

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051021\
 Data File : VN067073.D
 Acq On : 10 May 2021 15:47
 Operator : JC/MD
 Sample : PB136216ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 11 01:47:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 07:24:52 2021
 Response via : Initial Calibration

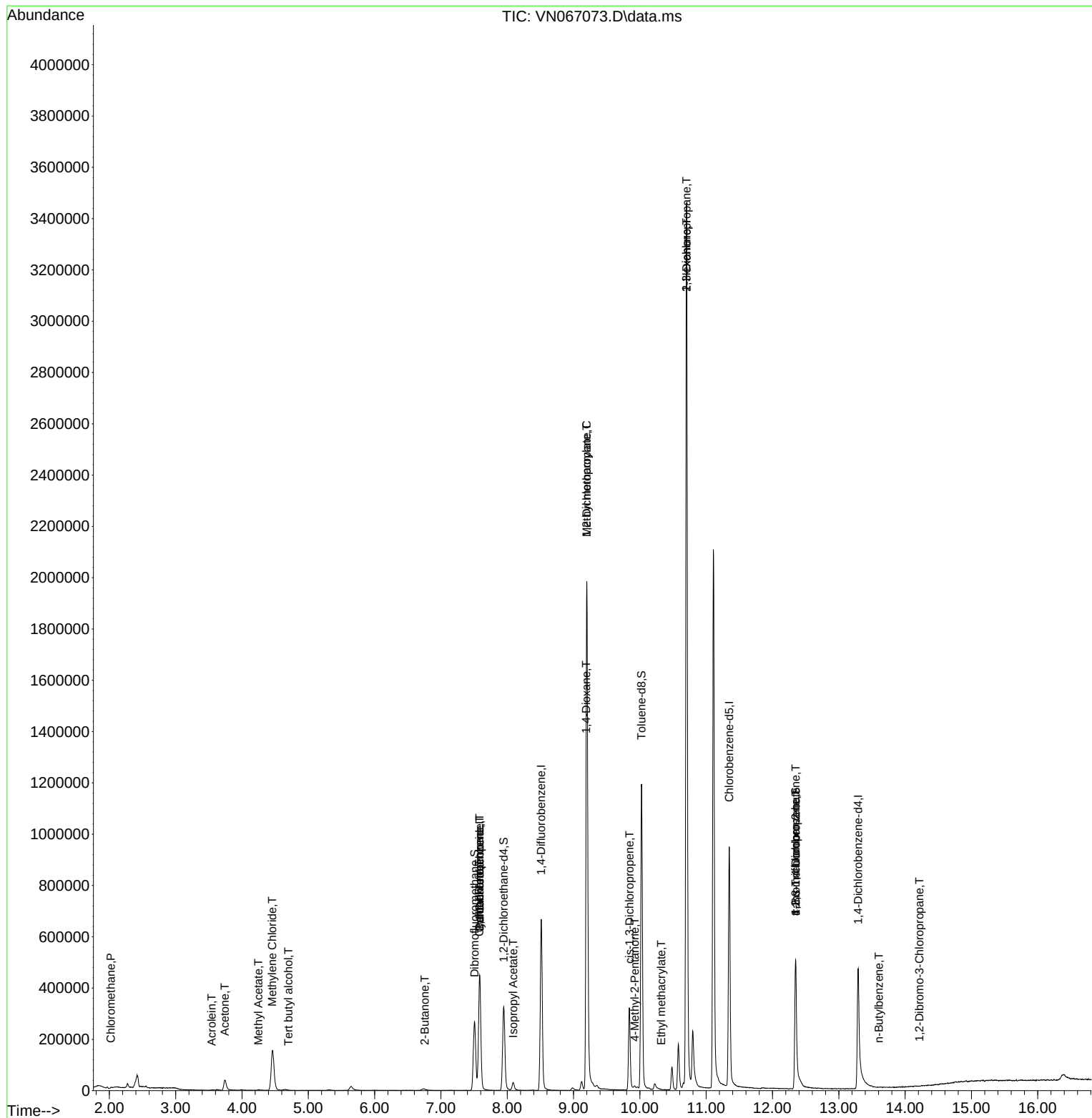
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.584	168	345397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	580197	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	543087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.292	152	183457	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.946	65	302299	55.60	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.20%			
35) Dibromofluoromethane	7.507	113	213284	54.13	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.26%			
50) Toluene-d8	10.025	98	808970	53.92	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.84%			
62) 4-Bromofluorobenzene	12.347	95	236542	46.56	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.12%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.022	50	2933	0.44	ug/l #	82
11) Tert butyl alcohol	4.701	59	483	0.63	ug/l #	73
13) Acrolein	3.540	56	447	0.70	ug/l #	78
16) Acetone	3.738	43	69290	36.23	ug/l	95
18) Methyl Acetate	4.248	43	2815	0.51	ug/l #	76
20) Methylene Chloride	4.457	84	116197	23.95	ug/l	93
25) 2-Butanone	6.756	43	3755	1.33	ug/l	90
31) Cyclohexane	7.579	56	7769	1.02	ug/l #	1
36) 1,1-Dichloropropene	7.584	75	30968	5.12	ug/l #	48
38) Carbon Tetrachloride	7.582	117	37237	5.91	ug/l #	16
43) Isopropyl Acetate	8.088	43	38079	3.81	ug/l #	89
45) 1,2-Dichloropropane	9.199	63	2630	0.50	ug/l #	44
48) Methyl methacrylate	9.199	41	187019	42.21	ug/l #	36
49) 1,4-Dioxane	9.188	88	25	0.36	ug/l #	1
51) 4-Methyl-2-Pentanone	9.923	43	4119	0.71	ug/l #	58
54) cis-1,3-Dichloropropene	9.842	75	60625	7.62	ug/l #	63
56) Ethyl methacrylate	10.323	69	117	5.21	ug/l #	27
57) 1,3-Dichloropropane	10.703	76	35321	4.51	ug/l #	44
59) 2-Hexanone	10.703	43	505610	134.51	ug/l #	50
76) 1,2,3-Trichloropropane	12.350	75	126686	28.99	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.350	75	126686	86.35	ug/l #	12
89) n-Butylbenzene	13.605	91	29	5.24	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.217	75	253	0.29	ug/l #	1

