

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041621\
 Data File : VN066647.D
 Acq On : 16 Apr 2021 23:38
 Operator : JC/MD
 Sample : M2055-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

Quant Time: Apr 17 05:22:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 15 19:16:35 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

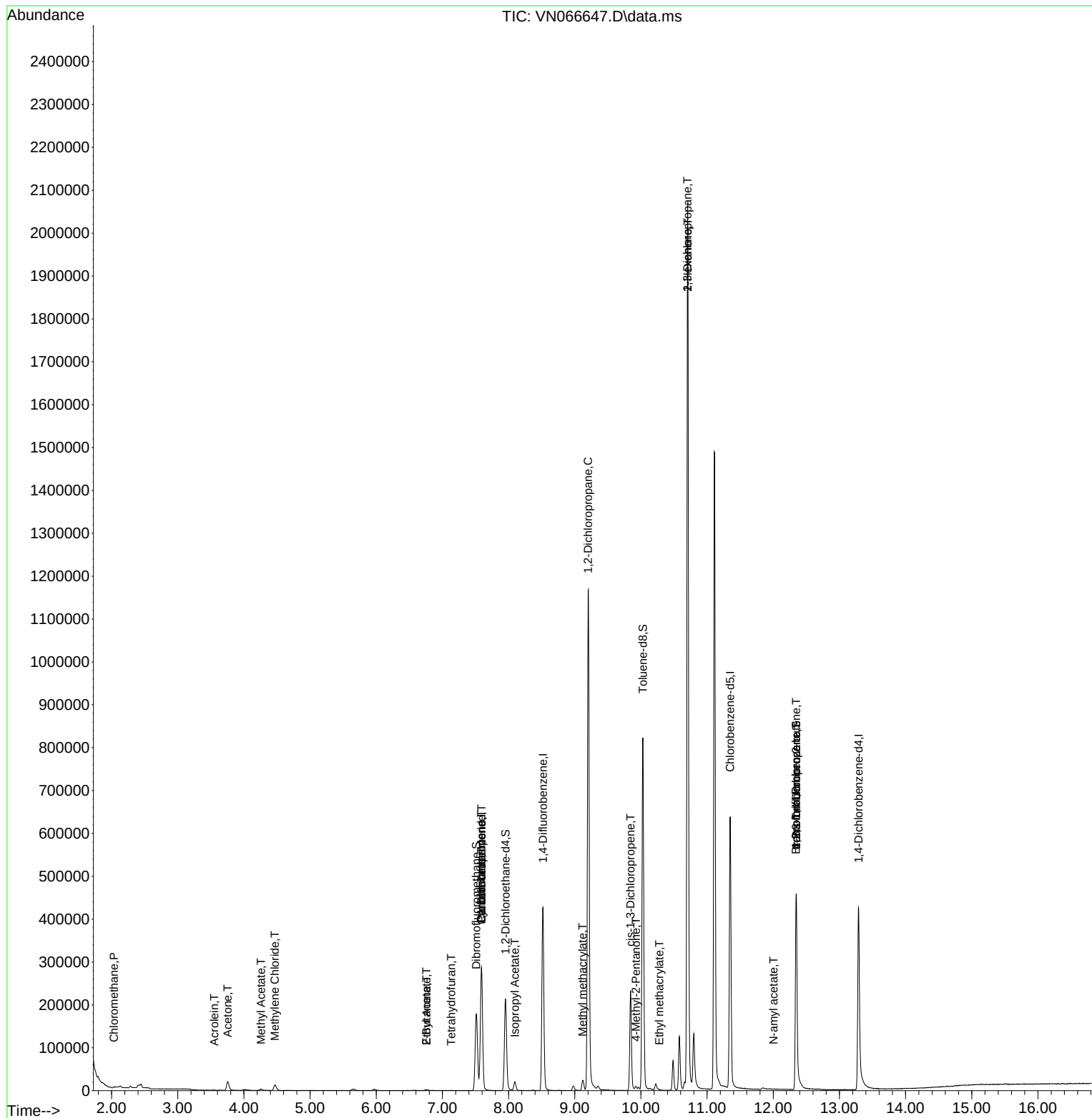
Internal Standards						
1) Pentafluorobenzene	7.591	168	243784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	386520	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	371200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.287	152	147233	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	183569	49.91	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.82%		
35) Dibromofluoromethane	7.513	113	142200	53.05	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	106.10%		
50) Toluene-d8	10.029	98	567621	54.03	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	108.06%		
62) 4-Bromofluorobenzene	12.346	95	182268	49.34	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.68%		
Target Compounds						Qvalue
3) Chloromethane	2.034	50	1221	0.28	ug/l	90
13) Acrolein	3.552	56	758	2.41	ug/l #	57
16) Acetone	3.756	43	34624	18.47	ug/l	94
18) Methyl Acetate	4.257	43	6632	1.67	ug/l #	80
20) Methylene Chloride	4.466	84	4750	1.37	ug/l	94
25) 2-Butanone	6.757	43	4893	2.26	ug/l #	87
29) Tetrahydrofuran	7.132	42	405	0.28	ug/l #	32
31) Cyclohexane	7.588	56	4920	0.93	ug/l #	1
36) 1,1-Dichloropropene	7.588	75	18544	4.76	ug/l #	47
37) Ethyl Acetate	6.757	43	4893	1.11	ug/l #	68
38) Carbon Tetrachloride	7.591	117	21795	5.97	ug/l #	17
43) Isopropyl Acetate	8.093	43	25842	3.50	ug/l #	85
45) 1,2-Dichloropropane	9.200	63	1481	0.43	ug/l #	44
48) Methyl methacrylate	9.117	41	6939	2.09	ug/l #	10
49) 1,4-Dioxane	9.203	88	25	Below	Cal #	1
51) 4-Methyl-2-Pentanone	9.924	43	5652	1.30	ug/l	98
54) cis-1,3-Dichloropropene	9.844	75	42617	8.37	ug/l #	64
56) Ethyl methacrylate	10.278	69	114	0.92	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	20719	4.07	ug/l #	43
59) 2-Hexanone	10.707	43	307900	102.45	ug/l #	49
71) Bromoform	12.343	173	1431	0.65	ug/l #	1
74) N-amyl acetate	12.006	43	73	9.74	ug/l #	42
76) 1,2,3-Trichloropropane	12.346	75	91899	26.69	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.346	75	91899	82.28	ug/l #	12

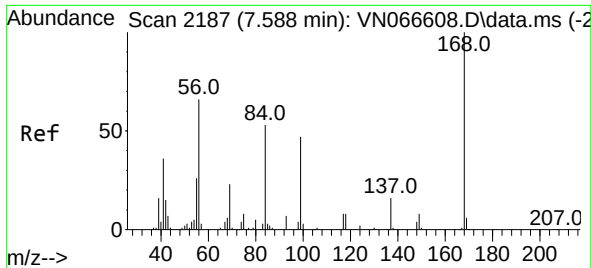
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
Quant Title : SW846 8260
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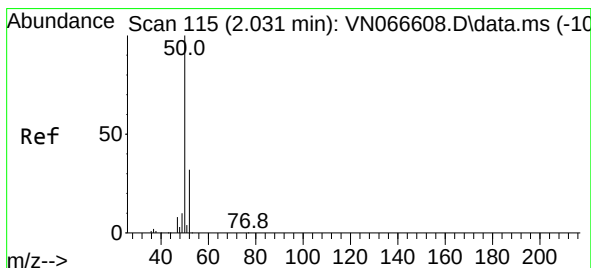
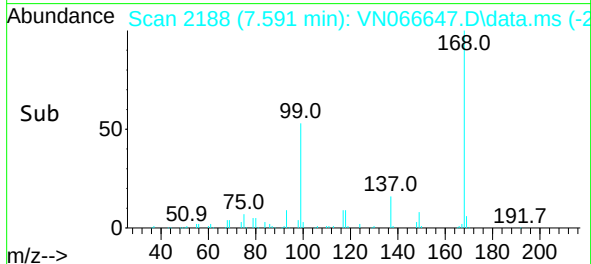
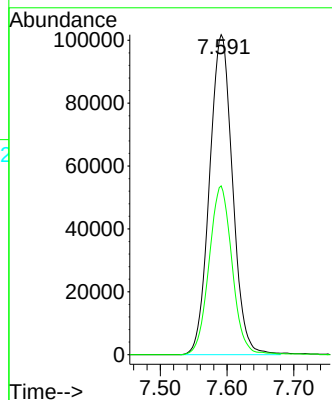
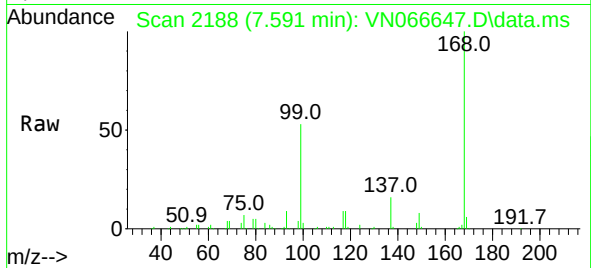




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

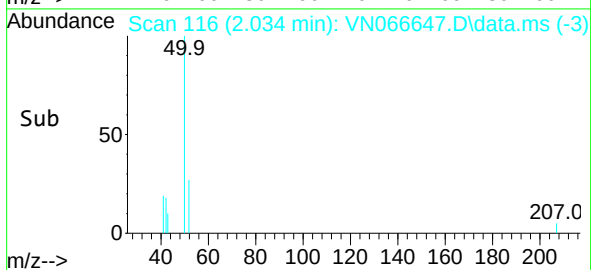
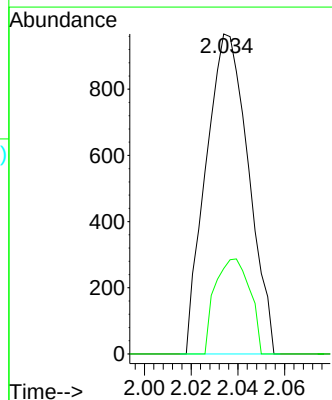
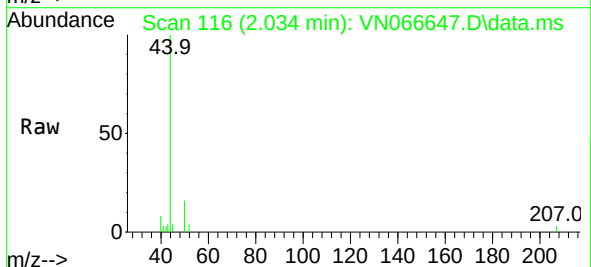
Instrument :
MSVOA_N
ClientSampled :
TP-1

