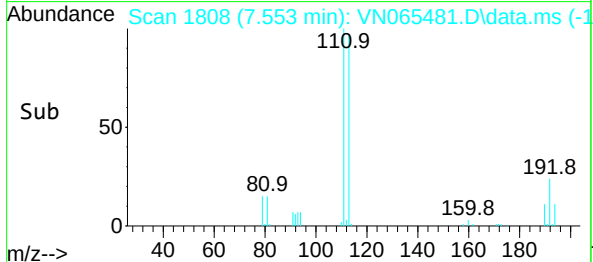
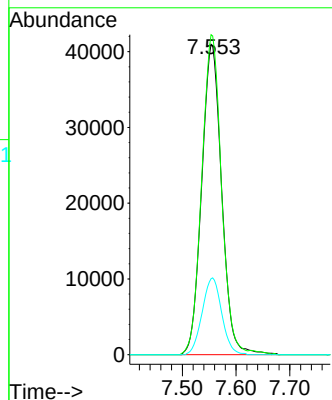


#35
 Dibromofluoromethane
 Concen: 49.65 ug/l
 RT: 7.553 min Scan# 1808
 Delta R.T. 0.003 min
 Lab File: VN065481.D
 Acq: 11 Jan 2021 20:37

Instrument :
 MSVOA_N
 ClientSampled :

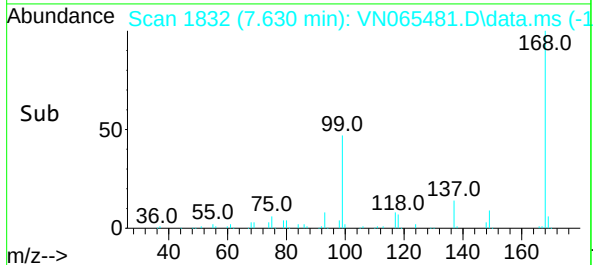
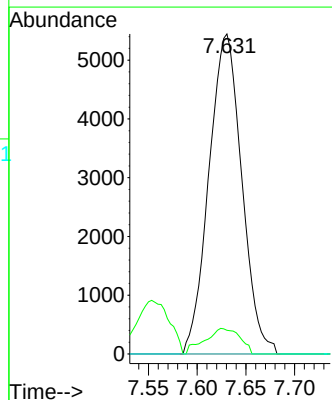
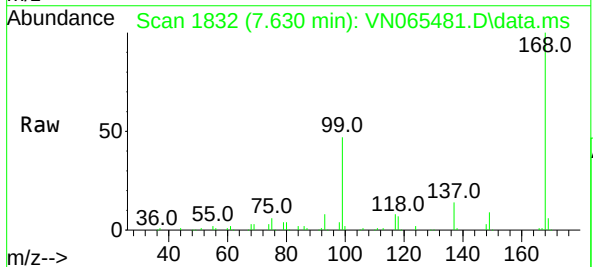


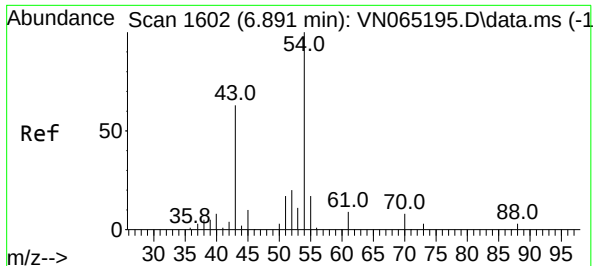
Tgt Ion:113 Resp: 105697
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.6 122.4
 192 24.2 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 3.98 ug/l
 RT: 7.630 min Scan# 1832
 Delta R.T. -0.123 min
 Lab File: VN065481.D
 Acq: 11 Jan 2021 20:37

Tgt Ion: 75 Resp: 12779
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.8 53.3#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.53 ug/l

RT: 6.811 min Scan# 1577

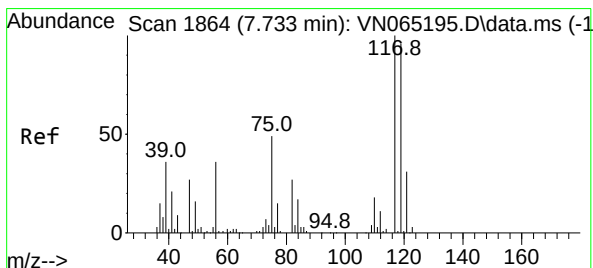
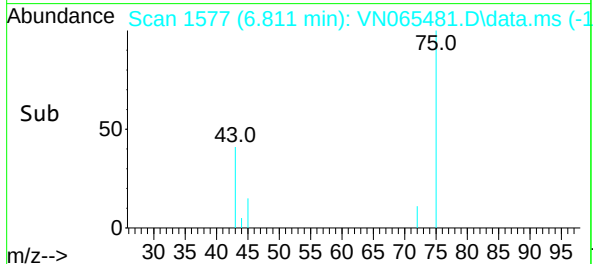
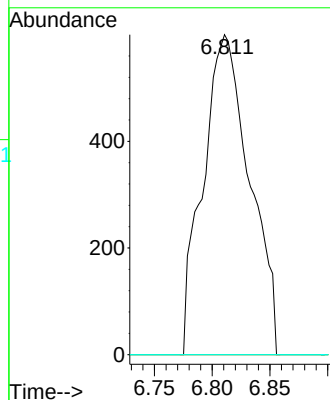
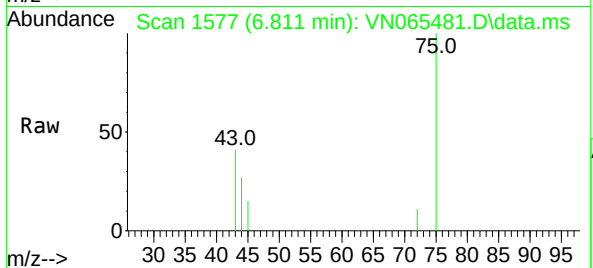
Delta R.T. -0.080 min

