

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020921\
 Data File : VN065781.D
 Acq On : 9 Feb 2021 15:34
 Operator : JC/MD
 Sample : PB134530ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 10 00:58:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:47:28 2021
 Response via : Initial Calibration

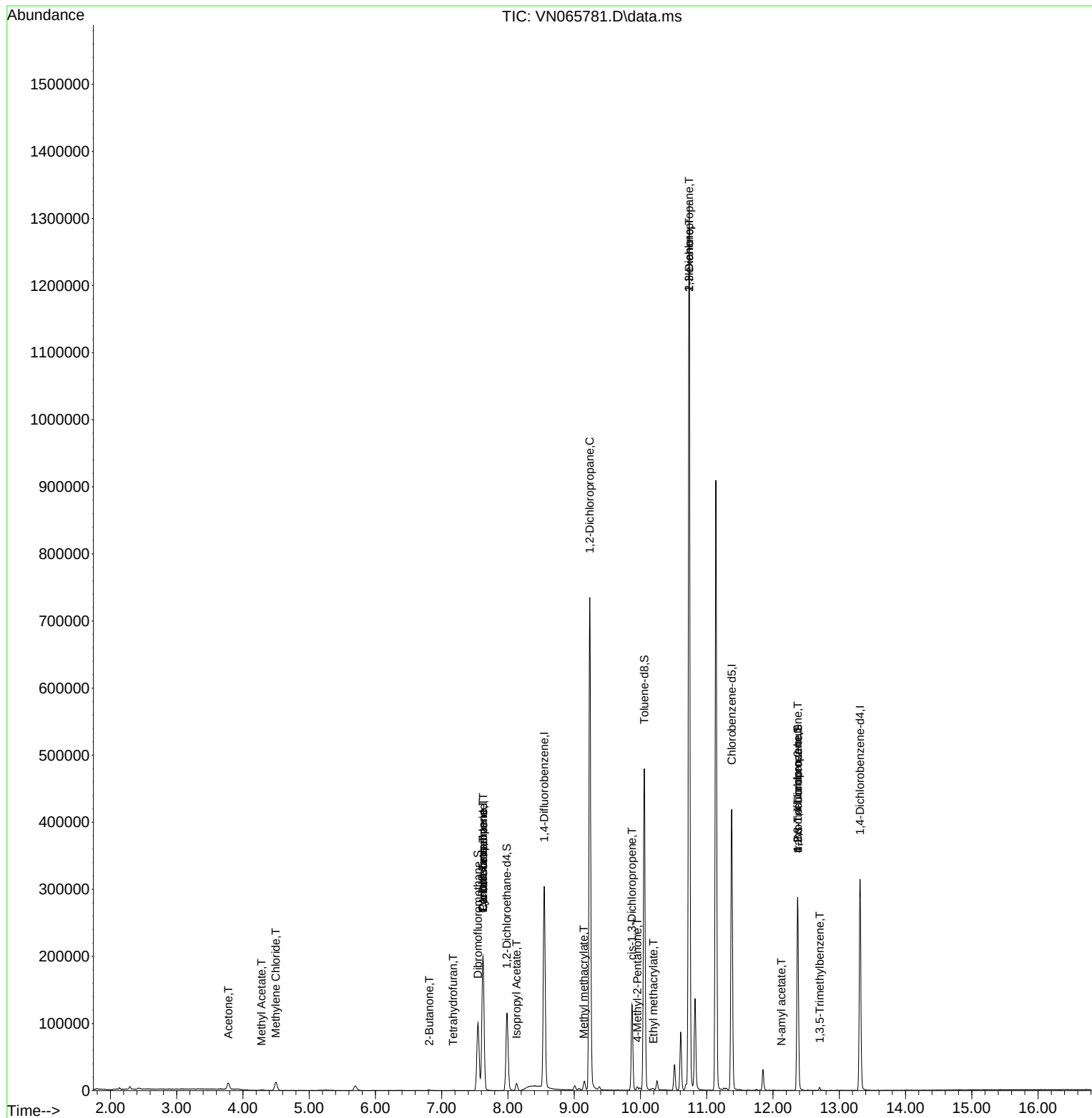
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.624	168	170868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	286794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	256326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	94458	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.984	65	96694	43.01	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	86.02%		
35) Dibromofluoromethane	7.547	113	81485	47.95	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.90%		
50) Toluene-d8	10.058	98	352851	52.82	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.64%		
62) 4-Bromofluorobenzene	12.373	95	115116	47.85	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.70%		
Target Compounds						
					Qvalue	
16) Acetone	3.779	43	14770	16.88	ug/l	98
18) Methyl Acetate	4.280	43	1084	0.44	ug/l #	51
20) Methylene Chloride	4.496	84	9793	4.04	ug/l	93
25) 2-Butanone	6.811	43	1959	1.43	ug/l	93
29) Tetrahydrofuran	7.174	42	220	0.22	ug/l #	32
31) Cyclohexane	7.621	56	2922	0.69	ug/l #	1
36) 1,1-Dichloropropene	7.621	75	12452	4.31	ug/l #	47
38) Carbon Tetrachloride	7.624	117	15310	6.44	ug/l #	17
43) Isopropyl Acetate	8.129	43	12521	2.55	ug/l #	89
45) 1,2-Dichloropropane	9.235	63	875	0.36	ug/l #	44
48) Methyl methacrylate	9.145	41	3177	1.36	ug/l #	10
51) 4-Methyl-2-Pentanone	9.952	43	3455	1.28	ug/l	96
54) cis-1,3-Dichloropropene	9.872	75	25345	6.80	ug/l #	56
56) Ethyl methacrylate	10.193	69	1423	0.43	ug/l	95
57) 1,3-Dichloropropane	10.733	76	14238	4.06	ug/l #	43
59) 2-Hexanone	10.733	43	181121	96.39	ug/l #	52
74) N-amyl acetate	12.129	43	728	0.21	ug/l #	42
76) 1,2,3-Trichloropropane	12.373	75	51384	20.80	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.704	105	3049	0.43	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.373	75	51384	53.28	ug/l #	12

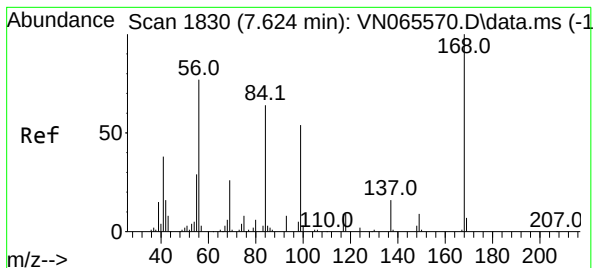
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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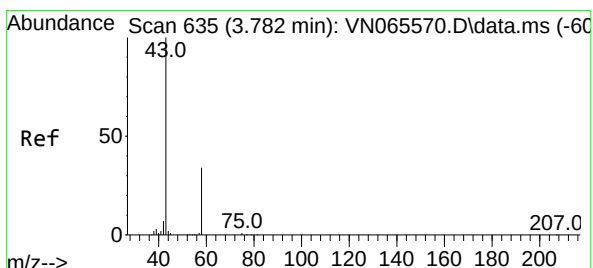
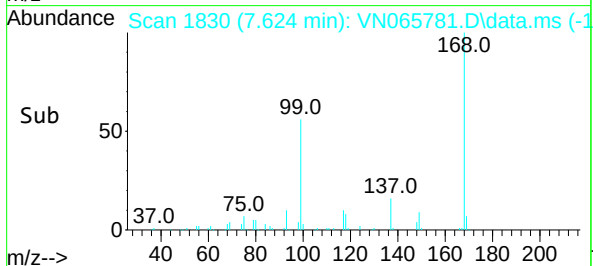
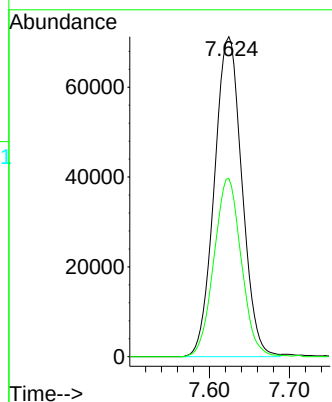
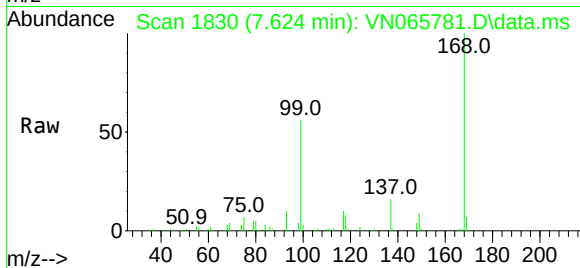




