

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012621\
 Data File : VN065607.D
 Acq On : 26 Jan 2021 16:27
 Operator : JC/MD
 Sample : PB134336TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 27 03:29:56 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)

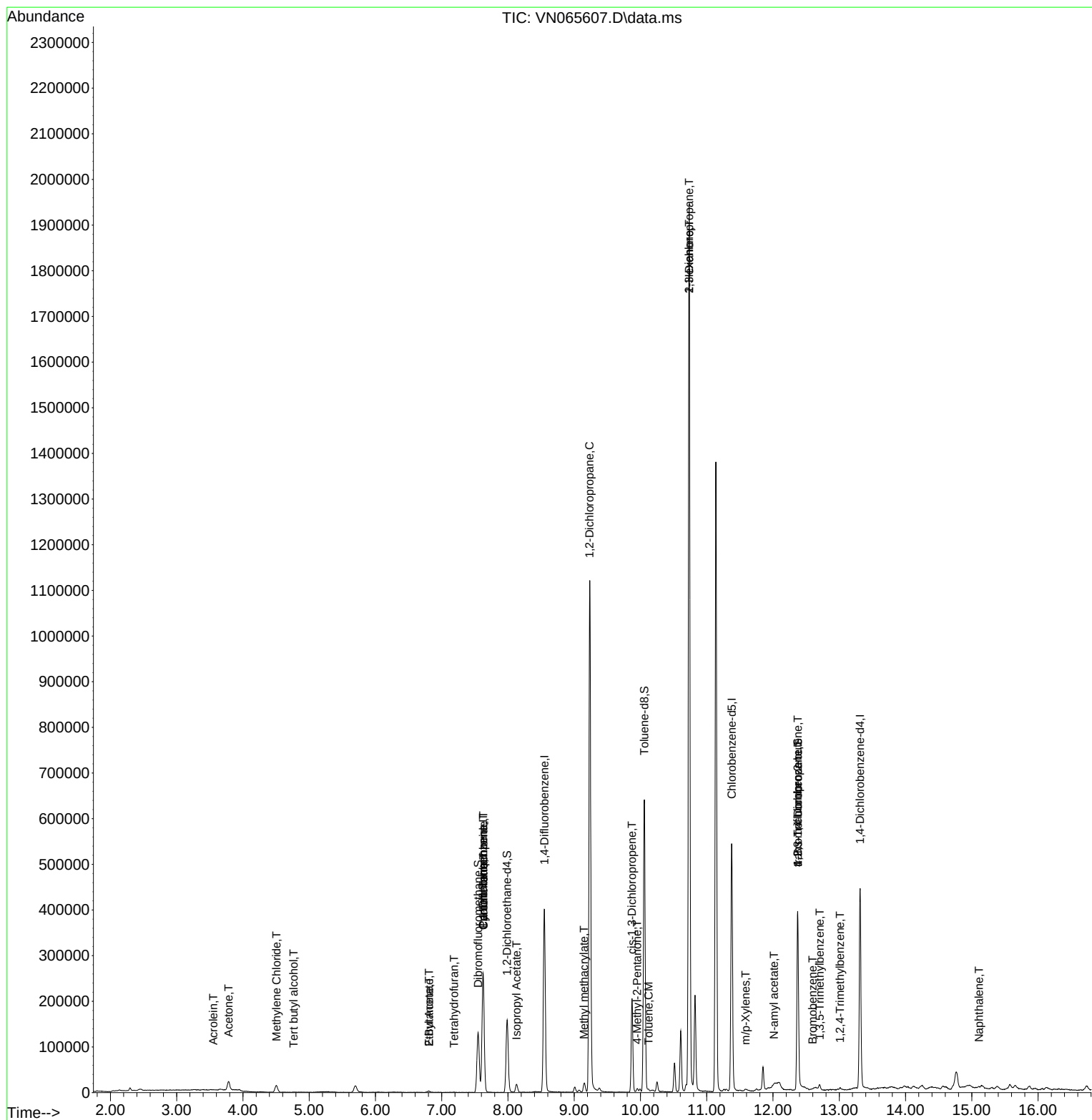
Internal Standards						
1) Pentafluorobenzene	7.624	168	211048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	367549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	321539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	123301	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	136078	49.01	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.02%		
35) Dibromofluoromethane	7.550	113	107851	49.52	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.04%		
50) Toluene-d8	10.058	98	458052	53.50	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.00%		
62) 4-Bromofluorobenzene	12.373	95	154630	50.16	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.32%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.766	59	431	0.83	ug/l #	73
13) Acrolein	3.554	56	253	18.61	ug/l #	41
16) Acetone	3.782	43	30385	28.11	ug/l	99
20) Methylene Chloride	4.505	84	11044	3.69	ug/l	95
25) 2-Butanone	6.807	43	5072	2.99	ug/l	96
29) Tetrahydrofuran	7.187	42	360	0.29	ug/l #	38
31) Cyclohexane	7.627	56	4572	0.88	ug/l #	1
36) 1,1-Dichloropropene	7.624	75	17823	4.82	ug/l #	47
37) Ethyl Acetate	6.807	43	5072	1.43	ug/l #	68
38) Carbon Tetrachloride	7.627	117	20472	6.72	ug/l #	17
43) Isopropyl Acetate	8.129	43	22269	3.54	ug/l #	90
45) 1,2-Dichloropropane	9.232	63	1379	0.44	ug/l #	44
48) Methyl methacrylate	9.145	41	4759	1.59	ug/l #	10
51) 4-Methyl-2-Pentanone	9.949	43	5505	1.59	ug/l	95
52) Toluene	10.122	92	1769	0.26	ug/l	93
54) cis-1,3-Dichloropropene	9.872	75	39186	8.20	ug/l #	57
57) 1,3-Dichloropropane	10.733	76	20723	4.61	ug/l #	43
59) 2-Hexanone	10.733	43	281525	116.90	ug/l #	50
68) m/p-Xylenes	11.585	106	1367	0.30	ug/l #	73
74) N-amyl acetate	12.016	43	2756	0.60	ug/l #	51
76) 1,2,3-Trichloropropane	12.373	75	73662	22.85	ug/l #	100
77) Bromobenzene	12.598	156	1460	0.62	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.704	105	5796	0.63	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.373	75	73662	58.52	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.013	105	2468	0.27	ug/l	82
95) Naphthalene	15.109	128	1803	3.66	ug/l #	82

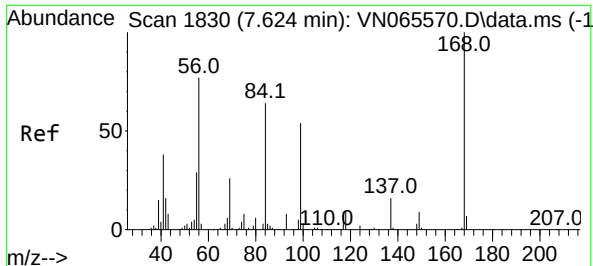
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 25 13:47:28 2021
Response via : Initial Calibration

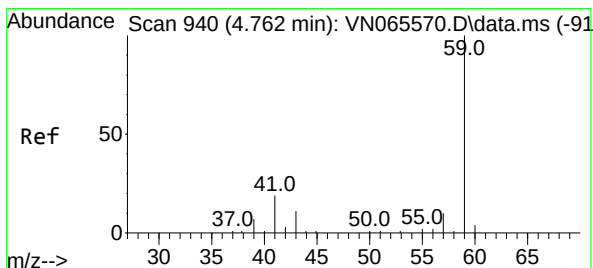
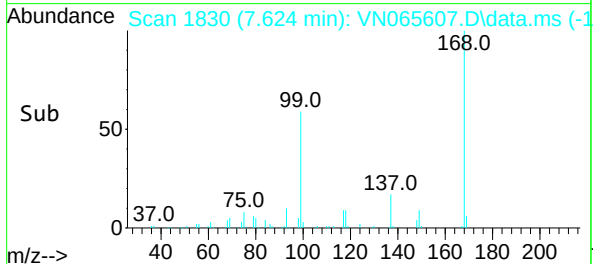
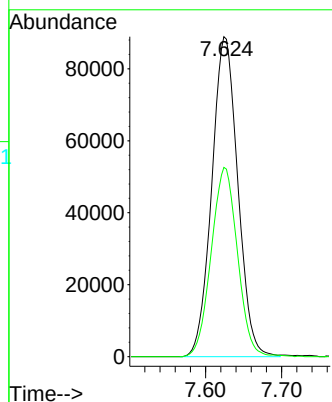
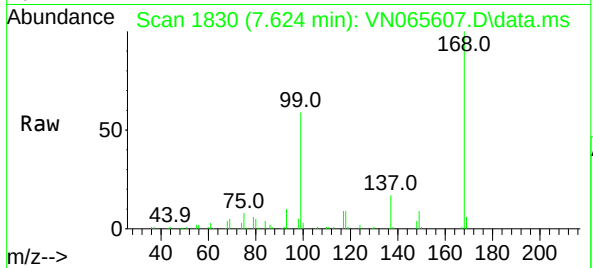




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

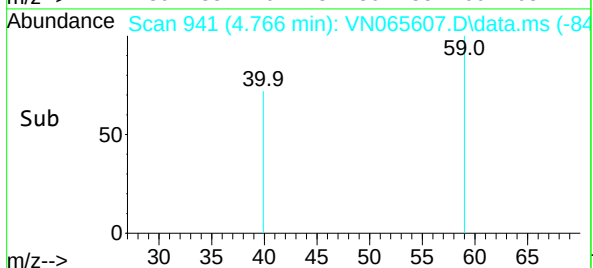
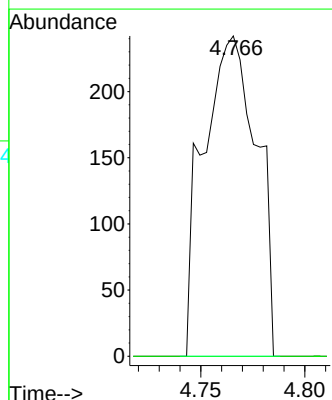
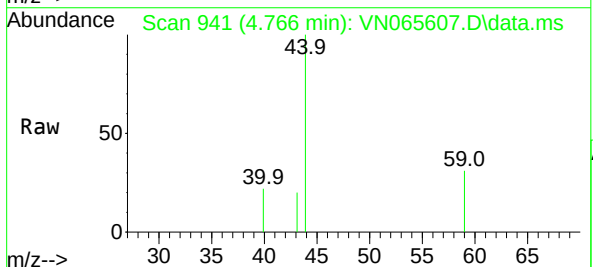
Instrument :
MSVOA_N
ClientSampled :

