

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032621\
 Data File : VN066358.D
 Acq On : 26 Mar 2021 18:43
 Operator : JC/MD
 Sample : M1777-07 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

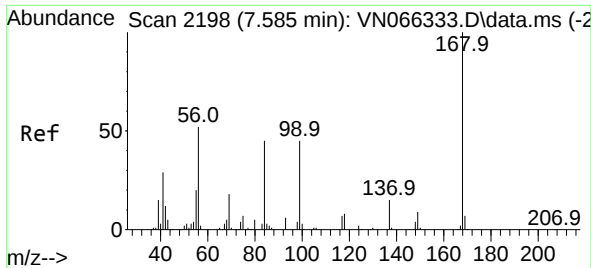
Instrument :
 MSVOA_N
 ClientSampled :
 243

Quant Time: Mar 27 01:50:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 26 16:26:01 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.584	168	454092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	671382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	573383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	236196	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	269674	44.67	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.34%		
35) Dibromofluoromethane	7.507	113	212047	47.64	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.28%		
50) Toluene-d8	10.028	98	806669	47.78	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.56%		
62) 4-Bromofluorobenzene	12.345	95	247941	42.28	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.56%		
Target Compounds					Qvalue	
3) Chloromethane	2.017	50	3365	Below Cal		96
11) Tert butyl alcohol	4.712	59	77551	84.24 ug/l #		96
13) Acrolein	3.537	56	4344	Below Cal #		72
16) Acetone	3.739	43	847311	259.80 ug/l		100
20) Methylene Chloride	4.447	84	1931	Below Cal #		79
25) 2-Butanone	6.750	43	39303	11.02 ug/l		94
31) Cyclohexane	7.584	56	9433	1.13 ug/l #		6
36) 1,1-Dichloropropene	7.582	75	32415	5.14 ug/l #		49
37) Ethyl Acetate	6.750	43	39303	5.66 ug/l #		71
38) Carbon Tetrachloride	7.582	117	41459	6.54 ug/l #		16
40) Benzene	7.960	78	51113	2.68 ug/l		96
48) Methyl methacrylate	9.102	41	5115	0.91 ug/l #		42
49) 1,4-Dioxane	9.140	88	3218	45.35 ug/l #		23
51) 4-Methyl-2-Pentanone	9.926	43	12555	1.81 ug/l		96
52) Toluene	10.092	92	97364	8.33 ug/l		99
56) Ethyl methacrylate	10.304	69	12322	1.71 ug/l #		75
58) 2-Chloroethyl Vinyl ether	9.371	63	27	25.63 ug/l #		49
59) 2-Hexanone	10.701	43	2081	0.43 ug/l #		57
67) Ethyl Benzene	11.452	91	9067	0.44 ug/l		95
68) m/p-Xylenes	11.562	106	13599	1.72 ug/l		86
69) o-Xylene	11.892	106	6461	0.85 ug/l		92
74) N-amyl acetate	11.980	43	6266	4.04 ug/l #		50
76) 1,2,3-Trichloropropane	12.345	75	126378	24.38 ug/l #		100
77) Bromobenzene	12.232	156	13746	3.10 ug/l #		1
80) 1,3,5-Trimethylbenzene	12.680	105	4368	0.30 ug/l		95
81) trans-1,4-Dichloro-2-b...	12.345	75	126378	73.33 ug/l #		12
84) 1,2,4-Trimethylbenzene	12.989	105	17557	1.26 ug/l		99
95) Naphthalene	15.073	128	34269	3.58 ug/l		96

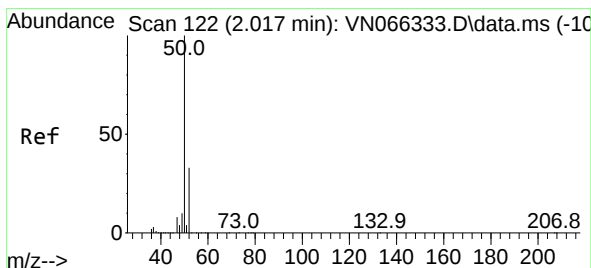
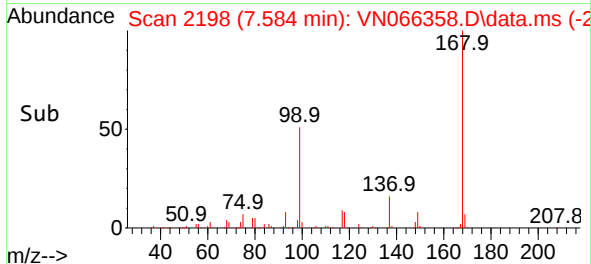
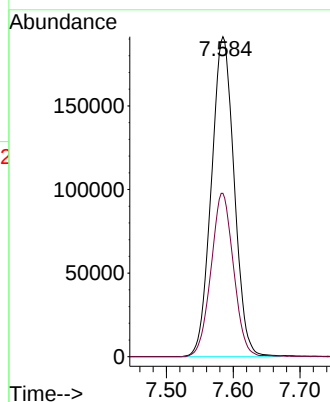
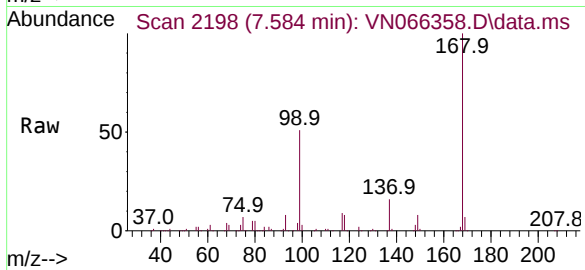
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.001 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

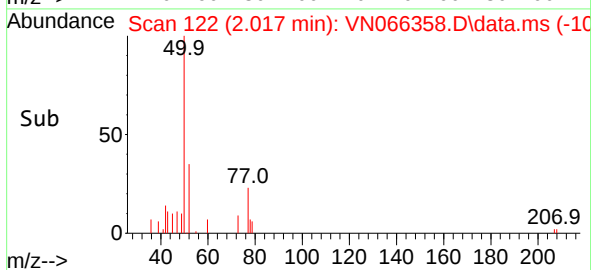
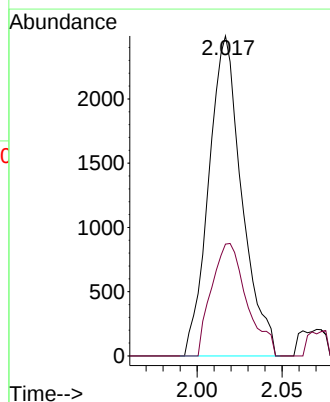
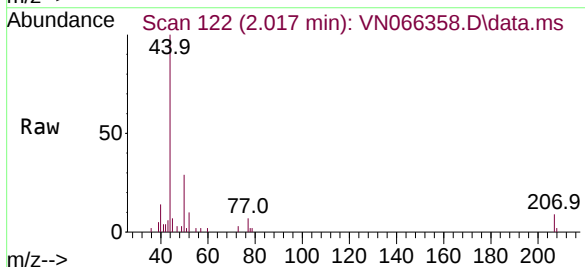
Instrument :
MSVOA_N
ClientSampled :
243

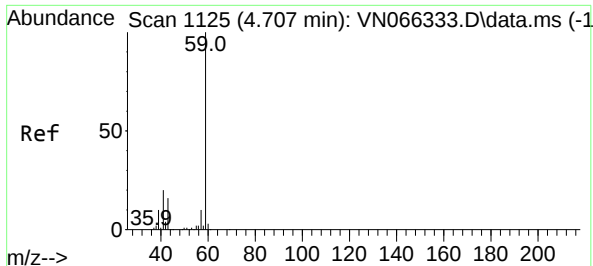
Tgt Ion:168 Resp: 454092
Ion Ratio Lower Upper
168 100
99 51.1 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

Tgt Ion: 50 Resp: 3365
Ion Ratio Lower Upper
50 100
52 34.9 26.2 39.2



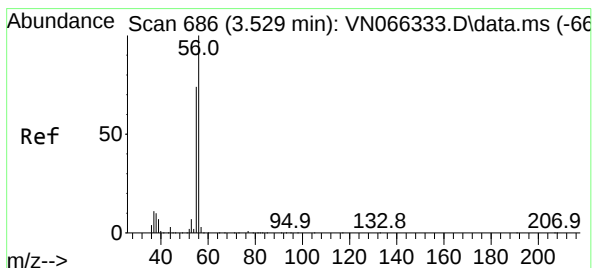
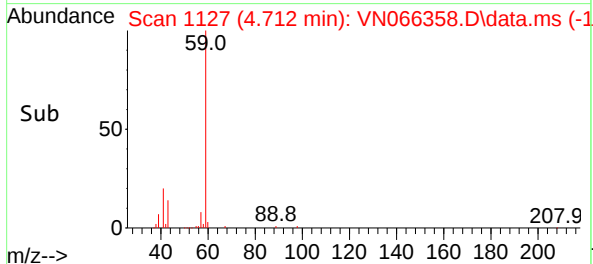
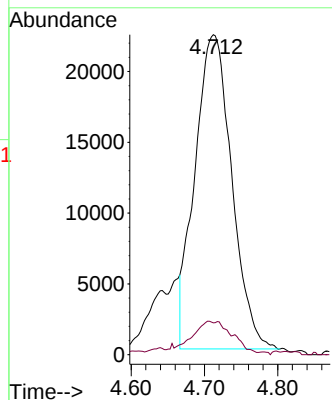
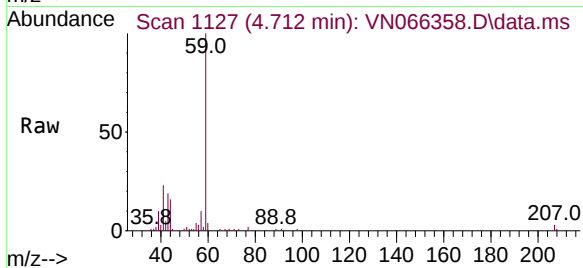


#11

Tert butyl alcohol
Concen: 84.24 ug/l
RT: 4.712 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