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

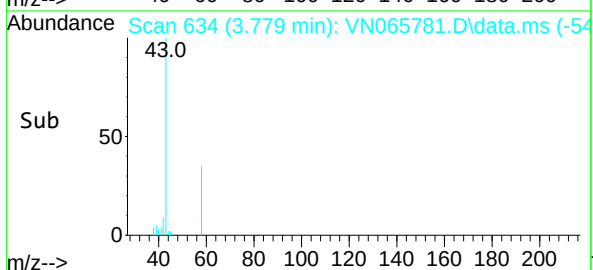
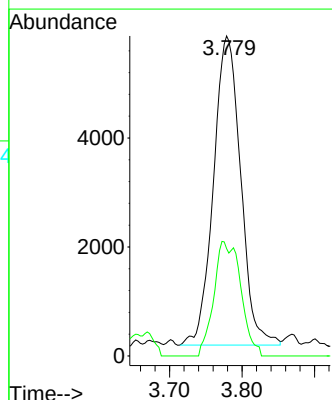
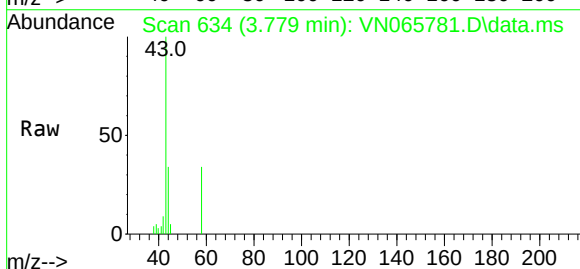
Instrument :
MSVOA_N
ClientSampled :

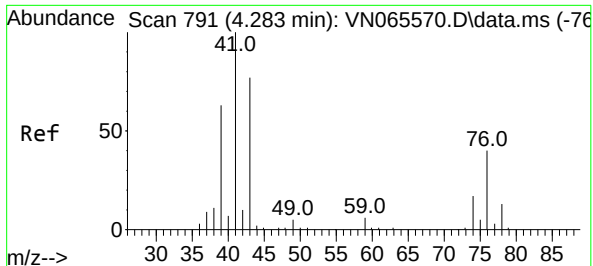
Tgt Ion:168 Resp: 170868
Ion Ratio Lower Upper
168 100
99 55.7 42.6 63.8



#16
Acetone
Concen: 16.88 ug/l
RT: 3.779 min Scan# 634
Delta R.T. -0.003 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

Tgt Ion: 43 Resp: 14770
Ion Ratio Lower Upper
43 100
58 34.7 27.0 40.6





#18

Methyl Acetate

Concen: 0.44 ug/l

RT: 4.280 min Scan# 790

Delta R.T. -0.003 min

Lab File: VN065781.D

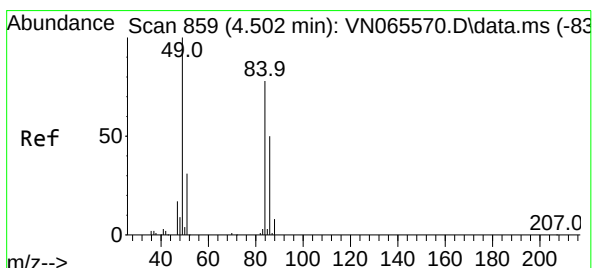
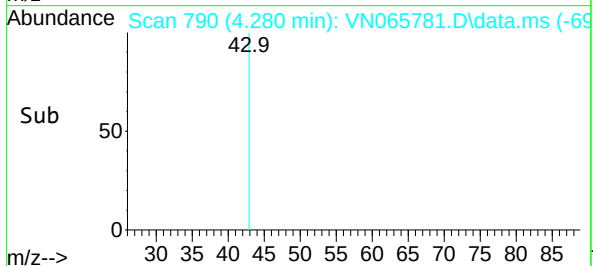
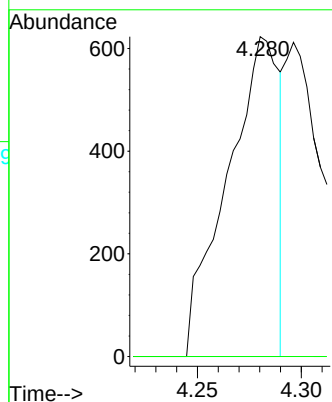
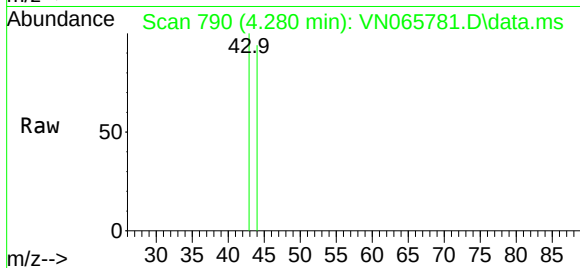
Acq: 9 Feb 2021 15:34

Tgt Ion: 43 Resp: 1084

Ion Ratio Lower Upper

43 100

74 0.0 19.5 29.3#



#20

Methylene Chloride

Concen: 4.04 ug/l

RT: 4.496 min Scan# 857

Delta R.T. -0.006 min

Lab File: VN065781.D

Acq: 9 Feb 2021 15:34

Tgt Ion: 84 Resp: 9793

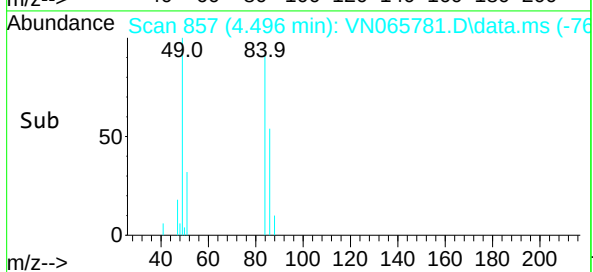
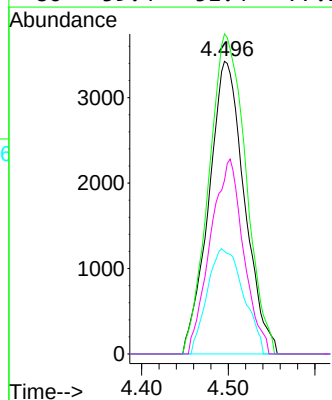
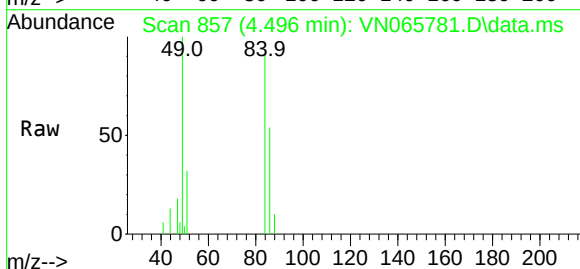
Ion Ratio Lower Upper

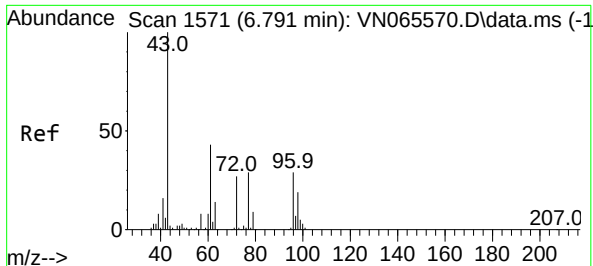
84 100

49 109.3 94.6 141.8

51 35.0 29.9 44.9

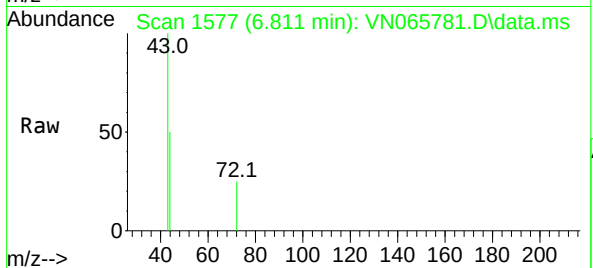
86 59.4 51.4 77.2



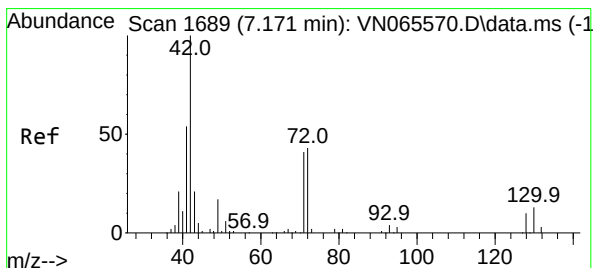
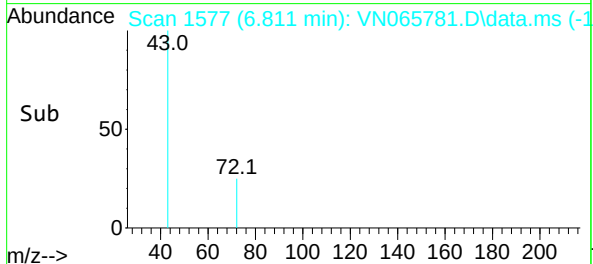
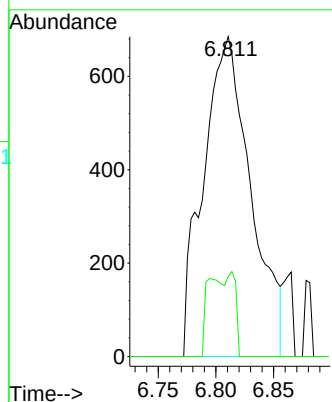