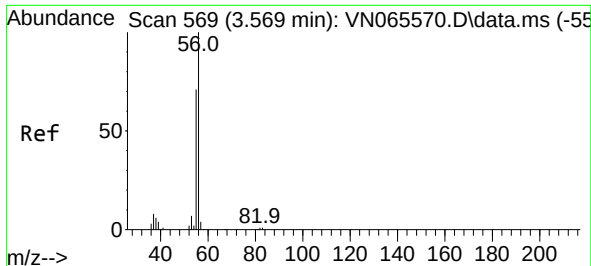
Tgt Ion:168 Resp: 211048
Ion Ratio Lower Upper
168 100
99 59.1 42.6 63.8



#11
Tert butyl alcohol
Concen: 0.83 ug/l
RT: 4.766 min Scan# 941
Delta R.T. 0.004 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

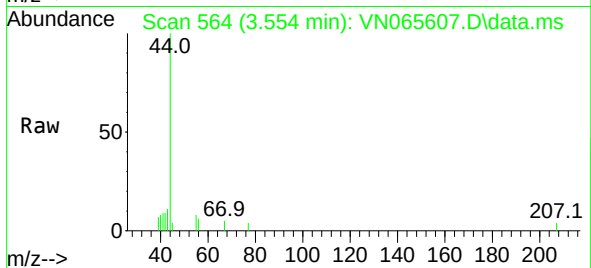
Tgt Ion: 59 Resp: 431
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



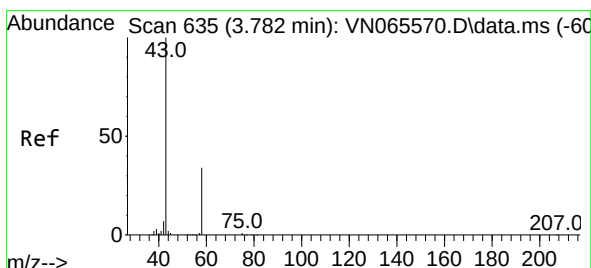
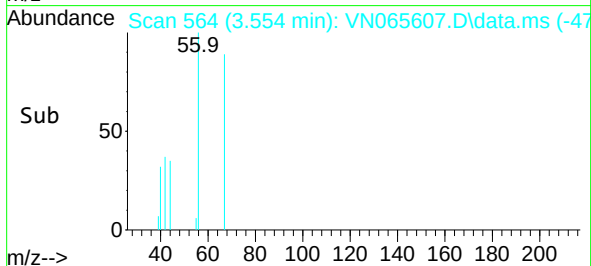
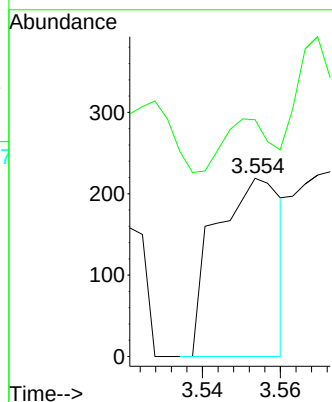


#13
Acrolein
Concen: 18.61 ug/l
RT: 3.554 min Scan# 564
Delta R.T. -0.015 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

Instrument :
MSVOA_N
ClientSampled :

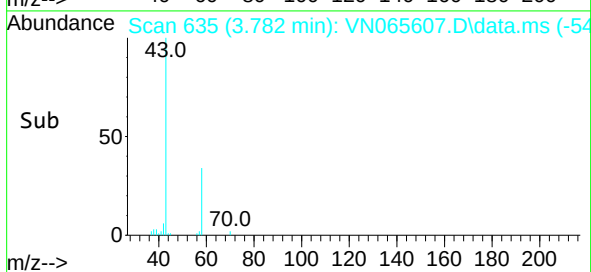
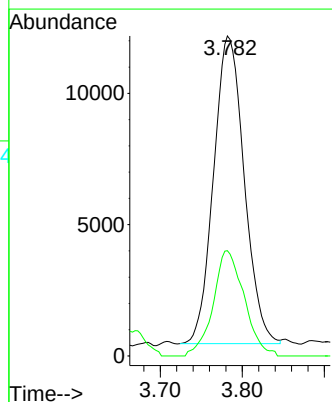
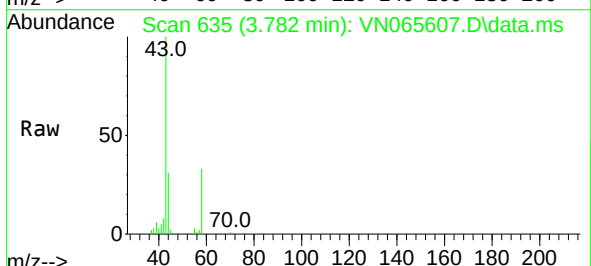


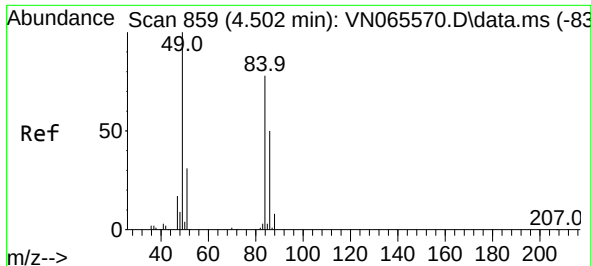
Tgt Ion: 56 Resp: 253
Ion Ratio Lower Upper
56 100
55 21.3 56.0 84.0#



#16
Acetone
Concen: 28.11 ug/l
RT: 3.782 min Scan# 635
Delta R.T. -0.000 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

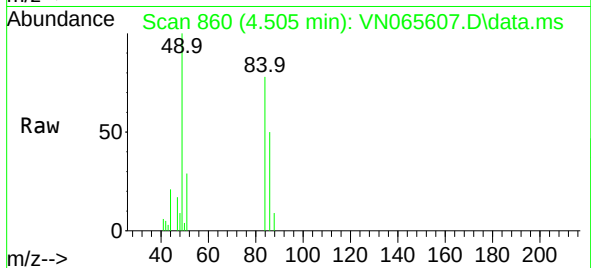
Tgt Ion: 43 Resp: 30385
Ion Ratio Lower Upper
43 100
58 34.2 27.0 40.6



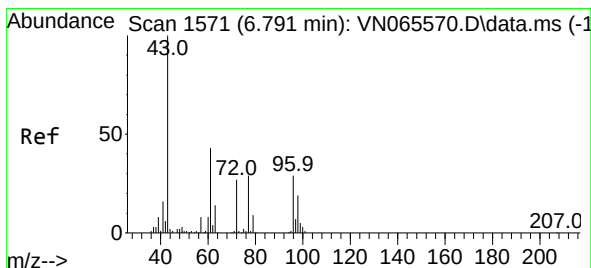
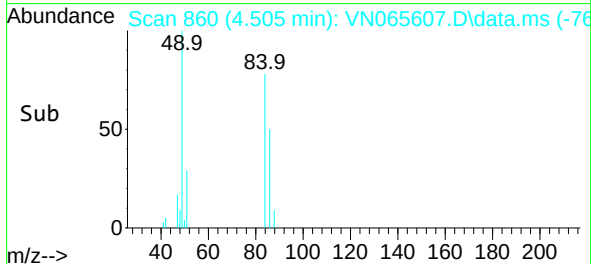
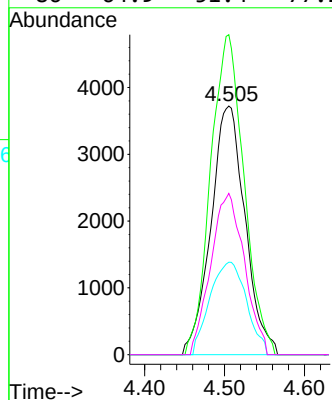


#20
Methylene Chloride
Concen: 3.69 ug/l
RT: 4.505 min Scan# 860
Delta R.T. 0.003 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

Instrument :
MSVOA_N
ClientSampled :

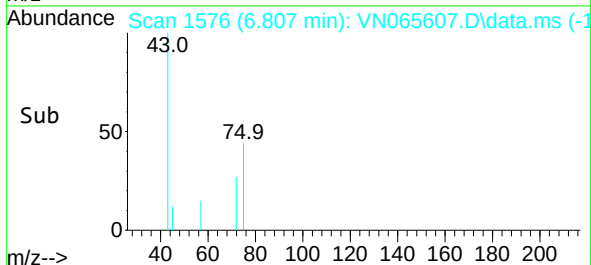
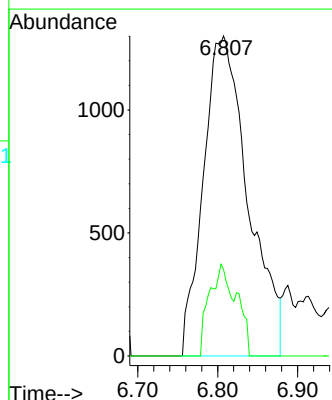
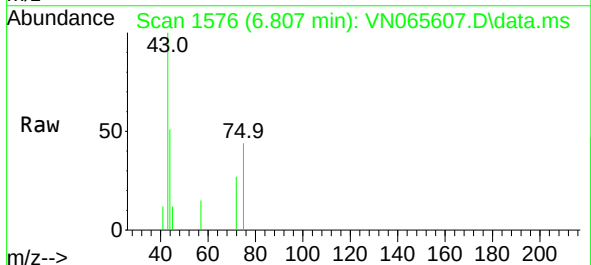


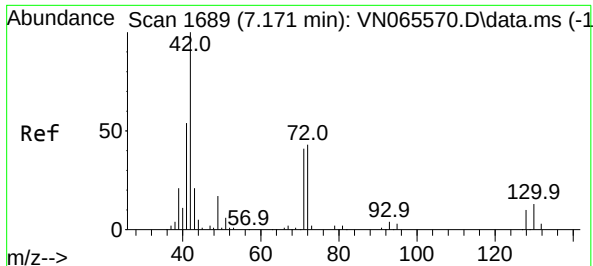
Tgt Ion:	84	Resp:	11044
Ion	Ratio	Lower	Upper
84	100		
49	128.7	94.6	141.8
51	37.2	29.9	44.9
86	64.9	51.4	77.2



#25
2-Butanone
Concen: 2.99 ug/l
RT: 6.807 min Scan# 1576
Delta R.T. 0.016 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