Instrument :
MSVOA_N
ClientSampled :
243

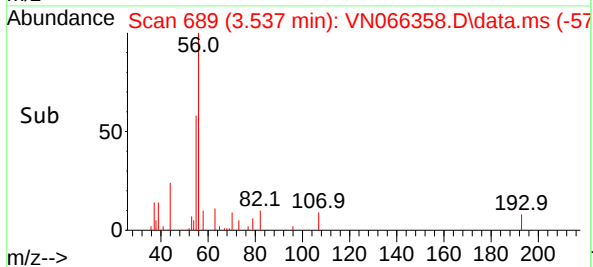
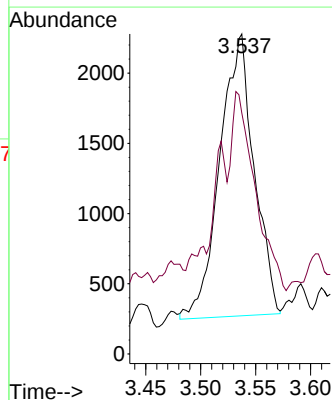
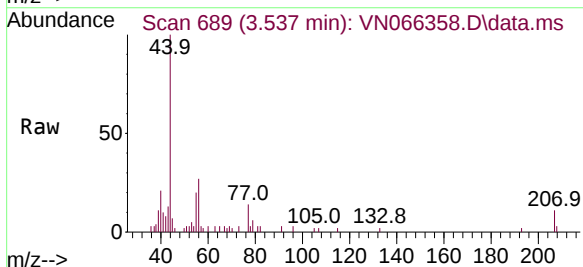
Tgt Ion: 59 Resp: 77551
Ion Ratio Lower Upper
59 100
57 3.9 4.1 6.1#

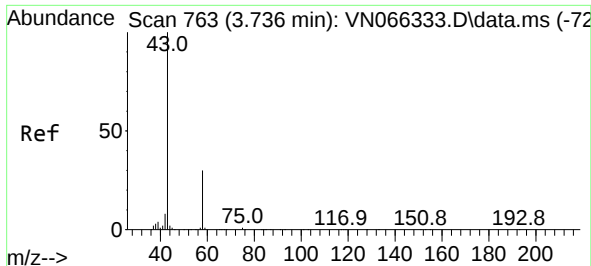


#13

Acrolein
Concen: Below Cal
RT: 3.537 min Scan# 689
Delta R.T. 0.008 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

Tgt Ion: 56 Resp: 4344
Ion Ratio Lower Upper
56 100
55 49.2 57.9 86.9#

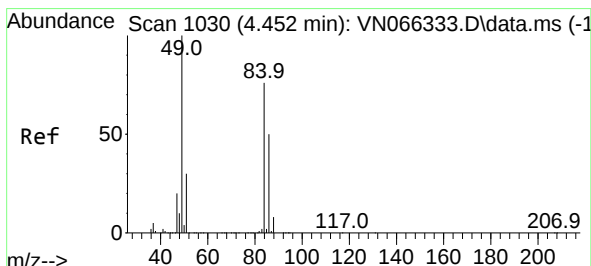
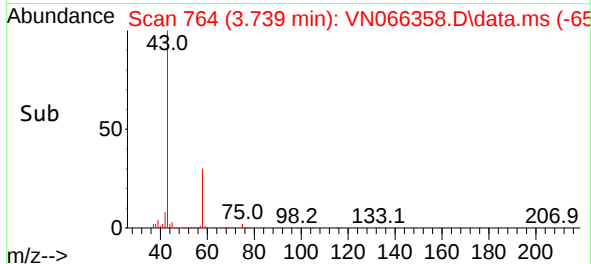
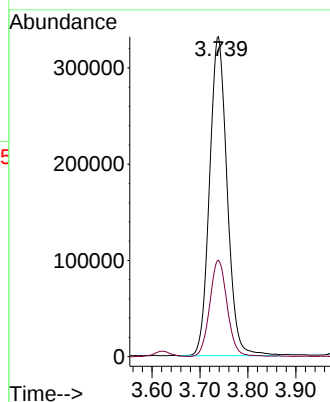
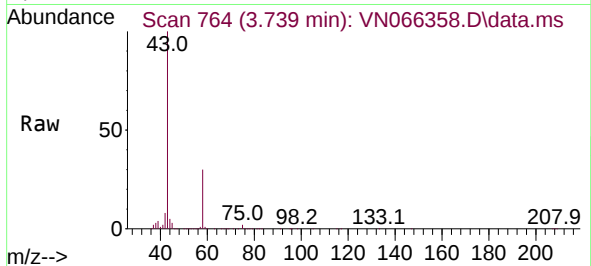




#16
Acetone
Concen: 259.80 ug/l
RT: 3.739 min Scan# 764
Delta R.T. 0.003 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

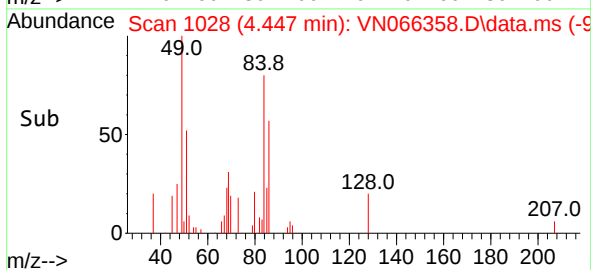
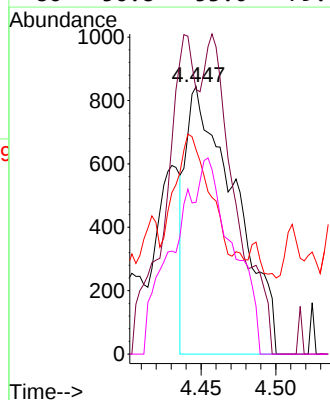
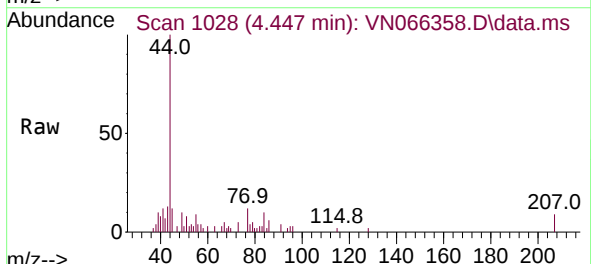
Instrument :
MSVOA_N
ClientSampled :
243

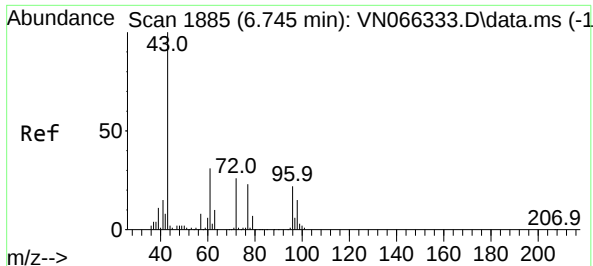
Tgt Ion: 43 Resp: 847311
Ion Ratio Lower Upper
43 100
58 30.0 23.8 35.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.447 min Scan# 1028
Delta R.T. -0.005 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

Tgt Ion: 84 Resp: 1931
Ion Ratio Lower Upper
84 100
49 98.9 105.0 157.6#
51 47.0 31.6 47.4
86 56.8 53.0 79.6

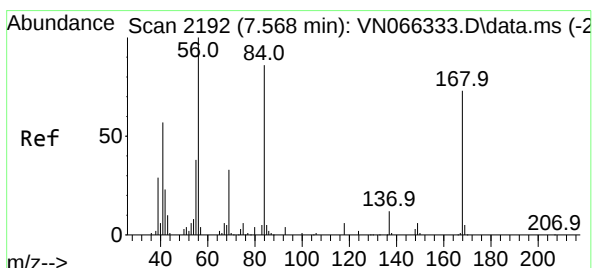
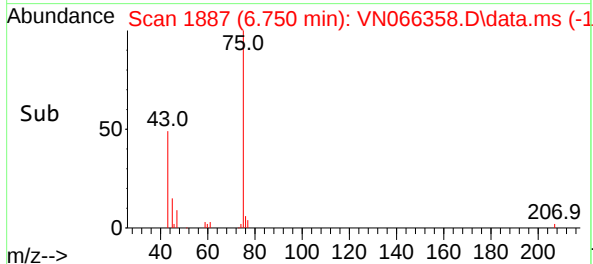
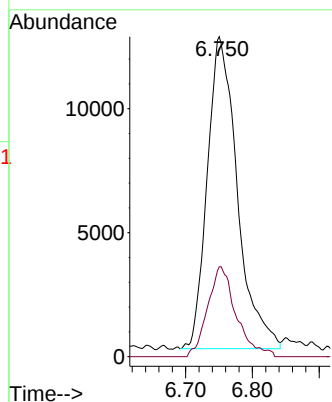
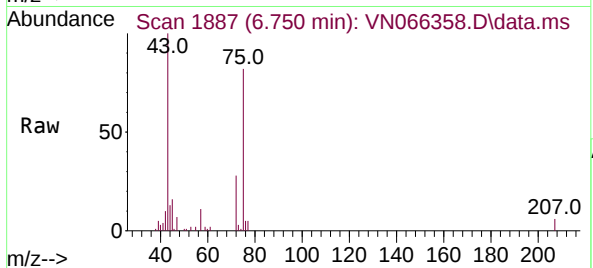




#25
2-Butanone
Concen: 11.02 ug/l
RT: 6.750 min Scan# 1887
Delta R.T. 0.005 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

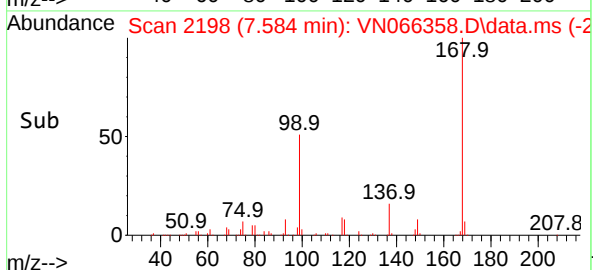
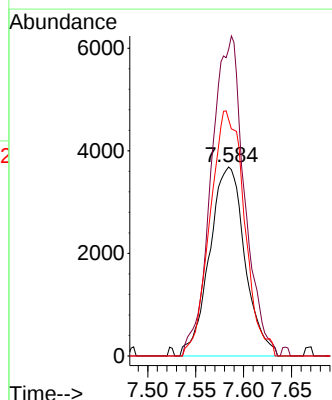
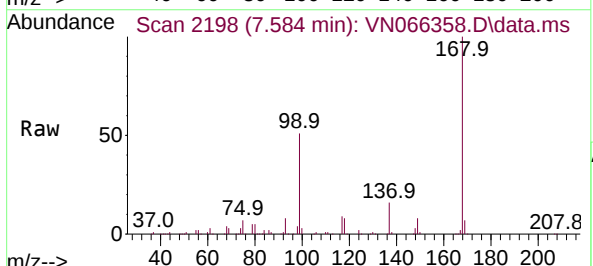
Instrument :
MSVOA_N
ClientSampled :
243

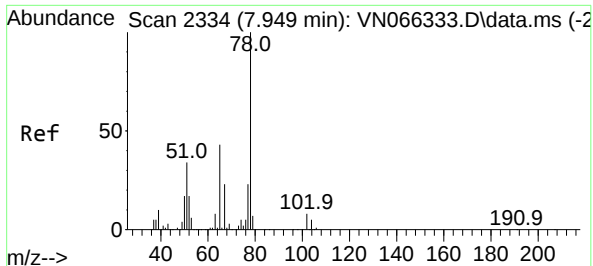
Tgt Ion: 43 Resp: 39303
Ion Ratio Lower Upper
43 100
72 28.8 20.7 31.1