#25
2-Butanone
Concen: 1.43 ug/l
RT: 6.811 min Scan# 1577
Delta R.T. 0.020 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

Instrument :
MSVOA_N
ClientSampled :

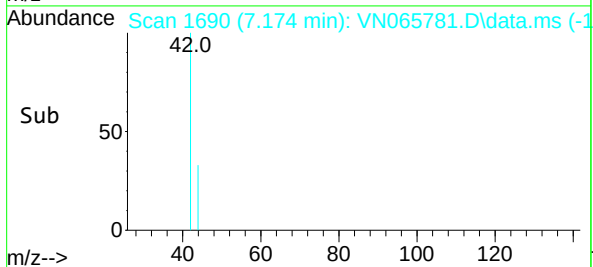
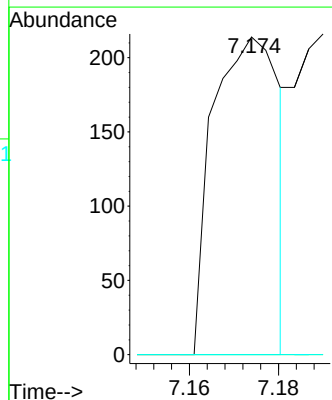
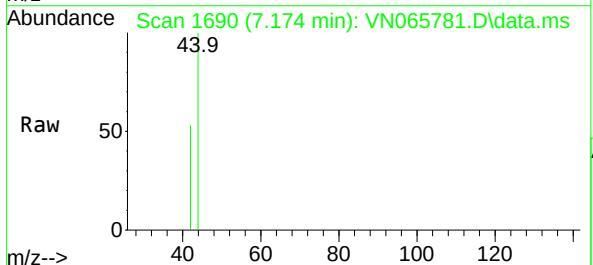


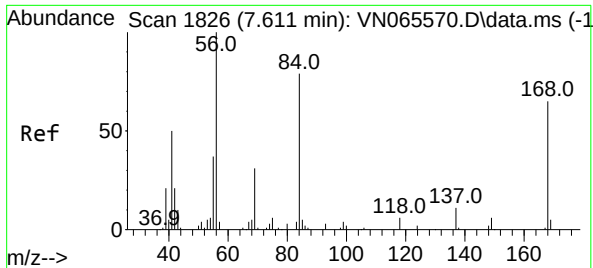
Tgt Ion: 43 Resp: 1959
Ion Ratio Lower Upper
43 100
72 25.0 23.1 34.7



#29
Tetrahydrofuran
Concen: 0.22 ug/l
RT: 7.174 min Scan# 1690
Delta R.T. 0.003 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

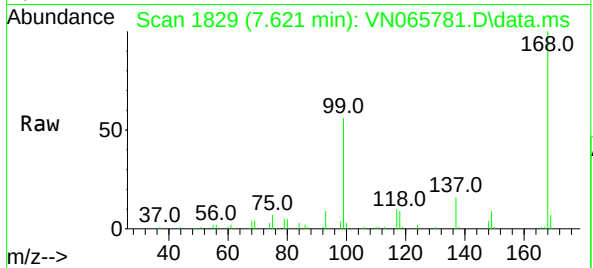
Tgt Ion: 42 Resp: 220
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#



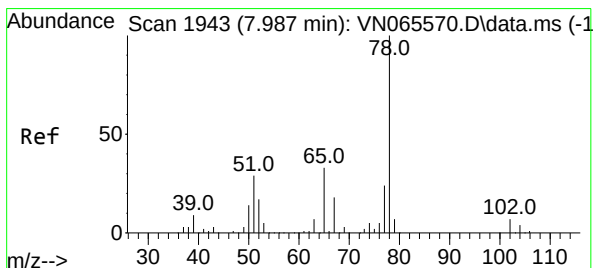
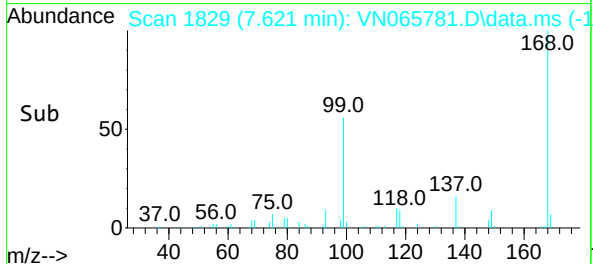
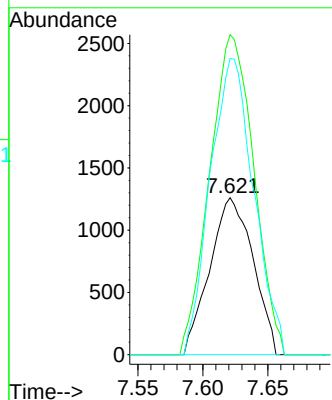


#31
Cyclohexane
Concen: 0.69 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. 0.010 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

Instrument :
MSVOA_N
ClientSampled :

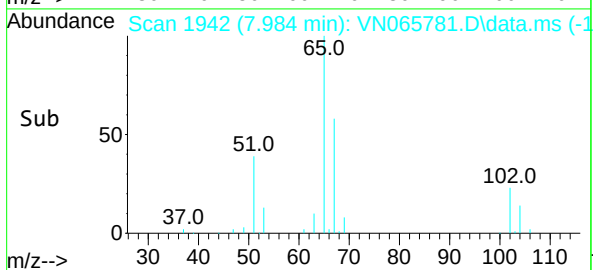
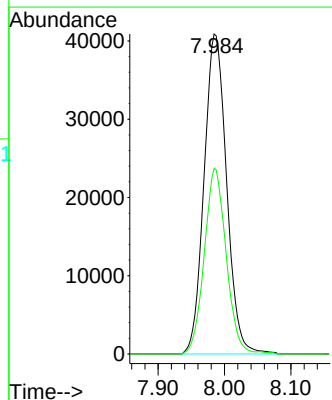
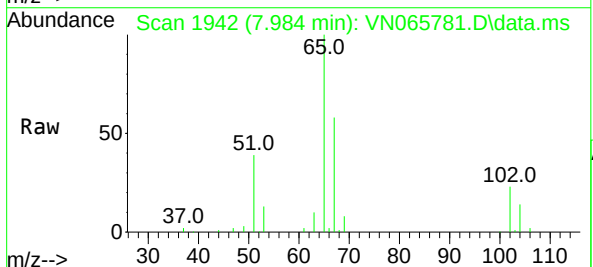


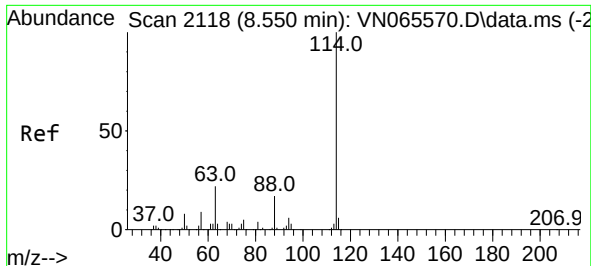
Tgt Ion: 56 Resp: 2922
Ion Ratio Lower Upper
56 100
69 203.8 26.6 39.8#
84 188.7 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 43.01 ug/l
RT: 7.984 min Scan# 1942
Delta R.T. -0.003 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