Lab File: VN065481.D

Acq: 11 Jan 2021 20:37

Tgt Ion: 43	Resp: 1691
Ion Ratio	Lower Upper
43 100	
61 0.0	12.8 19.2#
70 0.0	8.8 13.2#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.13 ug/l

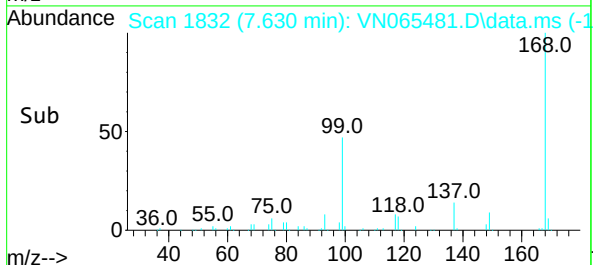
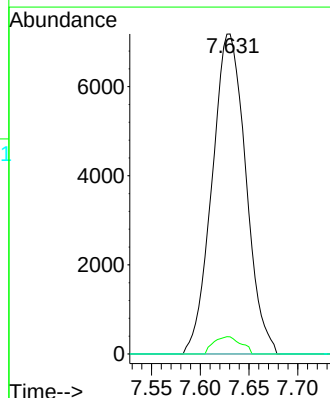
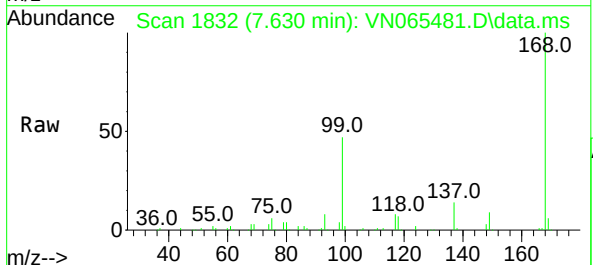
RT: 7.630 min Scan# 1832

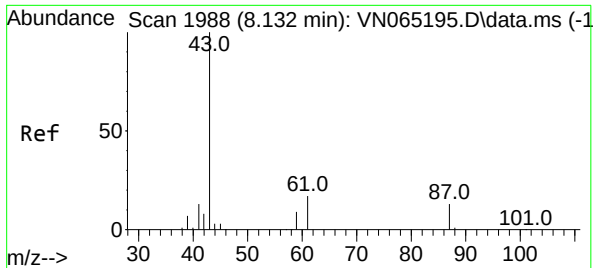
Delta R.T. -0.103 min

Lab File: VN065481.D

Acq: 11 Jan 2021 20:37

Tgt Ion: 117	Resp: 17283
Ion Ratio	Lower Upper
117 100	
119 5.4	76.7 115.1#
121 0.0	25.4 38.2#

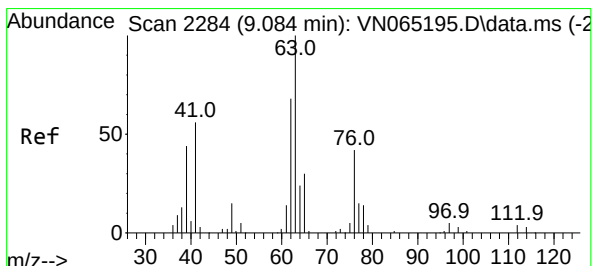
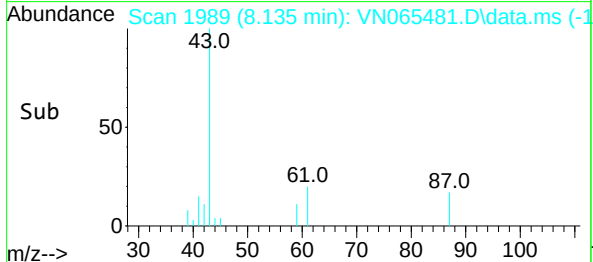
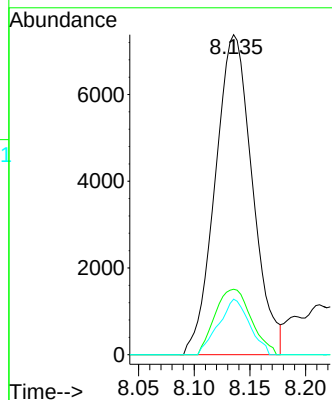
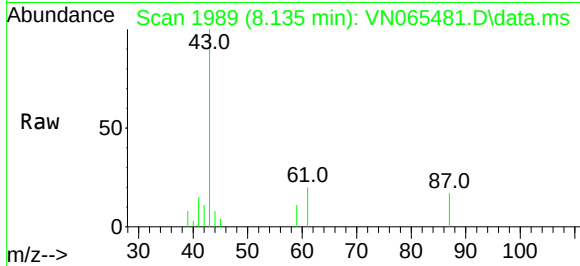




#43
Isopropyl Acetate
Concen: 3.13 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