Tgt Ion:	43	Resp:	5072
Ion	Ratio	Lower	Upper
43	100		
72	27.0	23.1	34.7





#29

Tetrahydrofuran

Concen: 0.29 ug/l

RT: 7.187 min Scan# 1694

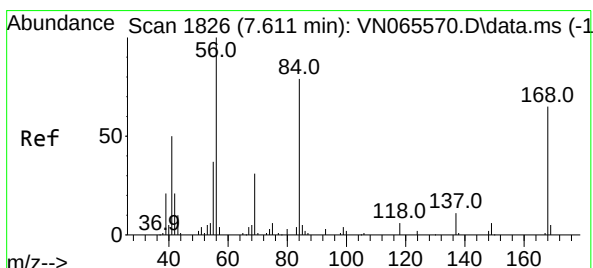
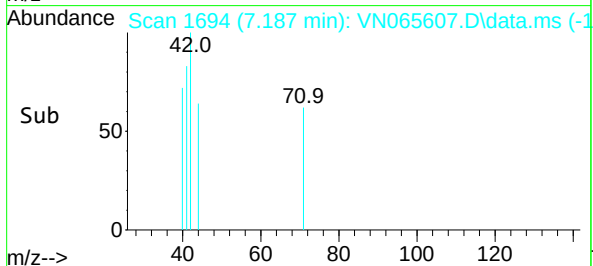
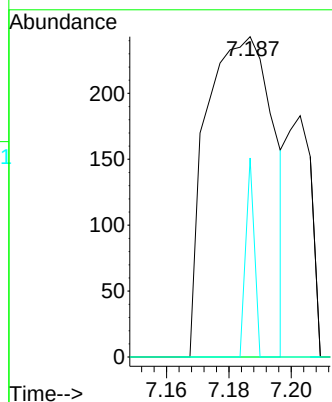
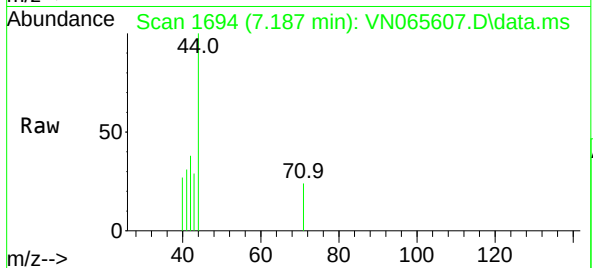
Delta R.T. 0.016 min

Lab File: VN065607.D

Acq: 26 Jan 2021 16:27

Tgt Ion:	42	Resp:	360
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	8.1	34.3	51.5#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 0.88 ug/l

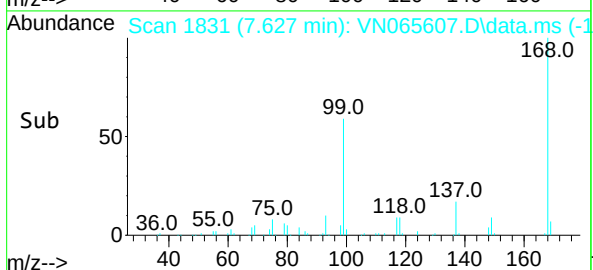
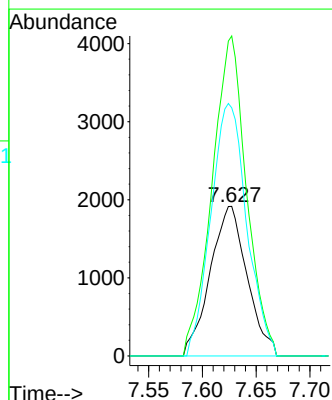
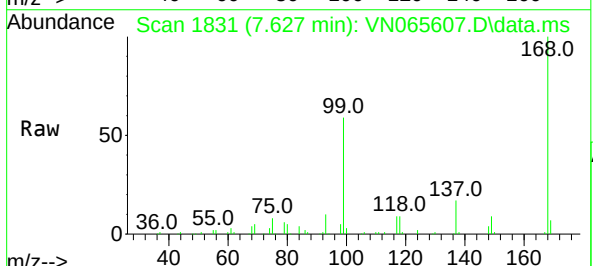
RT: 7.627 min Scan# 1831

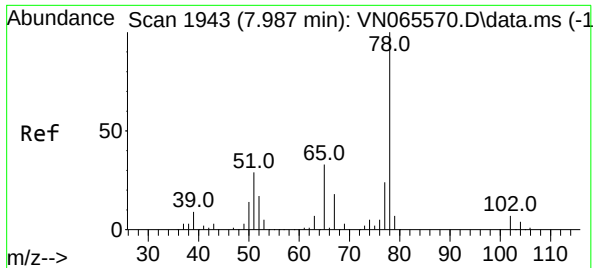
Delta R.T. 0.016 min

Lab File: VN065607.D

Acq: 26 Jan 2021 16:27

Tgt Ion:	56	Resp:	4572
Ion	Ratio	Lower	Upper
56	100		
69	214.0	26.6	39.8#
84	166.0	70.4	105.6#

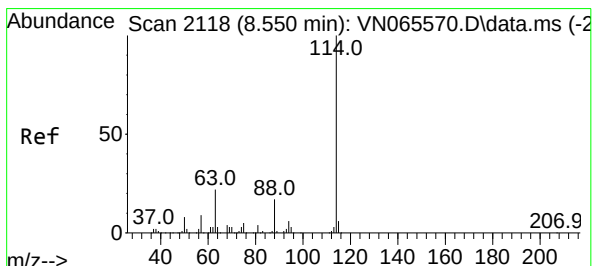
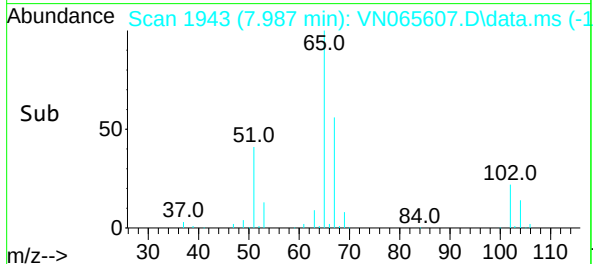
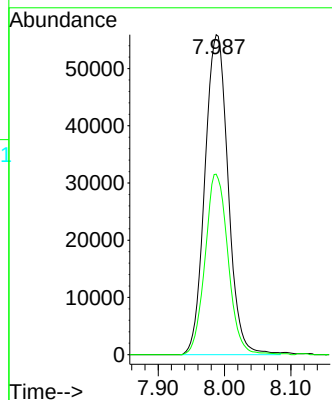
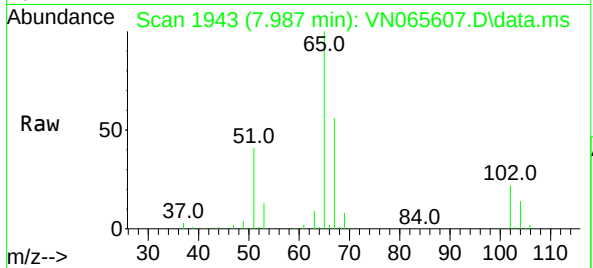




#33
1,2-Dichloroethane-d4
Concen: 49.01 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

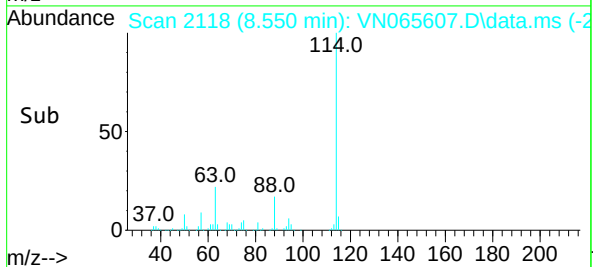
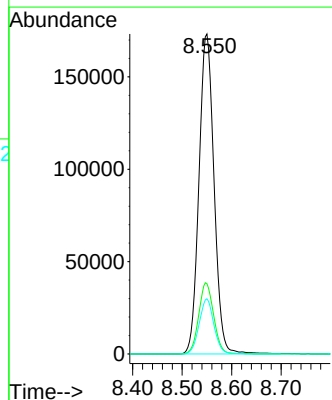
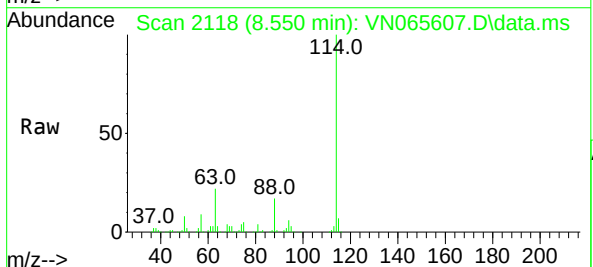
Instrument :
MSVOA_N
ClientSampled :

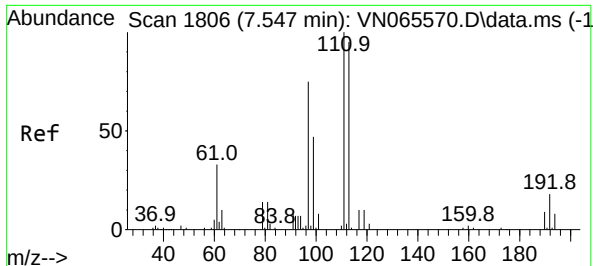
Tgt Ion: 65 Resp: 136078
Ion Ratio Lower Upper
65 100
67 55.8 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

Tgt Ion: 114 Resp: 367549
Ion Ratio Lower Upper
114 100
63 22.0 0.0 38.6
88 17.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.52 ug/l

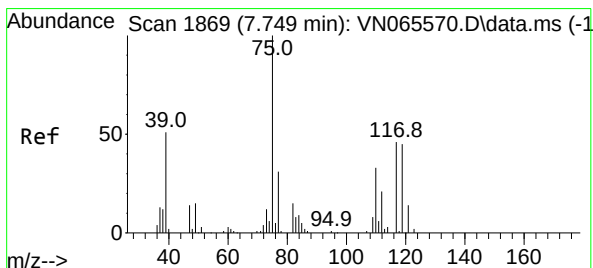
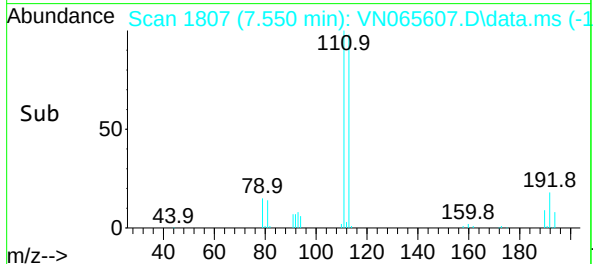
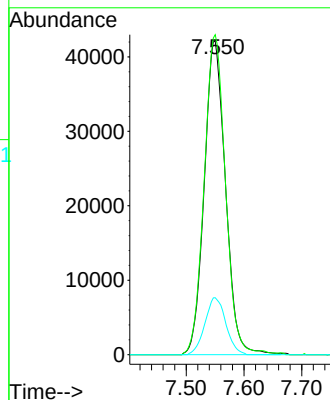
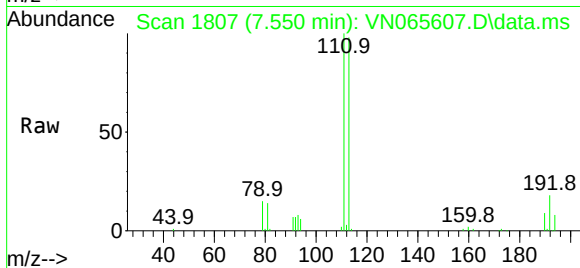
RT: 7.550 min Scan# 1807