Tgt Ion: 65 Resp: 96694
Ion Ratio Lower Upper
65 100
67 56.5 0.0 107.2

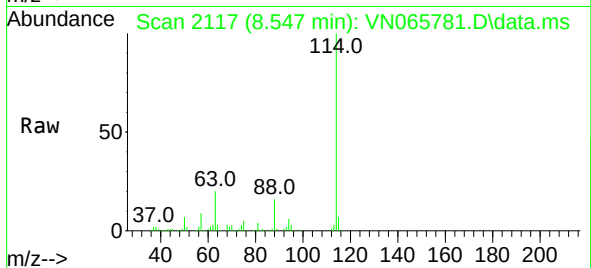




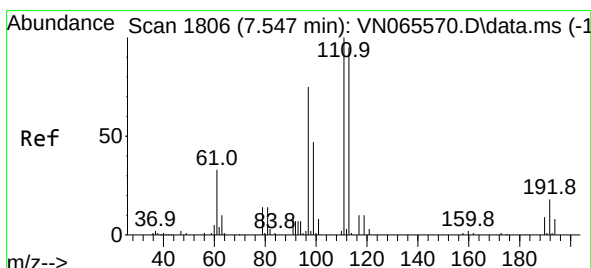
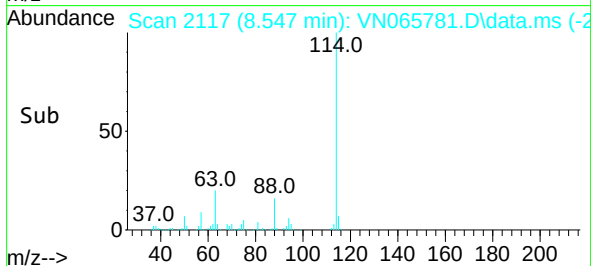
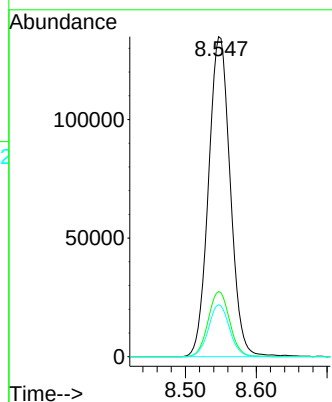
#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

Instrument :
MSVOA_N
ClientSampled :



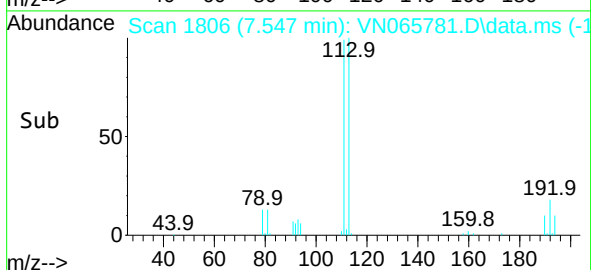
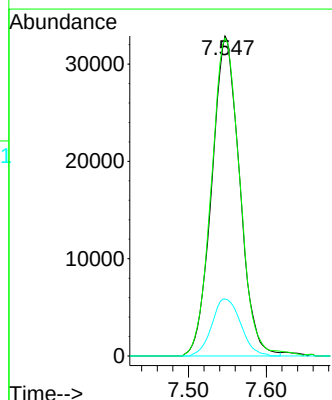
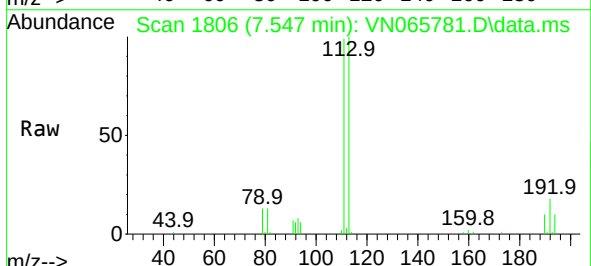
Tgt Ion:	114	Resp:	286794
Ion Ratio	Lower	Upper	
114	100		
63	20.4	0.0	38.6
88	16.3	0.0	30.6

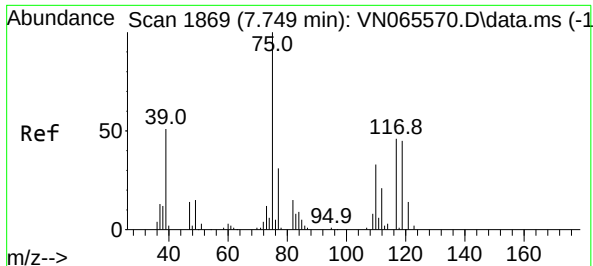


#35

Dibromofluoromethane
Concen: 47.95 ug/l
RT: 7.547 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

Tgt Ion:	113	Resp:	81485
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.2	123.2
192	18.5	15.4	23.0

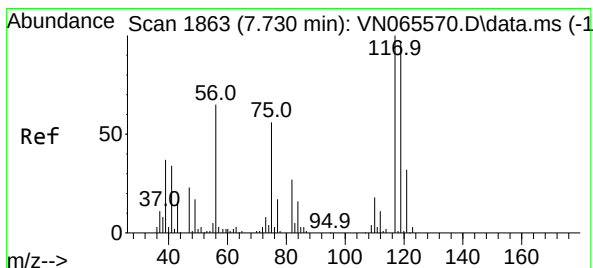
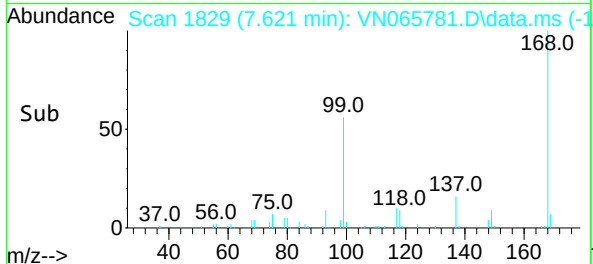
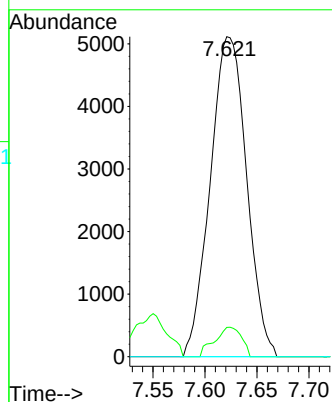
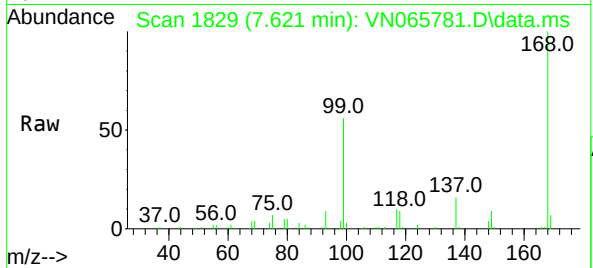




#36
1,1-Dichloropropene
Concen: 4.31 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.128 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

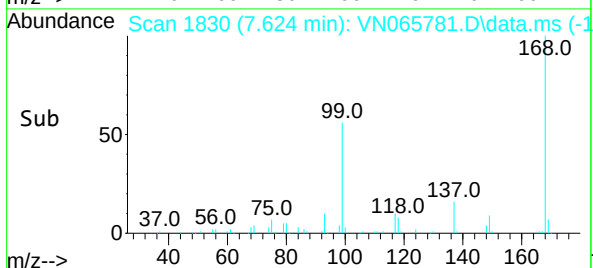
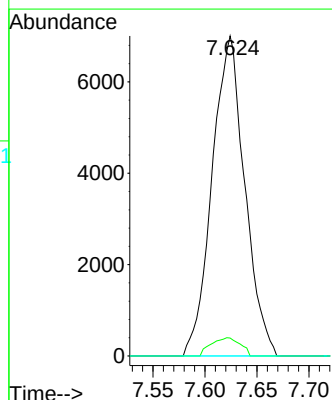
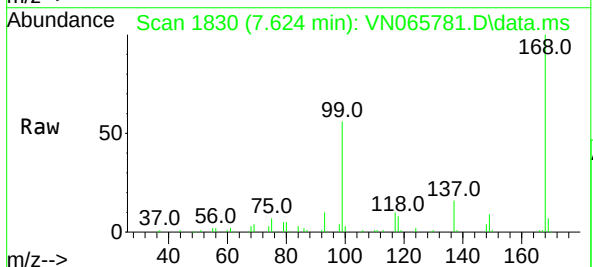
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MSVOA_N
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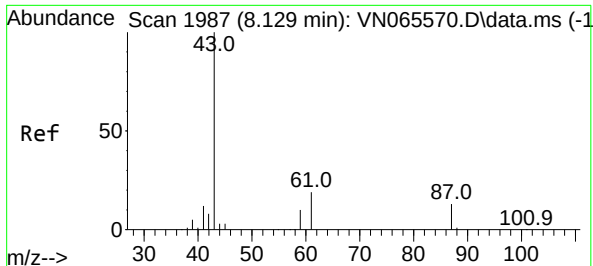
Tgt Ion: 75 Resp: 12452
Ion Ratio Lower Upper
75 100
110 6.8 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.44 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.106 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