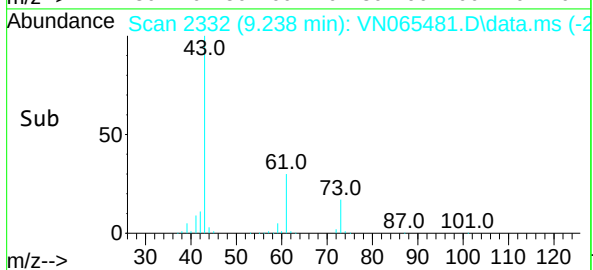
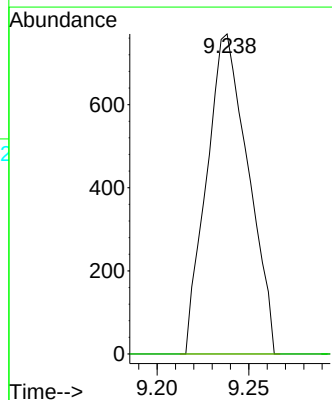
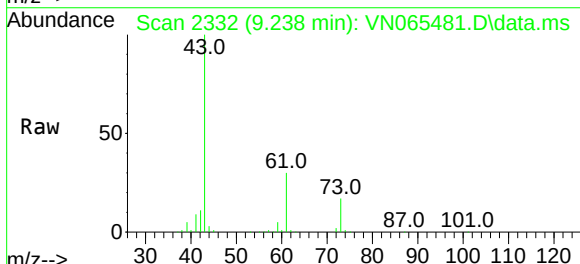
Instrument :
MSVOA_N
ClientSampled :

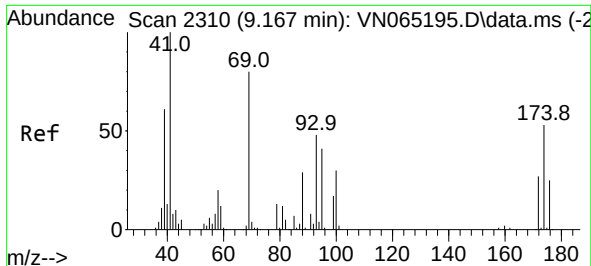
Tgt Ion:	43	Resp:	17152
Ion	Ratio	Lower	Upper
43	100		
61	20.0	17.2	25.8
87	14.4	11.4	17.0



#45
1,2-Dichloropropane
Concen: 0.49 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.154 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

Tgt Ion:	63	Resp:	1212
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.0	37.4#

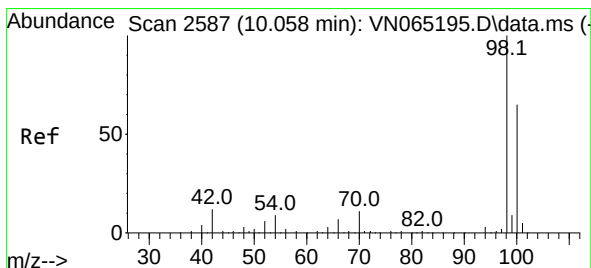
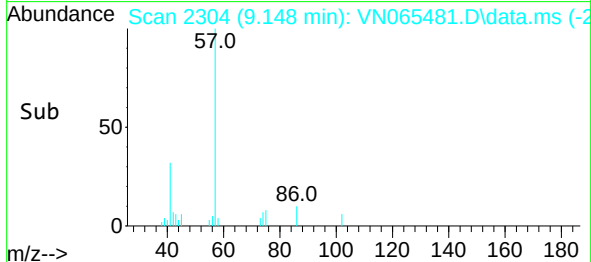
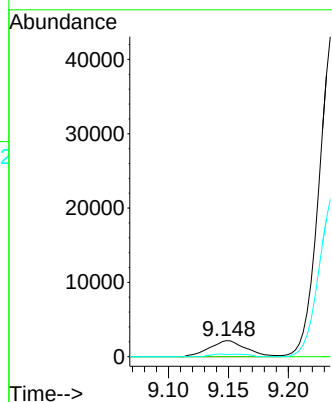
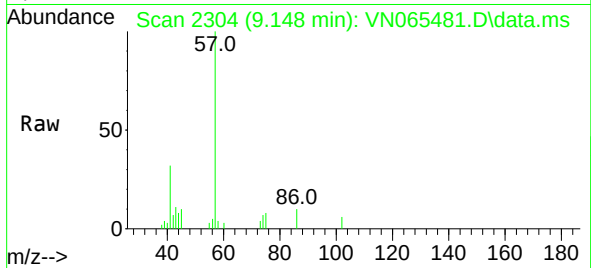




#48
Methyl methacrylate
Concen: 1.72 ug/l
RT: 9.148 min Scan# 2304
Delta R.T. -0.019 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

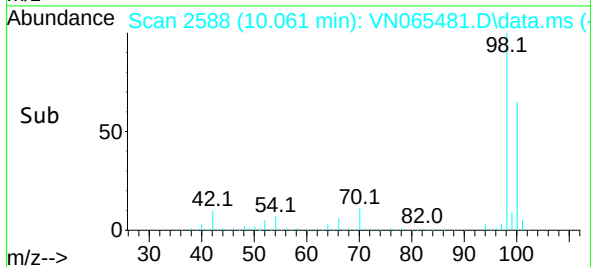
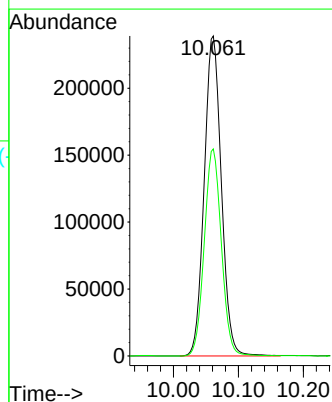
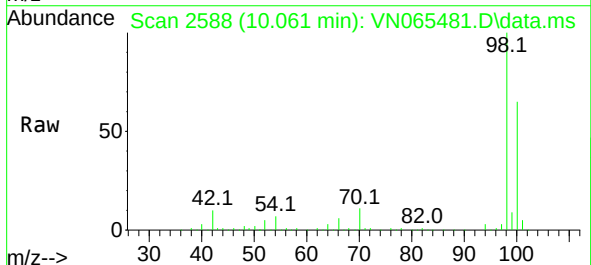
Instrument :
MSVOA_N
ClientSampled :

