

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040721\
 Data File : VN066525.D
 Acq On : 7 Apr 2021 22:54
 Operator : JC/MD
 Sample : PB135583ZH#14
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 08 02:00:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 06 15:38:34 2021
 Response via : Initial Calibration

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

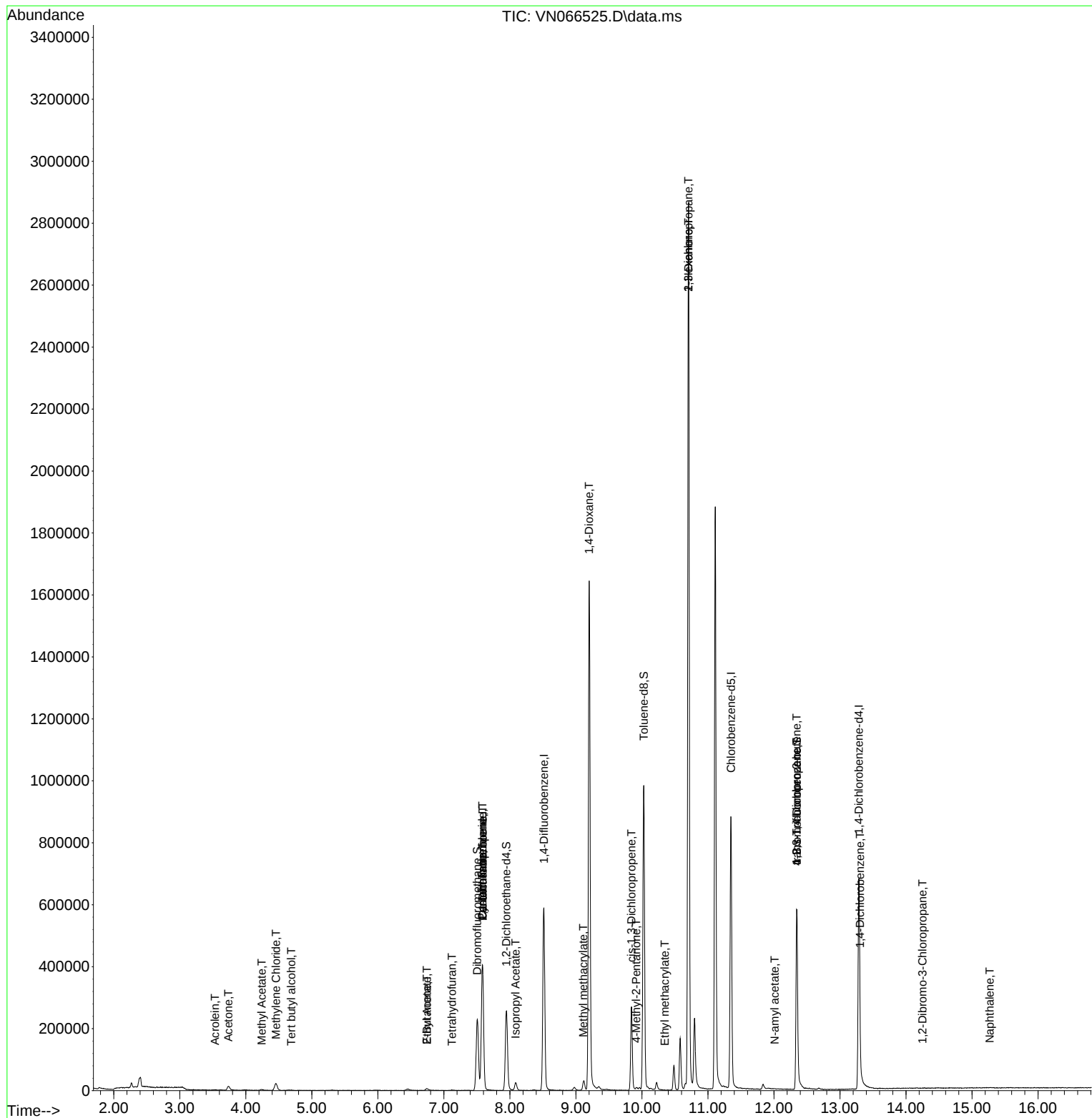
Internal Standards						
1) Pentafluorobenzene	7.587	168	349492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	522384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	507132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	219560	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	221901	48.21	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.42%		
35) Dibromofluoromethane	7.507	113	176890	49.68	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.36%		
50) Toluene-d8	10.028	98	669872	49.52	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.04%		
62) 4-Bromofluorobenzene	12.348	95	205107	46.76	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.52%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.688	59	824	1.11	ug/l #	85
13) Acrolein	3.532	56	456	4.78	ug/l #	23
16) Acetone	3.736	43	21758	11.28	ug/l #	88
18) Methyl Acetate	4.240	43	3555	0.74	ug/l #	90
20) Methylene Chloride	4.457	84	15957	3.85	ug/l	94
25) 2-Butanone	6.745	43	10322	3.57	ug/l	97
29) Tetrahydrofuran	7.123	42	511	0.26	ug/l #	54
31) Cyclohexane	7.585	56	7359	1.16	ug/l #	10
36) 1,1-Dichloropropene	7.587	75	25396	5.00	ug/l #	46
37) Ethyl Acetate	6.745	43	10322	1.64	ug/l #	69
38) Carbon Tetrachloride	7.585	117	31242	6.07	ug/l #	16
43) Isopropyl Acetate	8.089	43	30725	3.16	ug/l #	91
48) Methyl methacrylate	9.113	41	8192	1.90	ug/l #	12
49) 1,4-Dioxane	9.199	88	57	0.97	ug/l #	1
51) 4-Methyl-2-Pentanone	9.915	43	6296	1.09	ug/l	91
54) cis-1,3-Dichloropropene	9.843	75	48205	7.44	ug/l #	60
56) Ethyl methacrylate	10.347	69	115	3.74	ug/l #	22
57) 1,3-Dichloropropane	10.706	76	29433	4.52	ug/l #	42
59) 2-Hexanone	10.706	43	417520	100.58	ug/l #	53
74) N-amyl acetate	12.010	43	1007	12.87	ug/l #	63
76) 1,2,3-Trichloropropane	12.345	75	106635	21.53	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	106635	60.04	ug/l #	12
88) 1,4-Dichlorobenzene	13.302	146	53	1.01	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.252	75	50	0.38	ug/l #	1
95) Naphthalene	15.268	128	216	1.99	ug/l #	69

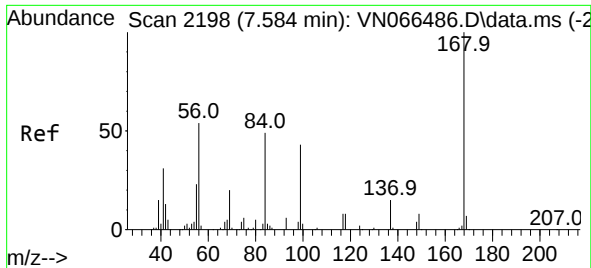
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN066525.D
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ClientSampleId :

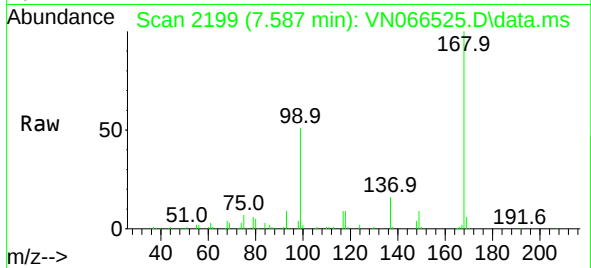
Quant Time: Apr 08 02:00:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 06 15:38:34 2021
Response via : Initial Calibration



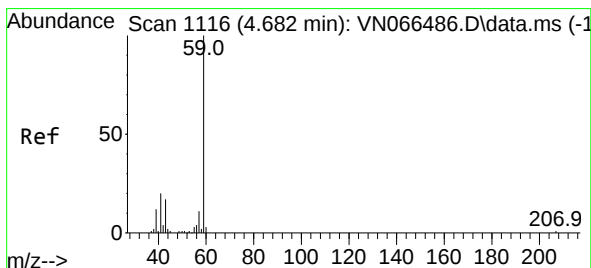
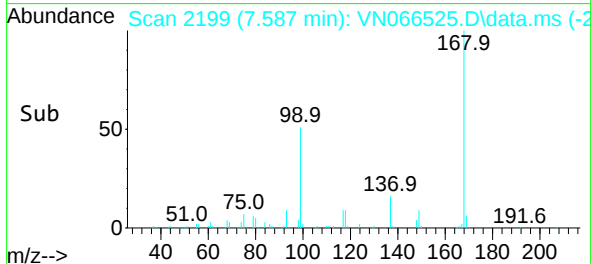
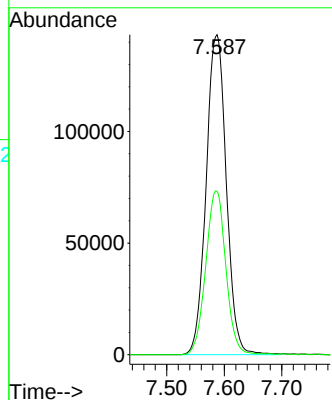


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.003 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

Instrument :
MSVOA_N
ClientSampled :

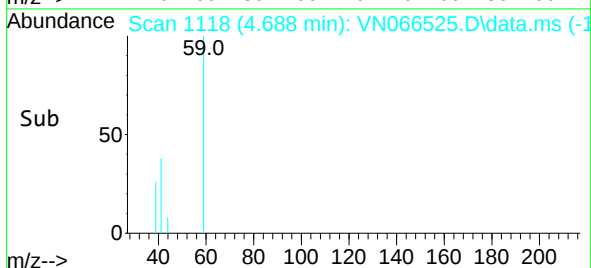
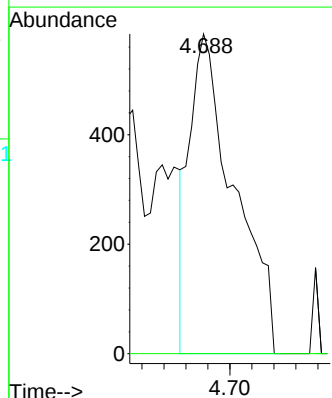
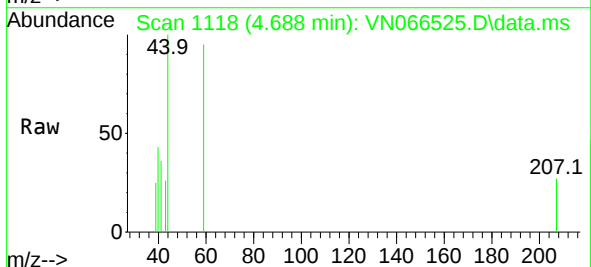