#31
Cyclohexane
Concen: 1.13 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. 0.016 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

Tgt Ion: 56 Resp: 9433
Ion Ratio Lower Upper
56 100
69 162.4 26.6 40.0#
84 125.0 68.7 103.1#



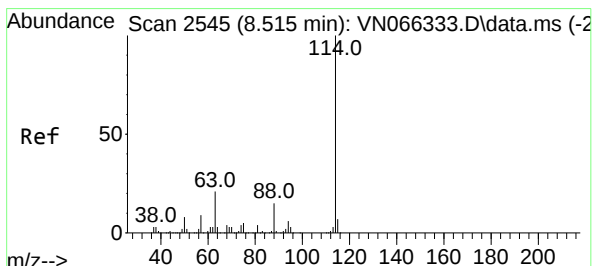
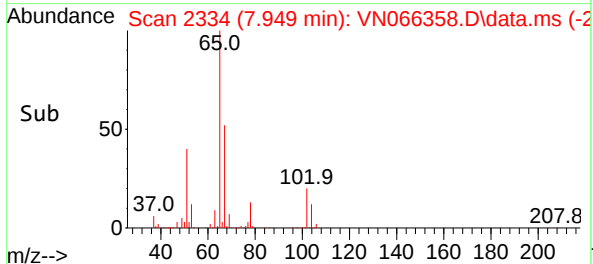
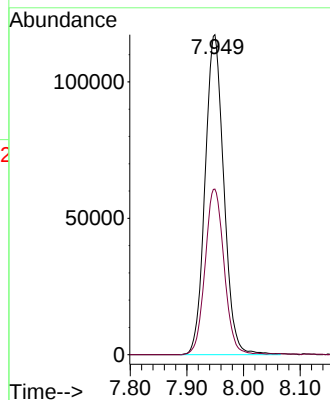
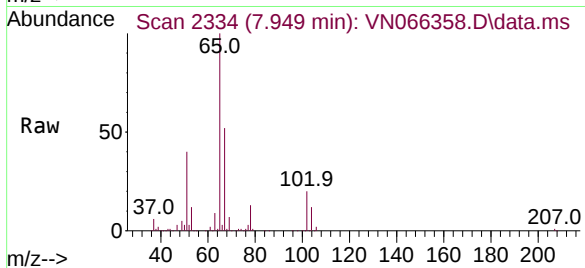


#33

1,2-Dichloroethane-d4
Concen: 44.67 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. 0.000 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

Instrument :
MSVOA_N
ClientSampled :
243

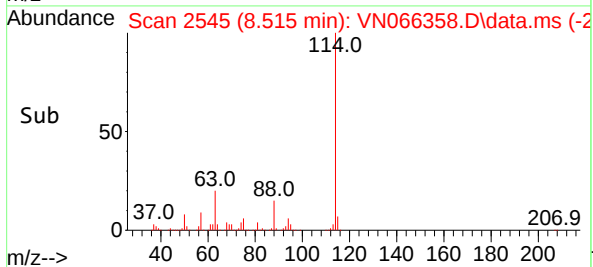
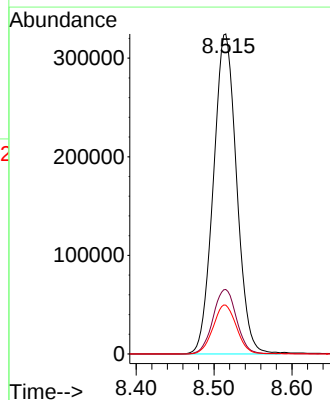
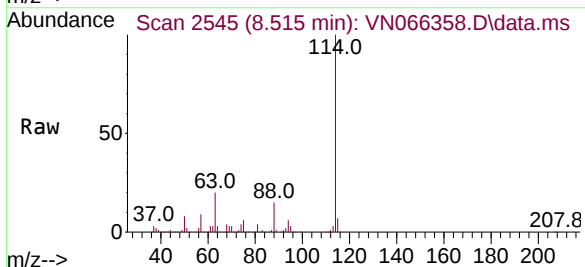
Tgt Ion: 65 Resp: 269674
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.2

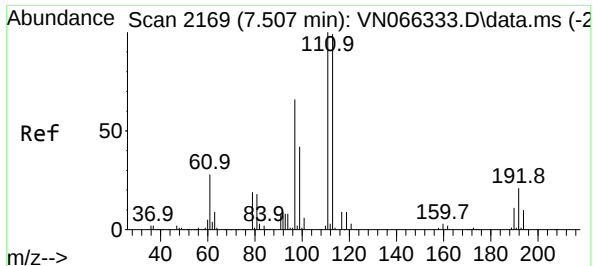


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.000 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

Tgt Ion: 114 Resp: 671382
Ion Ratio Lower Upper
114 100
63 20.1 0.0 42.0
88 15.3 0.0 31.0

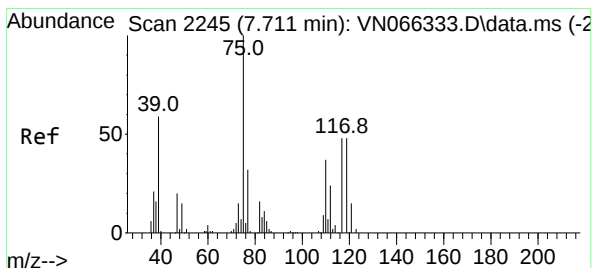
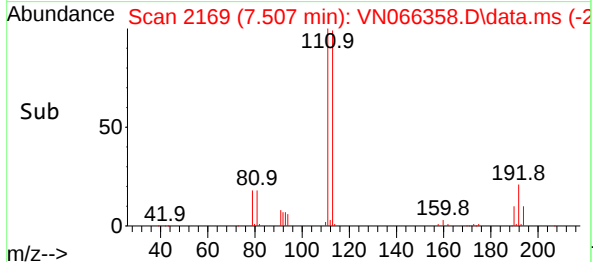
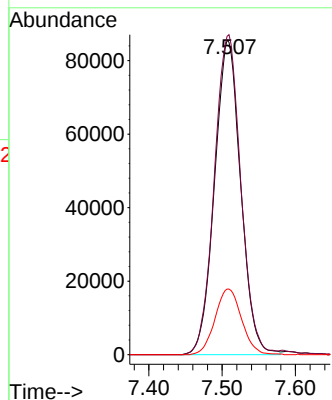
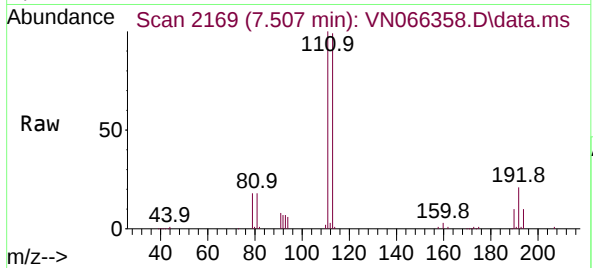




#35
Dibromofluoromethane
Concen: 47.64 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

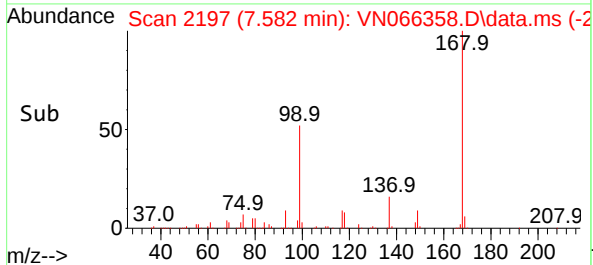
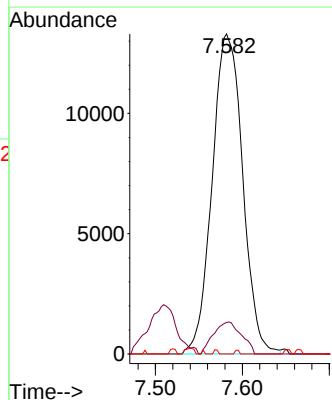
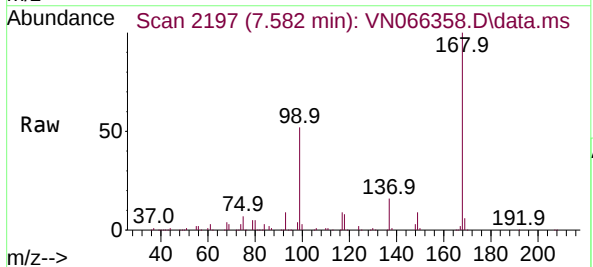
Instrument :
MSVOA_N
ClientSampled :
243

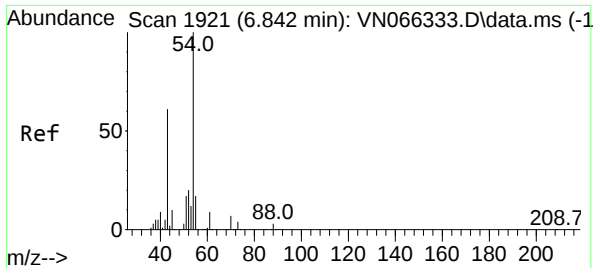
Tgt Ion:	113	Resp:	212047
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.8	122.8
192	21.3	17.1	25.7



#36
1,1-Dichloropropene
Concen: 5.14 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.129 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

Tgt Ion:	75	Resp:	32415
Ion Ratio	Lower	Upper	
75	100		
110	9.2	18.1	54.3#
77	0.0	25.0	37.4#