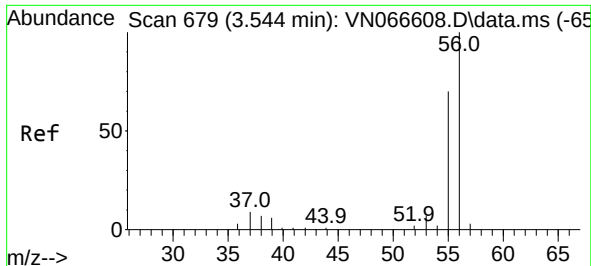
Tgt Ion:168 Resp: 243784
Ion Ratio Lower Upper
168 100
99 52.8 42.6 63.8



#3
Chloromethane
Concen: 0.28 ug/l
RT: 2.034 min Scan# 116
Delta R.T. 0.003 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

Tgt Ion: 50 Resp: 1221
Ion Ratio Lower Upper
50 100
52 26.7 25.8 38.8

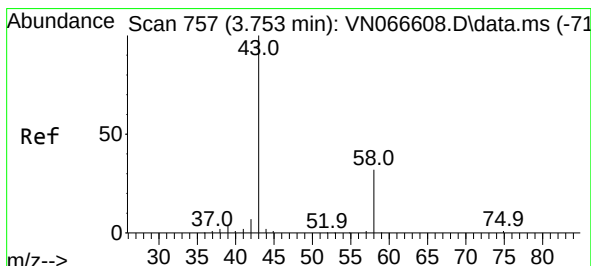
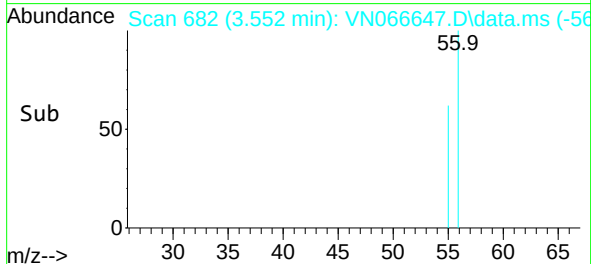
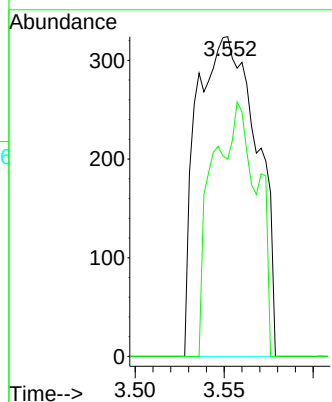
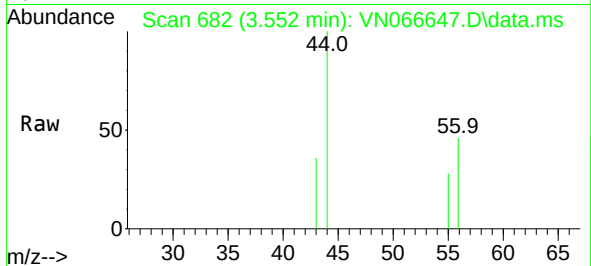




#13
Acrolein
Concen: 2.41 ug/l
RT: 3.552 min Scan# 682
Delta R.T. 0.008 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

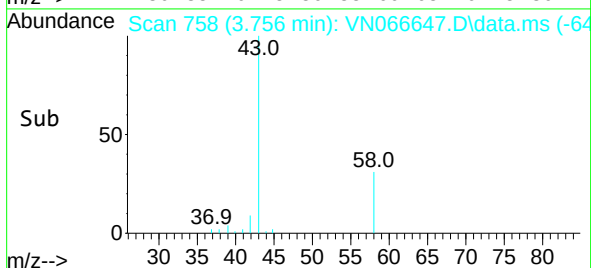
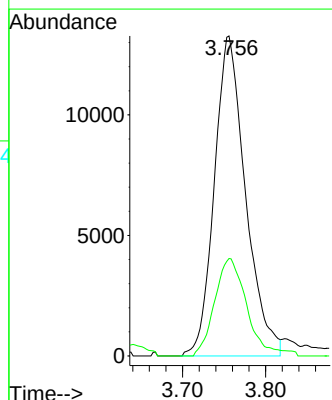
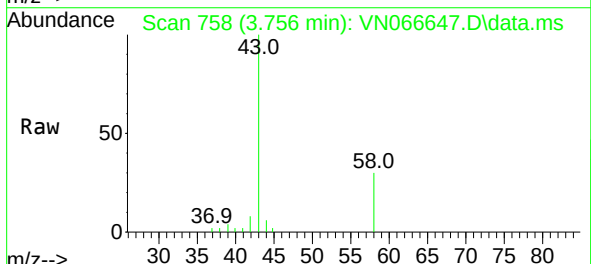
Instrument :
MSVOA_N
ClientSampled :
TP-1

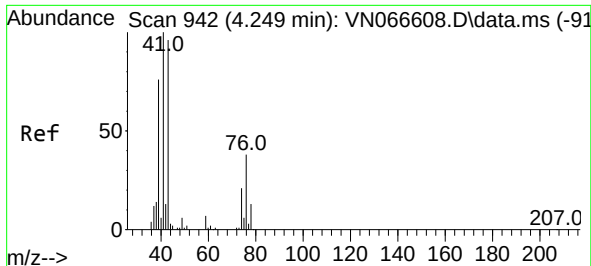
Tgt Ion: 56 Resp: 758
Ion Ratio Lower Upper
56 100
55 34.8 56.0 84.0#



#16
Acetone
Concen: 18.47 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.003 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

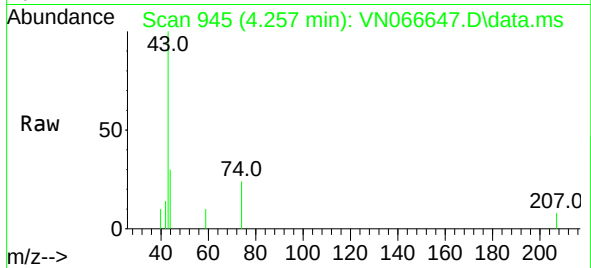
Tgt Ion: 43 Resp: 34624
Ion Ratio Lower Upper
43 100
58 30.5 27.0 40.6



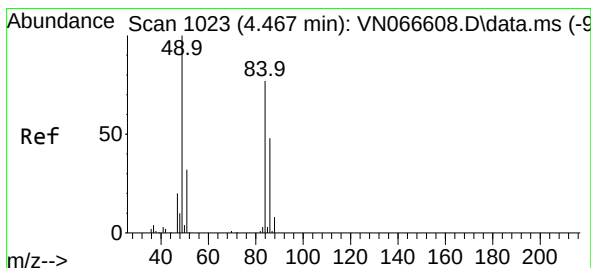
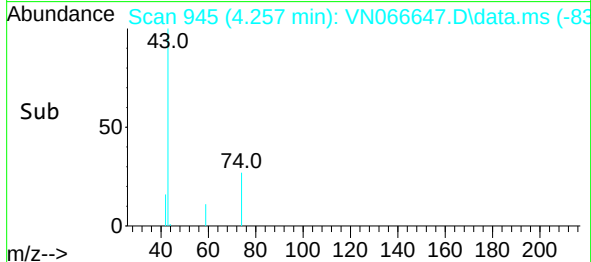
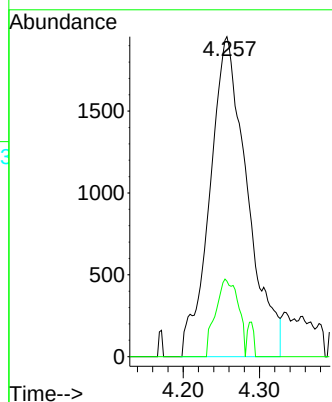


#18
Methyl Acetate
Concen: 1.67 ug/l
RT: 4.257 min Scan# 945
Delta R.T. 0.008 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

Instrument :
MSVOA_N
ClientSampled :
TP-1

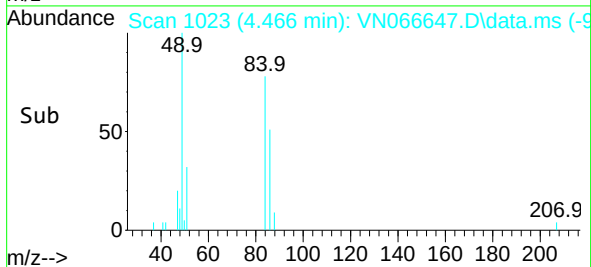
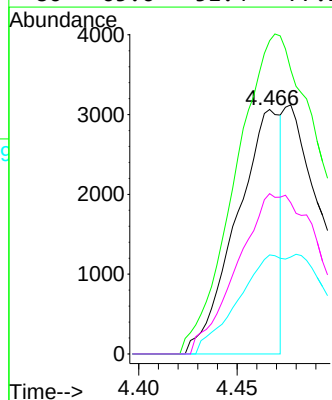
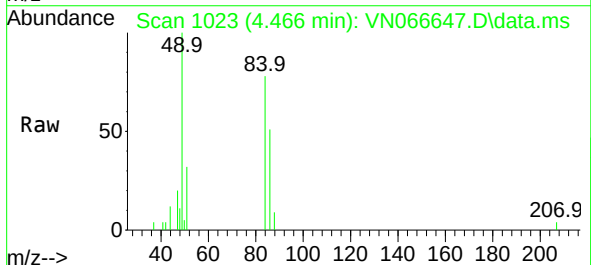