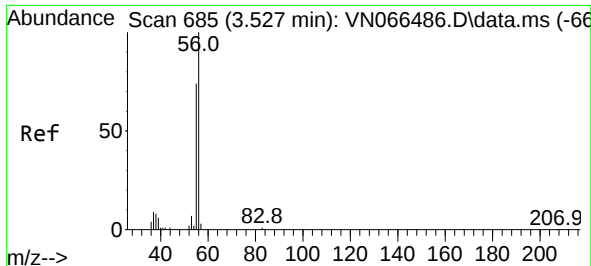
Tgt Ion:168 Resp: 349492
Ion Ratio Lower Upper
168 100
99 51.1 41.1 61.7



#11
Tert butyl alcohol
Concen: 1.11 ug/l
RT: 4.688 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

Tgt Ion: 59 Resp: 824
Ion Ratio Lower Upper
59 100
57 0.0 4.1 6.1#

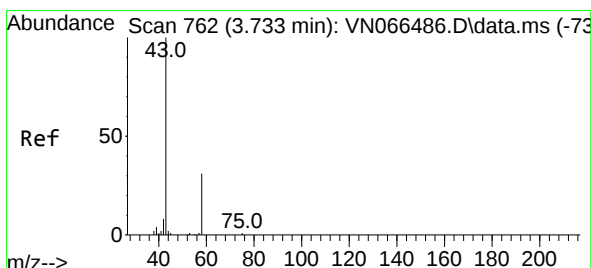
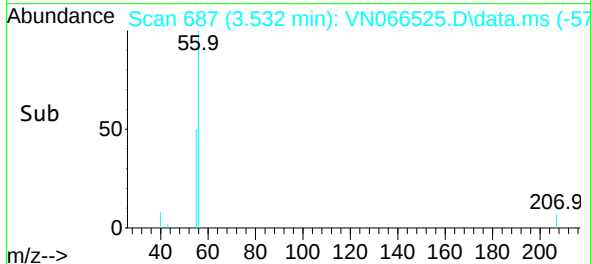
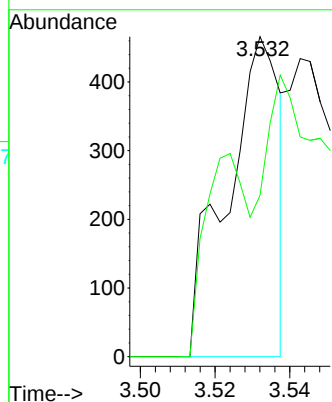
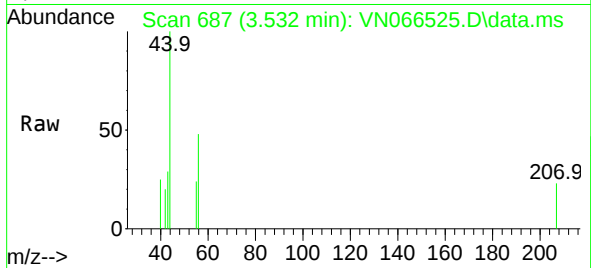




#13
Acrolein
Concen: 4.78 ug/l
RT: 3.532 min Scan# 687
Delta R.T. 0.005 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

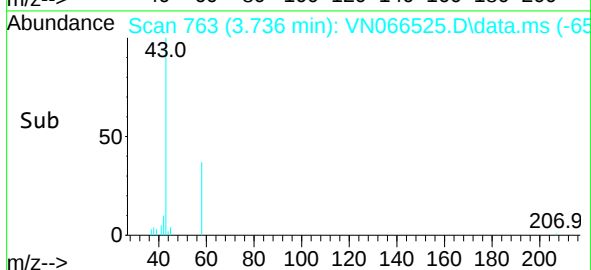
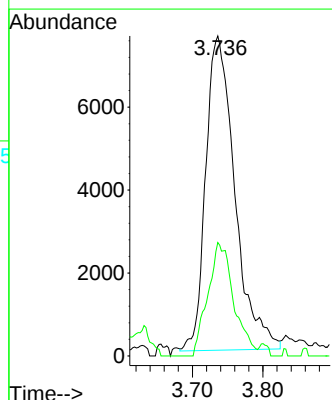
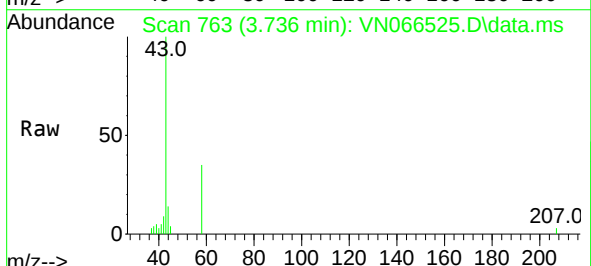
Instrument :
MSVOA_N
ClientSampled :

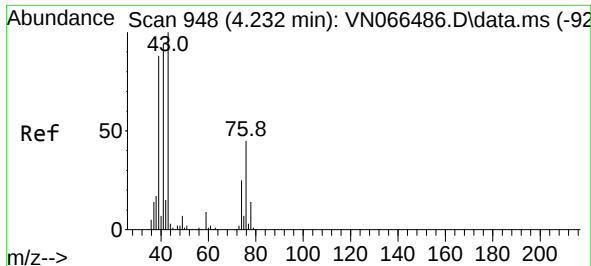
Tgt Ion: 56 Resp: 456
Ion Ratio Lower Upper
56 100
55 136.4 57.9 86.9#



#16
Acetone
Concen: 11.28 ug/l
RT: 3.736 min Scan# 763
Delta R.T. 0.003 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

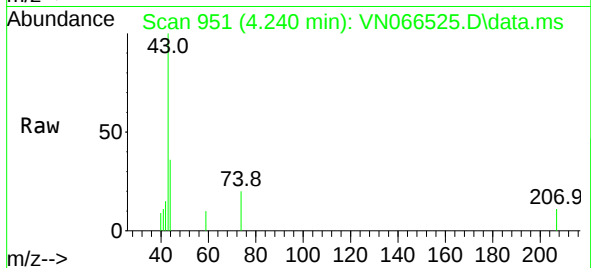
Tgt Ion: 43 Resp: 21758
Ion Ratio Lower Upper
43 100
58 36.2 23.8 35.8#



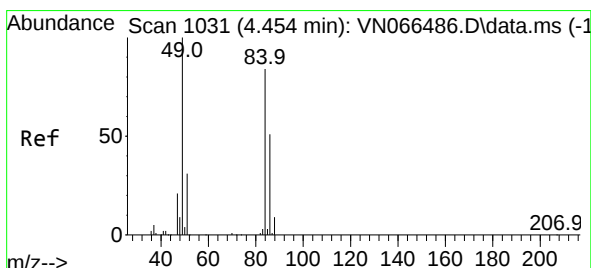
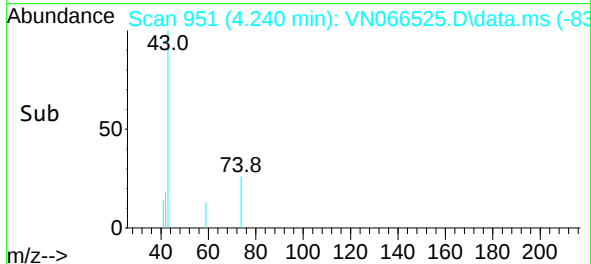
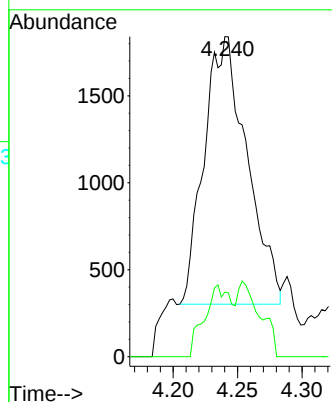


#18
Methyl Acetate
Concen: 0.74 ug/l
RT: 4.240 min Scan# 951
Delta R.T. 0.008 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

Instrument :
MSVOA_N
ClientSampleId :

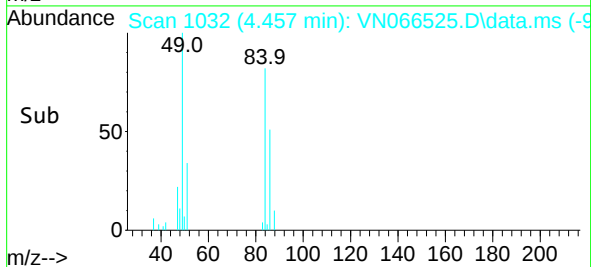
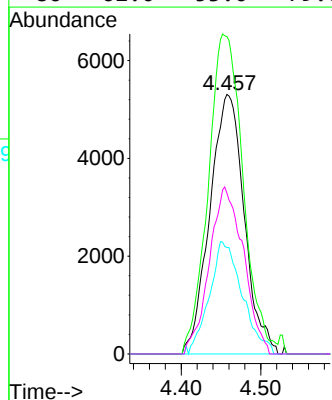
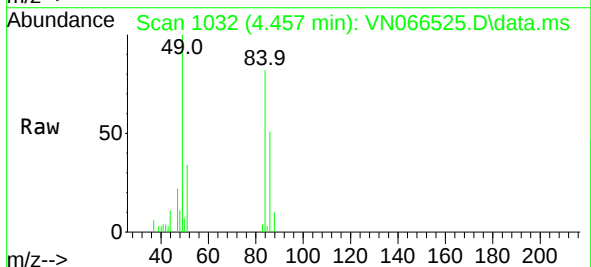


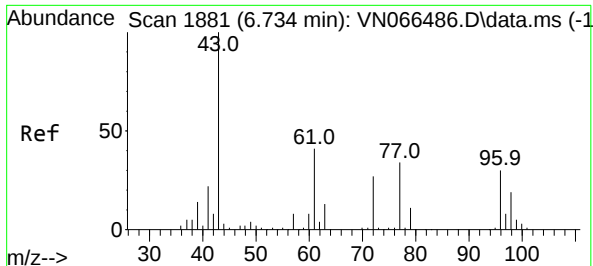
Tgt Ion: 43 Resp: 3555
Ion Ratio Lower Upper
43 100
74 17.0 17.6 26.4#