#37

Ethyl Acetate

Concen: 5.66 ug/l

RT: 6.750 min Scan# 1887

Delta R.T. -0.091 min

Lab File: VN066358.D

Acq: 26 Mar 2021 18:43

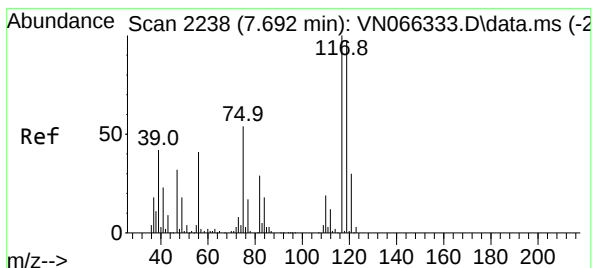
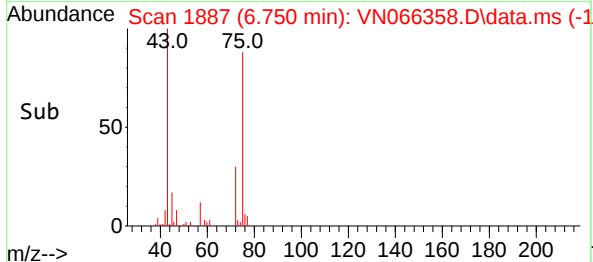
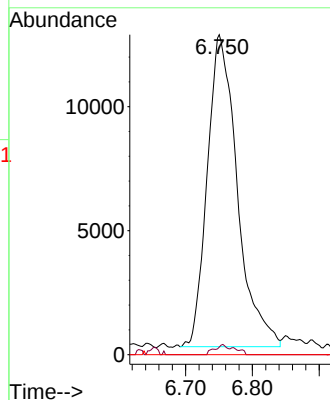
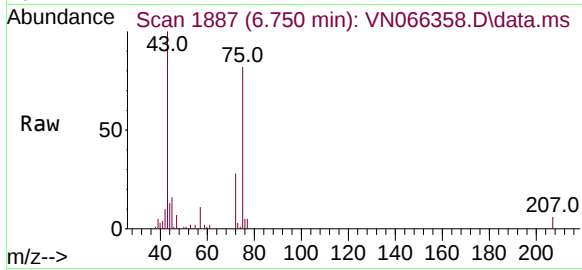
Instrument :

MSVOA_N

ClientSampleId :

243

Tgt Ion:	43	Resp:	39303
Ion	Ratio	Lower	Upper
43	100		
61	1.4	11.1	16.7#
70	0.0	8.0	12.0#



#38

Carbon Tetrachloride

Concen: 6.54 ug/l

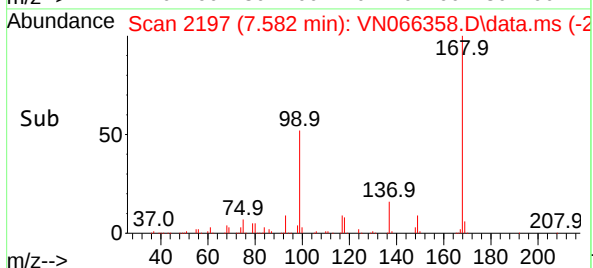
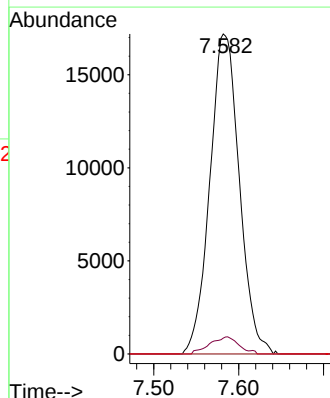
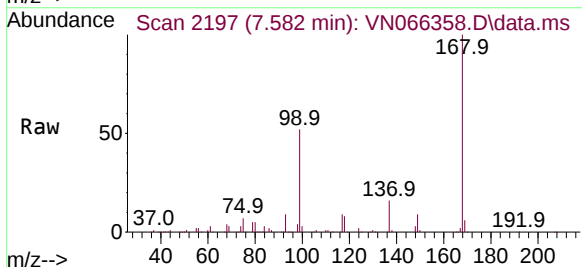
RT: 7.582 min Scan# 2197

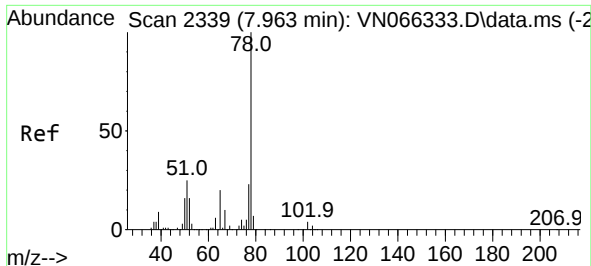
Delta R.T. -0.110 min

Lab File: VN066358.D

Acq: 26 Mar 2021 18:43

Tgt Ion:	117	Resp:	41459
Ion	Ratio	Lower	Upper
117	100		
119	5.0	77.2	115.8#
121	0.0	24.2	36.4#

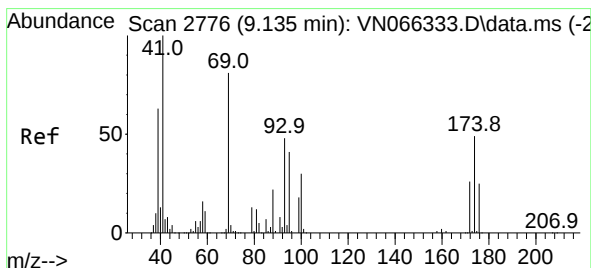
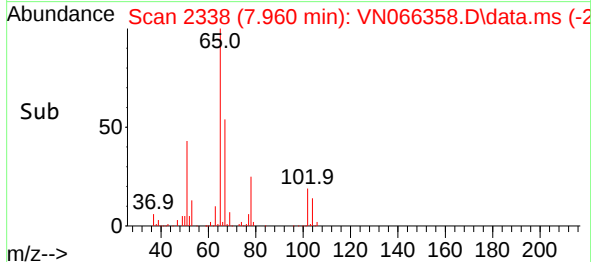
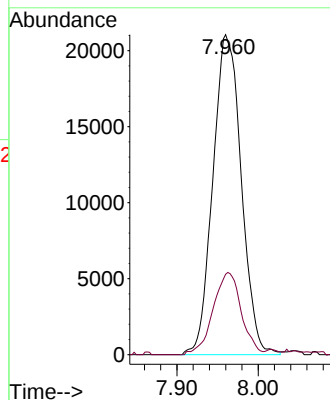
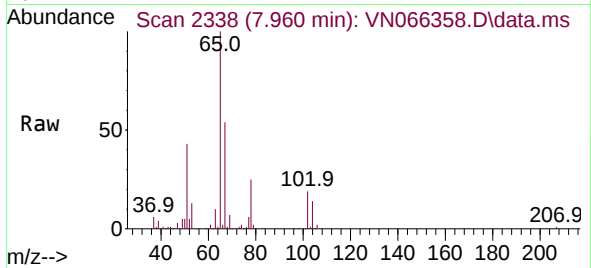




#40
Benzene
Concen: 2.68 ug/l
RT: 7.960 min Scan# 2338
Delta R.T. -0.003 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

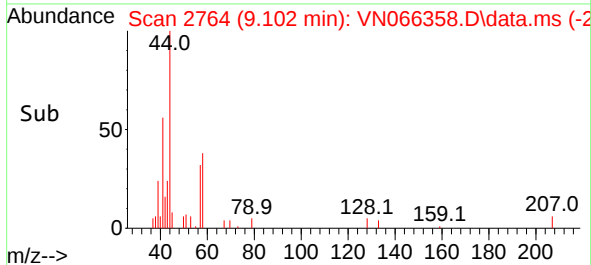
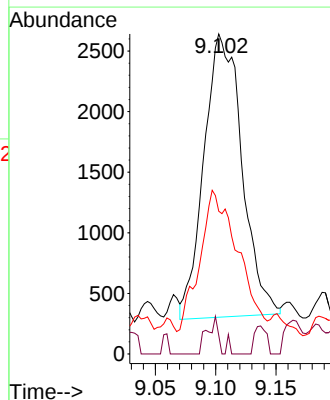
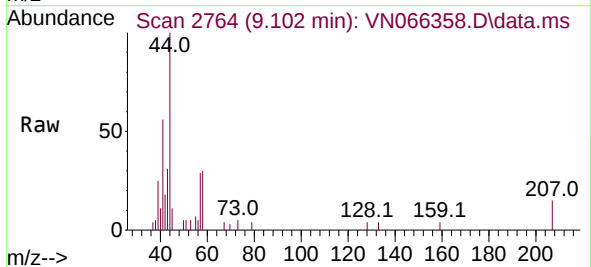
Instrument :
MSVOA_N
ClientSampled :
243

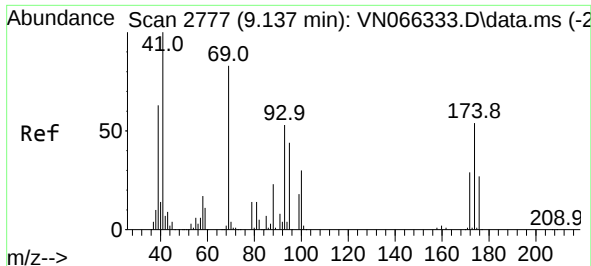
Tgt Ion: 78 Resp: 51113
Ion Ratio Lower Upper
78 100
77 25.1 18.7 28.1



#48
Methyl methacrylate
Concen: 0.91 ug/l
RT: 9.102 min Scan# 2764
Delta R.T. -0.032 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

Tgt Ion: 41 Resp: 5115
Ion Ratio Lower Upper
41 100
69 3.8 66.2 99.4#
39 49.7 51.5 77.3#





#49

1,4-Dioxane

Concen: 45.35 ug/l

RT: 9.140 min Scan# 2778

Delta R.T. 0.003 min

Lab File: VN066358.D

Acq: 26 Mar 2021 18:43

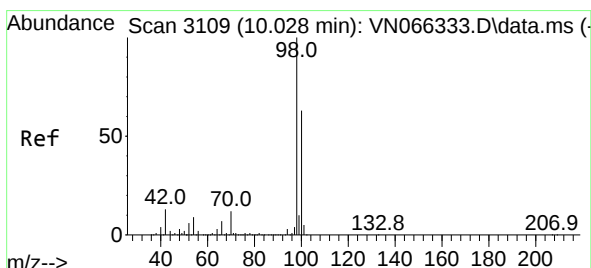
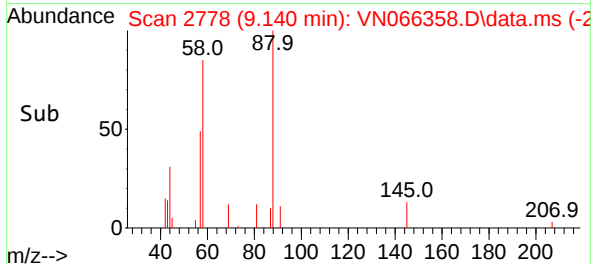
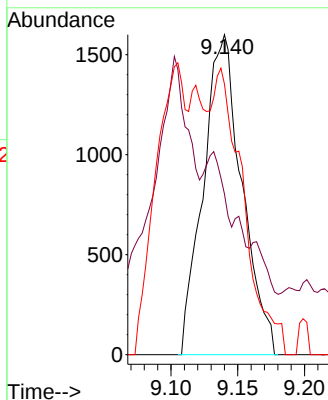
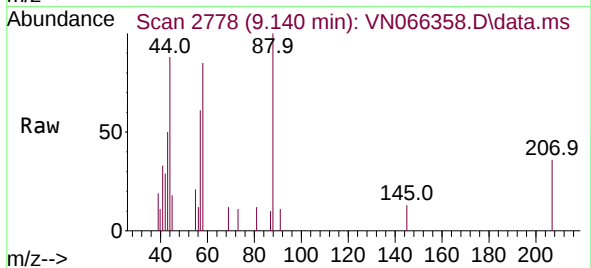
Instrument :