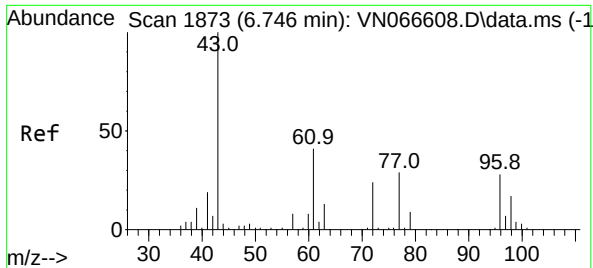
Tgt Ion: 43 Resp: 6632
Ion Ratio Lower Upper
43 100
74 14.7 19.5 29.3#



#20
Methylene Chloride
Concen: 1.37 ug/l
RT: 4.466 min Scan# 1023
Delta R.T. -0.001 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

Tgt Ion: 84 Resp: 4750
Ion Ratio Lower Upper
84 100
49 128.2 94.6 141.8
51 40.5 29.9 44.9
86 65.6 51.4 77.2

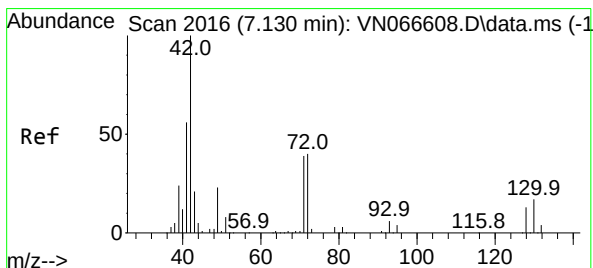
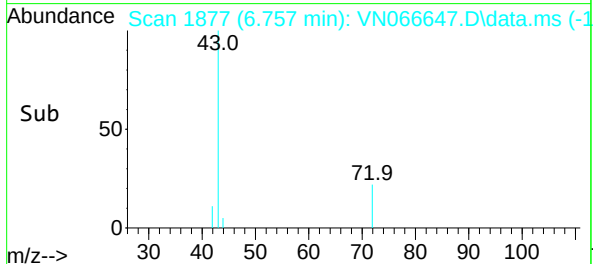
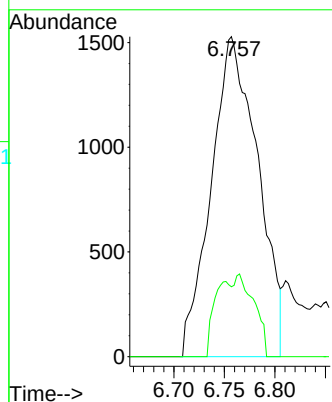
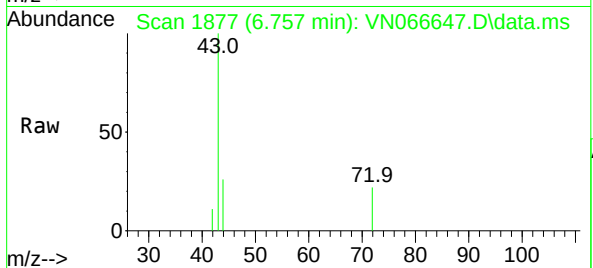




#25
2-Butanone
Concen: 2.26 ug/l
RT: 6.757 min Scan# 1877
Delta R.T. 0.011 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

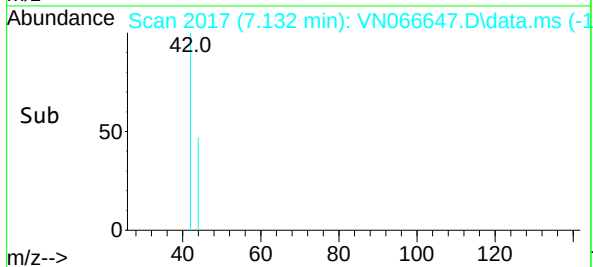
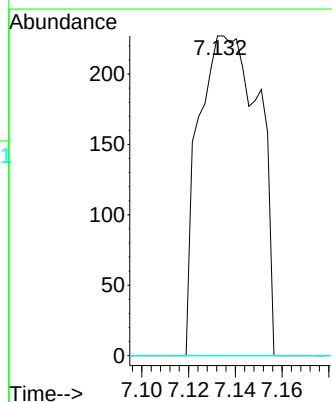
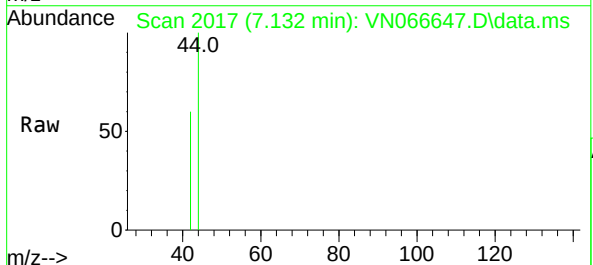
Instrument :
MSVOA_N
ClientSampled :
TP-1

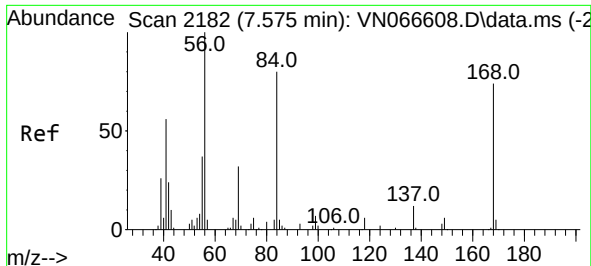
Tgt Ion: 43 Resp: 4893
Ion Ratio Lower Upper
43 100
72 21.9 23.1 34.7#



#29
Tetrahydrofuran
Concen: 0.28 ug/l
RT: 7.132 min Scan# 2017
Delta R.T. 0.002 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

Tgt Ion: 42 Resp: 405
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#

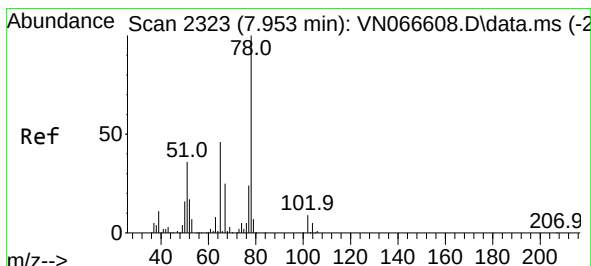
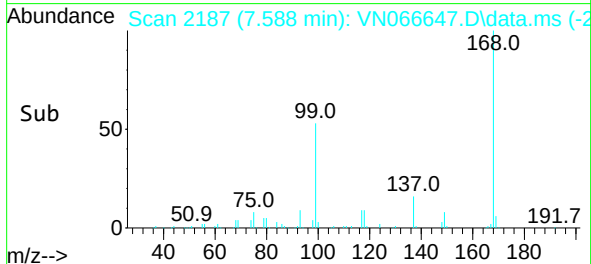
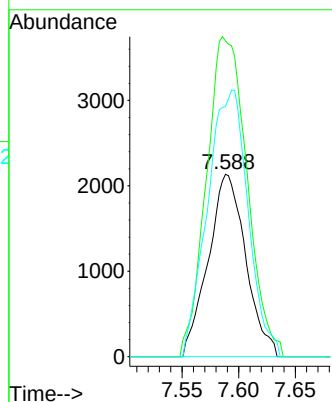
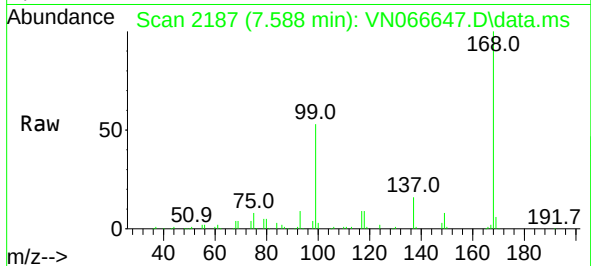




#31
Cyclohexane
Concen: 0.93 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. 0.013 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

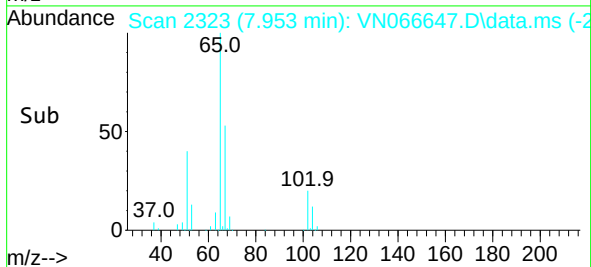
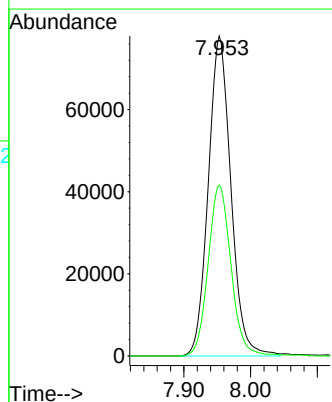
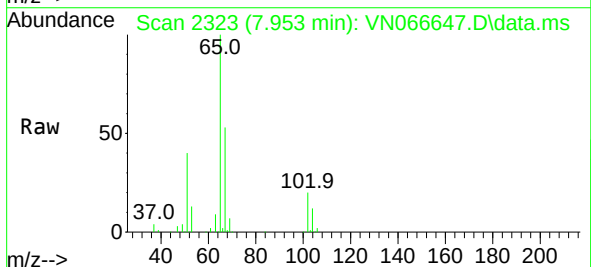
Instrument :
MSVOA_N
ClientSampled :
TP-1