Delta R.T. 0.003 min

Lab File: VN065607.D

Acq: 26 Jan 2021 16:27

Tgt Ion:	113	Resp:	107851
Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.2
192	17.9	15.4	23.0



#36

1,1-Dichloropropene

Concen: 4.82 ug/l

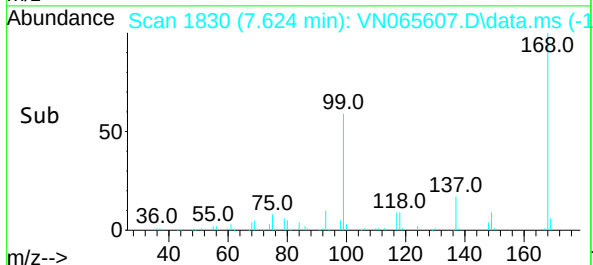
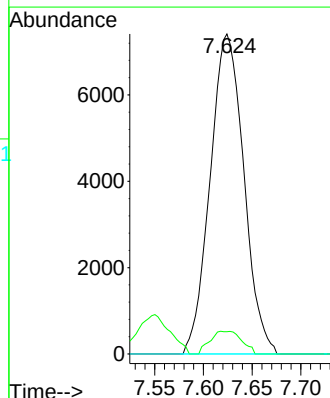
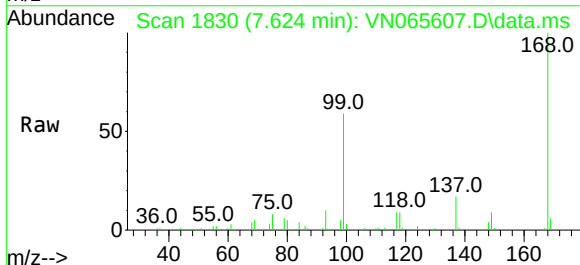
RT: 7.624 min Scan# 1830

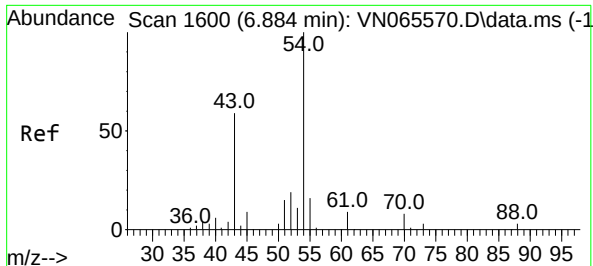
Delta R.T. -0.125 min

Lab File: VN065607.D

Acq: 26 Jan 2021 16:27

Tgt Ion:	75	Resp:	17823
Ion	Ratio	Lower	Upper
75	100		
110	6.6	18.2	54.6#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 1.43 ug/l

RT: 6.807 min Scan# 1576

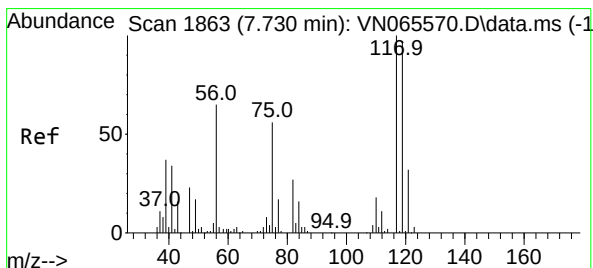
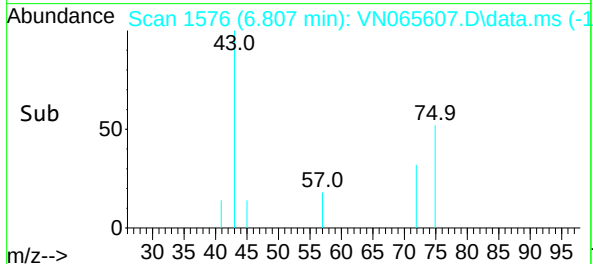
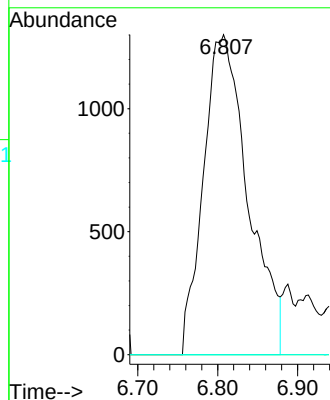
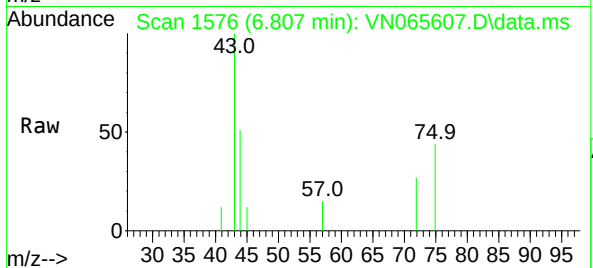
Delta R.T. -0.077 min

Lab File: VN065607.D

Acq: 26 Jan 2021 16:27

Tgt Ion:	43	Resp:	5072
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.72 ug/l

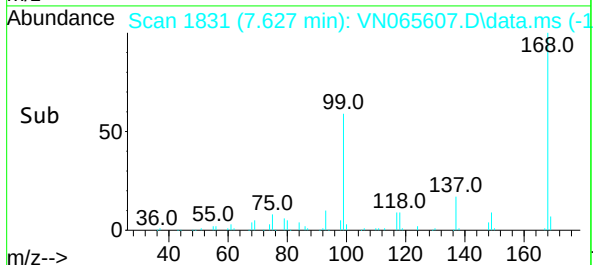
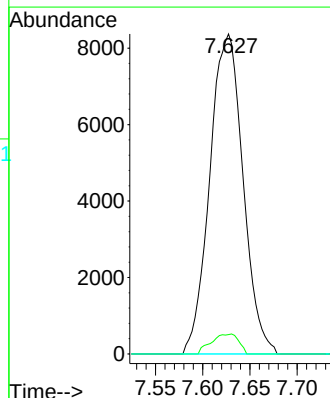
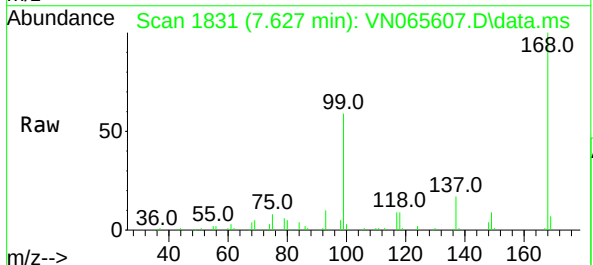
RT: 7.627 min Scan# 1831

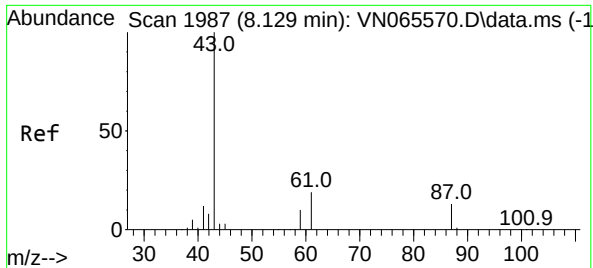
Delta R.T. -0.103 min

Lab File: VN065607.D

Acq: 26 Jan 2021 16:27

Tgt Ion:	117	Resp:	20472
Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.0	114.0#
121	0.0	24.5	36.7#

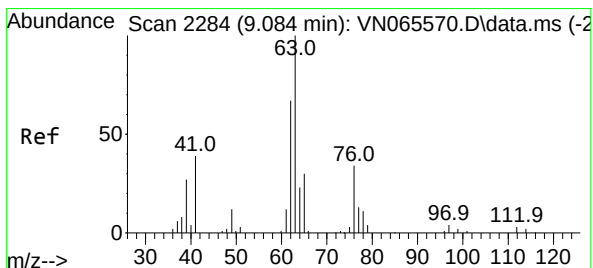
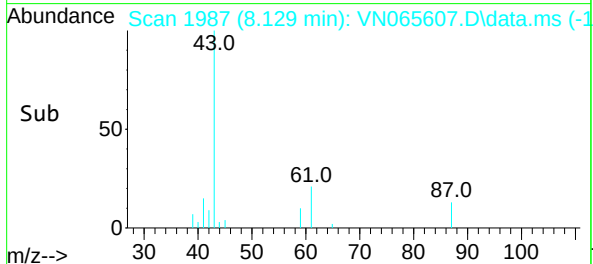
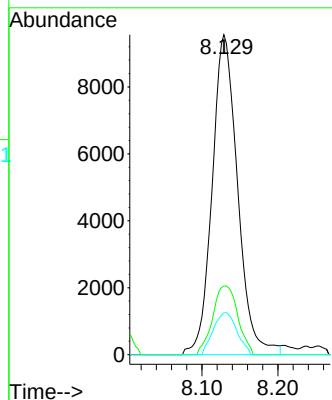
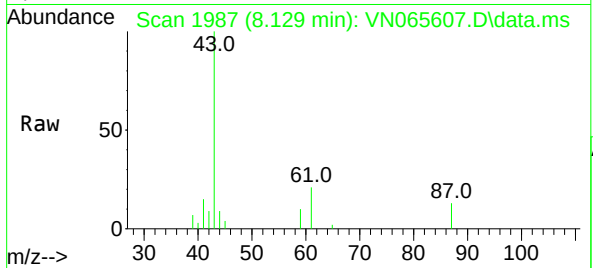




#43
Isopropyl Acetate
Concen: 3.54 ug/l
RT: 8.129 min Scan# 1987
Delta R.T. -0.000 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