MSVOA_N

ClientSampleId :

243

Tgt Ion:	88	Resp:	3218
Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.2	42.4#
58	0.0	56.6	84.8#



#50

Toluene-d8

Concen: 47.78 ug/l

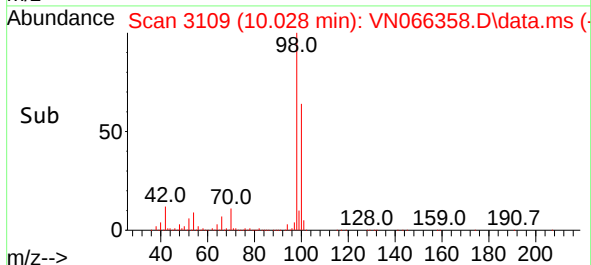
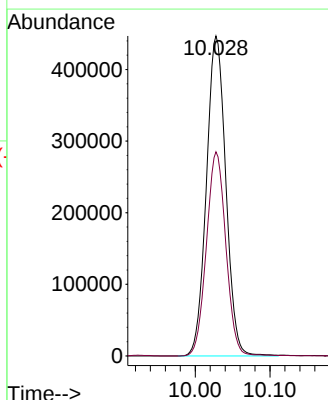
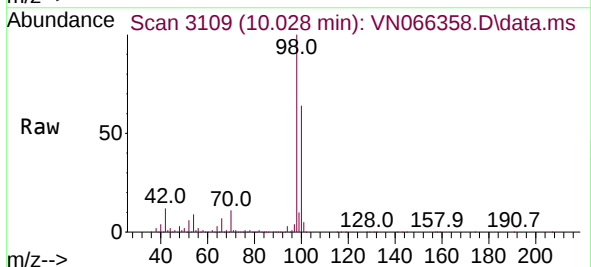
RT: 10.028 min Scan# 3109

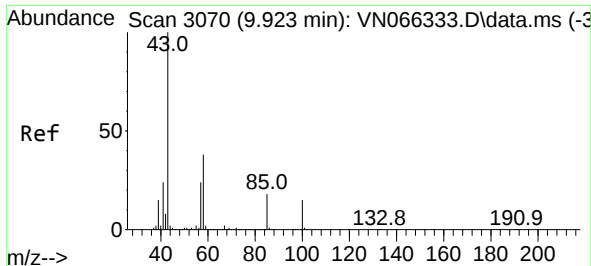
Delta R.T. -0.000 min

Lab File: VN066358.D

Acq: 26 Mar 2021 18:43

Tgt Ion:	98	Resp:	806669
Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.5	75.7

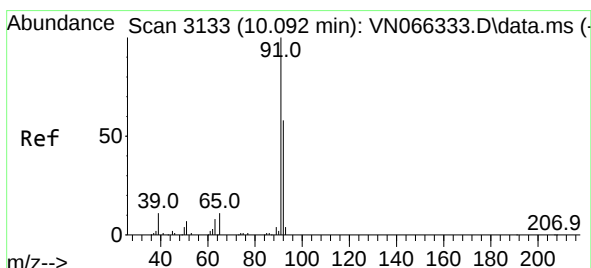
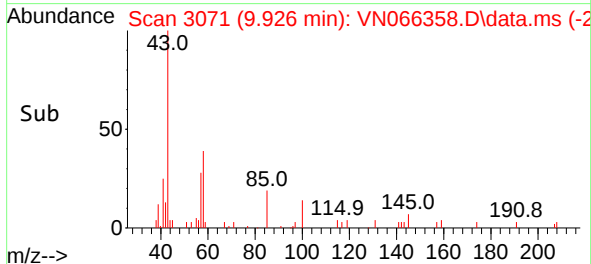
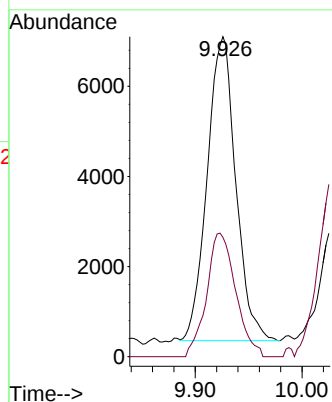
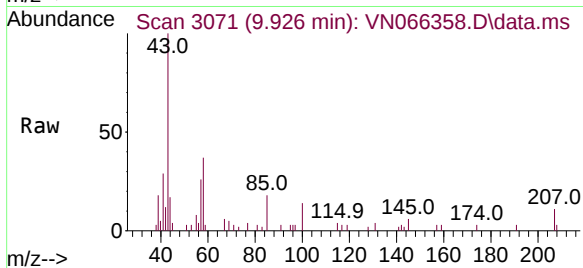




#51
4-Methyl-2-Pentanone
Concen: 1.81 ug/l
RT: 9.926 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

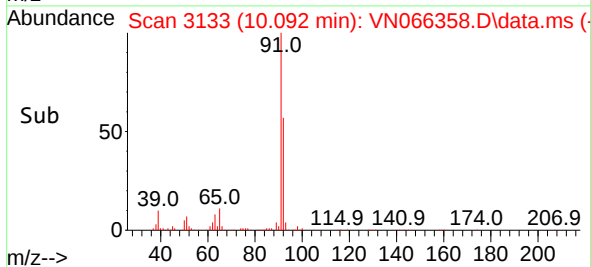
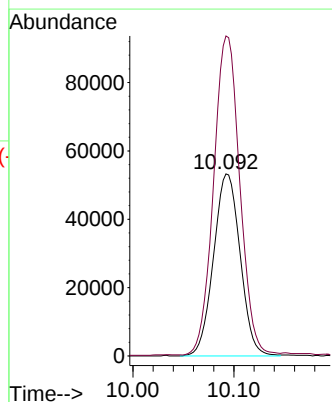
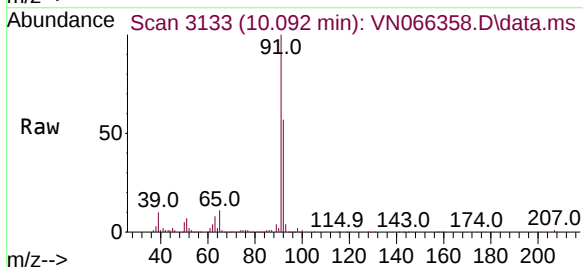
Instrument :
MSVOA_N
ClientSampled :
243

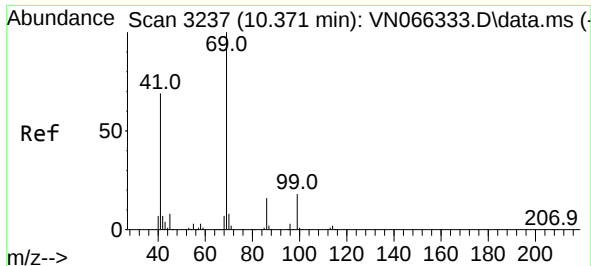
Tgt Ion: 43 Resp: 12555
Ion Ratio Lower Upper
43 100
58 41.2 30.8 46.2



#52
Toluene
Concen: 8.33 ug/l
RT: 10.092 min Scan# 3133
Delta R.T. -0.000 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

Tgt Ion: 92 Resp: 97364
Ion Ratio Lower Upper
92 100
91 172.4 138.8 208.2

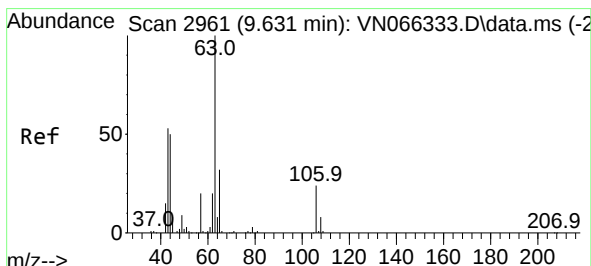
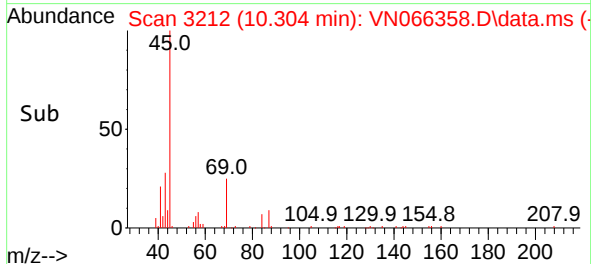
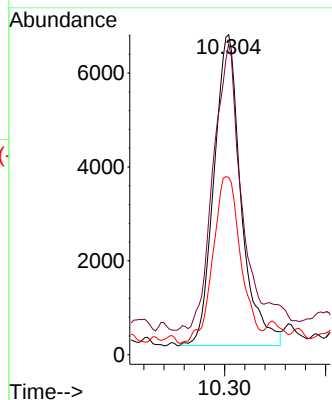
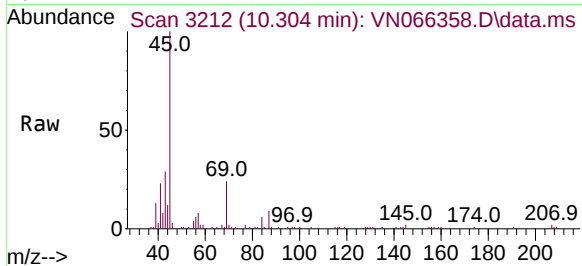




#56
Ethyl methacrylate
Concen: 1.71 ug/l
RT: 10.304 min Scan# 3212
Delta R.T. -0.067 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

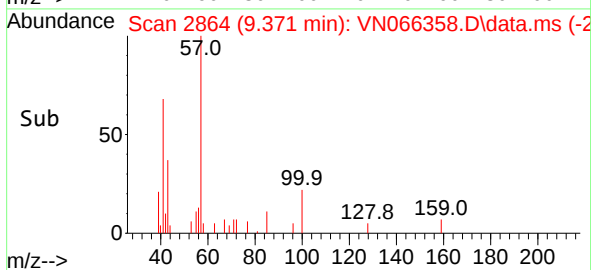
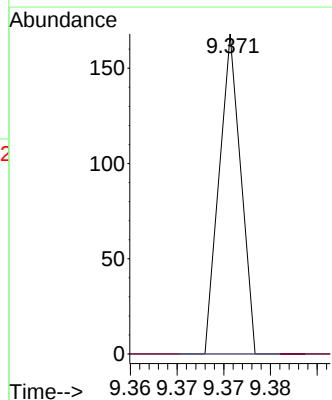
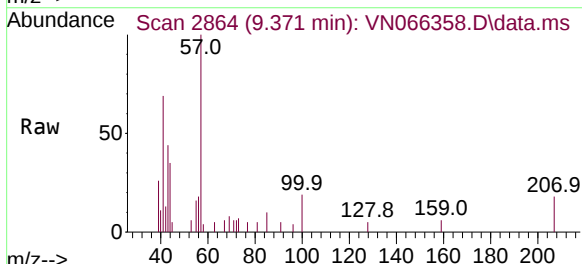
Instrument :
MSVOA_N
ClientSampled :
243