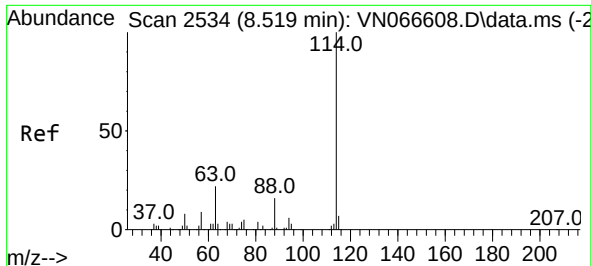
Tgt Ion: 56 Resp: 4920
Ion Ratio Lower Upper
56 100
69 173.2 26.6 39.8#
84 137.1 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 49.91 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

Tgt Ion: 65 Resp: 183569
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.2

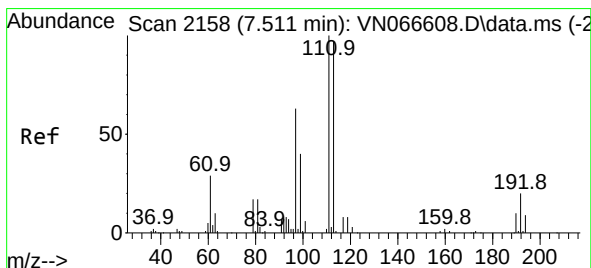
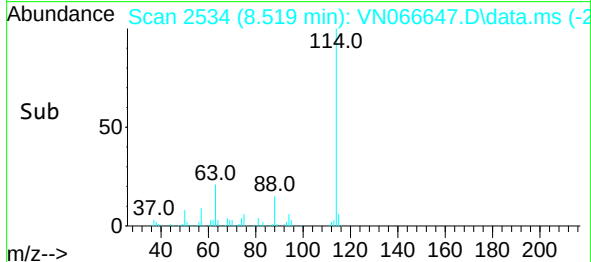
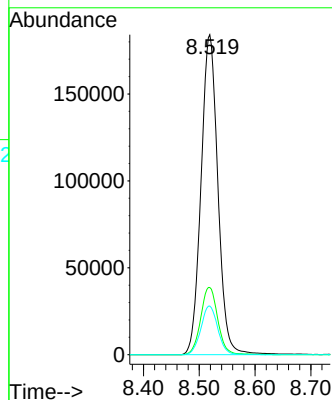
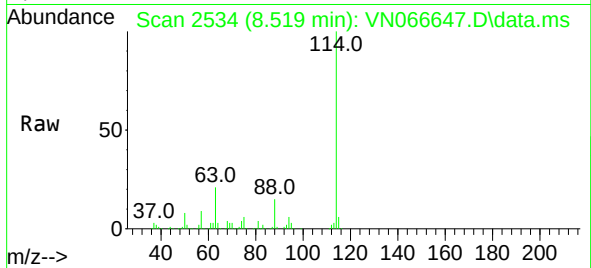




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

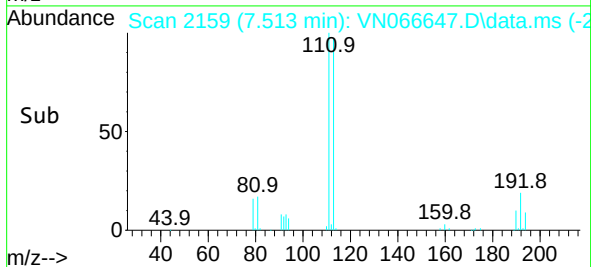
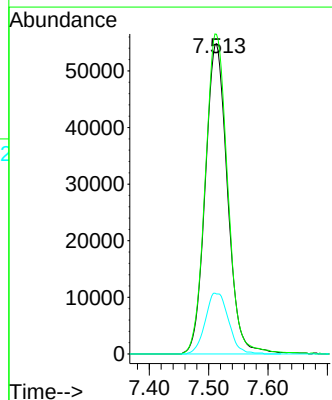
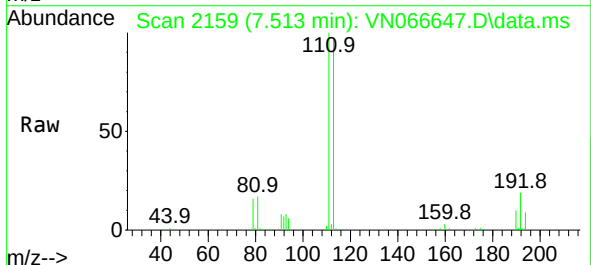
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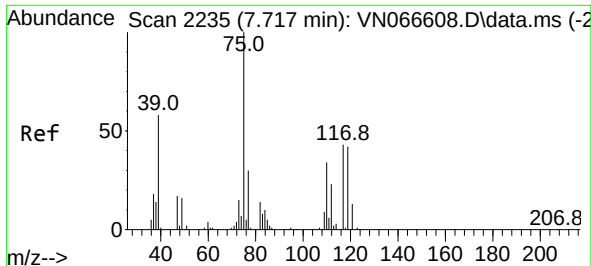
Tgt Ion:114 Resp: 386520
Ion Ratio Lower Upper
114 100
63 21.0 0.0 38.6
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 53.05 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.002 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

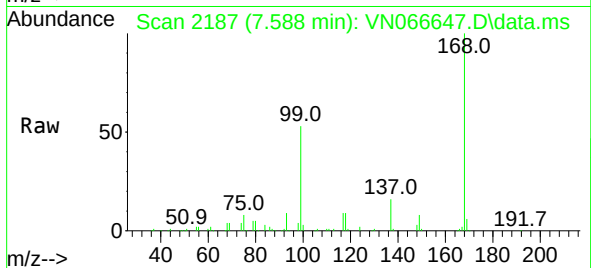
Tgt Ion:113 Resp: 142200
Ion Ratio Lower Upper
113 100
111 104.3 82.2 123.2
192 20.5 15.4 23.0



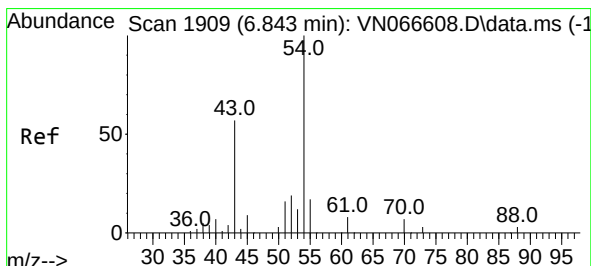
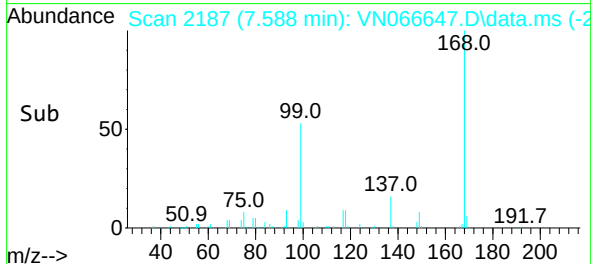
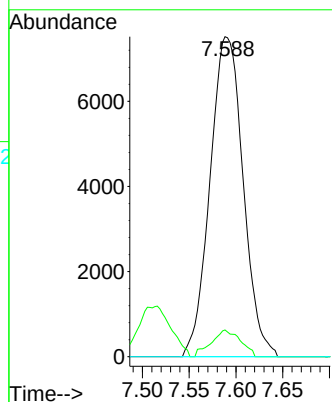


#36
1,1-Dichloropropene
Concen: 4.76 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. -0.129 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

Instrument :
MSVOA_N
ClientSampled :
TP-1

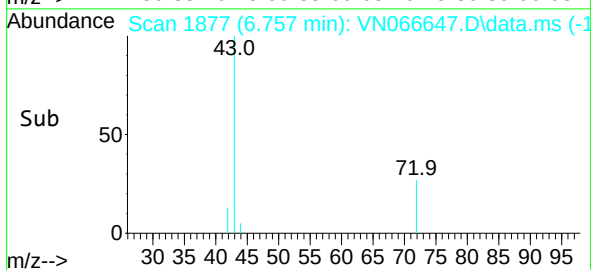
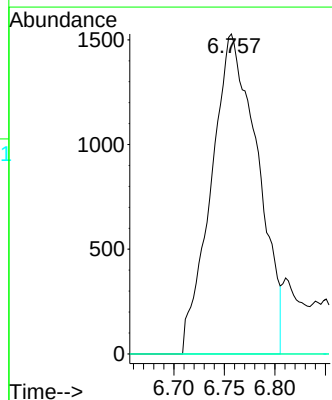
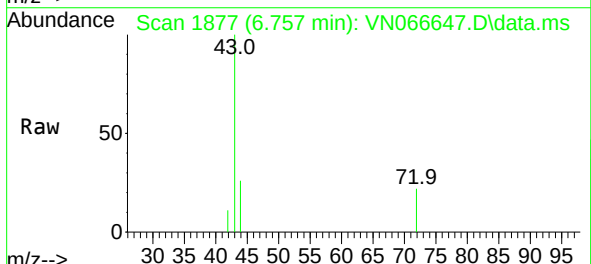


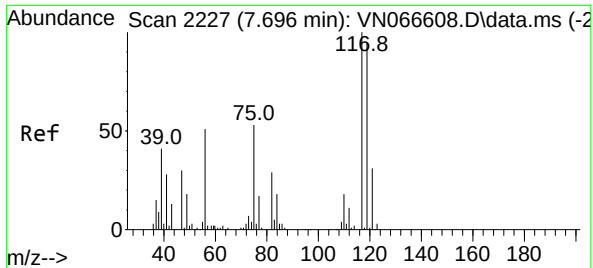
Tgt Ion: 75 Resp: 18544
Ion Ratio Lower Upper
75 100
110 7.3 18.2 54.6#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 1.11 ug/l
RT: 6.757 min Scan# 1877
Delta R.T. -0.086 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