#20
Methylene Chloride
Concen: 3.85 ug/l
RT: 4.457 min Scan# 1032
Delta R.T. 0.003 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

Tgt Ion: 84 Resp: 15957
Ion Ratio Lower Upper
84 100
49 122.3 105.0 157.6
51 41.0 31.6 47.4
86 62.0 53.0 79.6

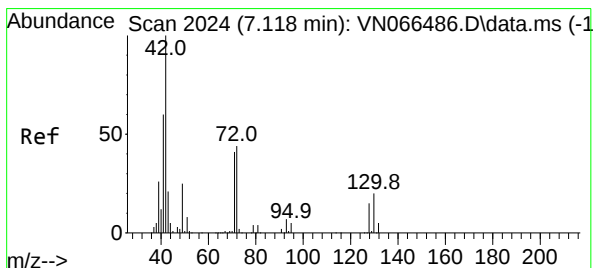
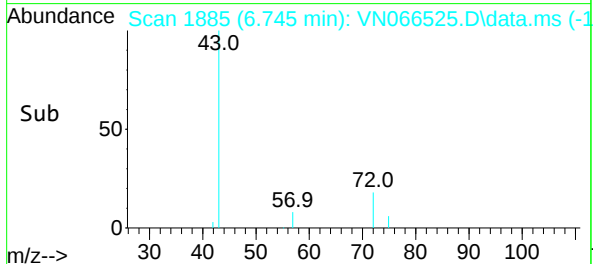
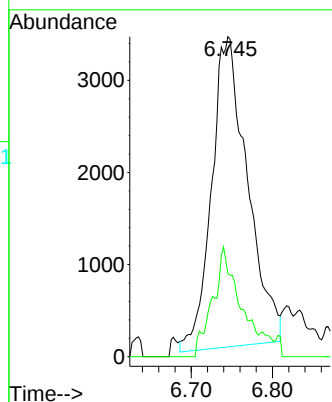
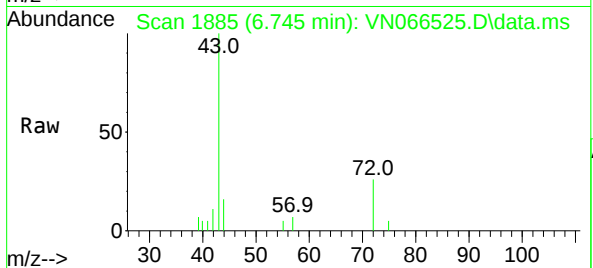




#25
2-Butanone
Concen: 3.57 ug/l
RT: 6.745 min Scan# 1885
Delta R.T. 0.011 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

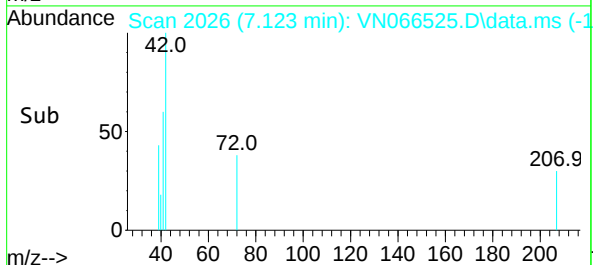
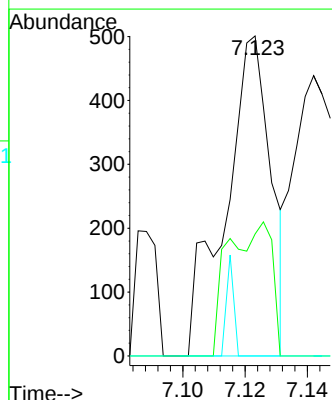
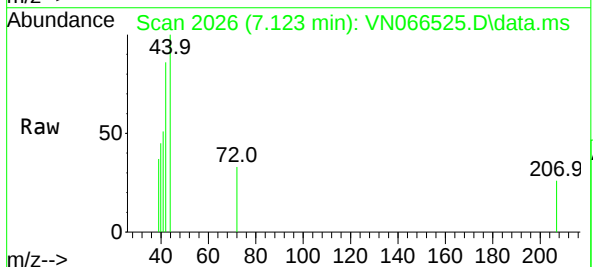
Instrument :
MSVOA_N
ClientSampled :

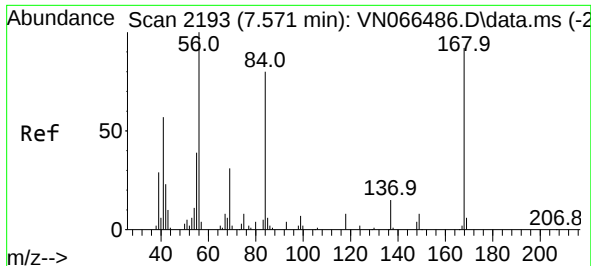
Tgt Ion: 43 Resp: 10322
Ion Ratio Lower Upper
43 100
72 27.2 20.7 31.1



#29
Tetrahydrofuran
Concen: 0.26 ug/l
RT: 7.123 min Scan# 2026
Delta R.T. 0.005 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

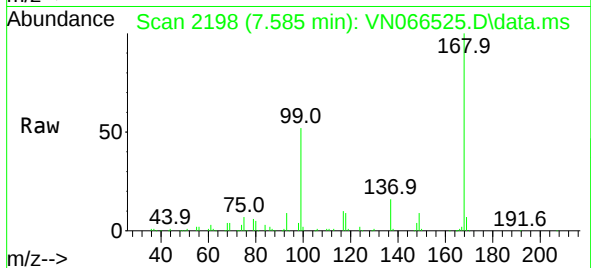
Tgt Ion: 42 Resp: 511
Ion Ratio Lower Upper
42 100
72 21.5 35.2 52.8#
71 4.9 33.1 49.7#



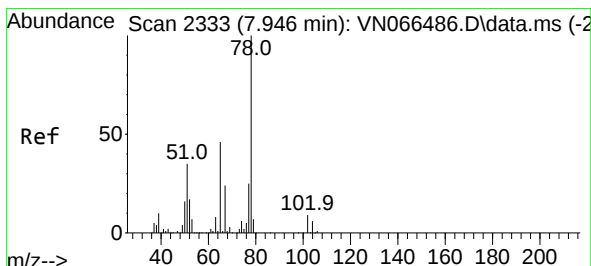
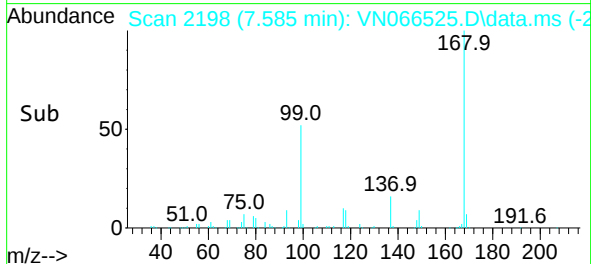
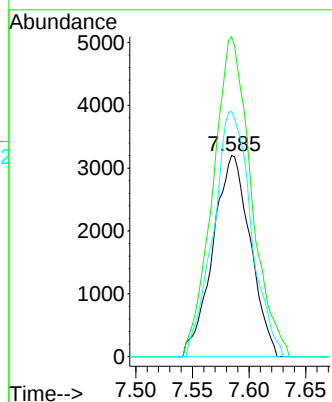


#31
Cyclohexane
Concen: 1.16 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. 0.014 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

Instrument :
MSVOA_N
ClientSampleId :

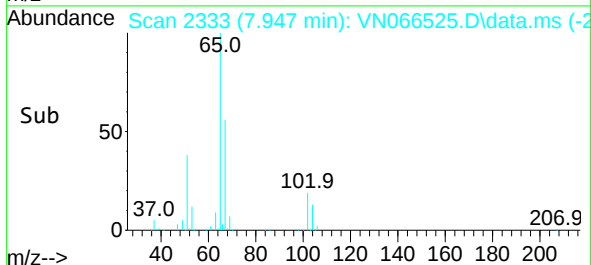
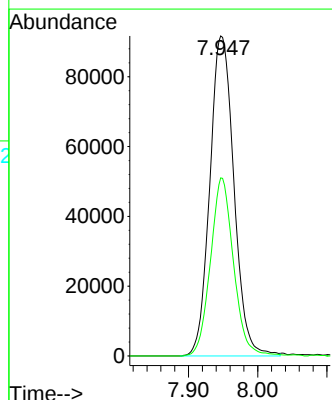
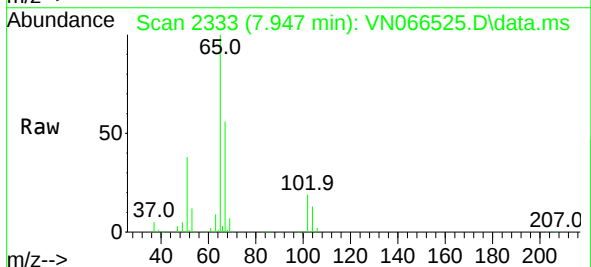


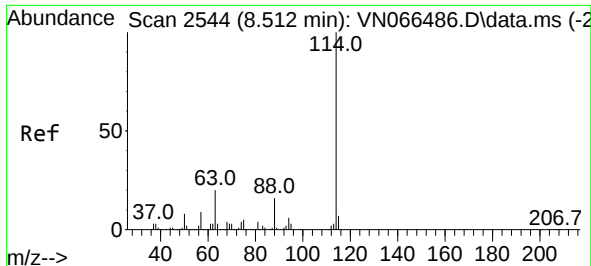
Tgt Ion: 56 Resp: 7359
Ion Ratio Lower Upper
56 100
69 159.1 26.6 40.0#
84 121.9 68.7 103.1#



#33
1,2-Dichloroethane-d4
Concen: 48.21 ug/l
RT: 7.947 min Scan# 2333
Delta R.T. 0.001 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