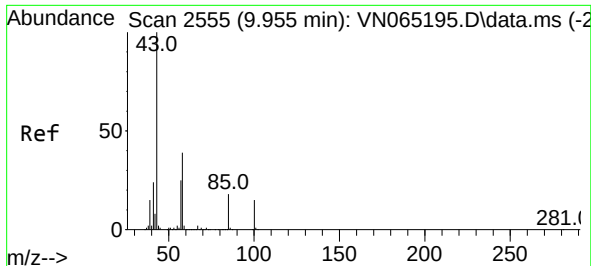
Tgt Ion: 41 Resp: 4576
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#



#50
Toluene-d8
Concen: 55.07 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

Tgt Ion: 98 Resp: 439354
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5

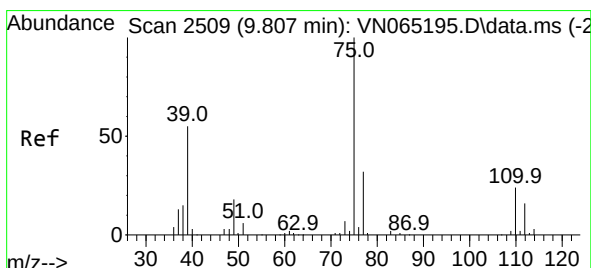
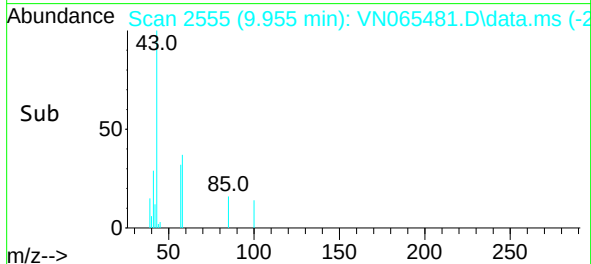
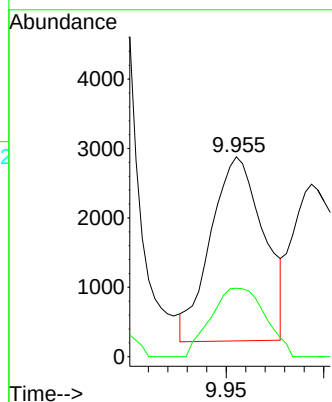
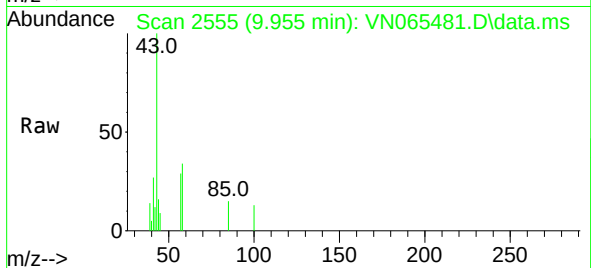




#51
4-Methyl-2-Pentanone
Concen: 1.63 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

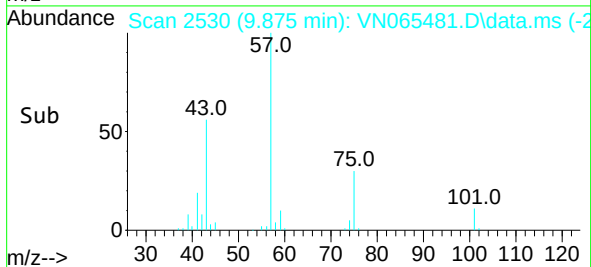
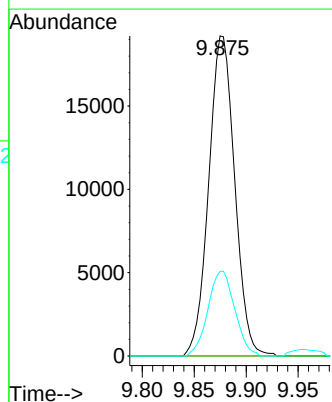
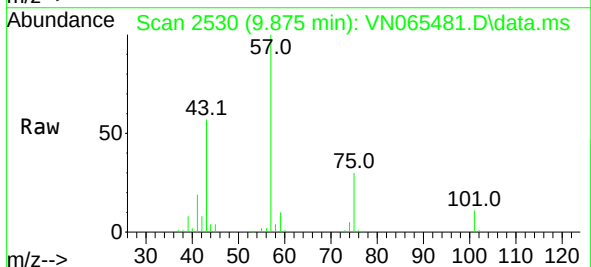
Instrument :
MSVOA_N
ClientSampled :

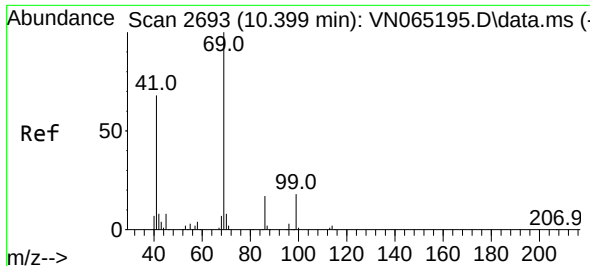
Tgt Ion: 43 Resp: 5028
Ion Ratio Lower Upper
43 100
58 38.3 32.4 48.6