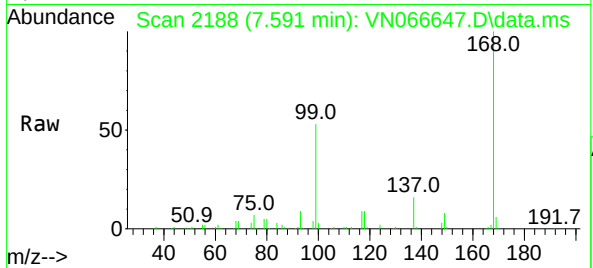
Tgt Ion: 43 Resp: 4893
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



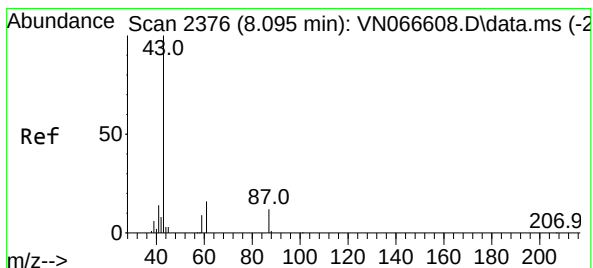
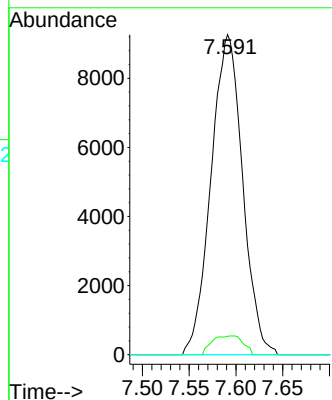
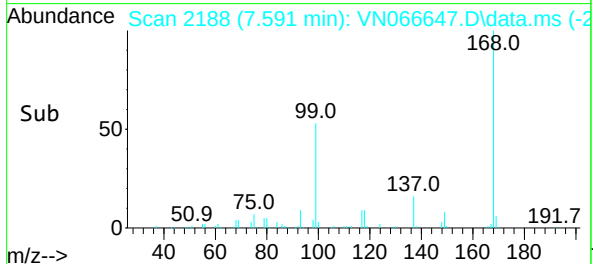


#38
Carbon Tetrachloride
Concen: 5.97 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.105 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

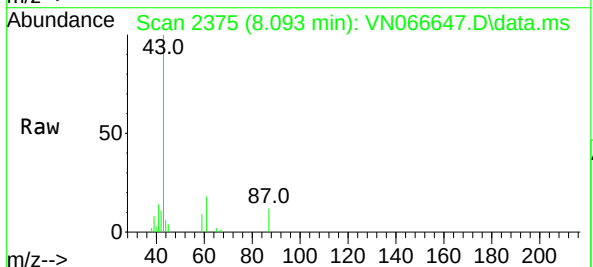
Instrument :
MSVOA_N
ClientSampled :
TP-1



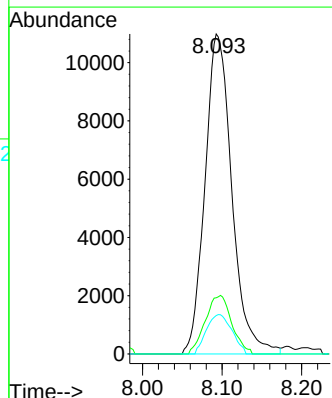
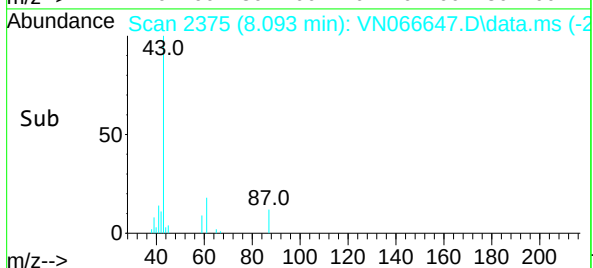
Tgt Ion:117 Resp: 21795
Ion Ratio Lower Upper
117 100
119 5.7 76.0 114.0#
121 0.0 24.5 36.7#

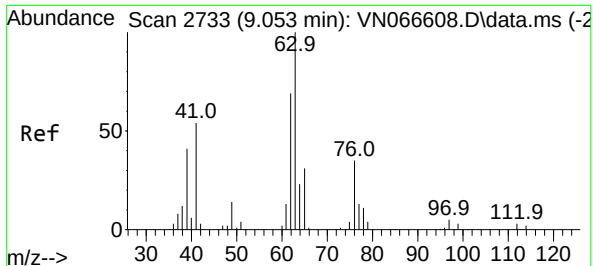


#43
Isopropyl Acetate
Concen: 3.50 ug/l
RT: 8.093 min Scan# 2375
Delta R.T. -0.002 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38



Tgt Ion: 43 Resp: 25842
Ion Ratio Lower Upper
43 100
61 17.9 22.5 33.7#
87 11.6 11.1 16.7

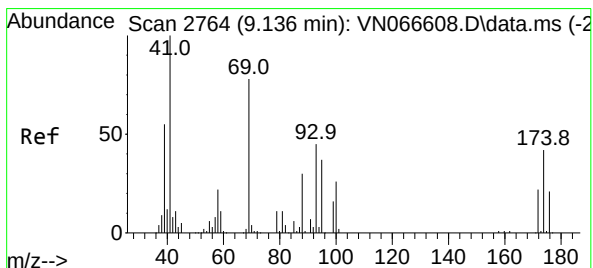
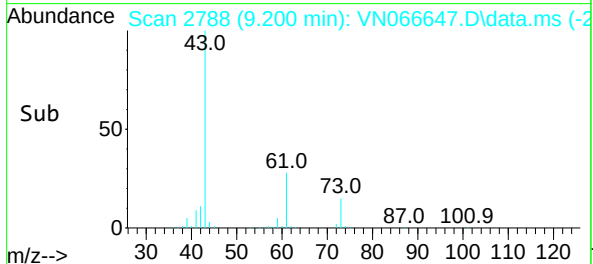
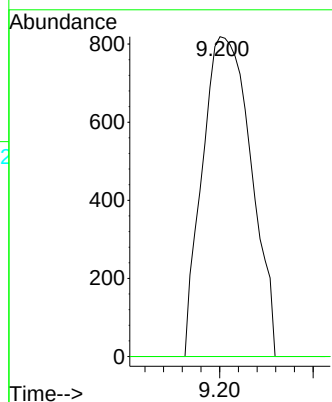
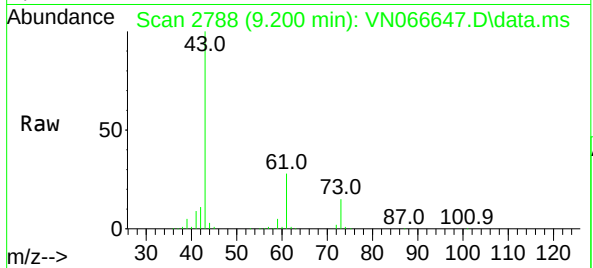




#45
1,2-Dichloropropane
Concen: 0.43 ug/l
RT: 9.200 min Scan# 2788
Delta R.T. 0.147 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

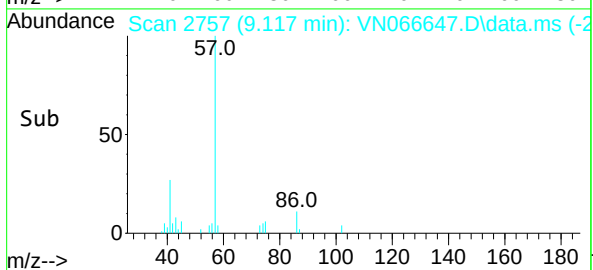
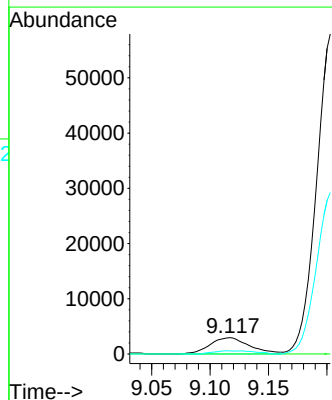
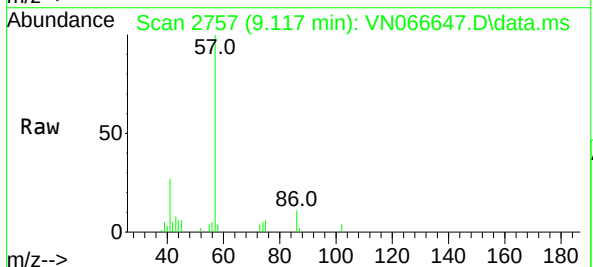
Instrument :
MSVOA_N
ClientSampled :
TP-1

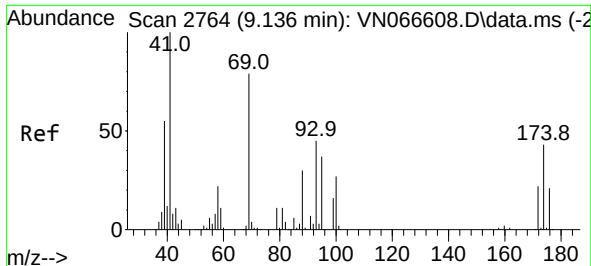
Tgt Ion: 63 Resp: 1481
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 2.09 ug/l
RT: 9.117 min Scan# 2757
Delta R.T. -0.019 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

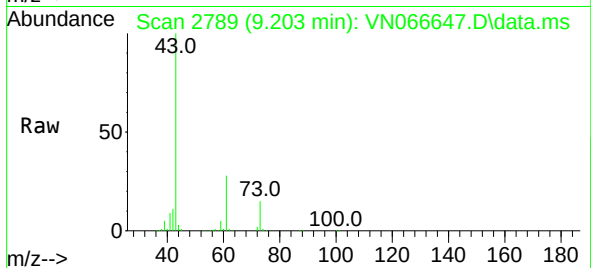
Tgt Ion: 41 Resp: 6939
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