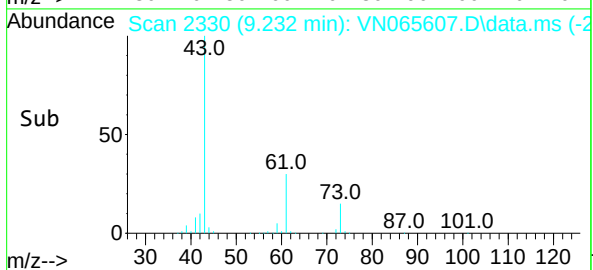
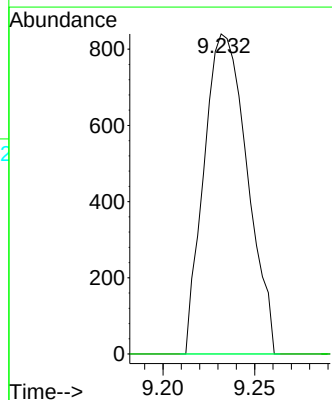
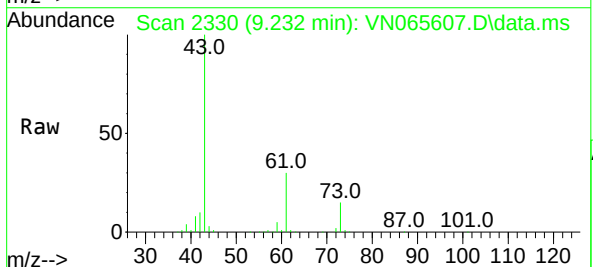
Instrument :
MSVOA_N
ClientSampleId :

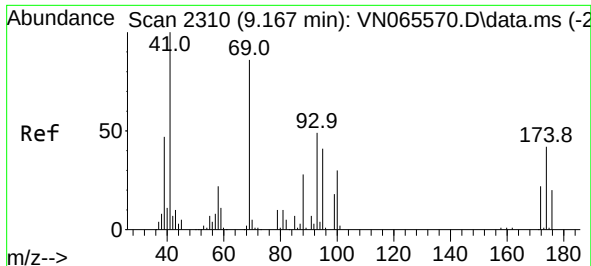
Tgt Ion: 43 Resp: 22269
Ion Ratio Lower Upper
43 100
61 21.2 22.5 33.7#
87 12.1 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.44 ug/l
RT: 9.232 min Scan# 2330
Delta R.T. 0.148 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

Tgt Ion: 63 Resp: 1379
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

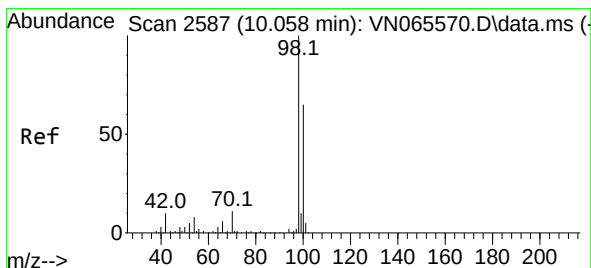
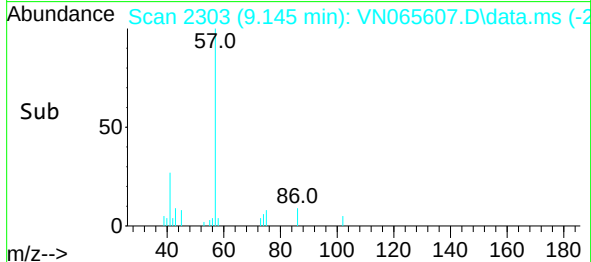
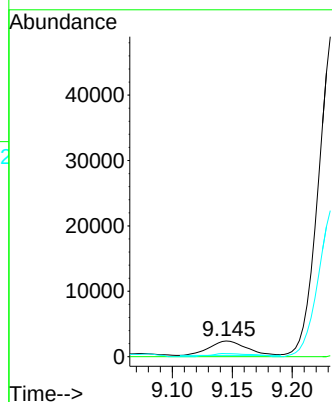
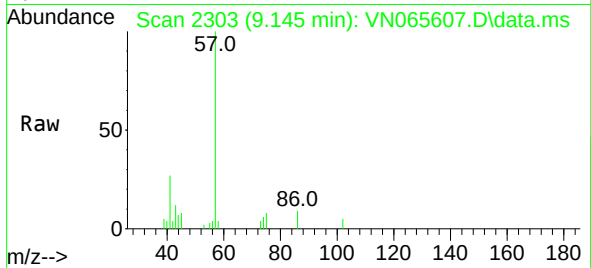




#48
Methyl methacrylate
Concen: 1.59 ug/l
RT: 9.145 min Scan# 2303
Delta R.T. -0.022 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

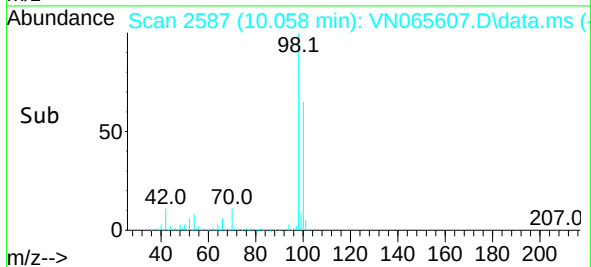
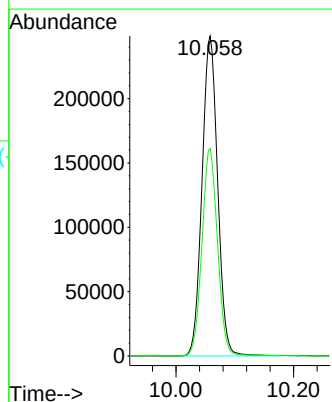
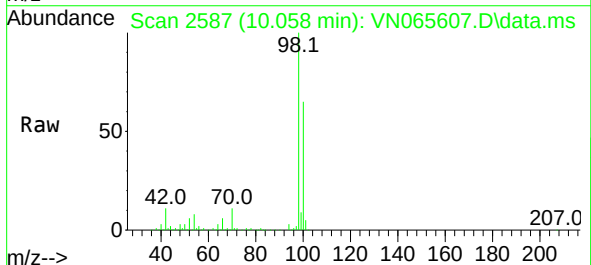
Instrument :
MSVOA_N
ClientSampled :

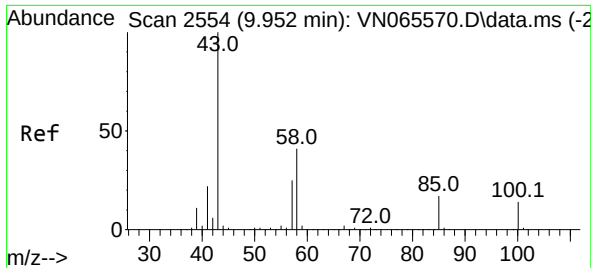
Tgt Ion: 41 Resp: 4759
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 53.50 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

Tgt Ion: 98 Resp: 458052
Ion Ratio Lower Upper
98 100
100 64.6 50.5 75.7

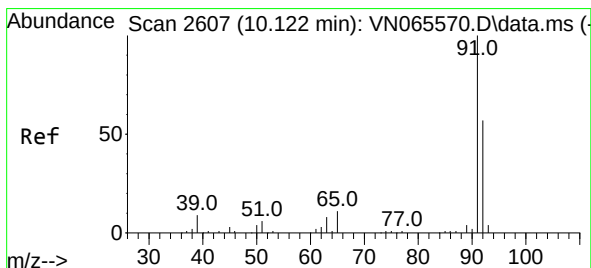
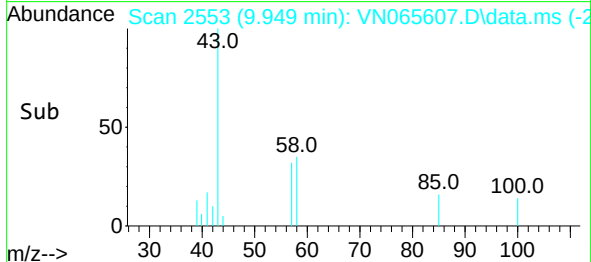
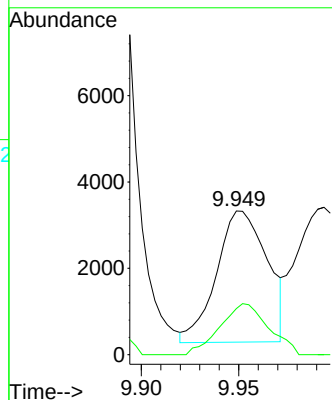
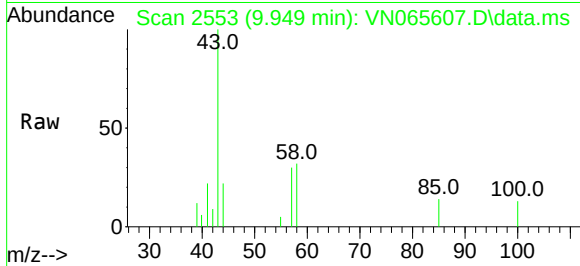




#51
4-Methyl-2-Pentanone
Concen: 1.59 ug/l
RT: 9.949 min Scan# 2553
Delta R.T. -0.003 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

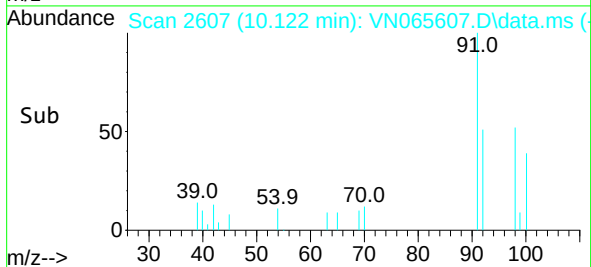
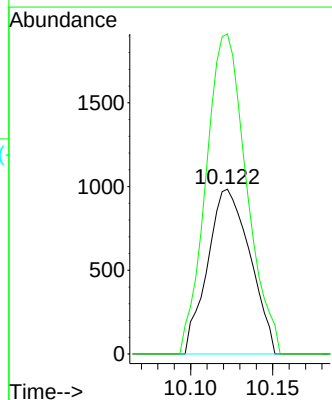
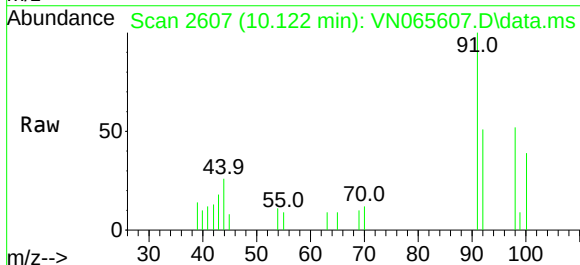
Instrument :
MSVOA_N
ClientSampled :