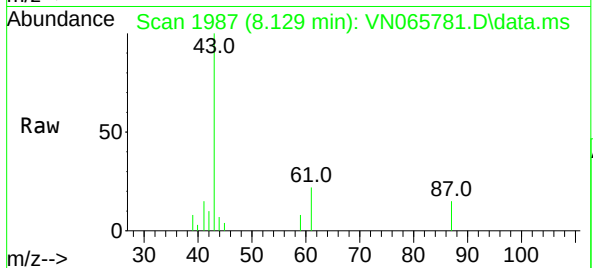
Tgt Ion: 117 Resp: 15310
Ion Ratio Lower Upper
117 100
119 5.6 76.0 114.0#
121 0.0 24.5 36.7#



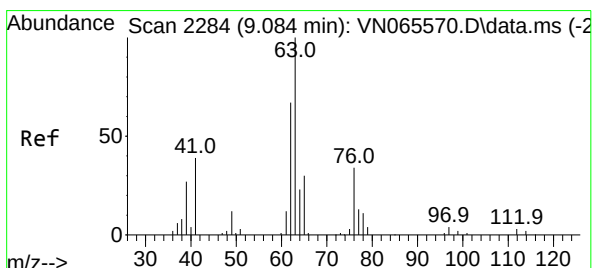
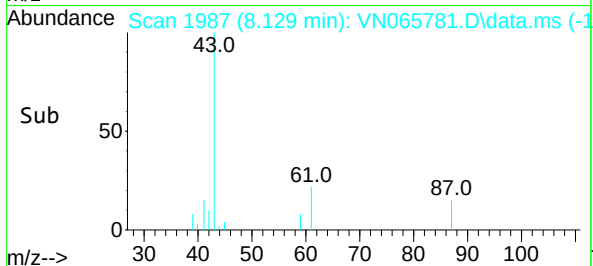
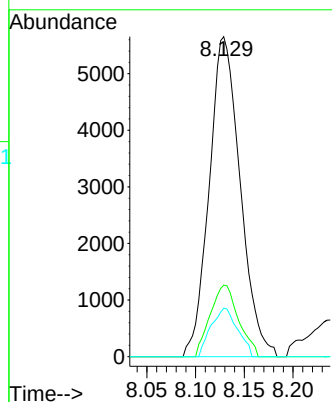


#43
Isopropyl Acetate
Concen: 2.55 ug/l
RT: 8.129 min Scan# 1987
Delta R.T. -0.000 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

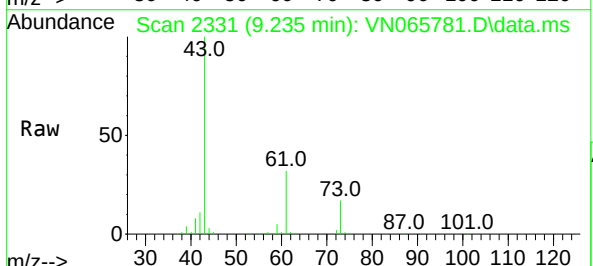
Instrument :
MSVOA_N
ClientSampleId :



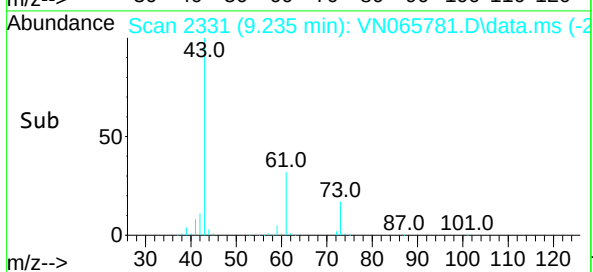
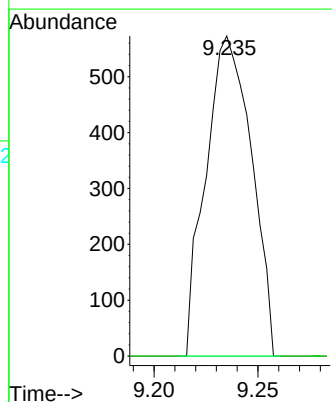
Tgt Ion: 43 Resp: 12521
Ion Ratio Lower Upper
43 100
61 20.4 22.5 33.7#
87 12.9 11.1 16.7

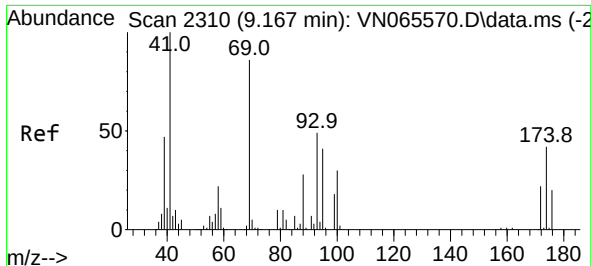


#45
1,2-Dichloropropane
Concen: 0.36 ug/l
RT: 9.235 min Scan# 2331
Delta R.T. 0.151 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34



Tgt Ion: 63 Resp: 875
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

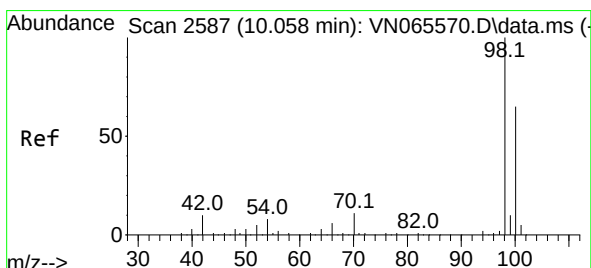
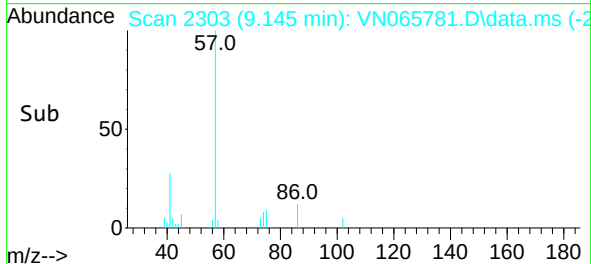
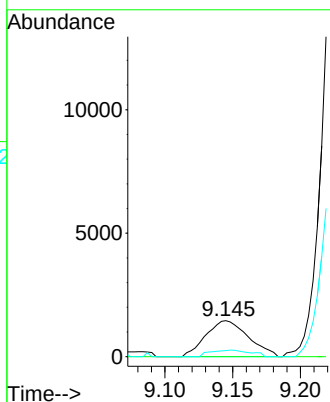
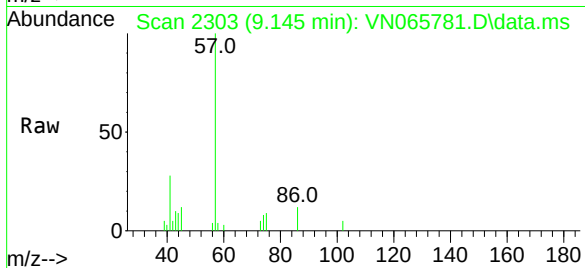




#48
Methyl methacrylate
Concen: 1.36 ug/l
RT: 9.145 min Scan# 2303
Delta R.T. -0.022 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

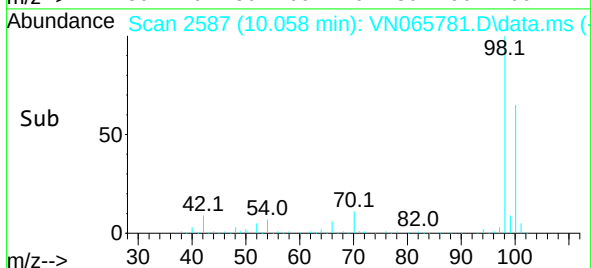
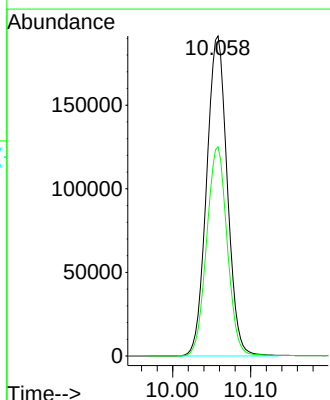
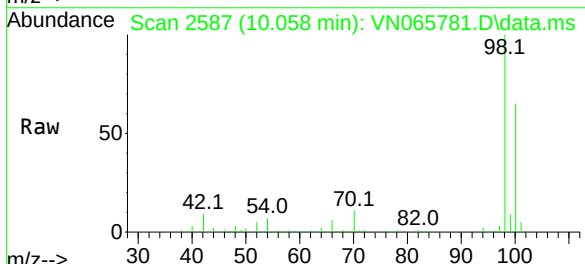
Instrument :
MSVOA_N
ClientSampled :