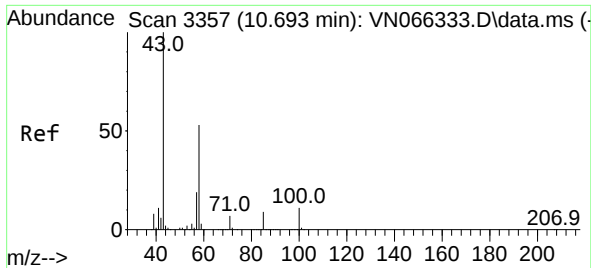
Tgt Ion: 69 Resp: 12322
Ion Ratio Lower Upper
69 100
41 91.2 55.3 82.9#
39 55.2 33.8 50.6#



#58
2-Chloroethyl Vinyl ether
Concen: 25.63 ug/l
RT: 9.371 min Scan# 2864
Delta R.T. -0.260 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

Tgt Ion: 63 Resp: 27
Ion Ratio Lower Upper
63 100
106 0.0 21.0 31.4#

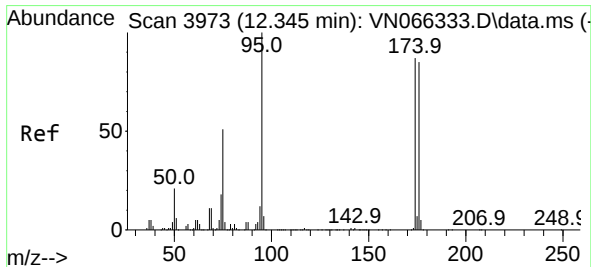
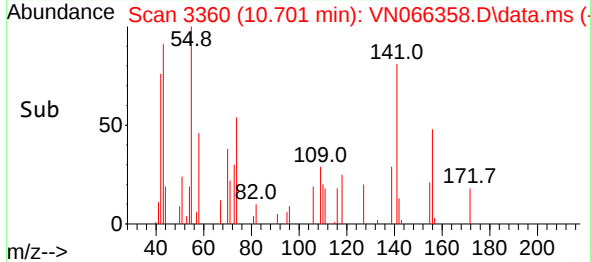
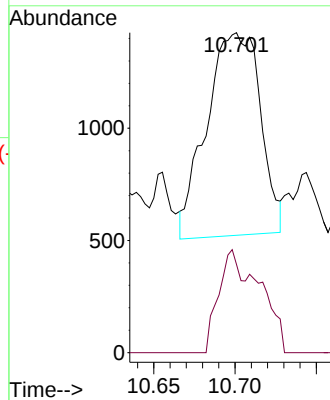
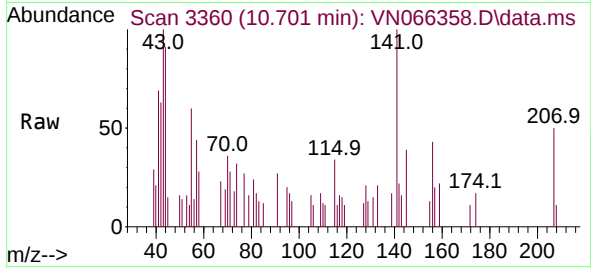




#59
2-Hexanone
Concen: 0.43 ug/l
RT: 10.701 min Scan# 3360
Delta R.T. 0.008 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

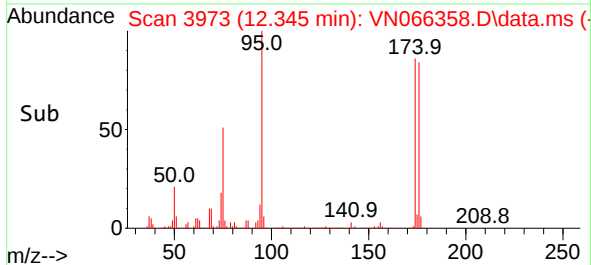
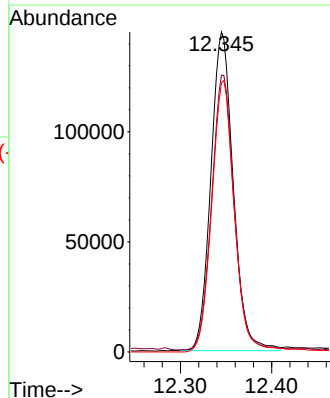
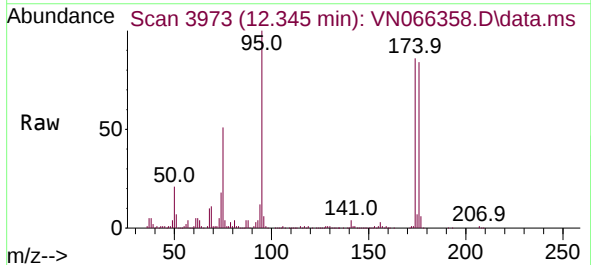
Instrument :
MSVOA_N
ClientSampled :
243

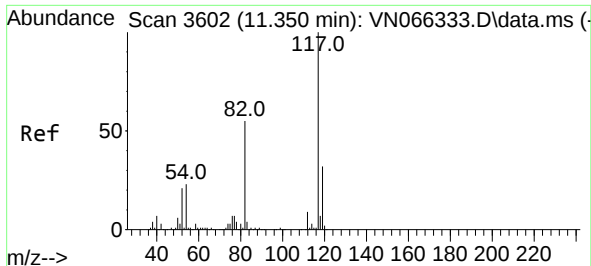
Tgt Ion: 43 Resp: 2081
Ion Ratio Lower Upper
43 100
58 22.4 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 42.28 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.000 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

Tgt Ion: 95 Resp: 247941
Ion Ratio Lower Upper
95 100
174 85.8 0.0 172.2
176 85.9 0.0 167.8

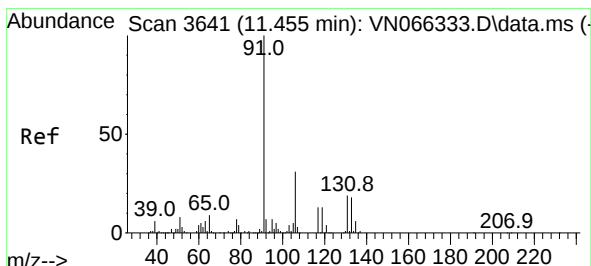
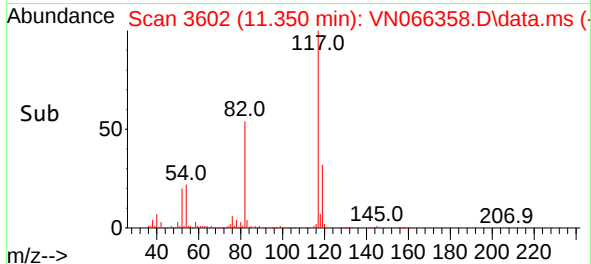
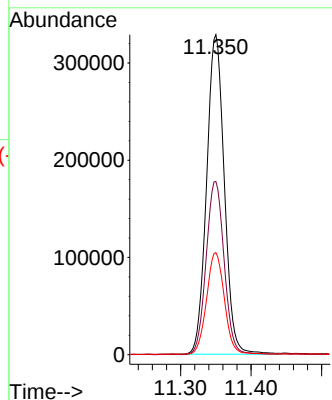
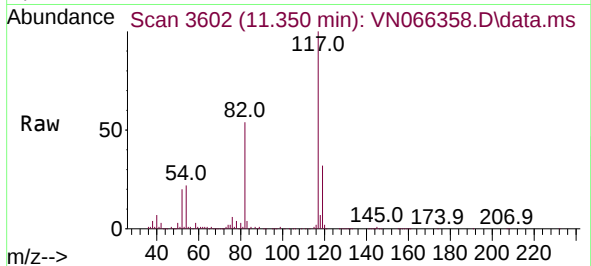




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. -0.000 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

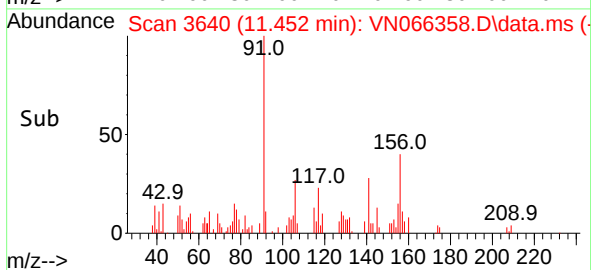
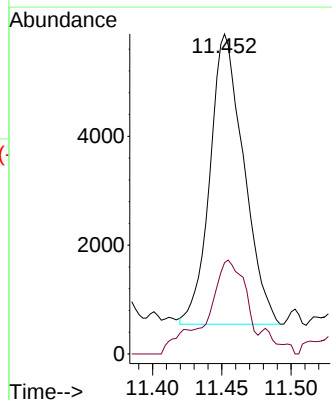
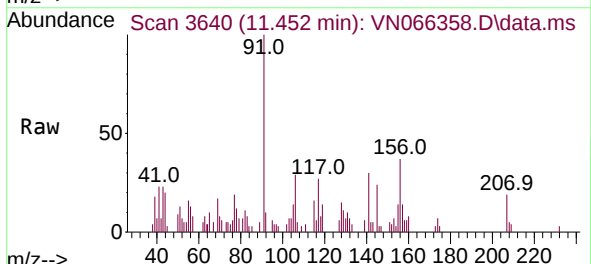
Instrument :
MSVOA_N
ClientSampled :
243

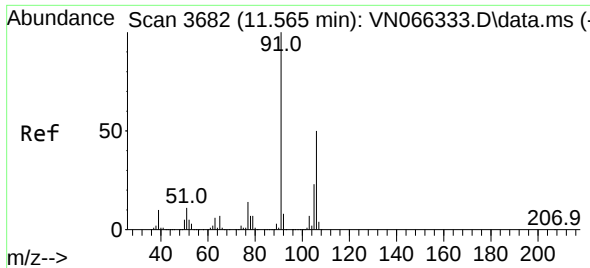
Tgt Ion:117 Resp: 573383
Ion Ratio Lower Upper
117 100
82 54.2 44.2 66.4
119 31.8 25.8 38.6



#67
Ethyl Benzene
Concen: 0.44 ug/l
RT: 11.452 min Scan# 3640
Delta R.T. -0.003 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