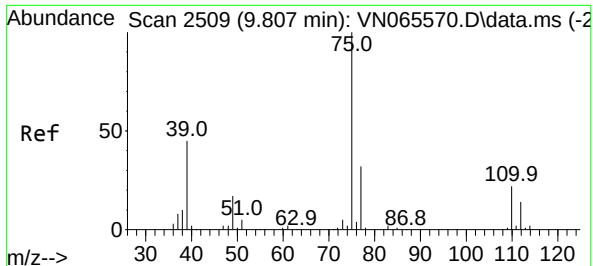
Tgt Ion: 43 Resp: 5505
Ion Ratio Lower Upper
43 100
58 37.2 32.5 48.7



#52
Toluene
Concen: 0.26 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

Tgt Ion: 92 Resp: 1769
Ion Ratio Lower Upper
92 100
91 185.4 140.7 211.1

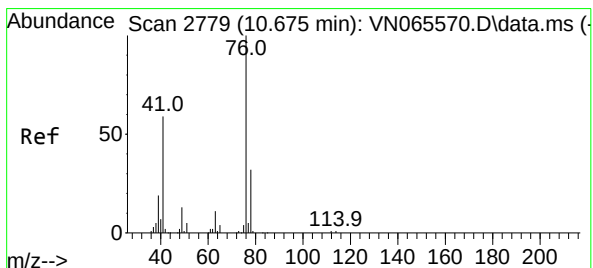
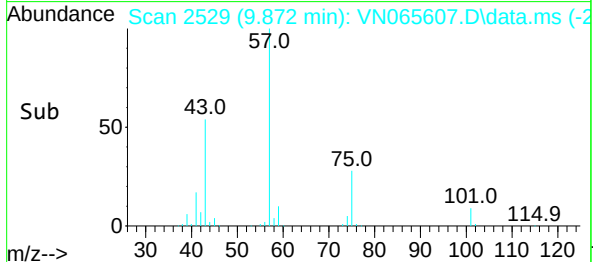
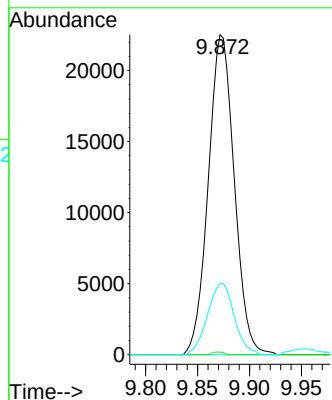
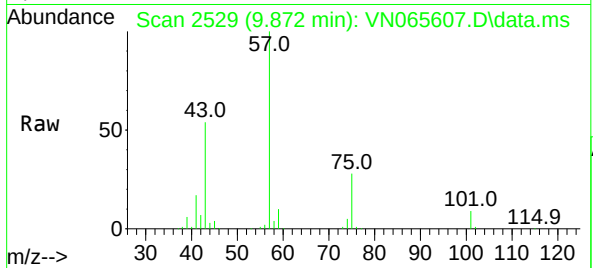




#54
 cis-1,3-Dichloropropene
 Concen: 8.20 ug/l
 RT: 9.872 min Scan# 2529
 Delta R.T. 0.065 min
 Lab File: VN065607.D
 Acq: 26 Jan 2021 16:27

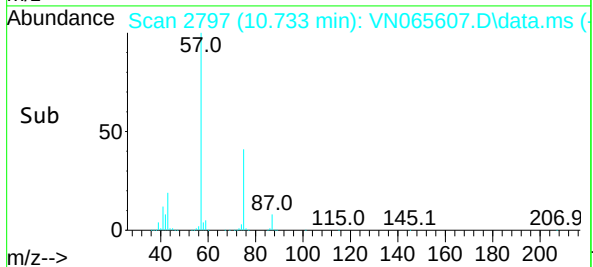
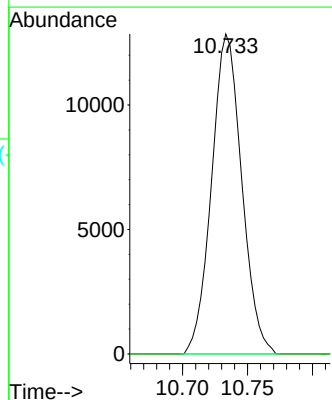
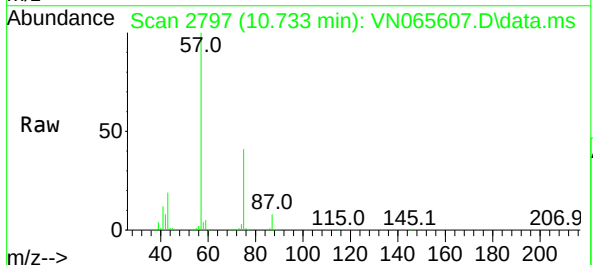
Instrument :
 MSVOA_N
 ClientSampled :

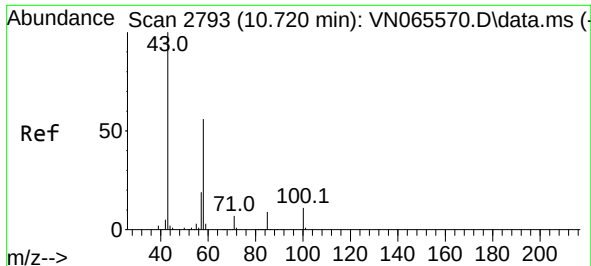
Tgt Ion: 75 Resp: 39186
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.9 37.3#
 39 22.2 36.2 54.4#



#57
 1,3-Dichloropropane
 Concen: 4.61 ug/l
 RT: 10.733 min Scan# 2797
 Delta R.T. 0.058 min
 Lab File: VN065607.D
 Acq: 26 Jan 2021 16:27

Tgt Ion: 76 Resp: 20723
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

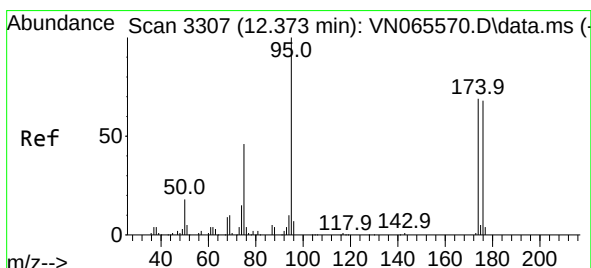
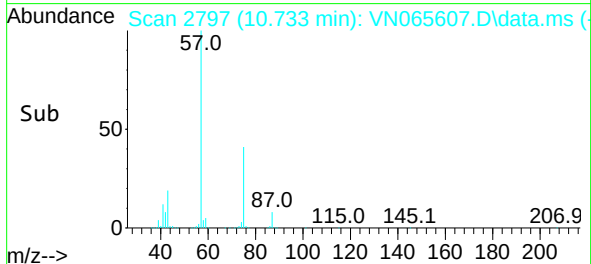
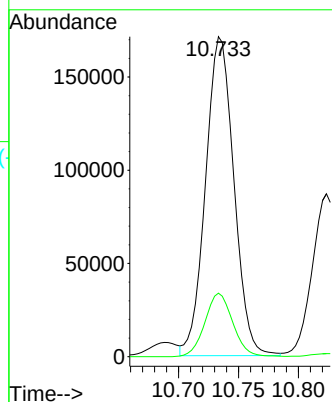
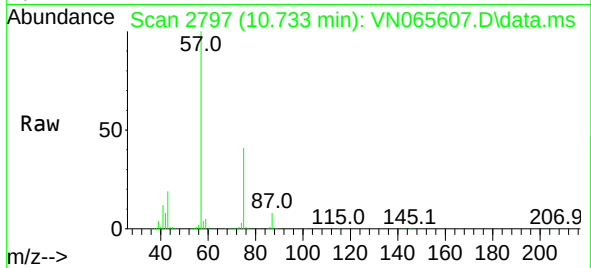




#59
2-Hexanone
Concen: 116.90 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.013 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

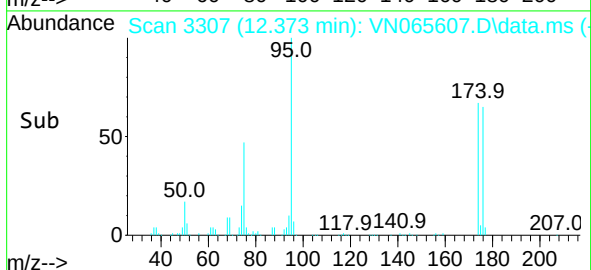
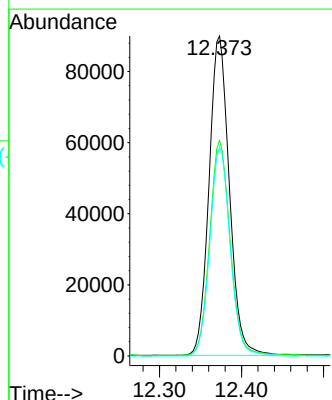
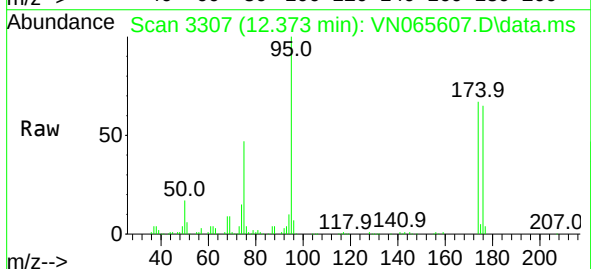
Instrument :
MSVOA_N
ClientSampled :

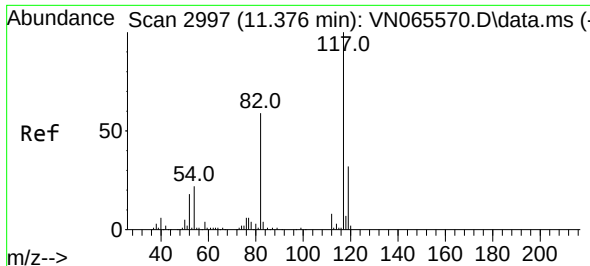
Tgt Ion: 43 Resp: 281525
Ion Ratio Lower Upper
43 100
58 19.6 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 50.16 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

Tgt Ion: 95 Resp: 154630
Ion Ratio Lower Upper
95 100
174 67.8 0.0 169.0
176 65.8 0.0 162.4