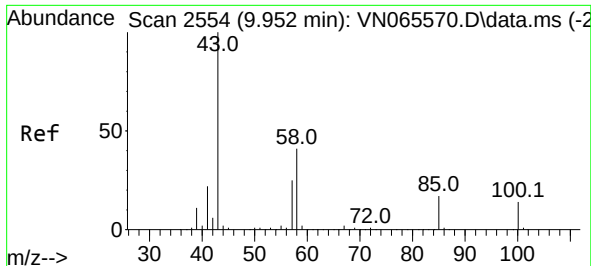
Tgt Ion: 41 Resp: 3177
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 52.82 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

Tgt Ion: 98 Resp: 352851
Ion Ratio Lower Upper
98 100
100 65.1 50.5 75.7

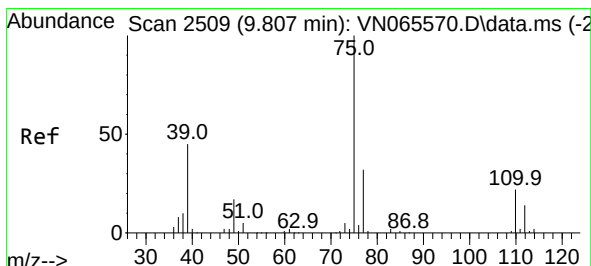
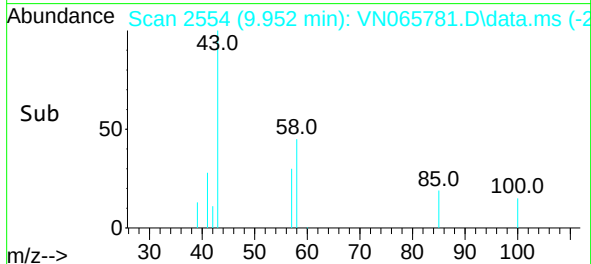
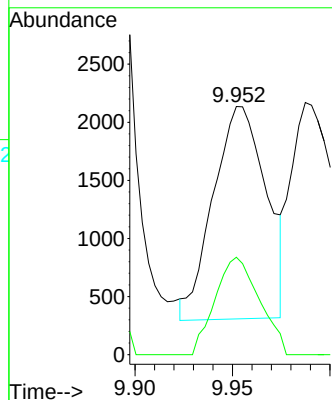
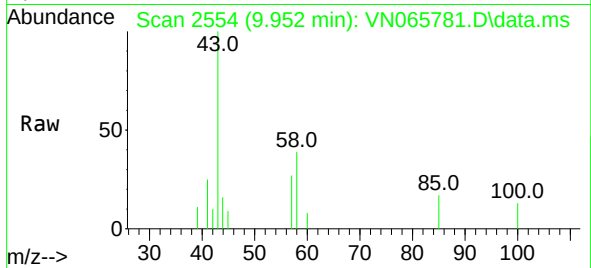




#51
4-Methyl-2-Pentanone
Concen: 1.28 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. -0.000 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

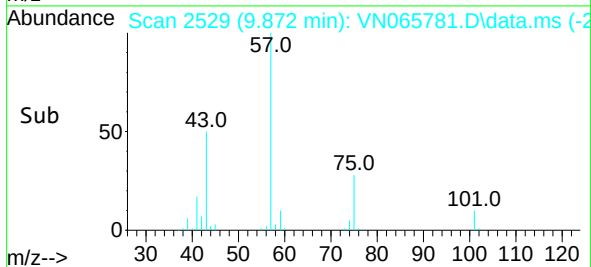
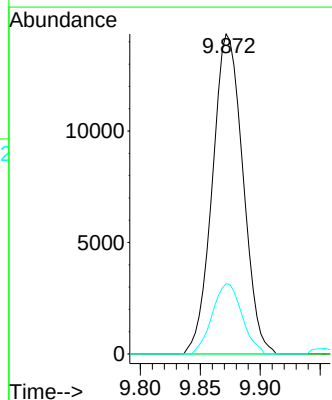
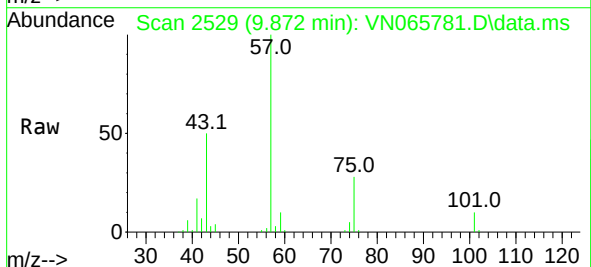
Instrument :
MSVOA_N
ClientSampled :

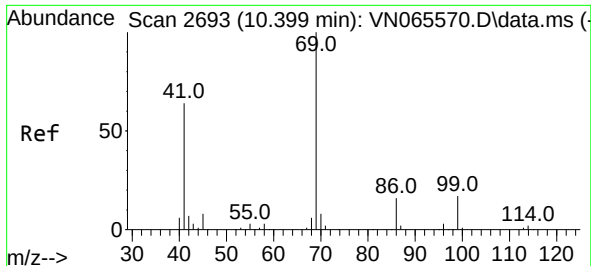
Tgt Ion: 43 Resp: 3455
Ion Ratio Lower Upper
43 100
58 38.4 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 6.80 ug/l
RT: 9.872 min Scan# 2529
Delta R.T. 0.065 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

Tgt Ion: 75 Resp: 25345
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 21.9 36.2 54.4#

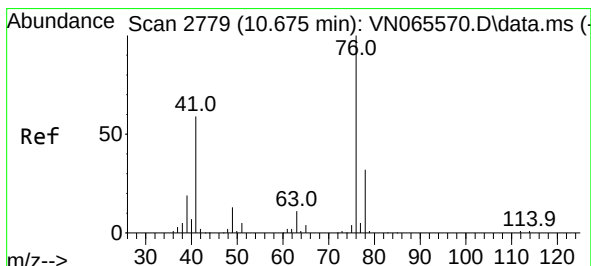
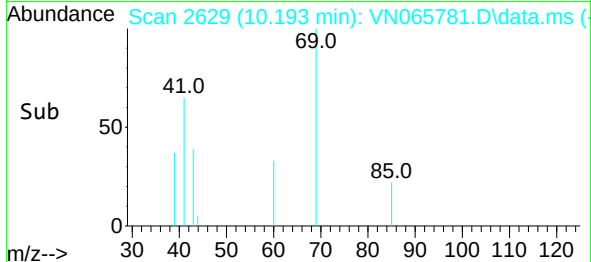
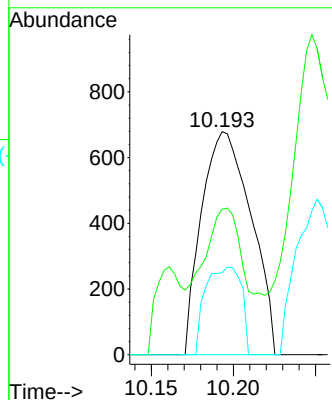
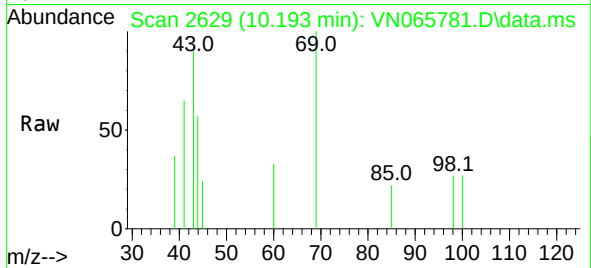




#56
Ethyl methacrylate
Concen: 0.43 ug/l
RT: 10.193 min Scan# 2629
Delta R.T. -0.206 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

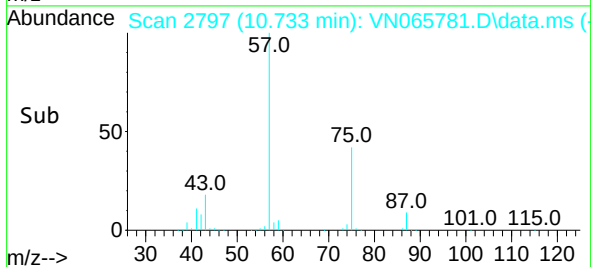
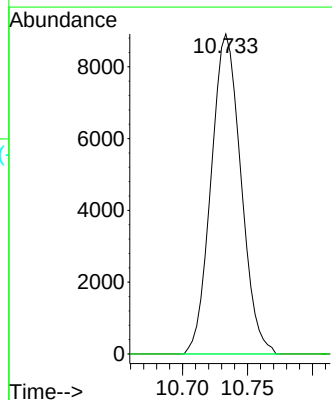
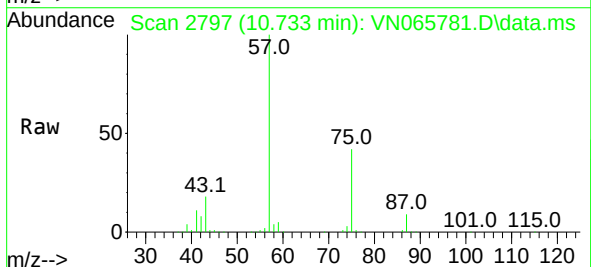
Instrument :
MSVOA_N
ClientSampled :