#54
cis-1,3-Dichloropropene
Concen: 7.85 ug/l
RT: 9.875 min Scan# 2530
Delta R.T. 0.068 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

Tgt Ion: 75 Resp: 33394
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 26.4 35.6 53.4#

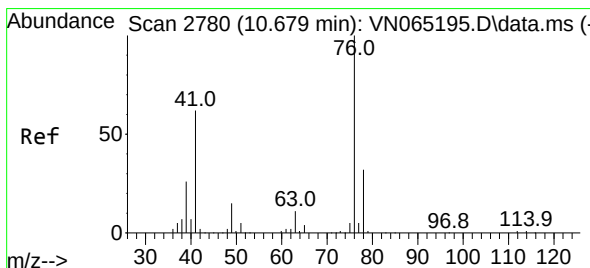
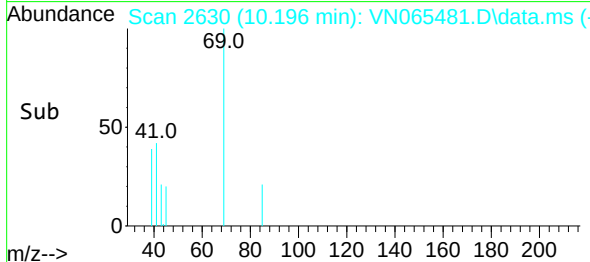
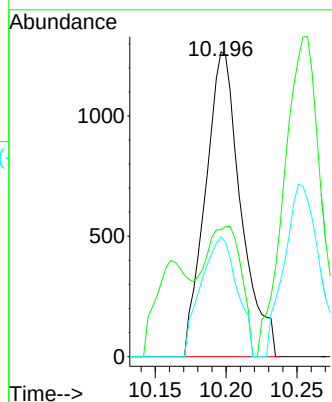
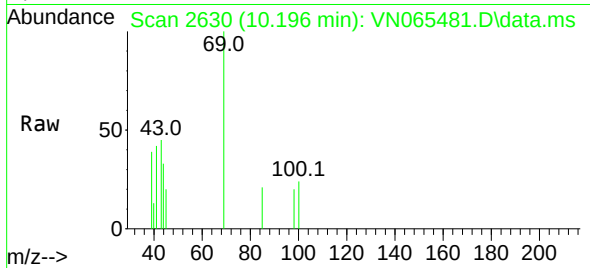




#56
Ethyl methacrylate
Concen: 0.60 ug/l
RT: 10.196 min Scan# 2630
Delta R.T. -0.203 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

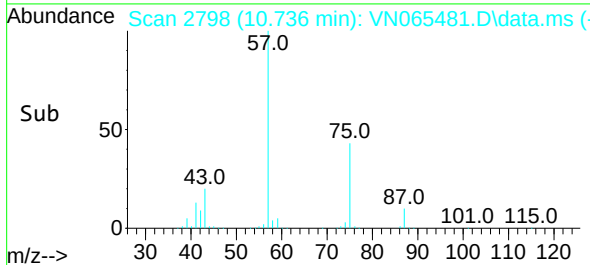
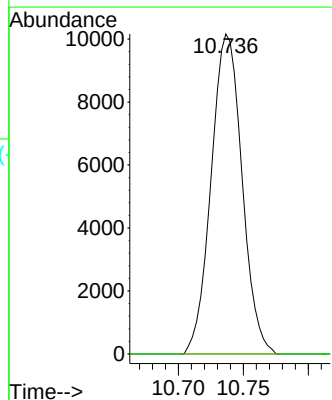
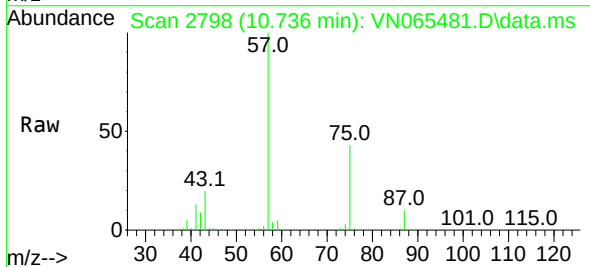
Instrument :
MSVOA_N
ClientSampled :

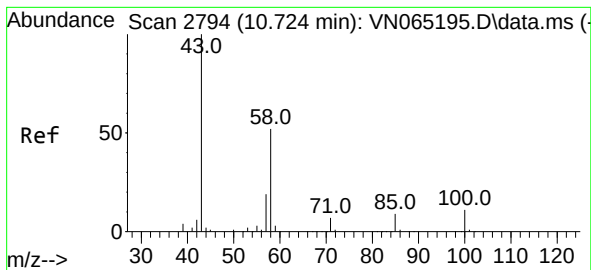
Tgt Ion: 69 Resp: 2202
Ion Ratio Lower Upper
69 100
41 42.2 49.4 74.0#
39 39.9 25.9 38.9#



#57
1,3-Dichloropropane
Concen: 4.27 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