Tgt Ion: 91 Resp: 9067
Ion Ratio Lower Upper
91 100
106 28.1 24.7 37.1

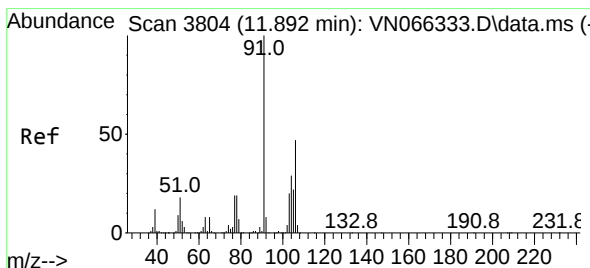
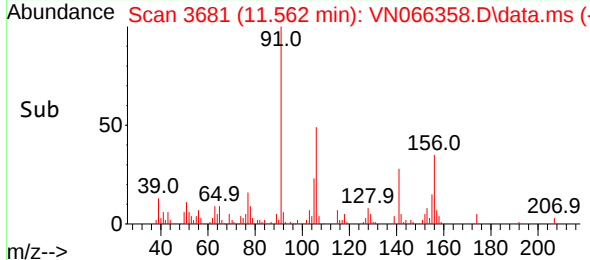
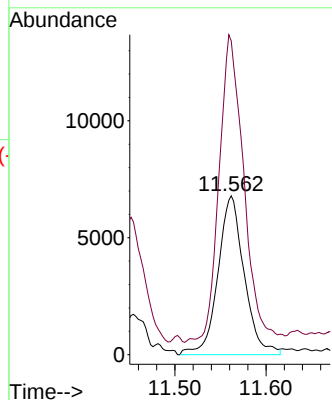
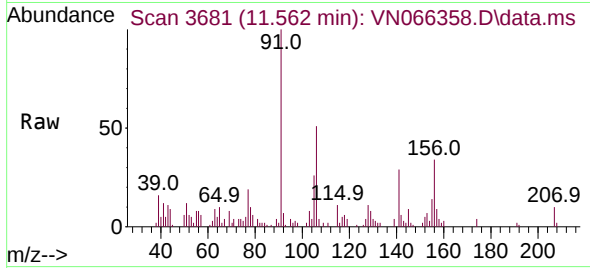




#68
m/p-Xylenes
Concen: 1.72 ug/l
RT: 11.562 min Scan# 3681
Delta R.T. -0.003 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

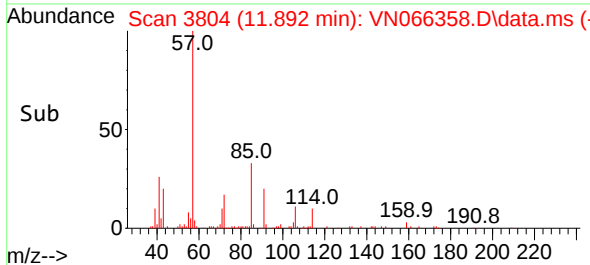
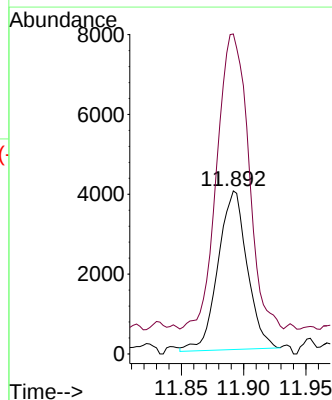
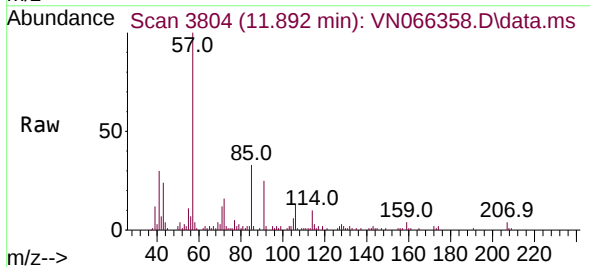
Instrument :
MSVOA_N
ClientSampled :
243

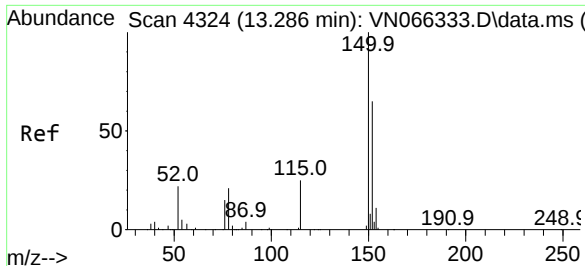
Tgt Ion:106 Resp: 13599
Ion Ratio Lower Upper
106 100
91 182.5 162.7 244.1



#69
o-Xylene
Concen: 0.85 ug/l
RT: 11.892 min Scan# 3804
Delta R.T. -0.000 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

Tgt Ion:106 Resp: 6461
Ion Ratio Lower Upper
106 100
91 200.9 107.1 321.4

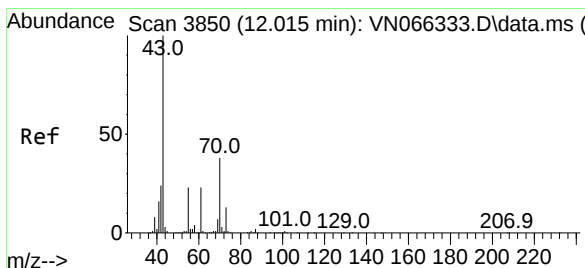
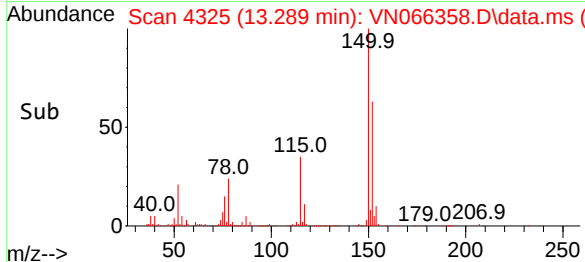
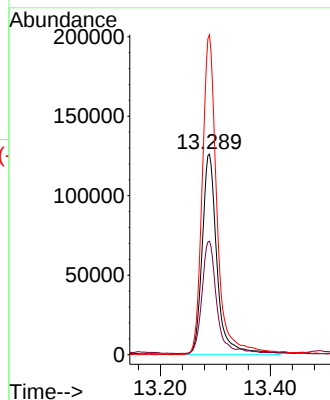
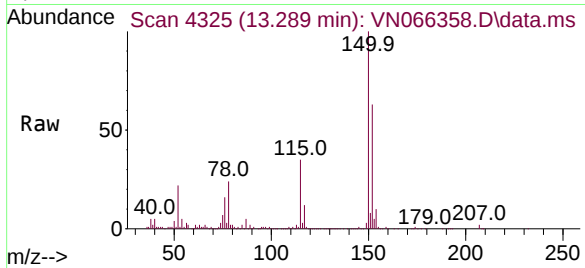




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

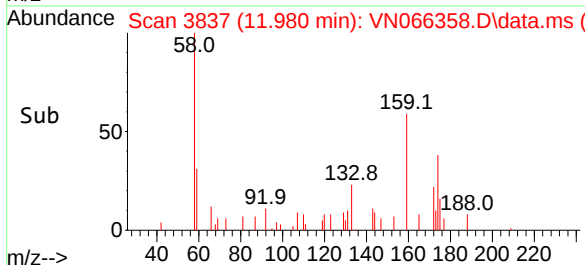
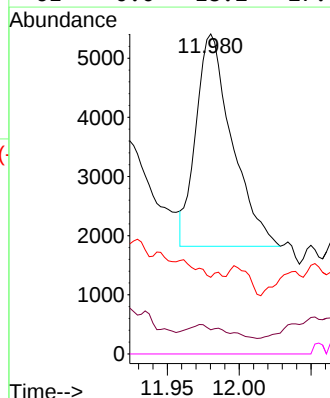
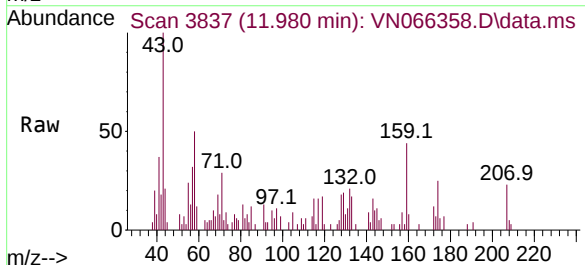
Instrument :
MSVOA_N
ClientSampleId :
243

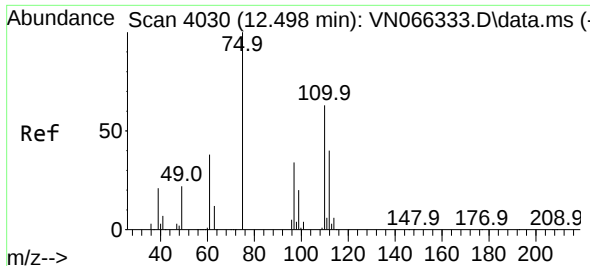
Tgt Ion:152 Resp: 236196
Ion Ratio Lower Upper
152 100
115 53.9 27.8 83.4
150 158.8 0.0 348.4



#74
N-ethyl acetate
Concen: 4.04 ug/l
RT: 11.980 min Scan# 3837
Delta R.T. -0.035 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

Tgt Ion: 43 Resp: 6266
Ion Ratio Lower Upper
43 100
70 6.6 31.2 46.8#
55 0.0 18.6 28.0#
61 0.0 18.2 27.4#

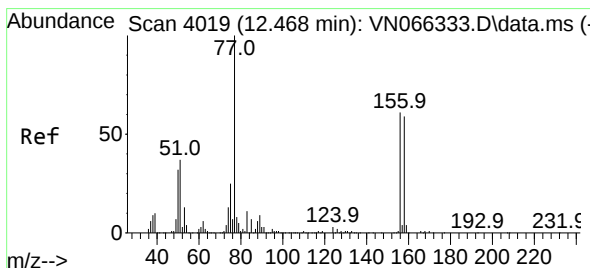
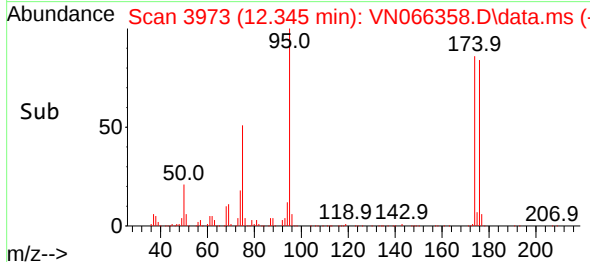
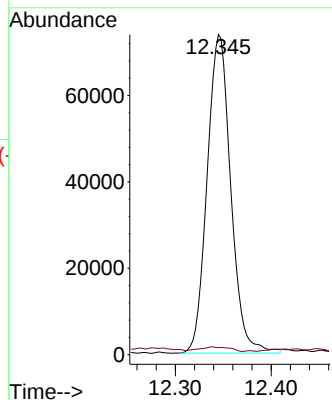
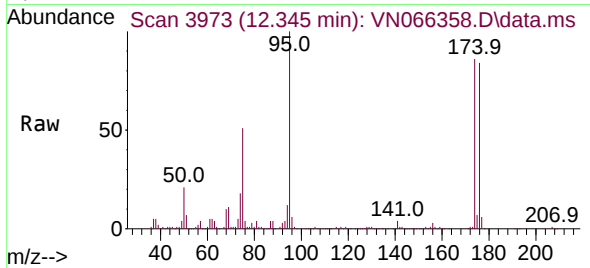