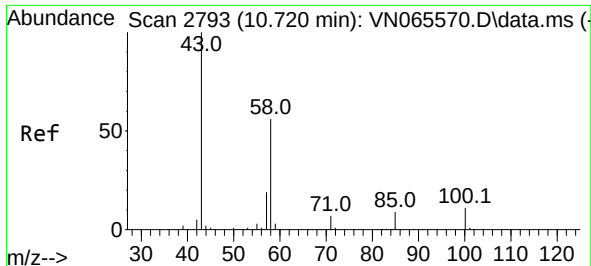
Tgt Ion: 69 Resp: 1423
Ion Ratio Lower Upper
69 100
41 60.9 49.6 74.4
39 28.3 28.0 42.0



#57
1,3-Dichloropropane
Concen: 4.06 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.058 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

Tgt Ion: 76 Resp: 14238
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

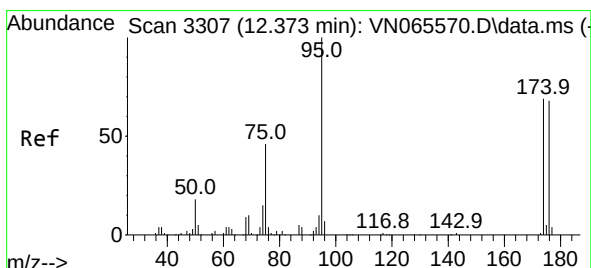
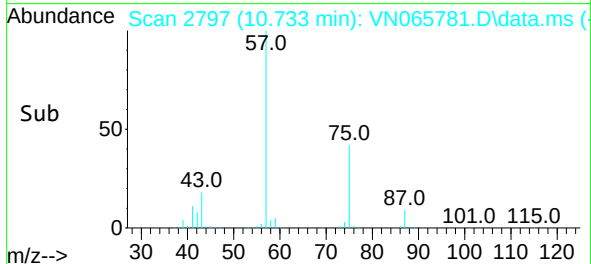
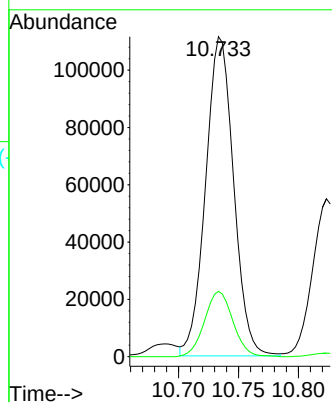
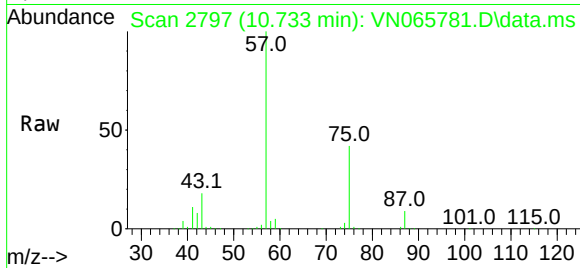




#59
2-Hexanone
Concen: 96.39 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.013 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

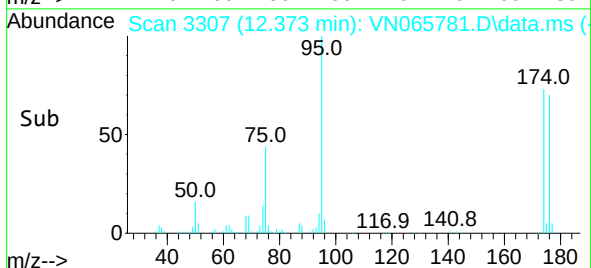
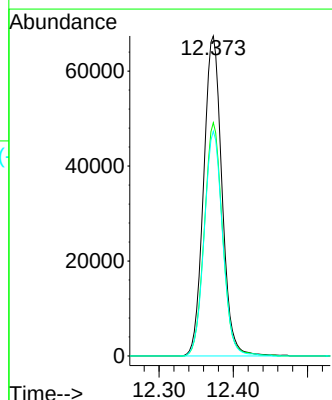
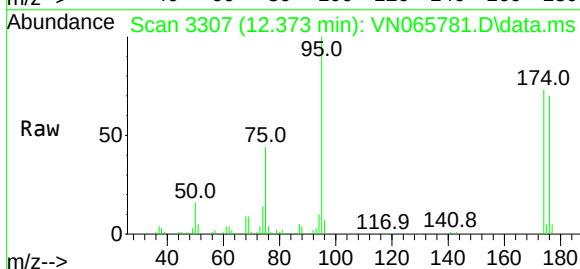
Instrument :
MSVOA_N
ClientSampled :

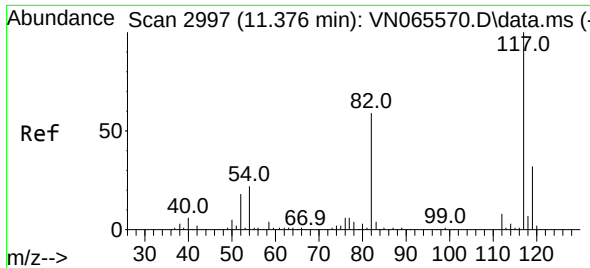
Tgt Ion: 43 Resp: 181121
Ion Ratio Lower Upper
43 100
58 20.7 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 47.85 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

Tgt Ion: 95 Resp: 115116
Ion Ratio Lower Upper
95 100
174 72.7 0.0 169.0
176 70.6 0.0 162.4

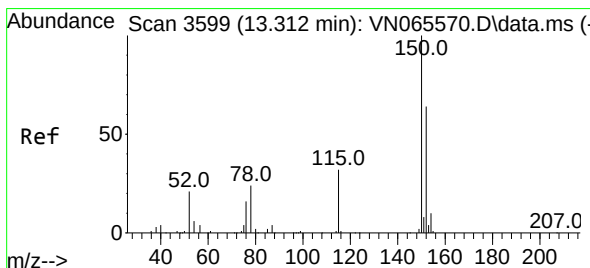
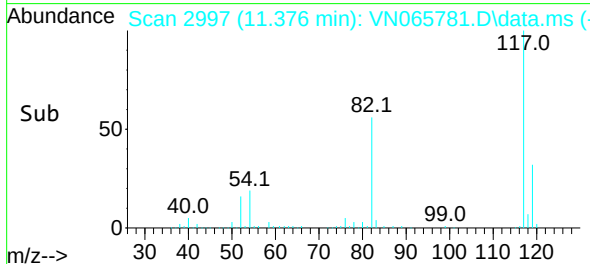
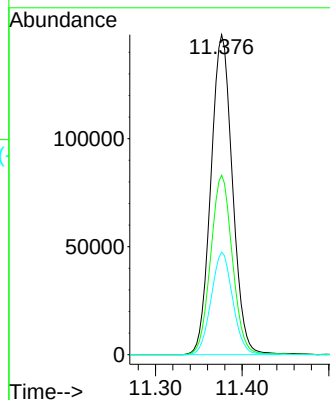
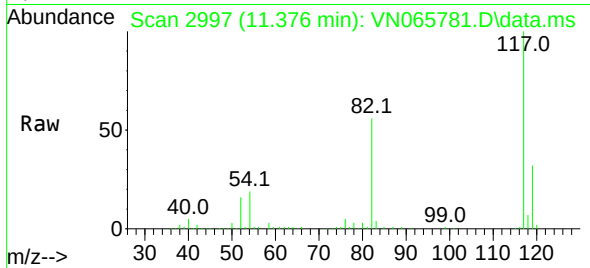