Tgt Ion: 65 Resp: 221901
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.2

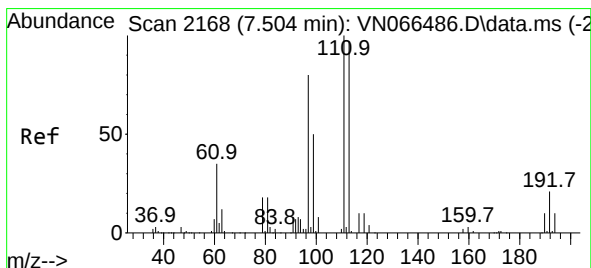
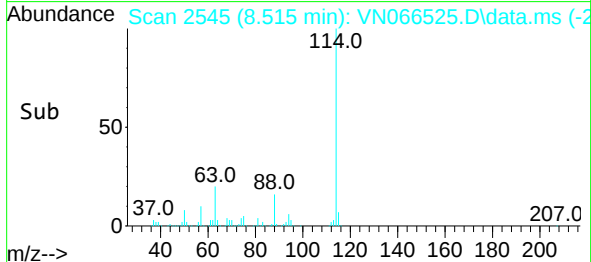
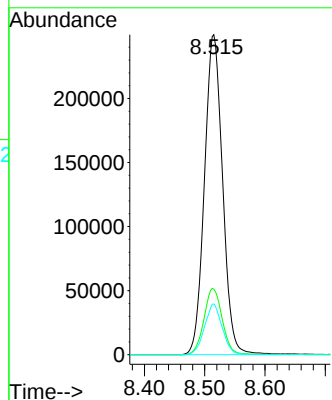
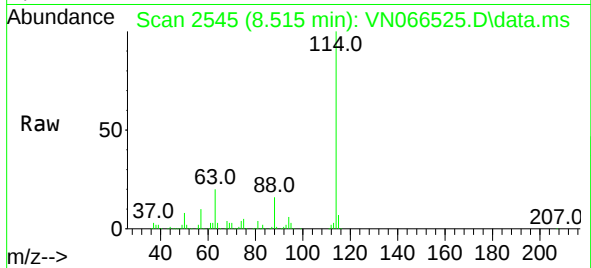




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.003 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

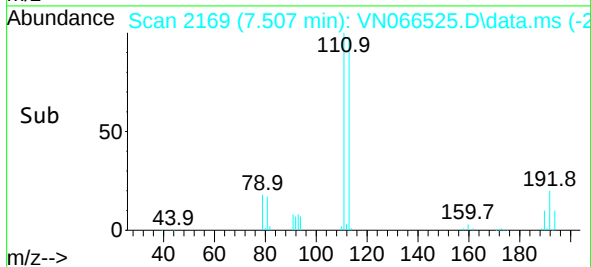
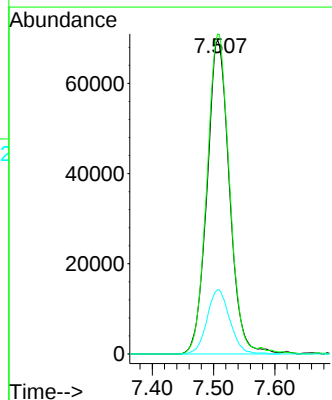
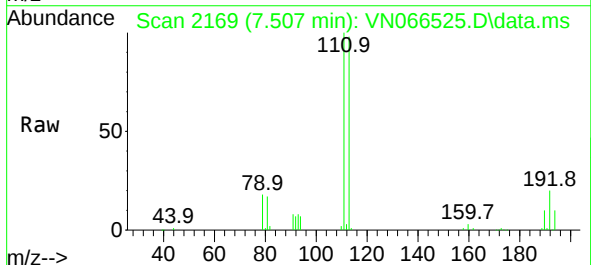
Instrument :
MSVOA_N
ClientSampled :

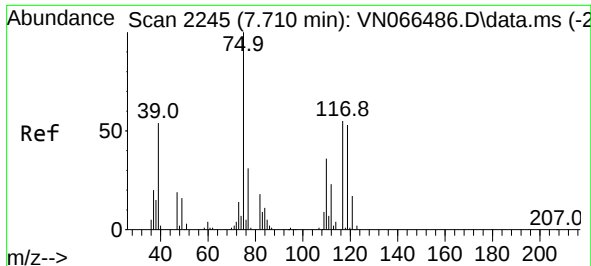
Tgt Ion:114 Resp: 522384
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.0
88 15.9 0.0 31.0



#35
Dibromofluoromethane
Concen: 49.68 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. 0.003 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

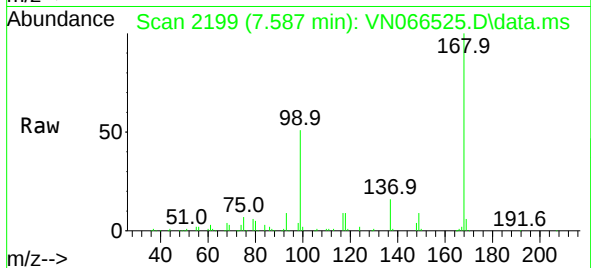
Tgt Ion:113 Resp: 176890
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.8
192 20.7 17.1 25.7



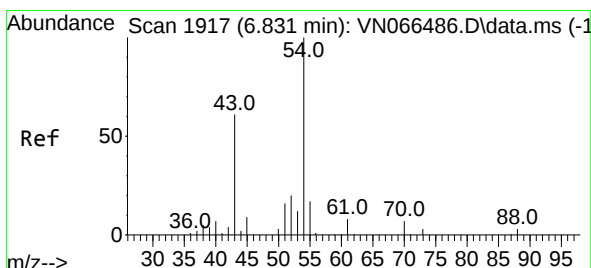
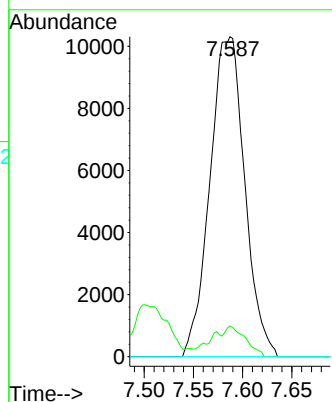
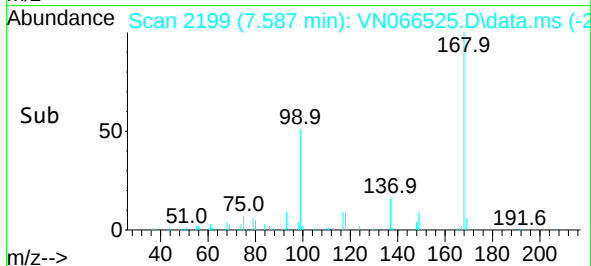


#36
1,1-Dichloropropene
Concen: 5.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.123 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

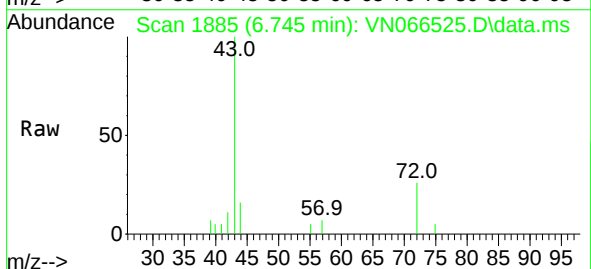
Instrument :
MSVOA_N
ClientSampleId :



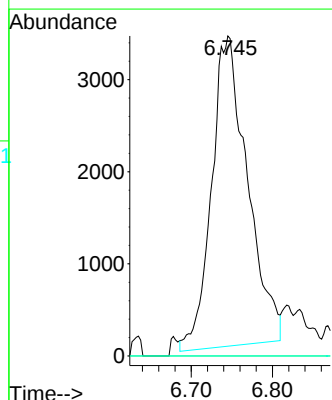
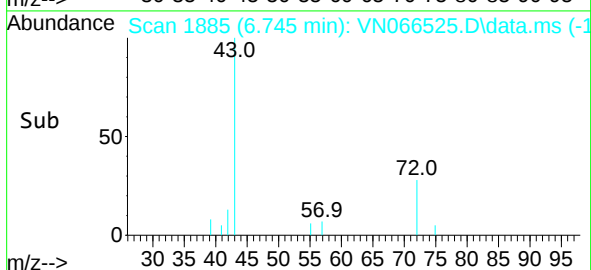
Tgt Ion: 75 Resp: 25396
Ion Ratio Lower Upper
75 100
110 5.7 18.1 54.3#
77 0.0 25.0 37.4#

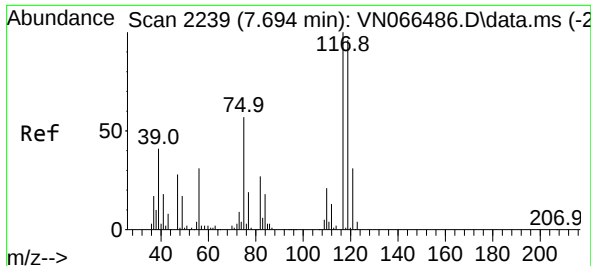


#37
Ethyl Acetate
Concen: 1.64 ug/l
RT: 6.745 min Scan# 1885
Delta R.T. -0.086 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54



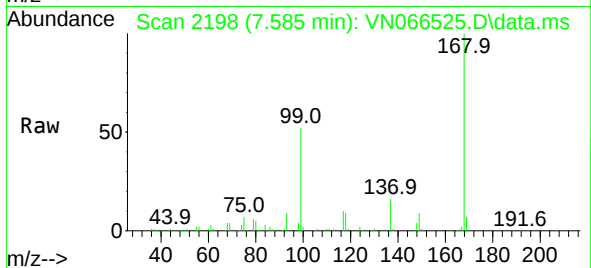
Tgt Ion: 43 Resp: 10322
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.0 12.0#



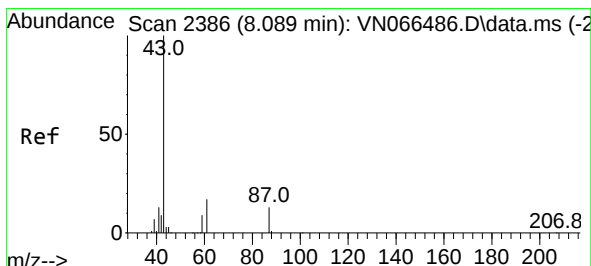
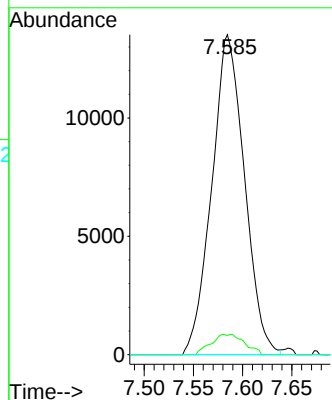
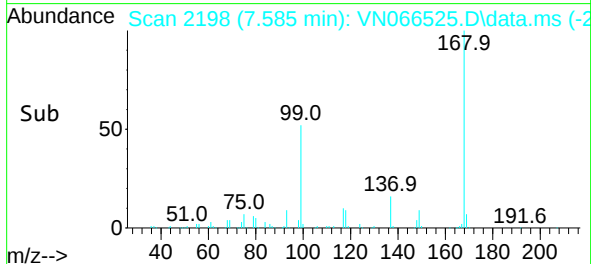