Tgt Ion: 76 Resp: 16781
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

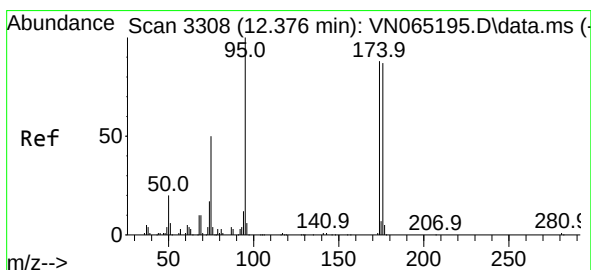
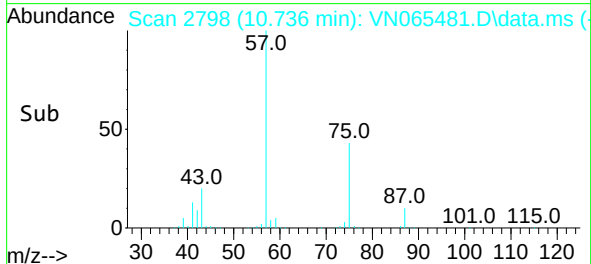
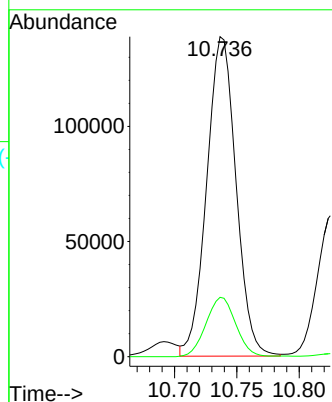
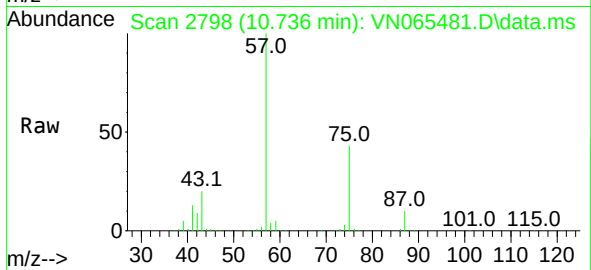




#59
2-Hexanone
Concen: 100.10 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

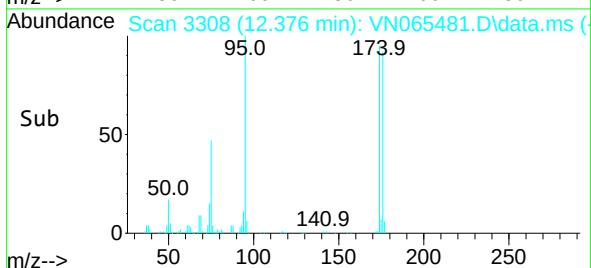
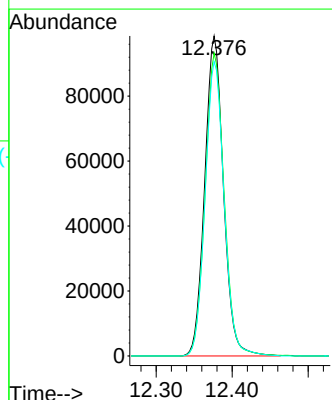
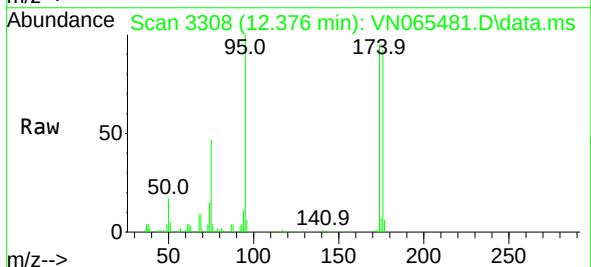
Instrument :
MSVOA_N
ClientSampled :

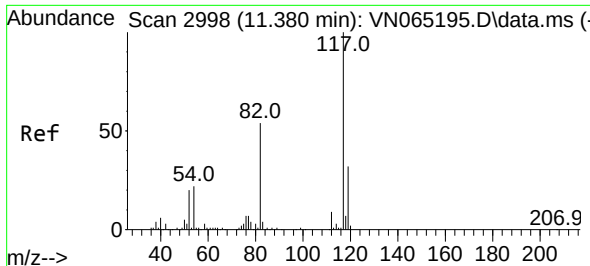
Tgt Ion: 43 Resp: 226751
Ion Ratio Lower Upper
43 100
58 19.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 53.18 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

Tgt Ion: 95 Resp: 168947
Ion Ratio Lower Upper
95 100
174 95.6 0.0 160.4
176 93.0 0.0 158.4

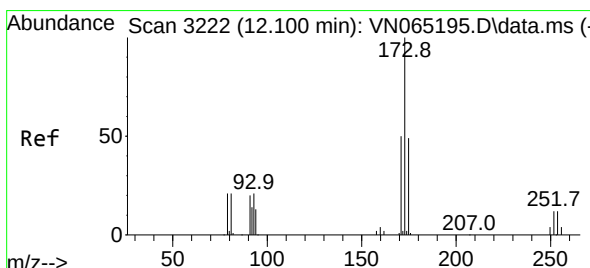
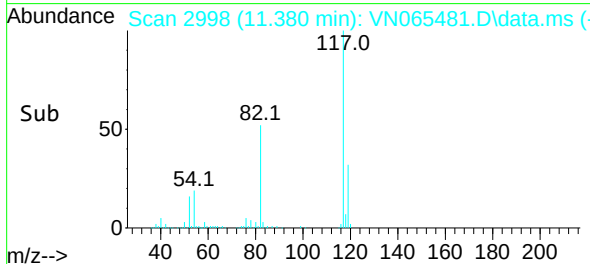
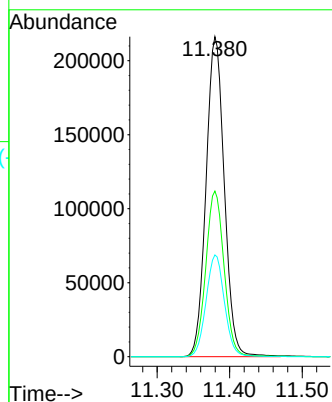
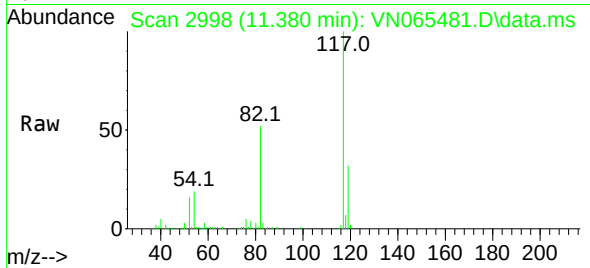