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

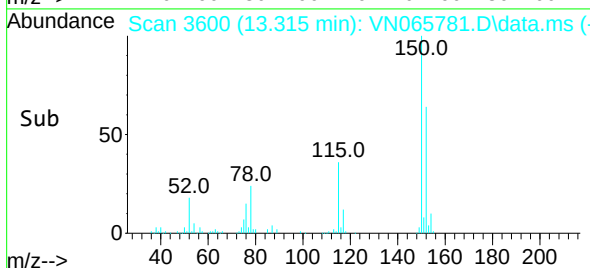
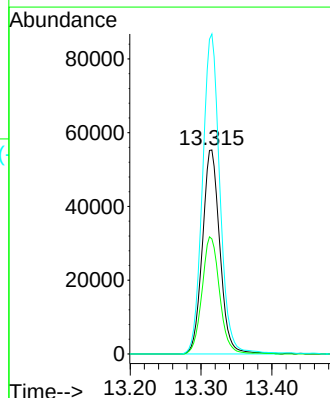
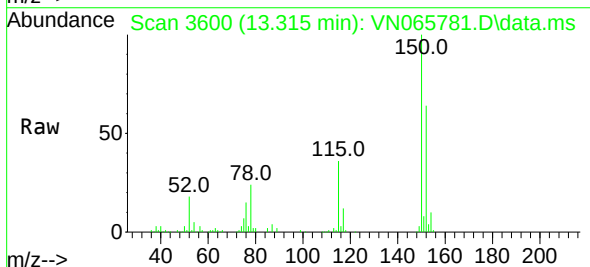
Instrument :
MSVOA_N
ClientSampled :

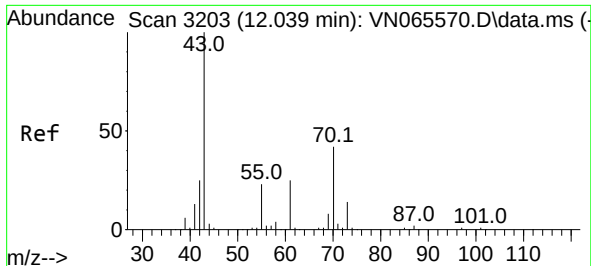
Tgt Ion:117 Resp: 256326
Ion Ratio Lower Upper
117 100
82 56.1 43.7 65.5
119 32.1 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

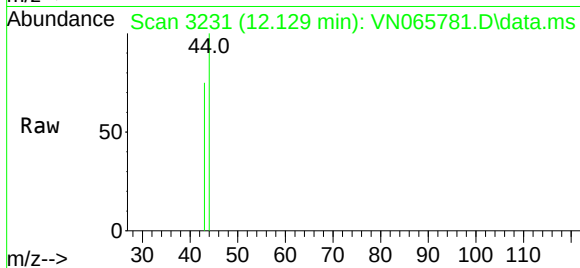
Tgt Ion:152 Resp: 94458
Ion Ratio Lower Upper
152 100
115 57.7 28.5 85.6
150 156.6 0.0 347.6



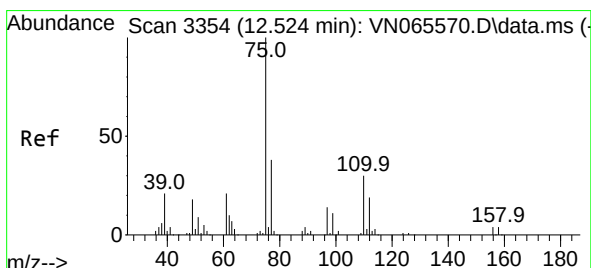
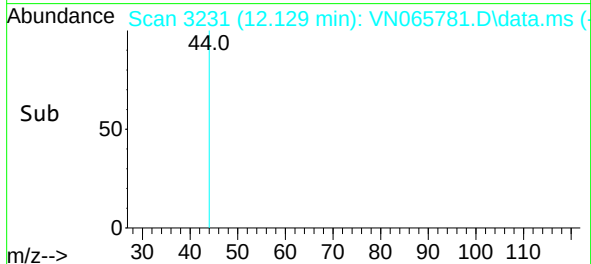
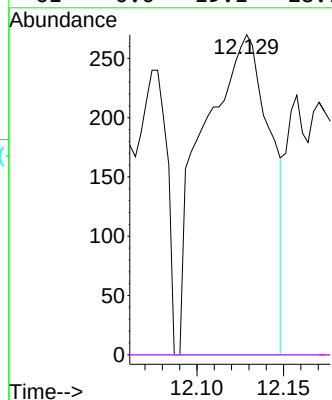


#74
N-amy1 acetate
Concen: 0.21 ug/l
RT: 12.129 min Scan# 3231
Delta R.T. 0.090 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

Instrument :
MSVOA_N
ClientSampled :

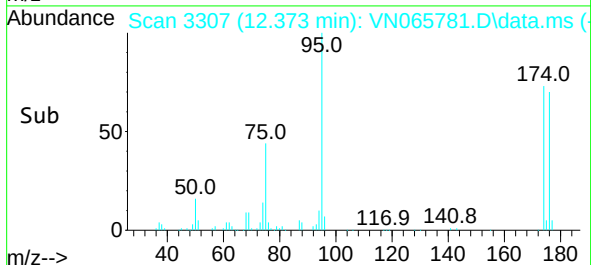
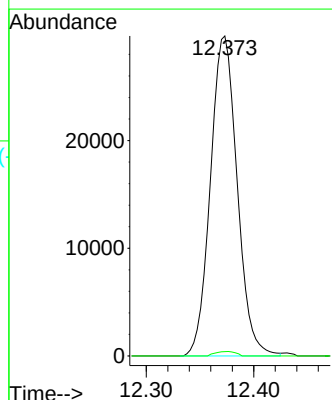
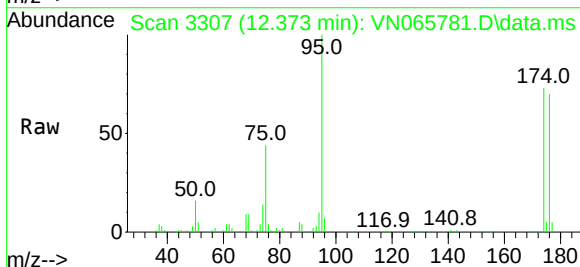


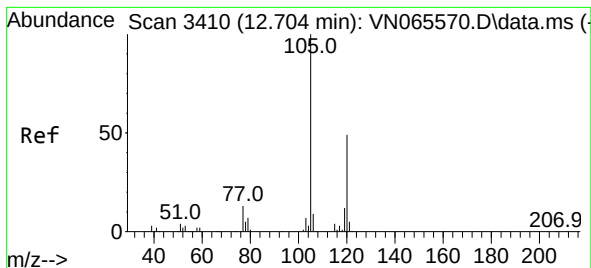
Tgt Ion: 43 Resp: 728
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 0.0 20.7 31.1#
61 0.0 19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 20.80 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

Tgt Ion: 75 Resp: 51384
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

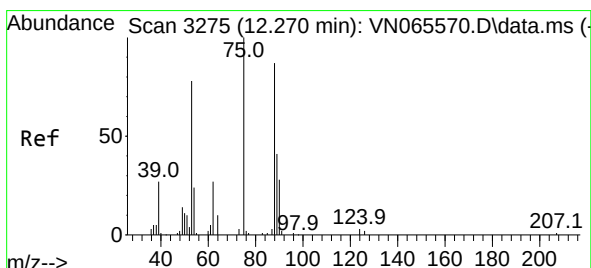
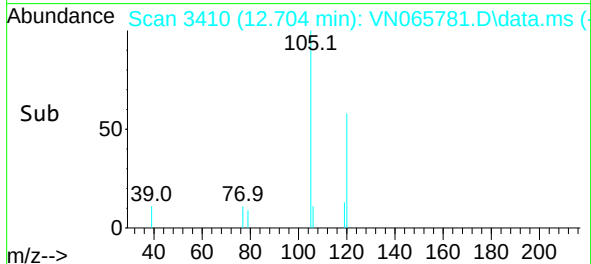
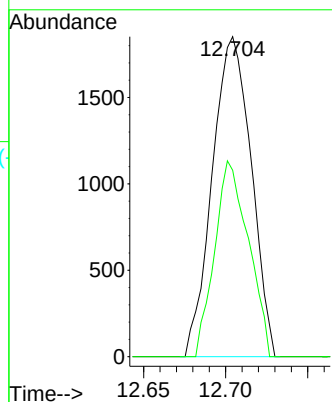
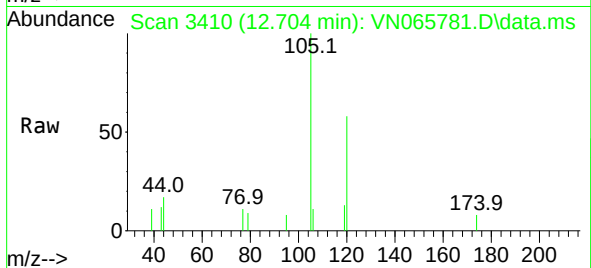




#80
1,3,5-Trimethylbenzene
Concen: 0.43 ug/l
RT: 12.704 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:105 Resp: 3049
Ion Ratio Lower Upper
105 100
120 53.1 24.3 72.8



#81
trans-1,4-Dichloro-2-butene
Concen: 53.28 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065781.D
Acq: 9 Feb 2021 15:34

Tgt Ion: 75 Resp: 51384
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