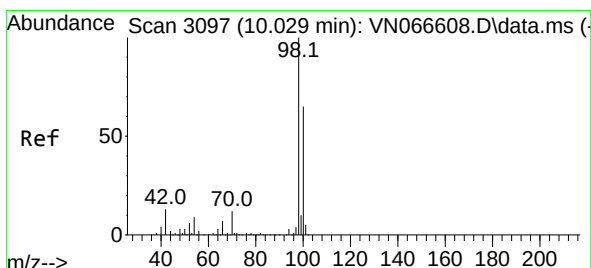
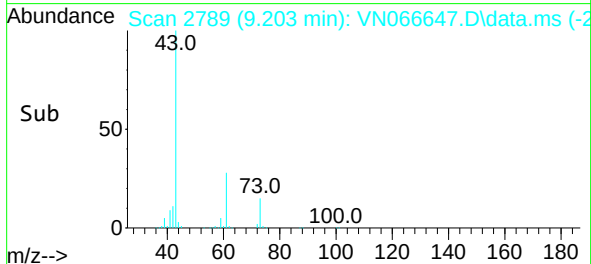
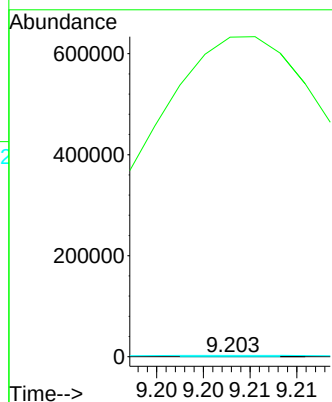


#49
1,4-Dioxane
Concen: Below Cal
RT: 9.203 min Scan# 2789
Delta R.T. 0.067 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

Instrument :
MSVOA_N
ClientSampled :
TP-1

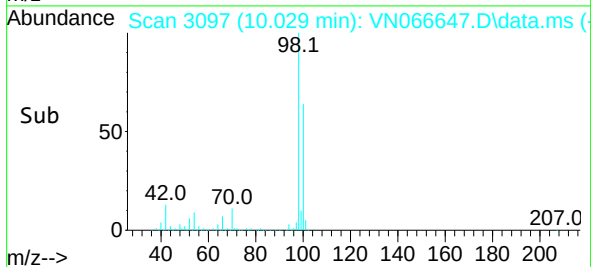
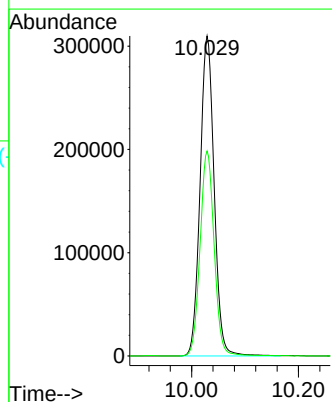
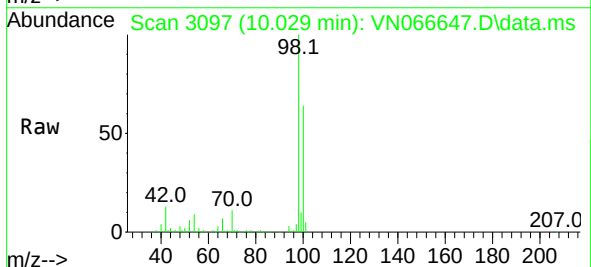


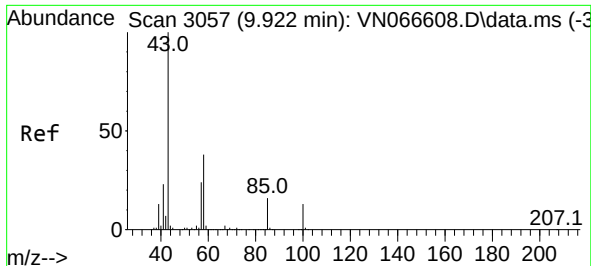
Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 4743912.0 24.7 37.1#
58 21320.0 52.6 78.8#



#50
Toluene-d8
Concen: 54.03 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

Tgt Ion: 98 Resp: 567621
Ion Ratio Lower Upper
98 100
100 64.0 50.5 75.7

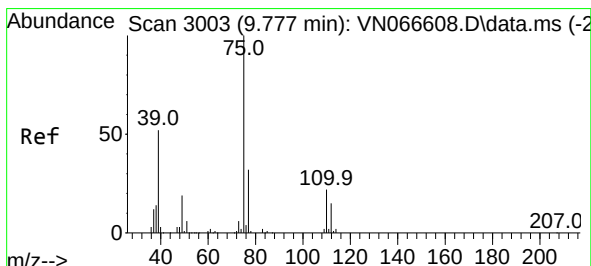
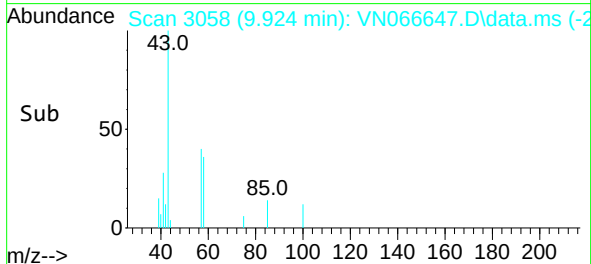
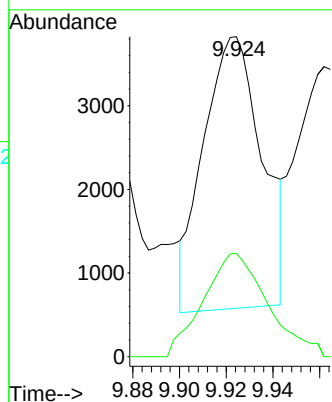
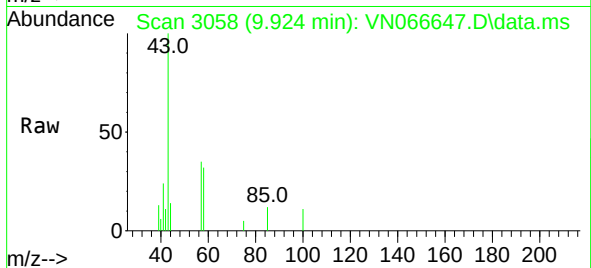




#51
4-Methyl-2-Pentanone
Concen: 1.30 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

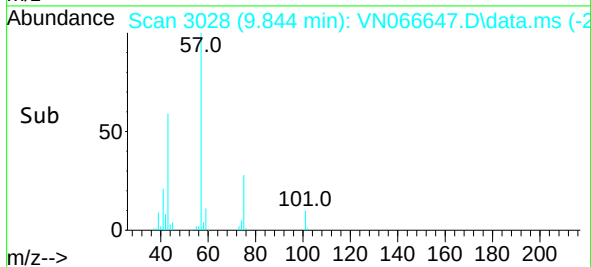
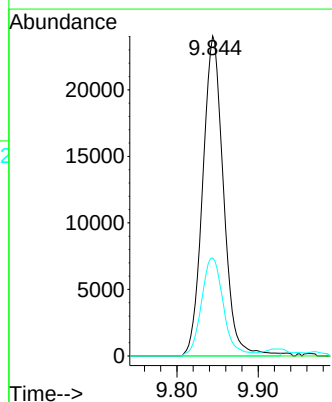
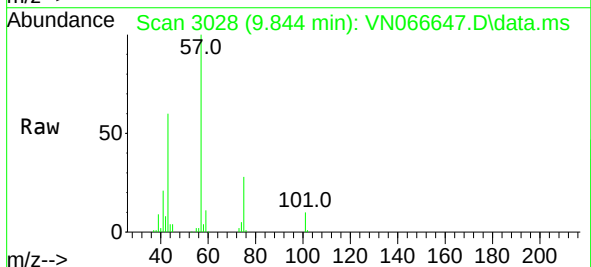
Instrument :
MSVOA_N
ClientSampleId :
TP-1

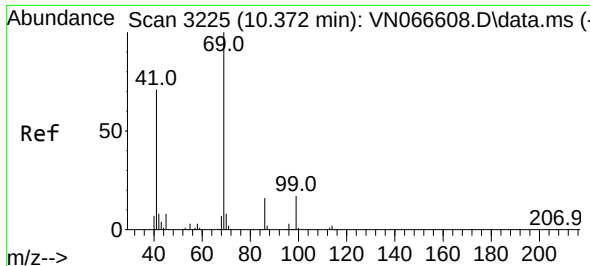
Tgt Ion: 43 Resp: 5652
Ion Ratio Lower Upper
43 100
58 41.8 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 8.37 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

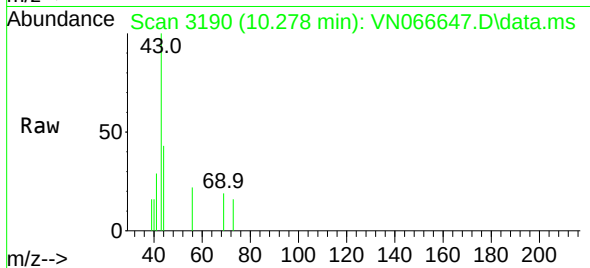
Tgt Ion: 75 Resp: 42617
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 30.7 36.2 54.4#