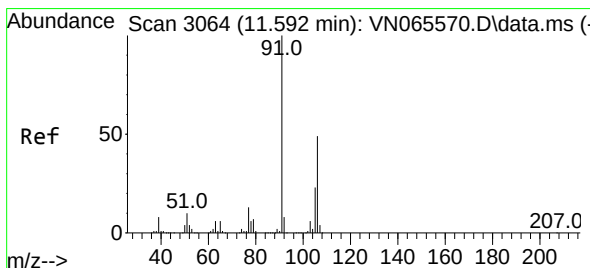
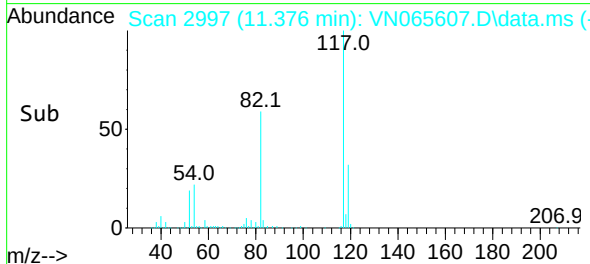
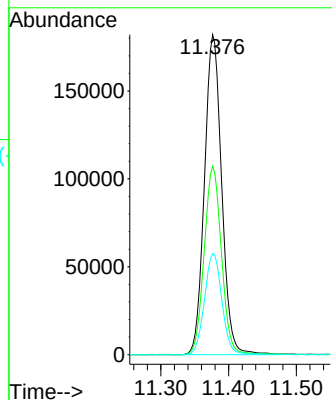
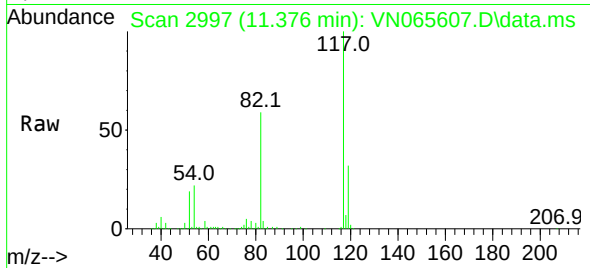




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

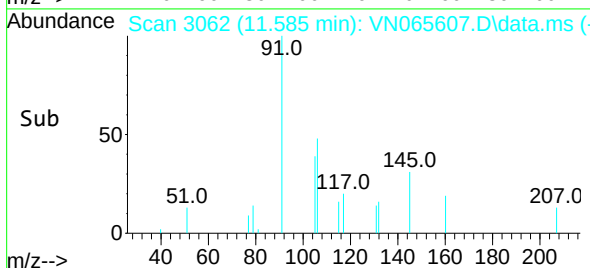
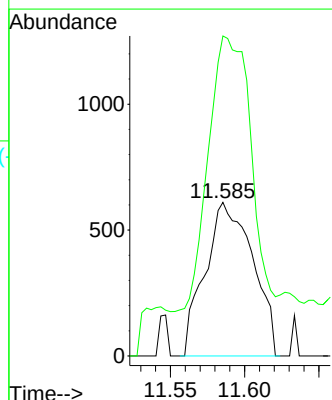
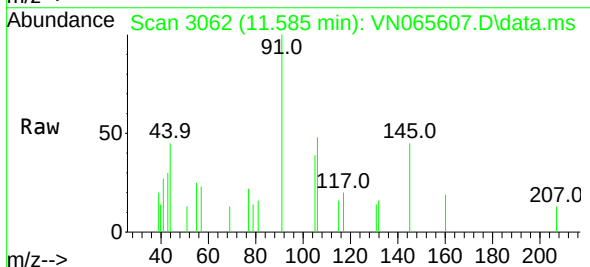
Instrument :
MSVOA_N
ClientSampleId :

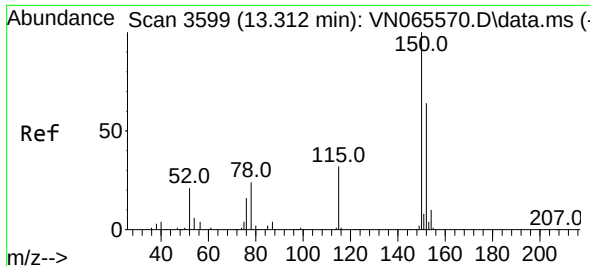
Tgt Ion:117 Resp: 321539
Ion Ratio Lower Upper
117 100
82 58.9 43.7 65.5
119 31.6 26.1 39.1



#68
m/p-Xylenes
Concen: 0.30 ug/l
RT: 11.585 min Scan# 3062
Delta R.T. -0.007 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

Tgt Ion:106 Resp: 1367
Ion Ratio Lower Upper
106 100
91 161.1 161.4 242.0#

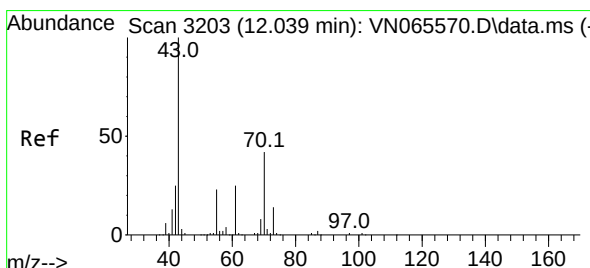
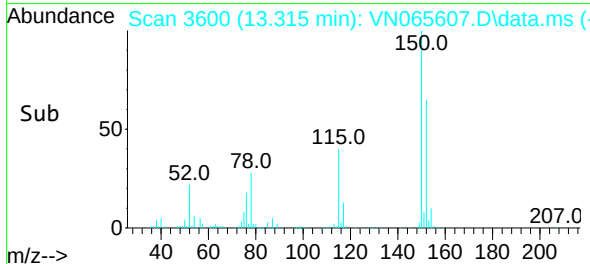
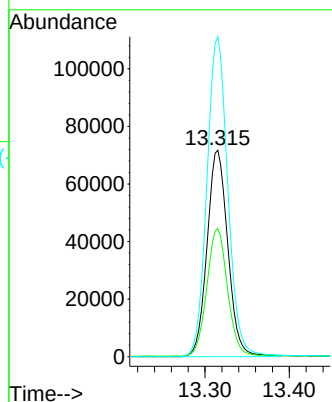
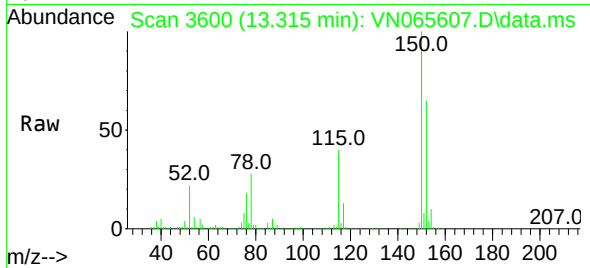




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

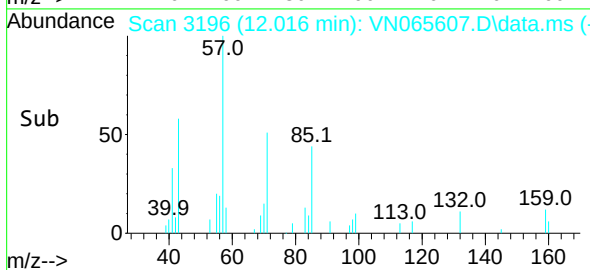
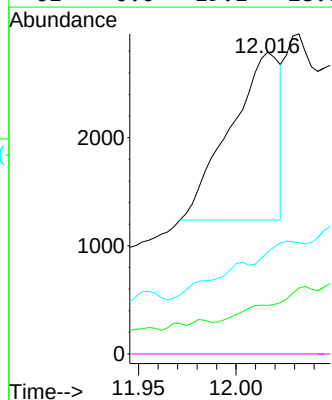
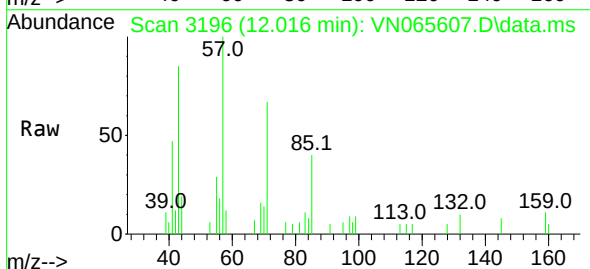
Instrument :
MSVOA_N
ClientSampled :

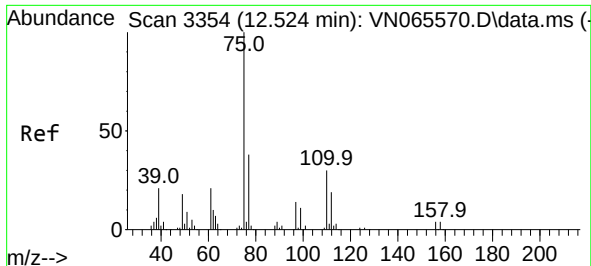
Tgt Ion:152 Resp: 123301
Ion Ratio Lower Upper
152 100
115 61.3 28.5 85.6
150 156.8 0.0 347.6



#74
N-ethyl acetate
Concen: 0.60 ug/l
RT: 12.016 min Scan# 3196
Delta R.T. -0.023 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

Tgt Ion: 43 Resp: 2756
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 16.2 20.7 31.1#
61 0.0 19.1 28.7#

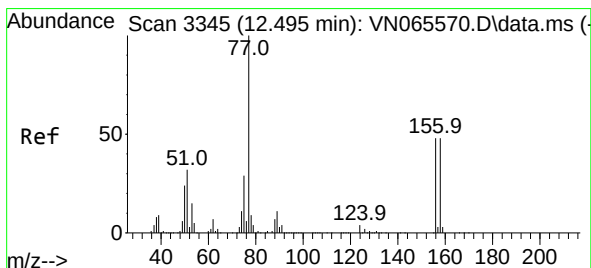
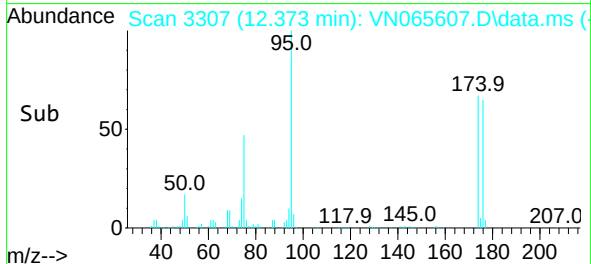
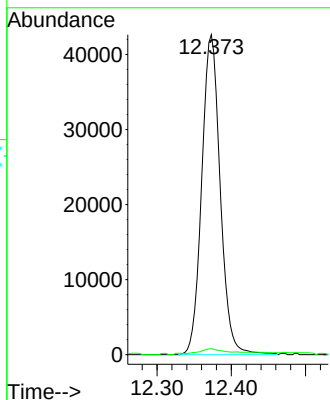
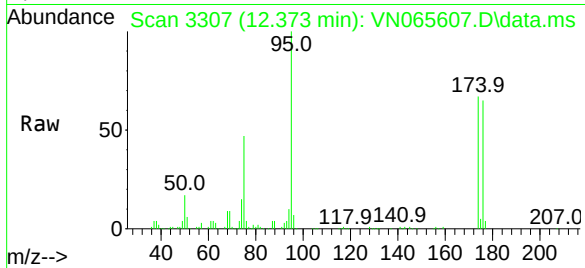