#38
Carbon Tetrachloride
Concen: 6.07 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.109 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

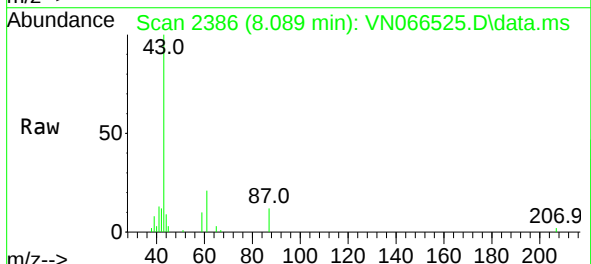
Instrument :
MSVOA_N
ClientSampled :



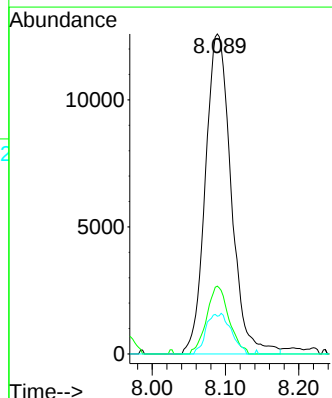
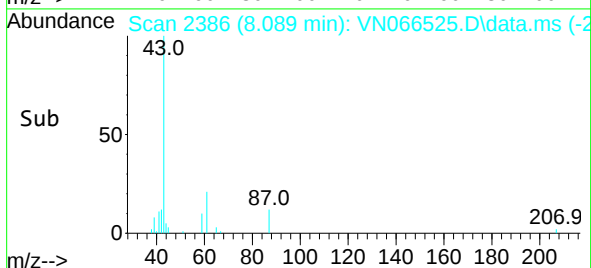
Tgt Ion: 117 Resp: 31242
Ion Ratio Lower Upper
117 100
119 6.0 77.2 115.8#
121 0.0 24.2 36.4#

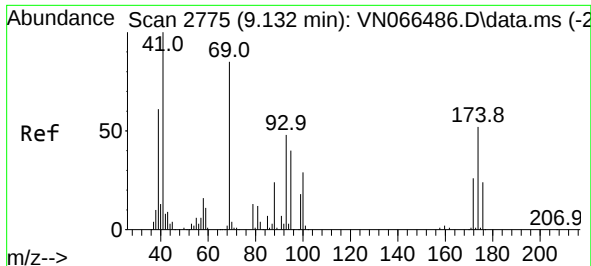


#43
Isopropyl Acetate
Concen: 3.16 ug/l
RT: 8.089 min Scan# 2386
Delta R.T. -0.000 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54



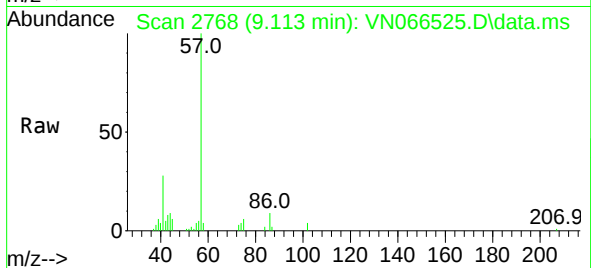
Tgt Ion: 43 Resp: 30725
Ion Ratio Lower Upper
43 100
61 18.4 15.5 23.3
87 5.8 10.5 15.7#



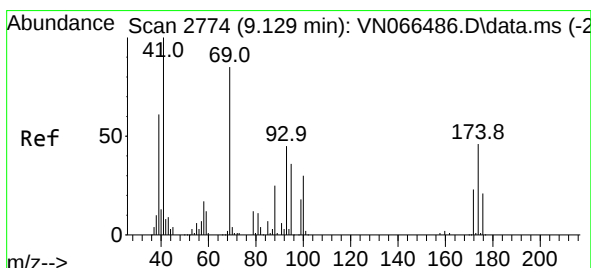
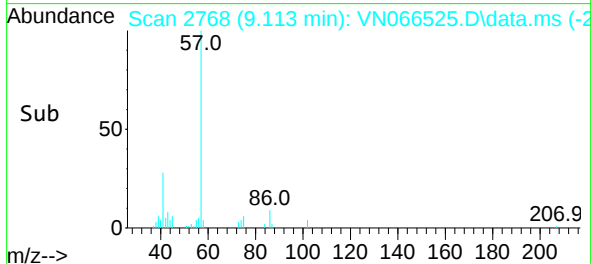
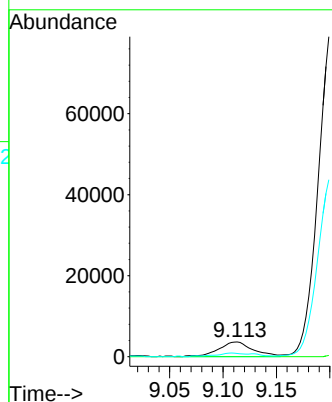


#48
Methyl methacrylate
Concen: 1.90 ug/l
RT: 9.113 min Scan# 2768
Delta R.T. -0.019 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

Instrument :
MSVOA_N
ClientSampled :

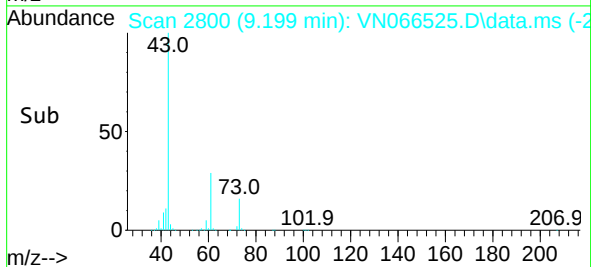
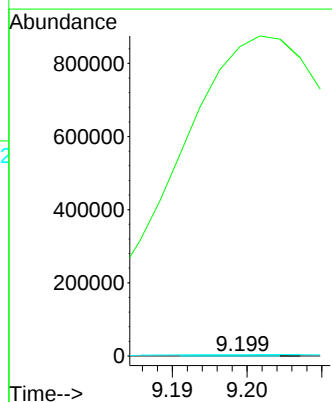
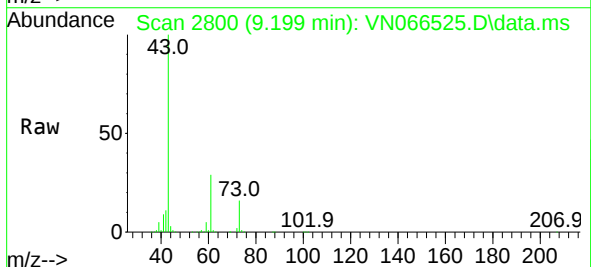


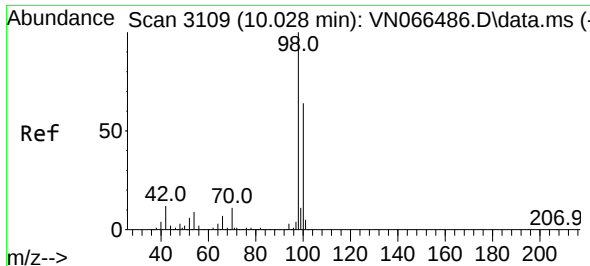
Tgt Ion: 41 Resp: 8192
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#



#49
1,4-Dioxane
Concen: 0.97 ug/l
RT: 9.199 min Scan# 2800
Delta R.T. 0.070 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 2868743.9 28.2 42.4#
58 13984.2 56.6 84.8#

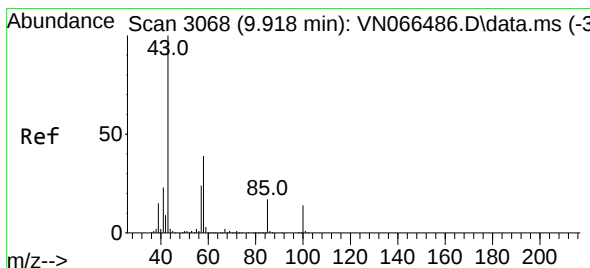
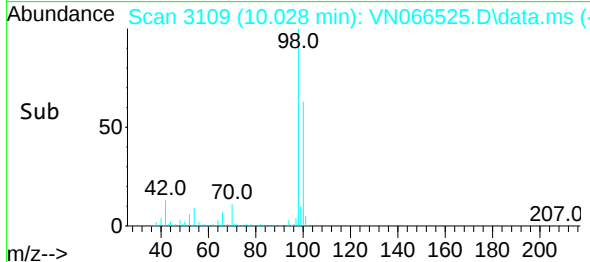
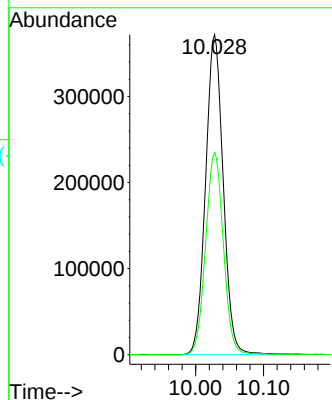
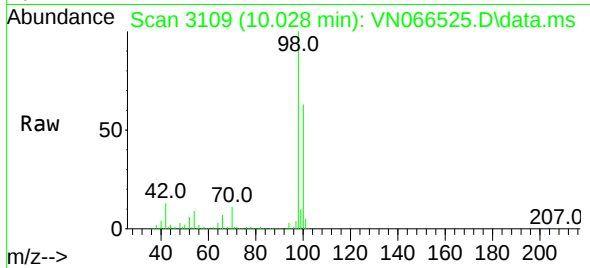




#50
Toluene-d8
Concen: 49.52 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