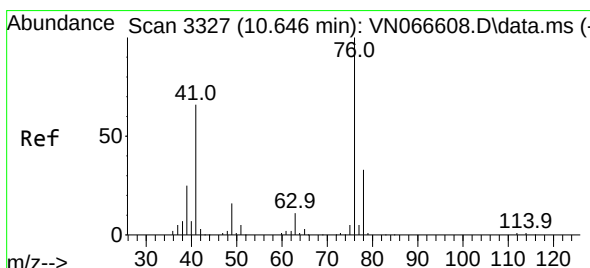
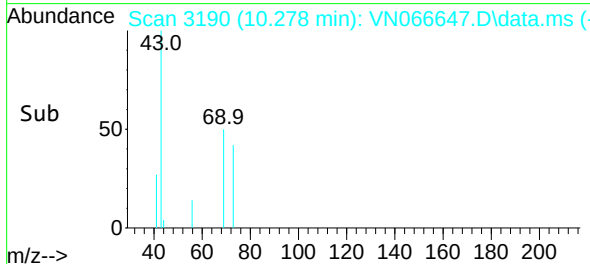
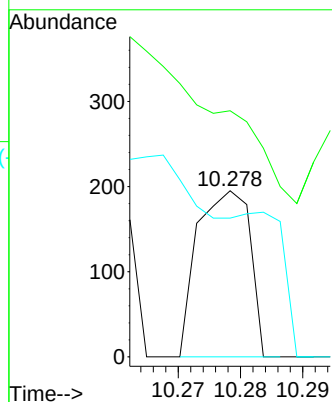


#56
Ethyl methacrylate
Concen: 0.92 ug/l
RT: 10.278 min Scan# 3190
Delta R.T. -0.094 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

Instrument :
MSVOA_N
ClientSampled :
TP-1

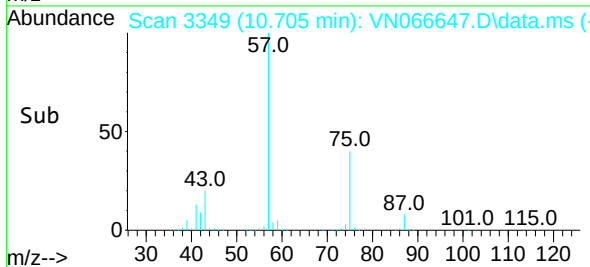
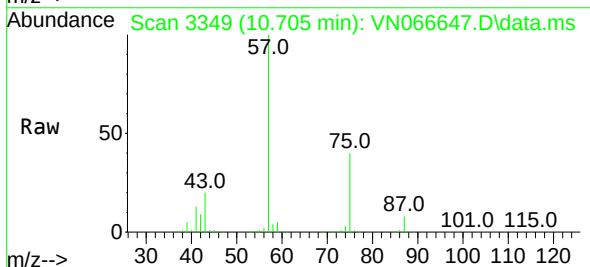
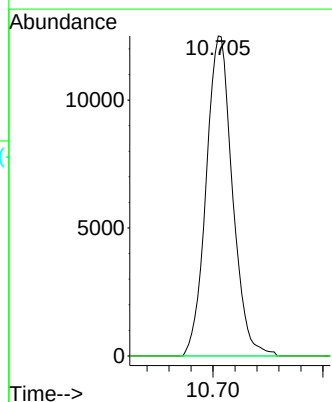


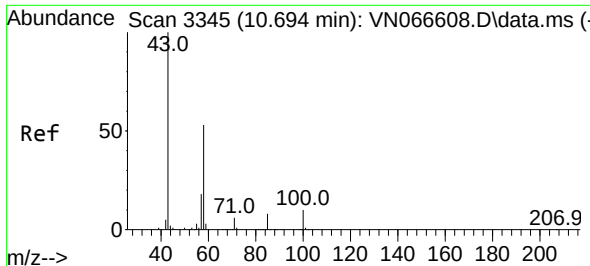
Tgt Ion: 69 Resp: 114
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 4.07 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

Tgt Ion: 76 Resp: 20719
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

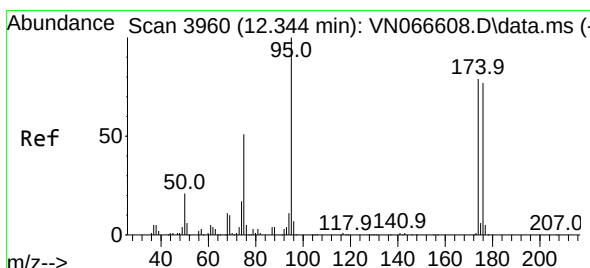
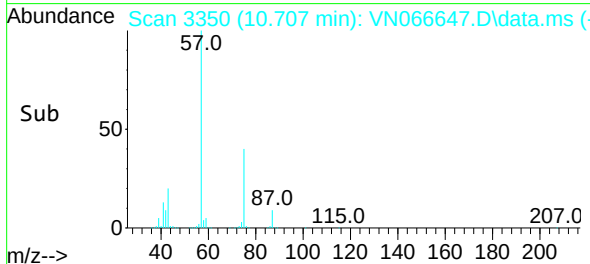
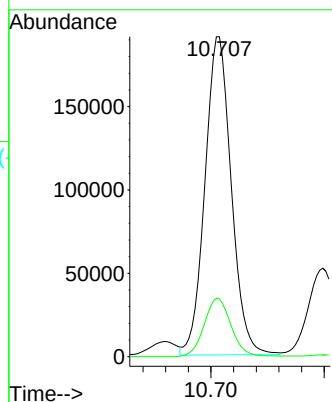
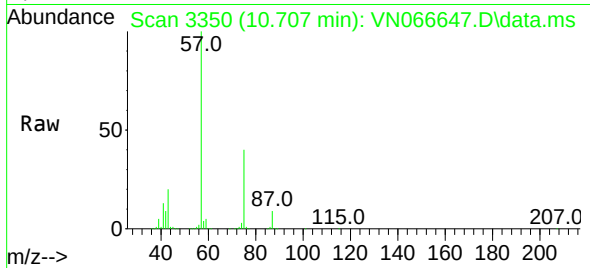




#59
2-Hexanone
Concen: 102.45 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.013 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

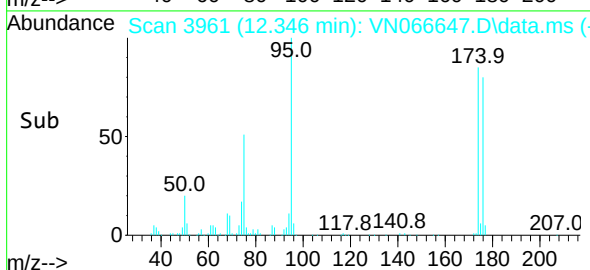
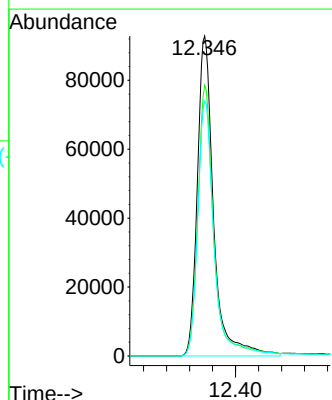
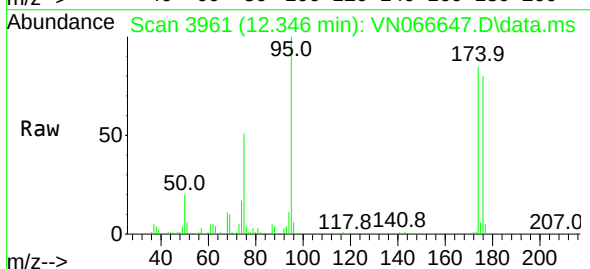
Instrument :
MSVOA_N
ClientSampled :
TP-1

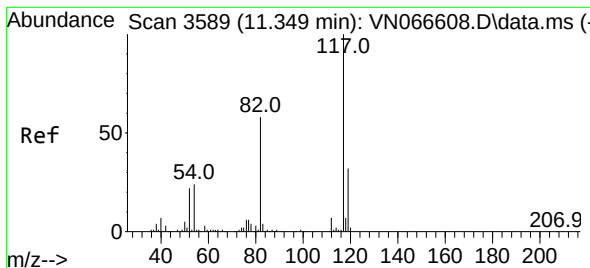
Tgt Ion: 43 Resp: 307900
Ion Ratio Lower Upper
43 100
58 18.9 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 49.34 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.002 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

Tgt Ion: 95 Resp: 182268
Ion Ratio Lower Upper
95 100
174 83.7 0.0 169.0
176 79.6 0.0 162.4

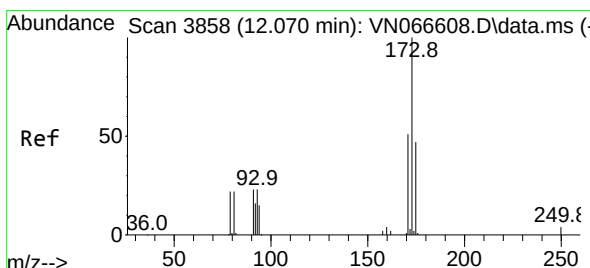
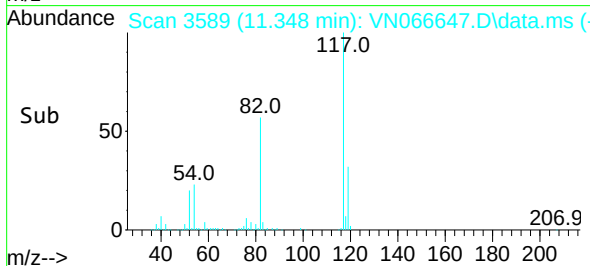
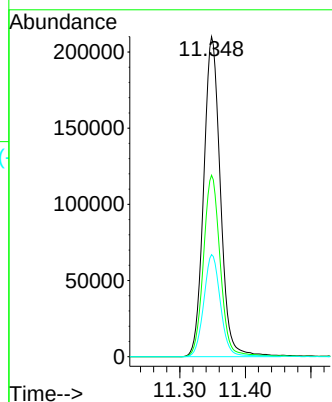
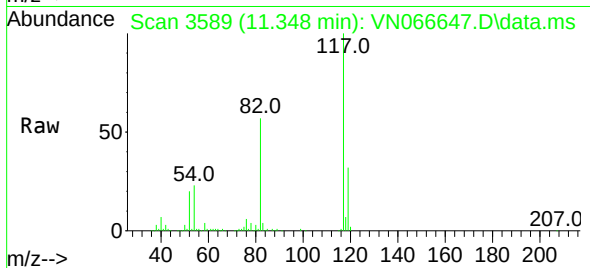