#76
1,2,3-Trichloropropane
Concen: 24.38 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

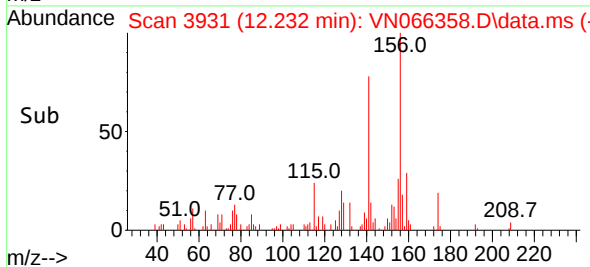
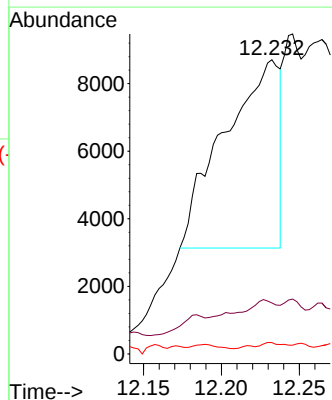
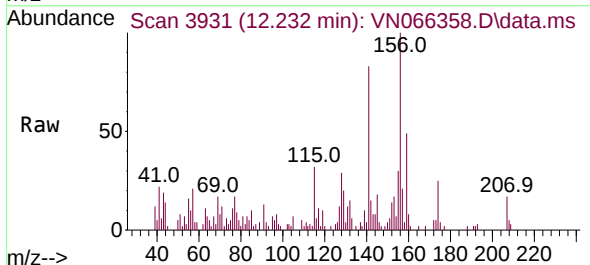
Instrument :
MSVOA_N
ClientSampled :
243

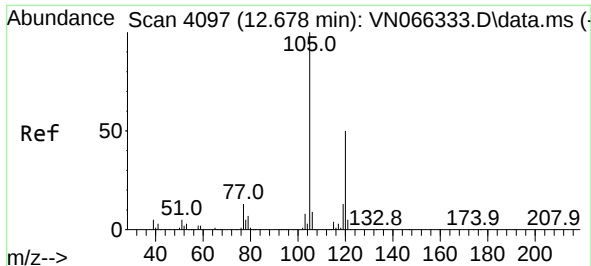
Tgt Ion: 75 Resp: 126378
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#77
Bromobenzene
Concen: 3.10 ug/l
RT: 12.232 min Scan# 3931
Delta R.T. -0.236 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

Tgt Ion: 156 Resp: 13746
Ion Ratio Lower Upper
156 100
77 2.1 99.7 299.1#
158 0.8 48.8 146.3#

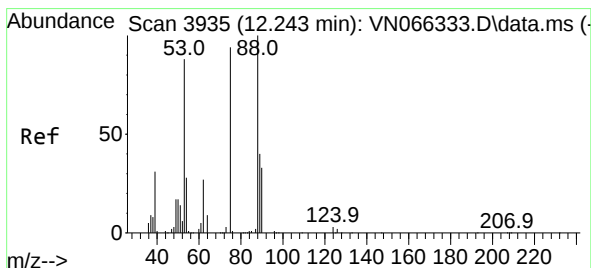
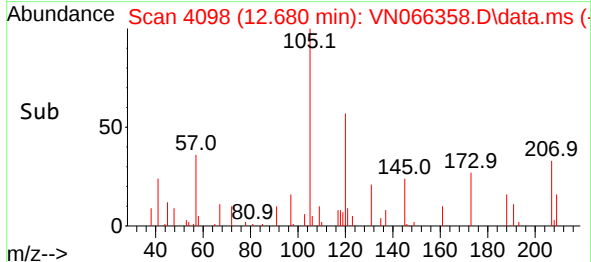
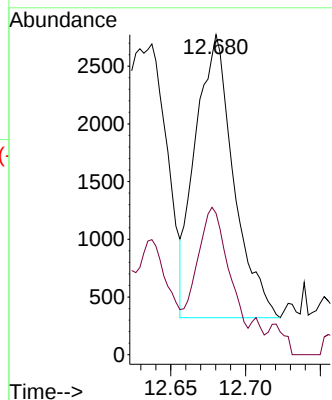
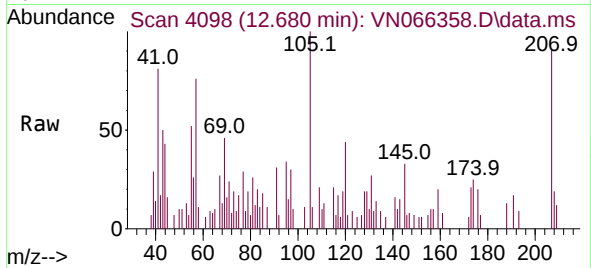




#80
1,3,5-Trimethylbenzene
Concen: 0.30 ug/l
RT: 12.680 min Scan# 4098
Delta R.T. 0.003 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

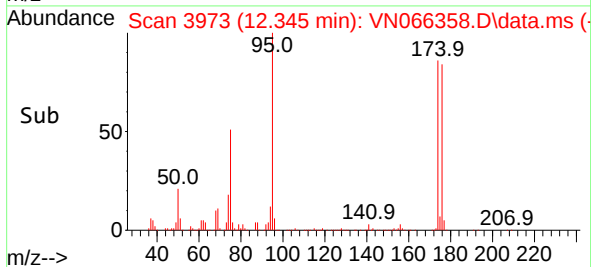
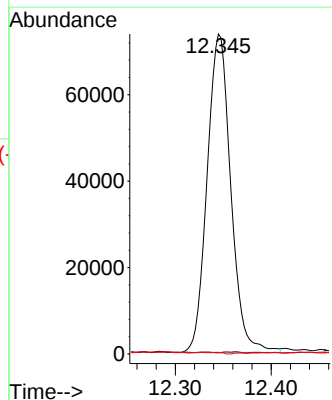
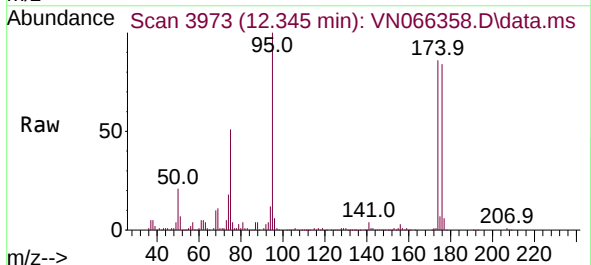
Instrument :
MSVOA_N
ClientSampleId :
243

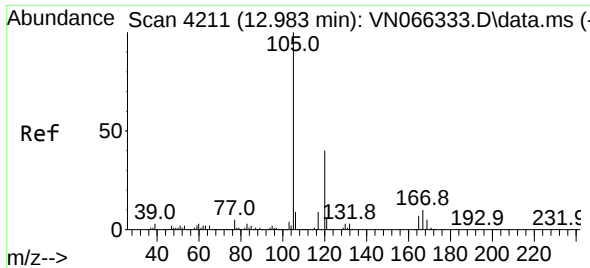
Tgt Ion:105 Resp: 4368
Ion Ratio Lower Upper
105 100
120 45.7 24.5 73.5



#81
trans-1,4-Dichloro-2-butene
Concen: 73.33 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

Tgt Ion: 75 Resp: 126378
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.0 35.7 53.5#

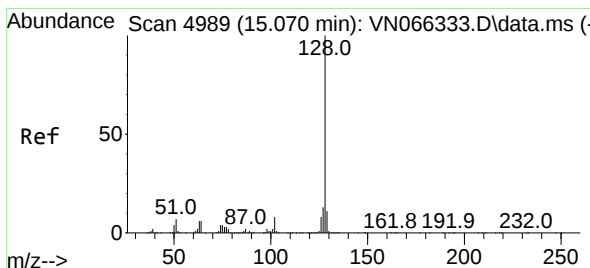
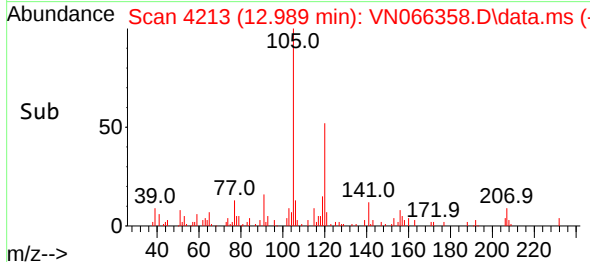
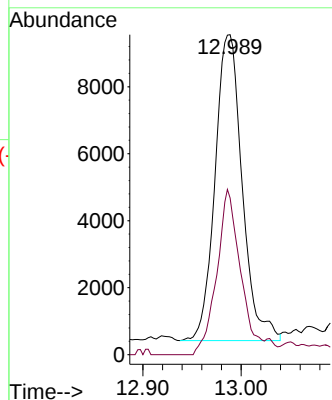
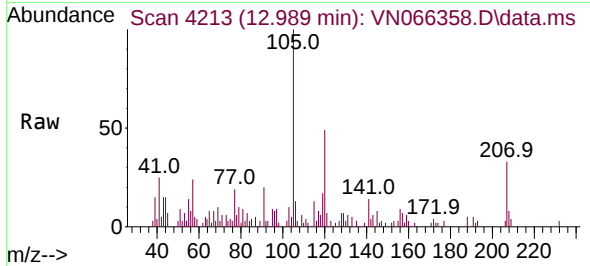




#84
1,2,4-Trimethylbenzene
Concen: 1.26 ug/l
RT: 12.989 min Scan# 4213
Delta R.T. 0.005 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

Instrument :
MSVOA_N
ClientSampled :
243

Tgt Ion:105 Resp: 17557
Ion Ratio Lower Upper
105 100
120 47.1 23.1 69.2



#95
Naphthalene
Concen: 3.58 ug/l
RT: 15.073 min Scan# 4990
Delta R.T. 0.003 min
Lab File: VN066358.D
Acq: 26 Mar 2021 18:43

Tgt Ion:128 Resp: 34269
Ion Ratio Lower Upper
128 100
127 11.6 10.5 15.7
129 12.2 8.5 12.7