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

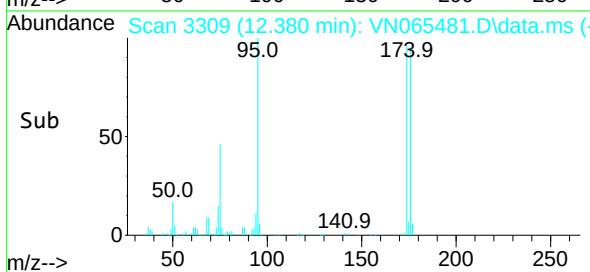
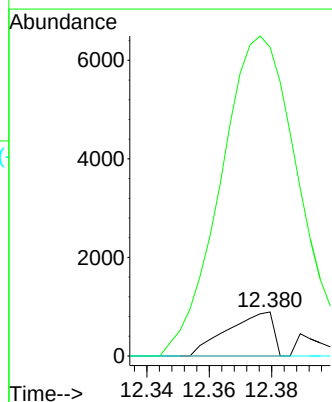
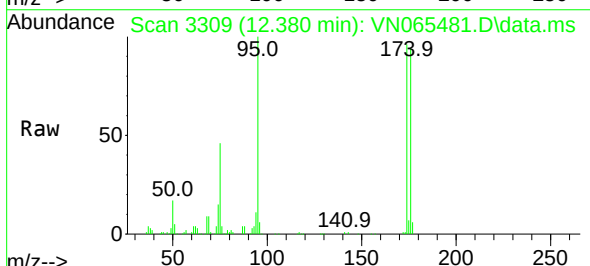
Instrument :
MSVOA_N
ClientSampleId :

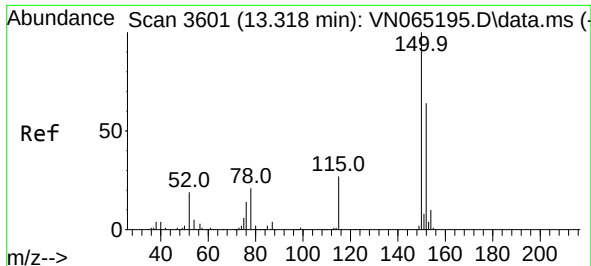
Tgt Ion:117 Resp: 378313
Ion Ratio Lower Upper
117 100
82 51.7 44.2 66.2
119 31.8 25.8 38.6



#71
Bromoform
Concen: 0.35 ug/l
RT: 12.380 min Scan# 3309
Delta R.T. 0.280 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

Tgt Ion:173 Resp: 910
Ion Ratio Lower Upper
173 100
175 1035.1 24.3 72.8#
254 0.0 0.0 0.0

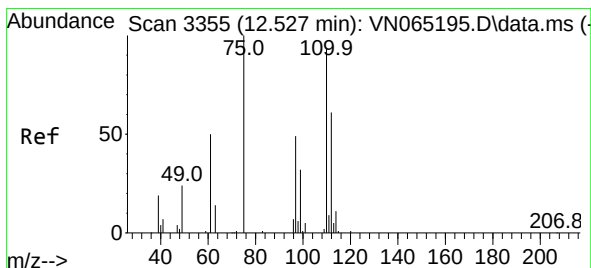
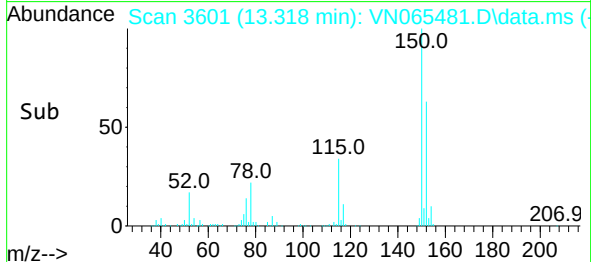
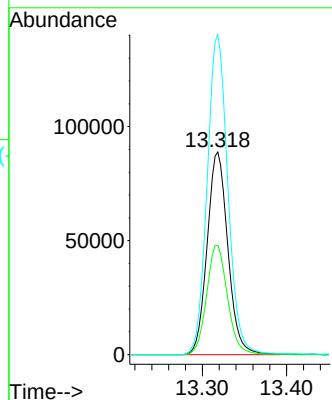
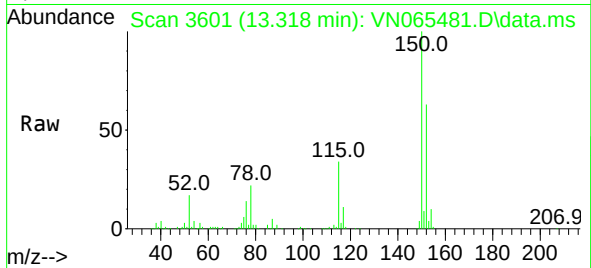