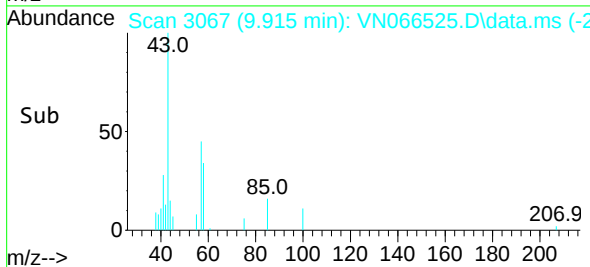
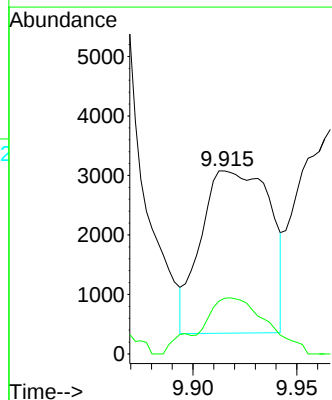
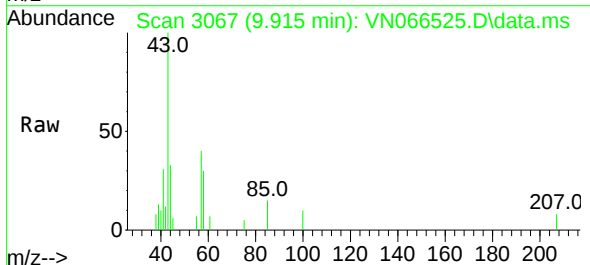
Instrument :
MSVOA_N
ClientSampled :

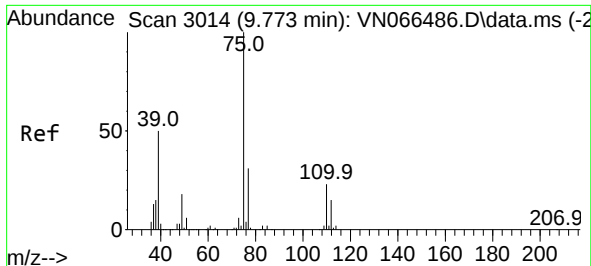
Tgt Ion: 98 Resp: 669872
Ion Ratio Lower Upper
98 100
100 63.8 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.09 ug/l
RT: 9.915 min Scan# 3067
Delta R.T. -0.003 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

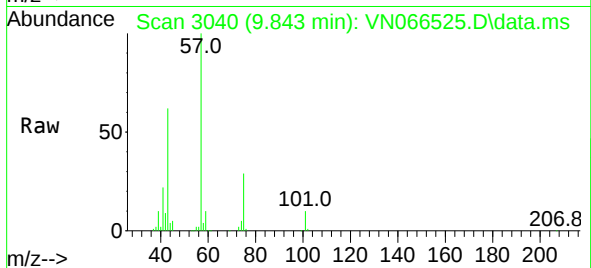
Tgt Ion: 43 Resp: 6296
Ion Ratio Lower Upper
43 100
58 33.3 30.8 46.2



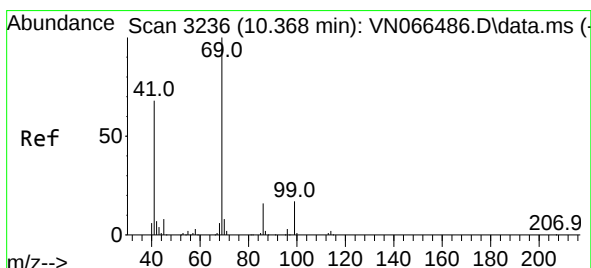
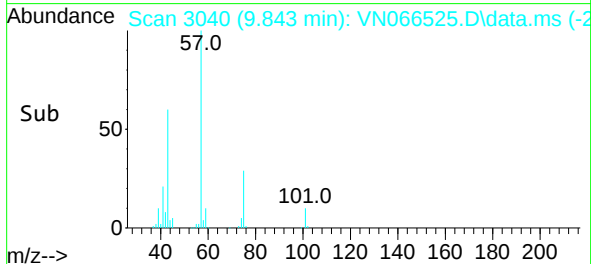
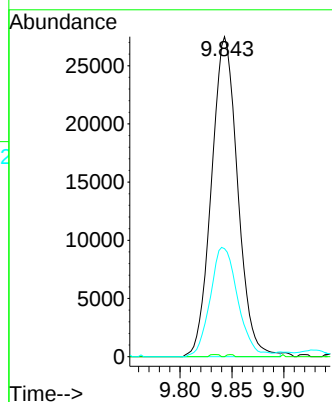


#54
cis-1,3-Dichloropropene
Concen: 7.44 ug/l
RT: 9.843 min Scan# 3040
Delta R.T. 0.070 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

Instrument :
MSVOA_N
ClientSampled :

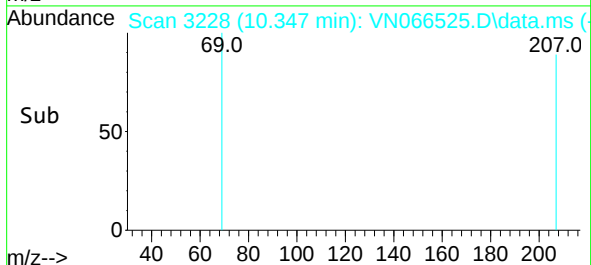
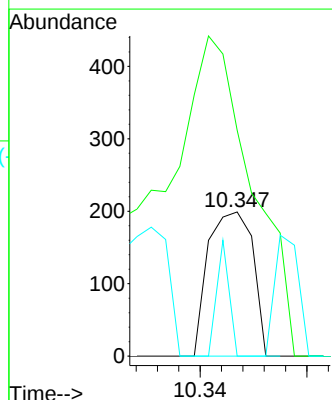
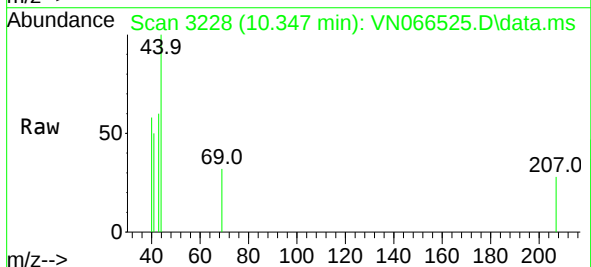


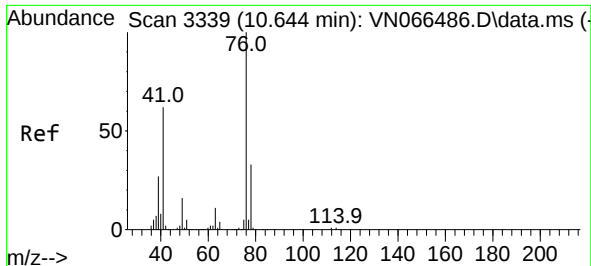
Tgt Ion: 75 Resp: 48205
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#
39 33.8 44.2 66.4#



#56
Ethyl methacrylate
Concen: 3.74 ug/l
RT: 10.347 min Scan# 3228
Delta R.T. -0.021 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

Tgt Ion: 69 Resp: 115
Ion Ratio Lower Upper
69 100
41 0.0 55.3 82.9#
39 0.0 33.8 50.6#

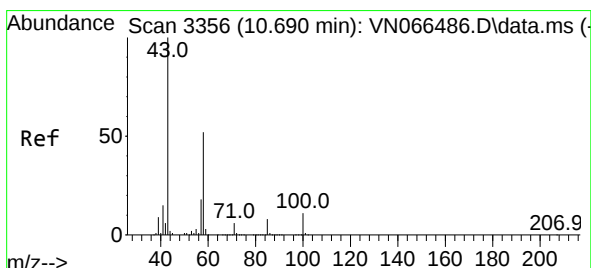
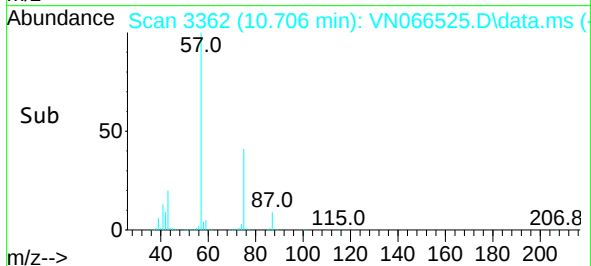
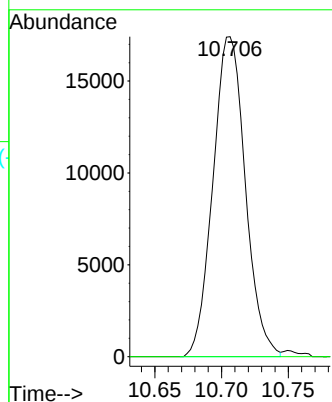
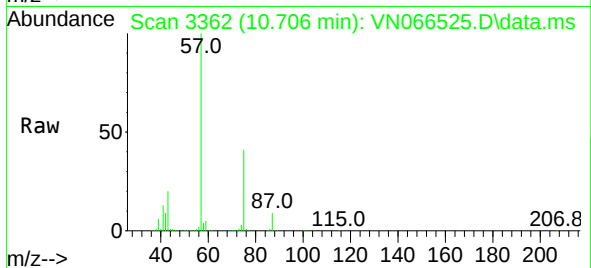




#57
1,3-Dichloropropane
Concen: 4.52 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.062 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

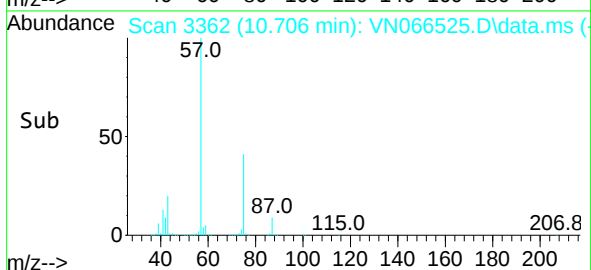
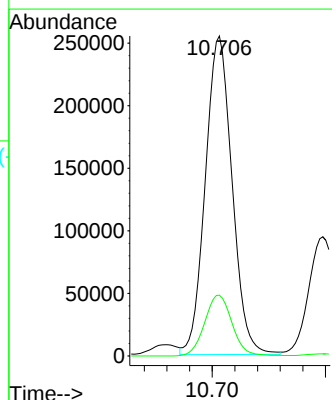
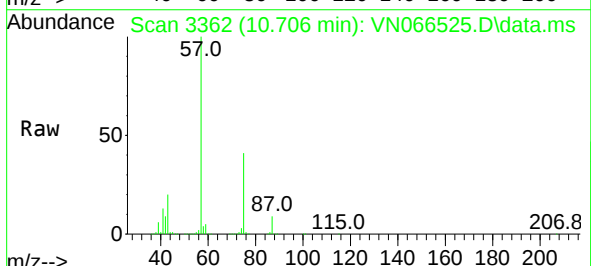
Instrument :
MSVOA_N
ClientSampleId :