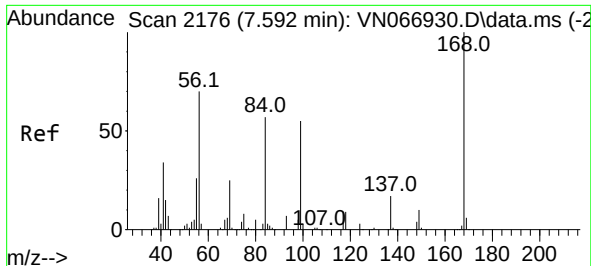
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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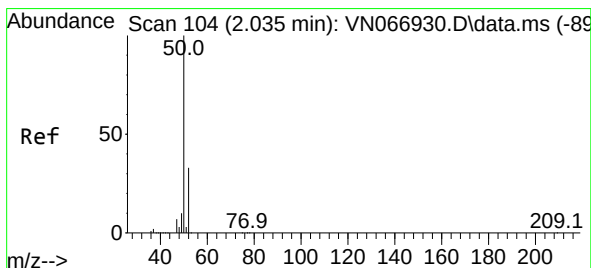
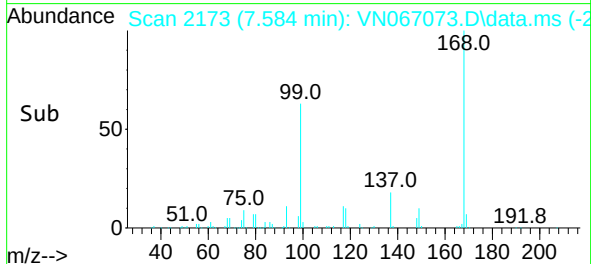
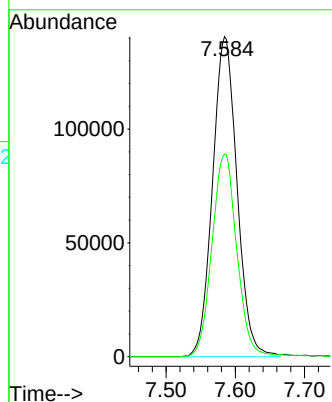
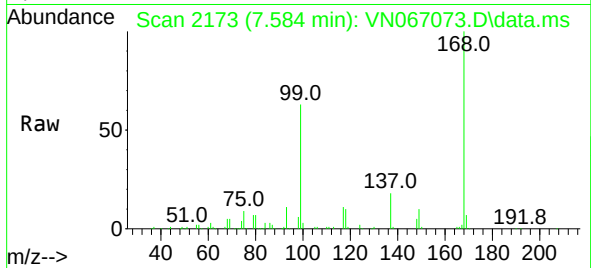