#76
1,2,3-Trichloropropane
Concen: 22.85 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

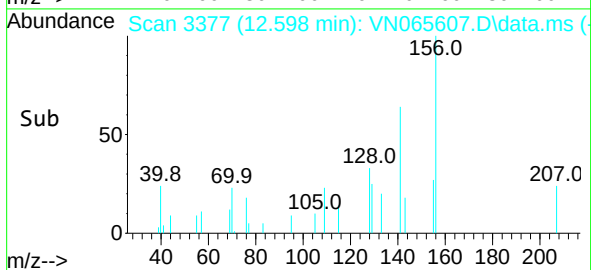
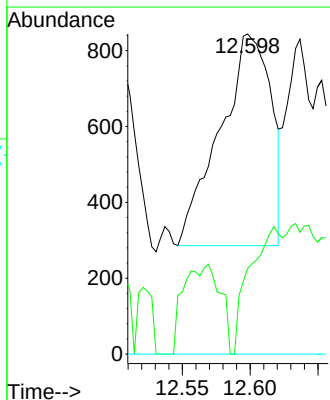
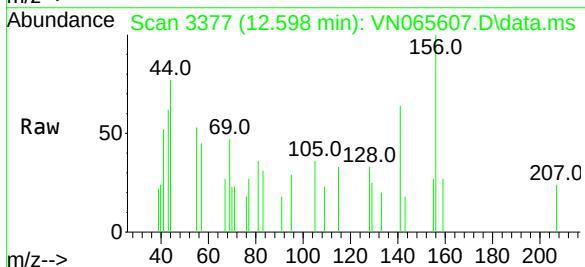
Instrument :
MSVOA_N
ClientSampleId :

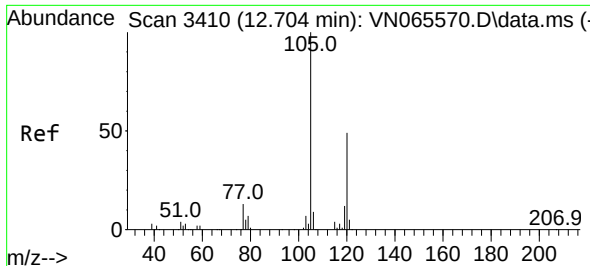
Tgt Ion: 75 Resp: 73662
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#77
Bromobenzene
Concen: 0.62 ug/l
RT: 12.598 min Scan# 3377
Delta R.T. 0.103 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

Tgt Ion: 156 Resp: 1460
Ion Ratio Lower Upper
156 100
77 38.2 96.3 288.8#
158 0.0 49.0 147.0#

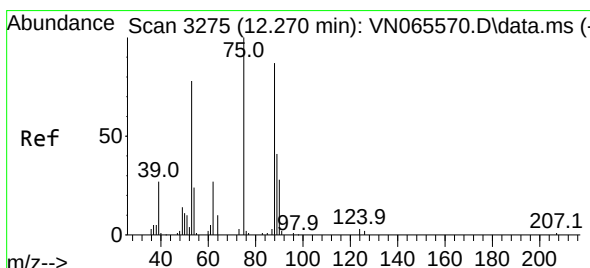
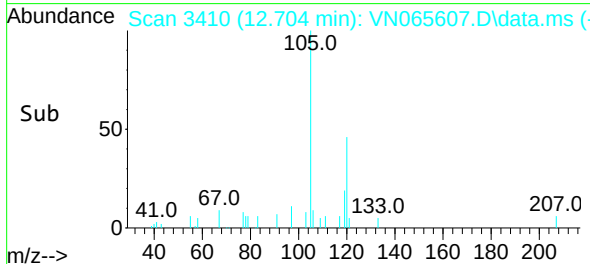
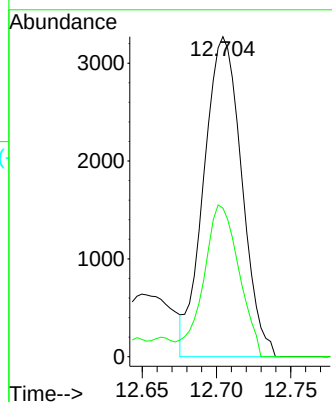
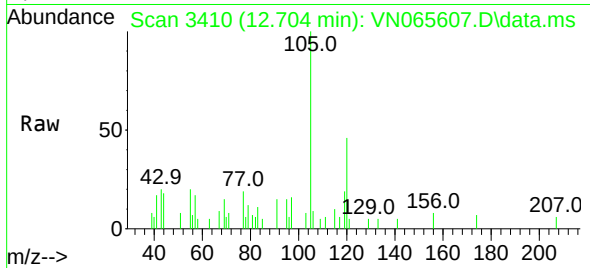




#80
1,3,5-Trimethylbenzene
Concen: 0.63 ug/l
RT: 12.704 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

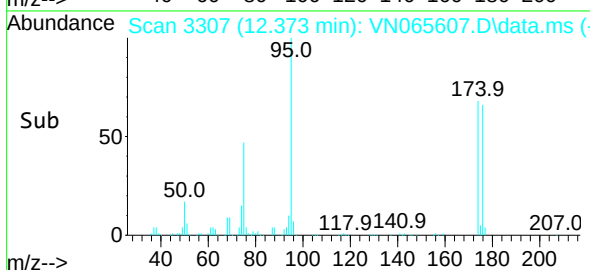
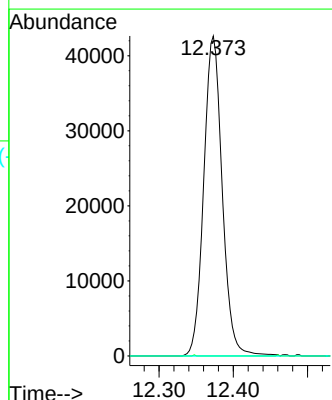
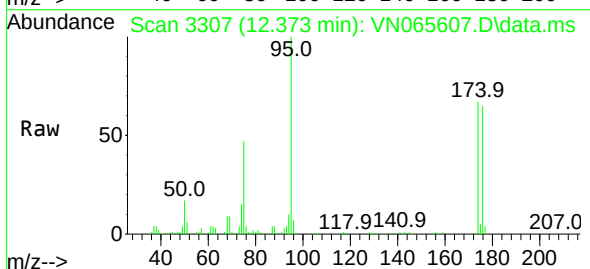
Instrument :
MSVOA_N
ClientSampled :

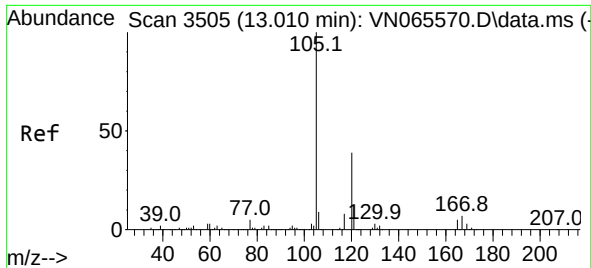
Tgt Ion:105 Resp: 5796
Ion Ratio Lower Upper
105 100
120 44.4 24.3 72.8



#81
trans-1,4-Dichloro-2-butene
Concen: 58.52 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

Tgt Ion: 75 Resp: 73662
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

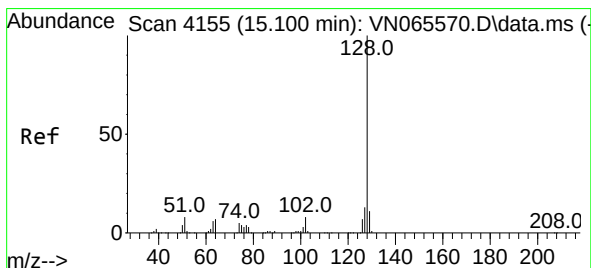
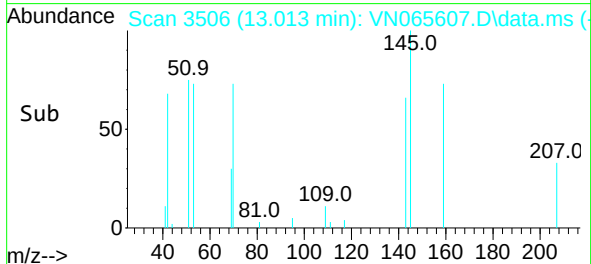
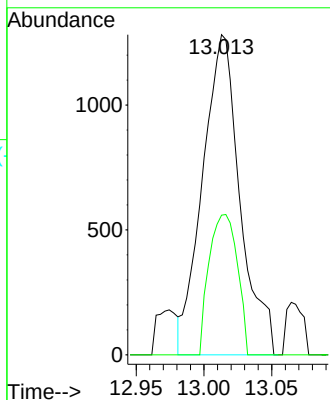
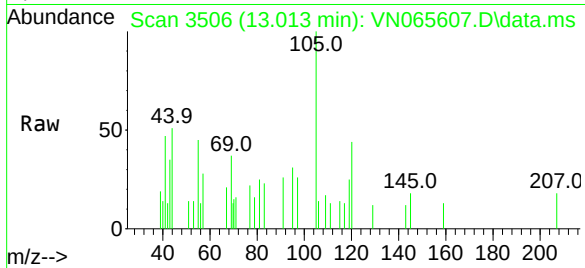




#84
1,2,4-Trimethylbenzene
Concen: 0.27 ug/l
RT: 13.013 min Scan# 3506
Delta R.T. 0.003 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:105 Resp: 2468
Ion Ratio Lower Upper
105 100
120 32.9 22.4 67.0



#95
Naphthalene
Concen: 3.66 ug/l
RT: 15.109 min Scan# 4158
Delta R.T. 0.009 min
Lab File: VN065607.D
Acq: 26 Jan 2021 16:27

Tgt Ion:128 Resp: 1803
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 10.5 8.6 13.0