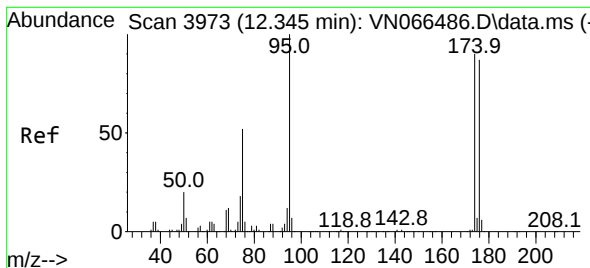
Tgt Ion: 76 Resp: 29433
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#



#59
2-Hexanone
Concen: 100.58 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.016 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

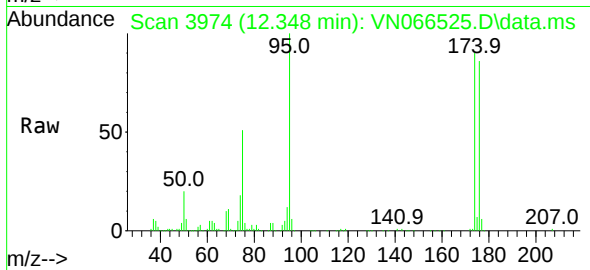
Tgt Ion: 43 Resp: 417520
Ion Ratio Lower Upper
43 100
58 19.6 26.6 79.8#



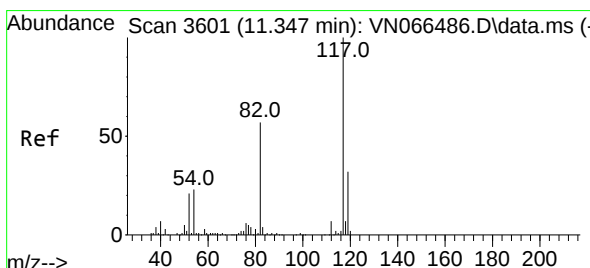
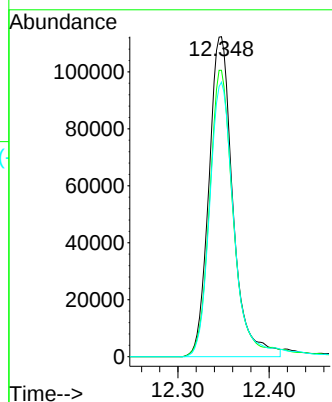
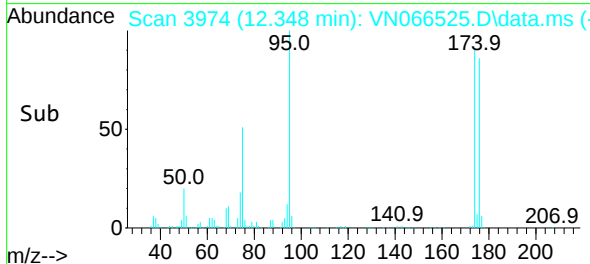


#62
4-Bromofluorobenzene
Concen: 46.76 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

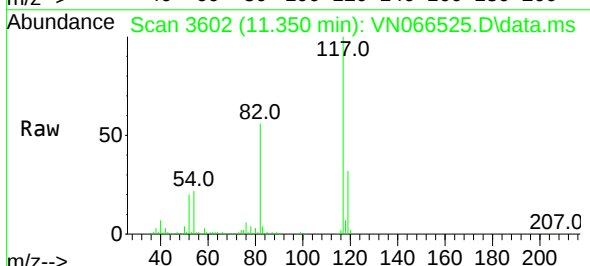
Instrument :
MSVOA_N
ClientSampled :



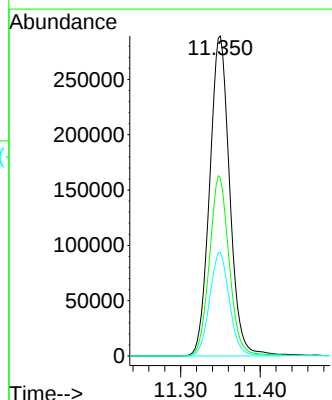
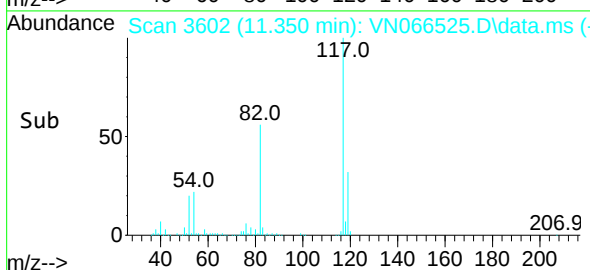
Tgt Ion: 95 Resp: 205107
Ion Ratio Lower Upper
95 100
174 90.3 0.0 172.2
176 85.5 0.0 167.8

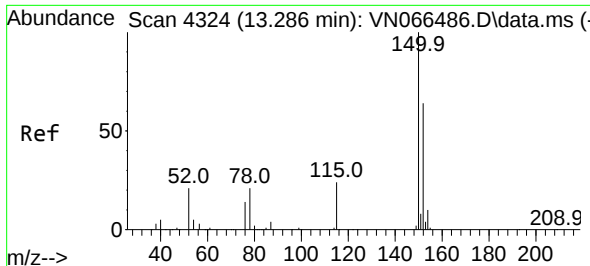


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54



Tgt Ion: 117 Resp: 507132
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.4
119 32.4 25.8 38.6

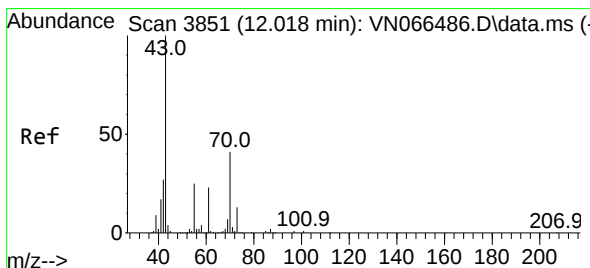
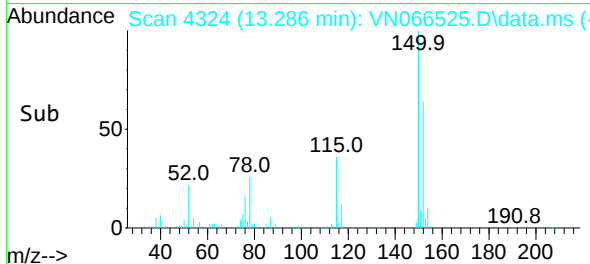
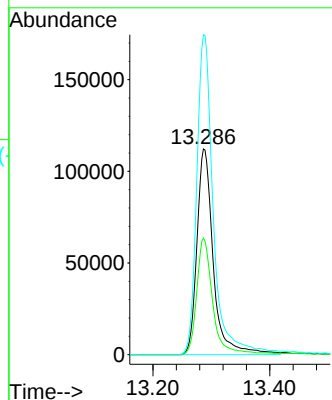
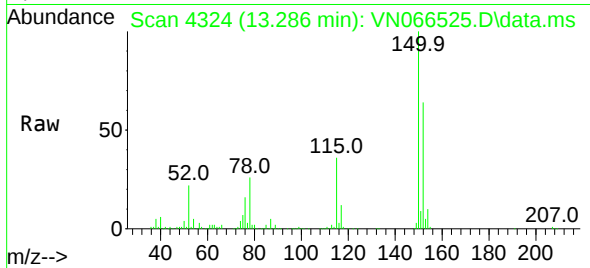




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

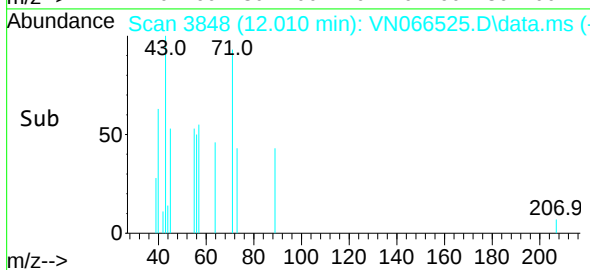
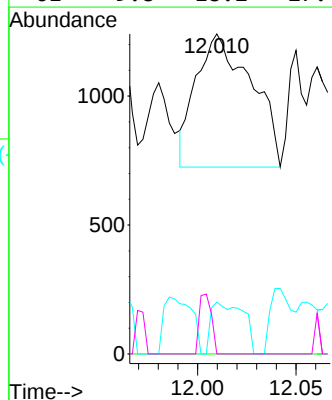
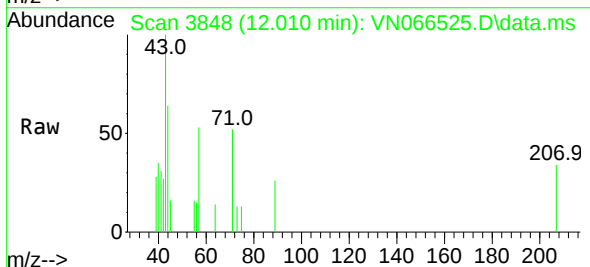
Instrument :
MSVOA_N
ClientSampleId :

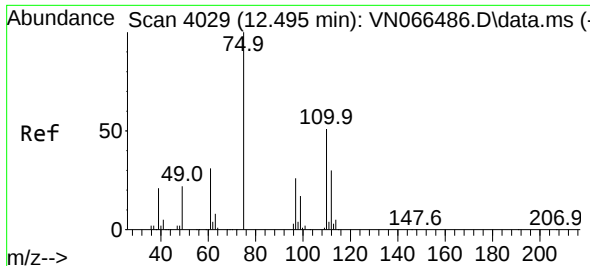
Tgt Ion:152 Resp: 219560
Ion Ratio Lower Upper
152 100
115 54.6 27.8 83.4
150 154.0 0.0 348.4