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

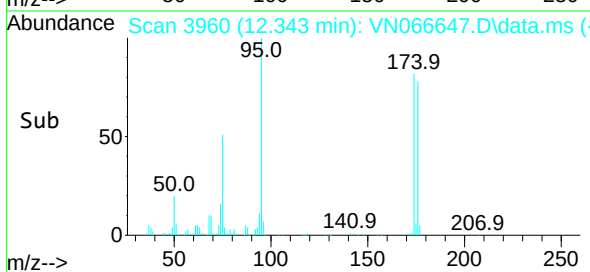
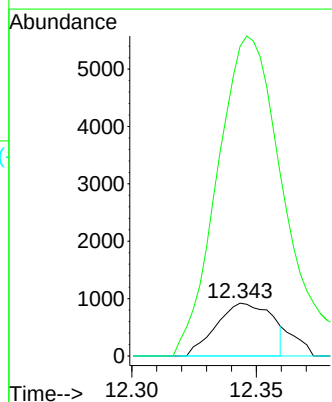
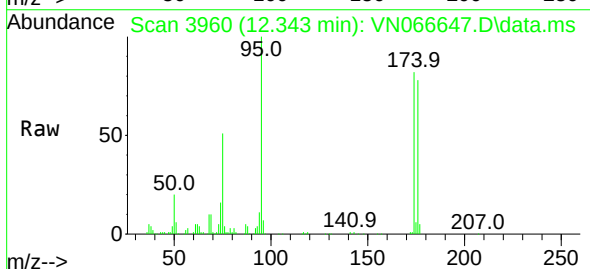
Instrument :
MSVOA_N
ClientSampled :
TP-1

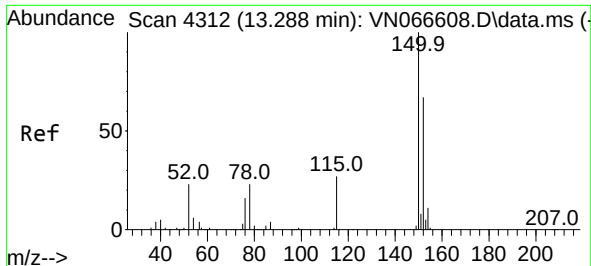
Tgt Ion:117 Resp: 371200
Ion Ratio Lower Upper
117 100
82 56.7 43.7 65.5
119 31.9 26.1 39.1



#71
Bromoform
Concen: 0.65 ug/l
RT: 12.343 min Scan# 3960
Delta R.T. 0.273 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

Tgt Ion:173 Resp: 1431
Ion Ratio Lower Upper
173 100
175 603.1 23.8 71.2#
254 0.0 0.0 0.0

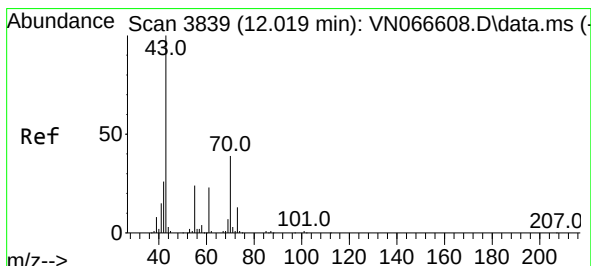
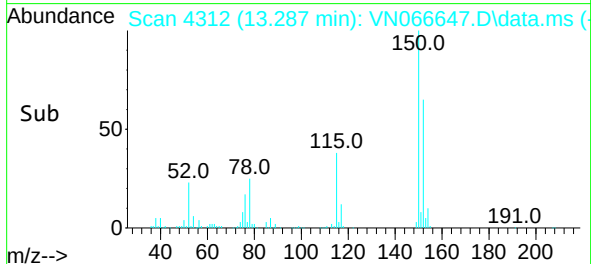
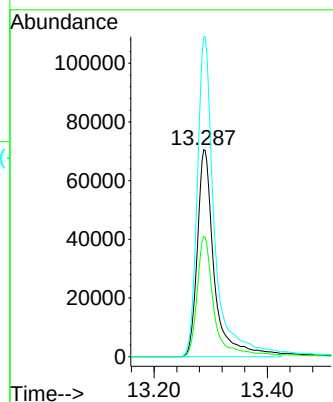
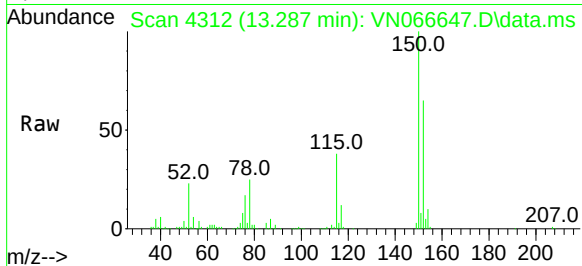




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.287 min Scan# 4312
Delta R.T. -0.001 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

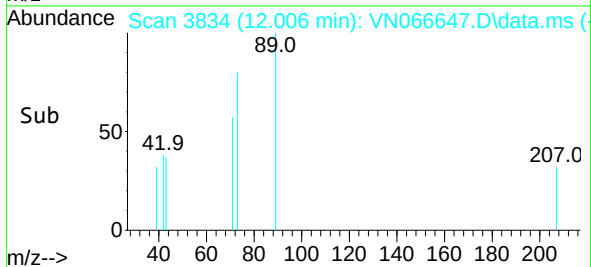
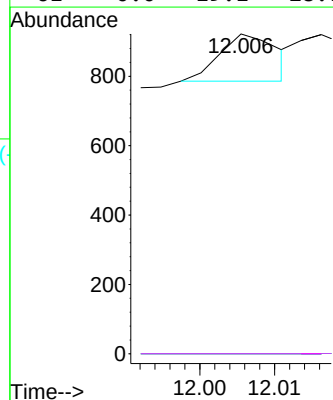
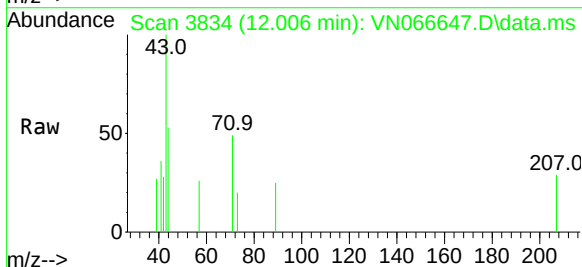
Instrument :
MSVOA_N
ClientSampled :
TP-1

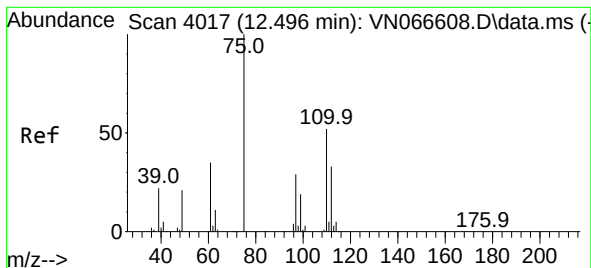
Tgt Ion:152 Resp: 147233
Ion Ratio Lower Upper
152 100
115 58.0 28.5 85.6
150 156.1 0.0 347.6



#74
N-ethyl acetate
Concen: 9.74 ug/l
RT: 12.006 min Scan# 3834
Delta R.T. -0.014 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

Tgt Ion: 43 Resp: 73
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#

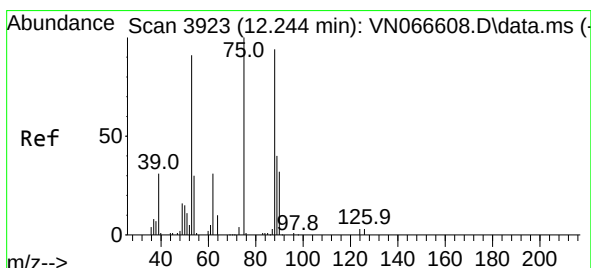
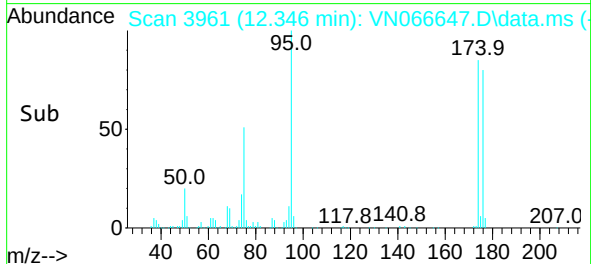
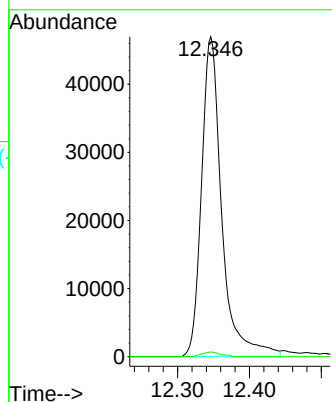
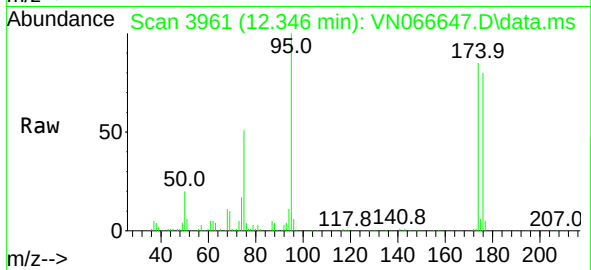




#76
1,2,3-Trichloropropane
Concen: 26.69 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

Instrument :
MSVOA_N
ClientSampled :
TP-1

Tgt Ion: 75 Resp: 91899
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.28 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066647.D
Acq: 16 Apr 2021 23:38

Tgt Ion: 75 Resp: 91899
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.2 35.8 53.8#