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

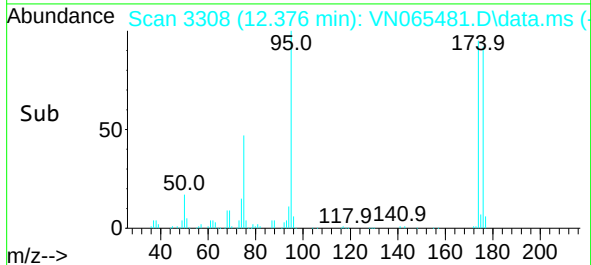
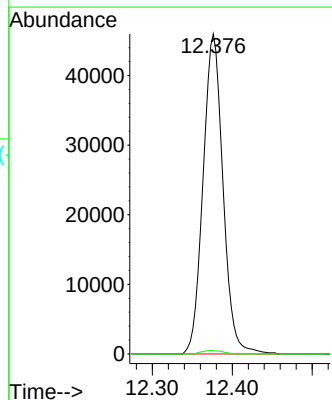
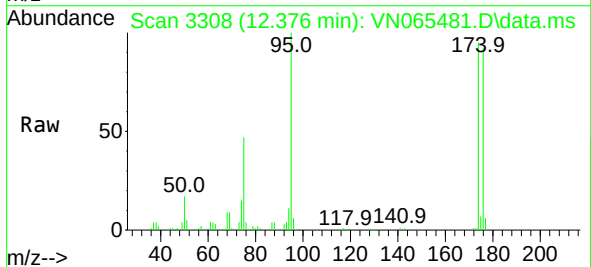
Instrument :
MSVOA_N
ClientSampled :

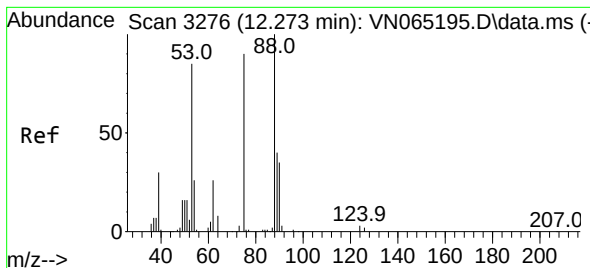
Tgt Ion:152 Resp: 152328
Ion Ratio Lower Upper
152 100
115 54.6 29.7 89.1
150 157.5 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 25.67 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

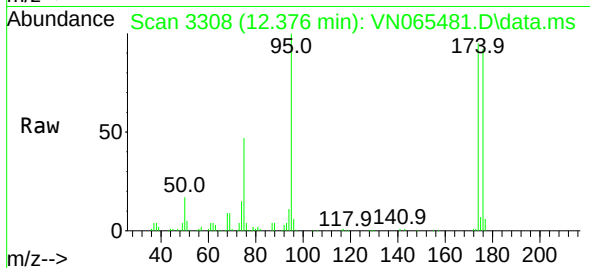
Tgt Ion: 75 Resp: 79785
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



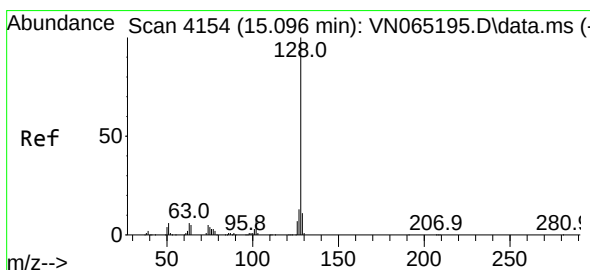
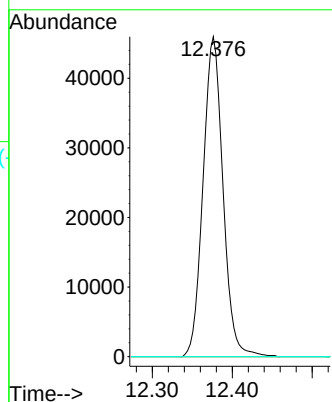
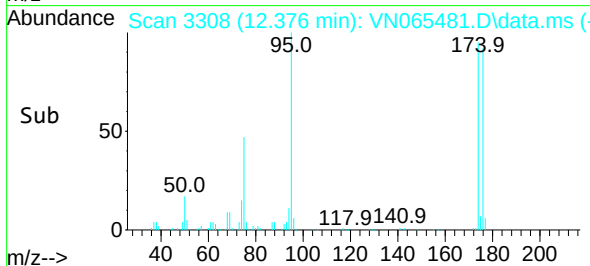


#81
trans-1,4-Dichloro-2-butene
Concen: 64.74 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37

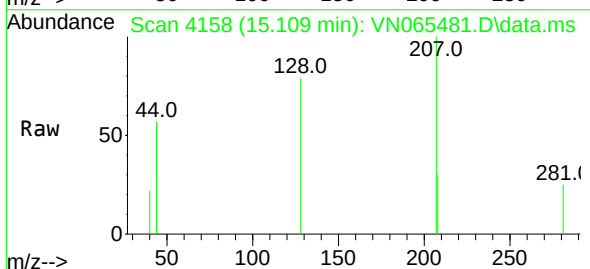
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 75 Resp: 79785
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#



#95
Naphthalene
Concen: 3.47 ug/l
RT: 15.109 min Scan# 4158
Delta R.T. 0.013 min
Lab File: VN065481.D
Acq: 11 Jan 2021 20:37



Tgt Ion: 128 Resp: 828
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#