#74
N-ethyl acetate
Concen: 12.87 ug/l
RT: 12.010 min Scan# 3848
Delta R.T. -0.008 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

Tgt Ion: 43 Resp: 1007
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 22.6 18.6 28.0
61 9.8 18.2 27.4#

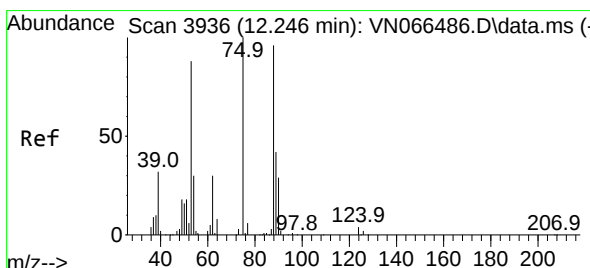
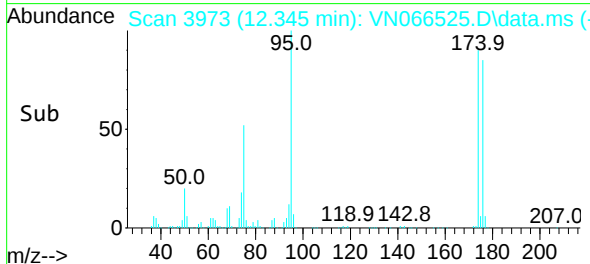
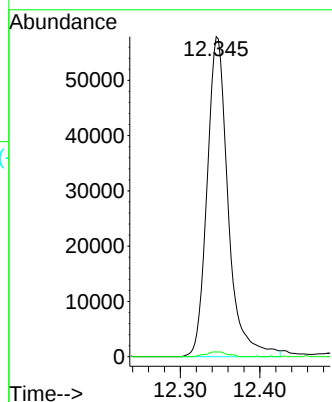
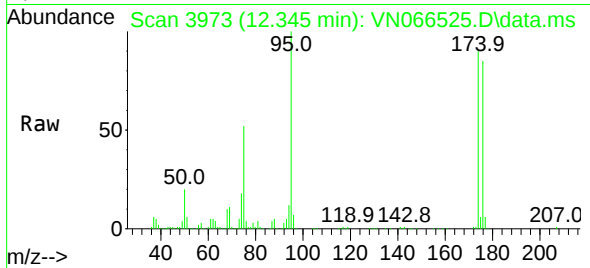




#76
1,2,3-Trichloropropane
Concen: 21.53 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.150 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

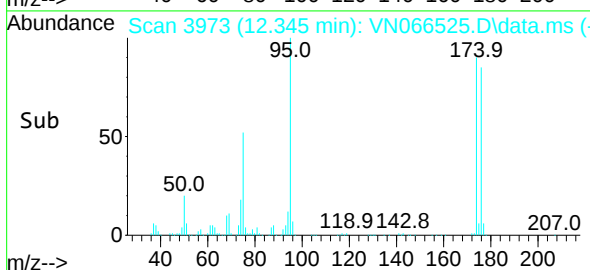
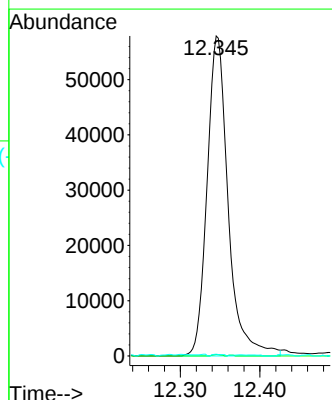
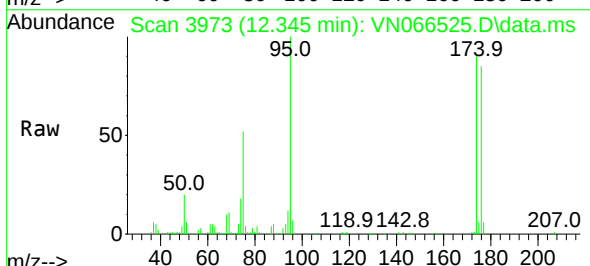
Instrument :
MSVOA_N
ClientSampleId :

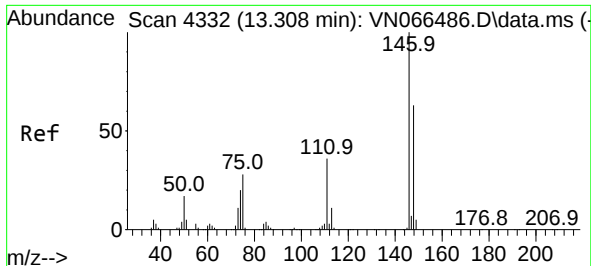
Tgt Ion: 75 Resp: 106635
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.04 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.099 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

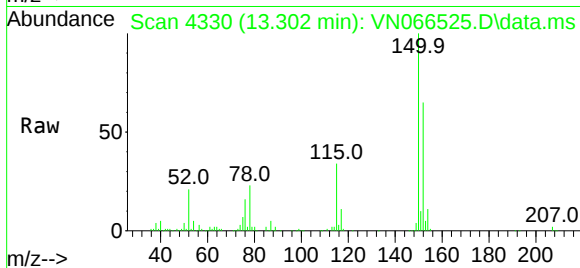
Tgt Ion: 75 Resp: 106635
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.3 35.7 53.5#



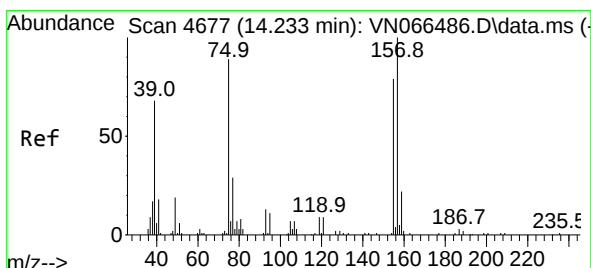
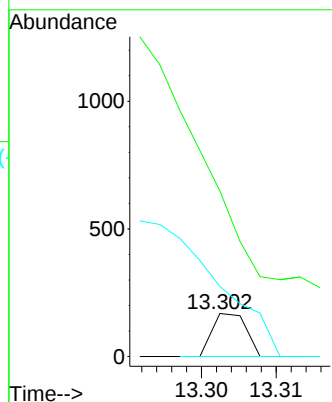
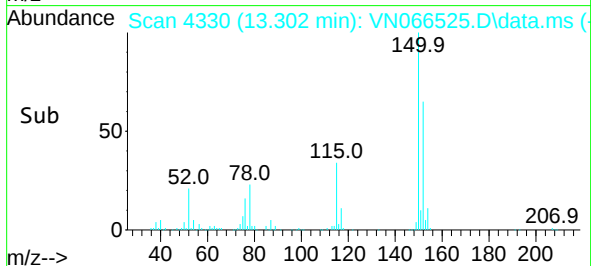


#88
1,4-Dichlorobenzene
Concen: 1.01 ug/l
RT: 13.302 min Scan# 4330
Delta R.T. -0.006 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

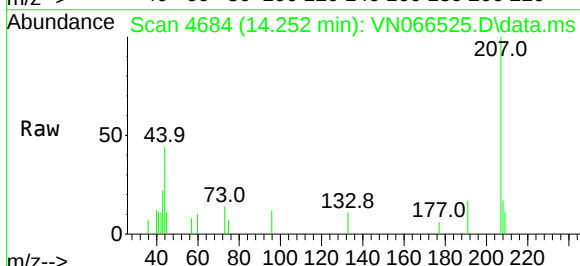
Instrument :
MSVOA_N
ClientSampleId :



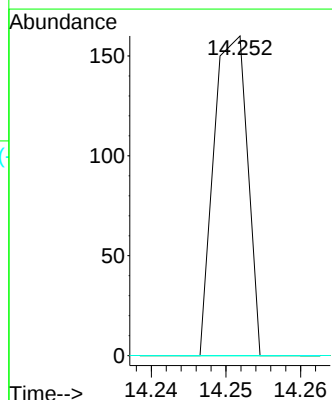
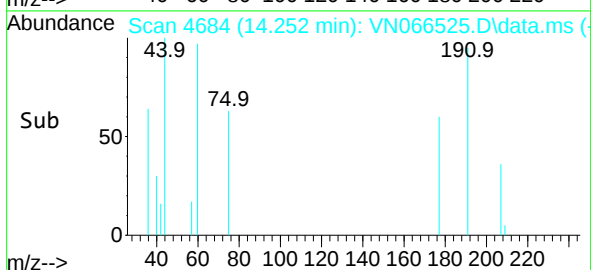
Tgt Ion:146 Resp: 53
Ion Ratio Lower Upper
146 100
111 4532.1 18.3 54.9#
148 1532.1 31.9 95.9#

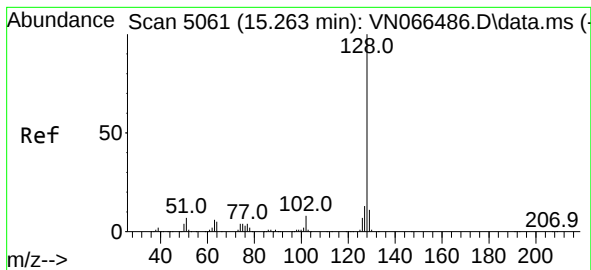


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.38 ug/l
RT: 14.252 min Scan# 4684
Delta R.T. 0.019 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54



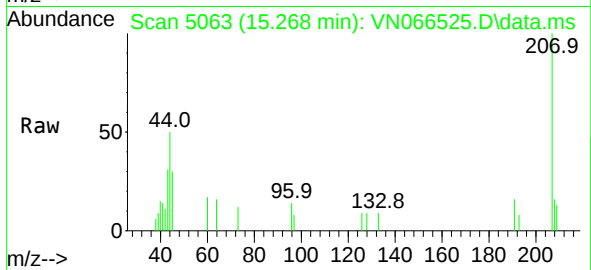
Tgt Ion: 75 Resp: 50
Ion Ratio Lower Upper
75 100
155 0.0 43.8 131.3#
157 0.0 57.6 172.8#





#95
Naphthalene
Concen: 1.99 ug/l
RT: 15.268 min Scan# 5063
Delta R.T. 0.005 min
Lab File: VN066525.D
Acq: 7 Apr 2021 22:54

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 216
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.5 12.7#