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2173
Delta R.T. -0.008 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

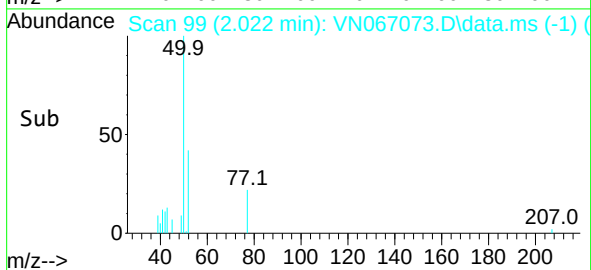
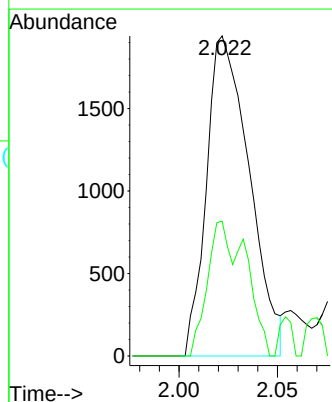
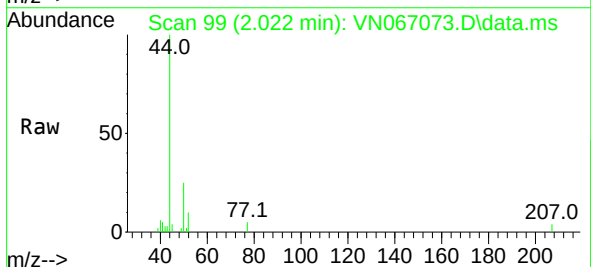
Instrument :
MSVOA_N
ClientSampleId :

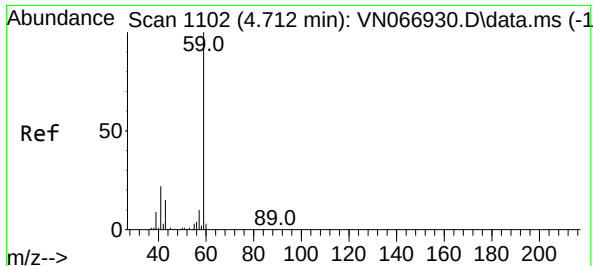
Tgt Ion:168 Resp: 345397
Ion Ratio Lower Upper
168 100
99 63.4 42.6 63.8



#3
Chloromethane
Concen: 0.44 ug/l
RT: 2.022 min Scan# 99
Delta R.T. -0.013 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

Tgt Ion: 50 Resp: 2933
Ion Ratio Lower Upper
50 100
52 42.2 25.8 38.8#



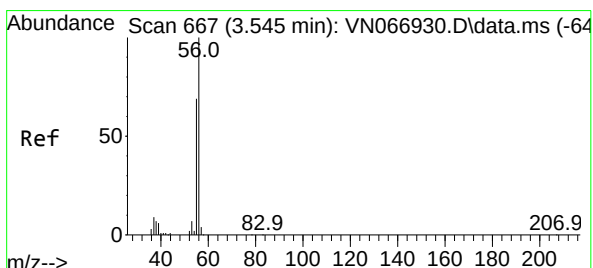
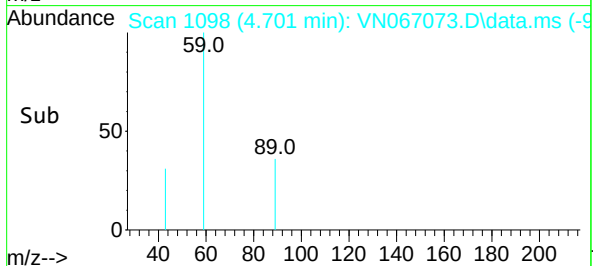
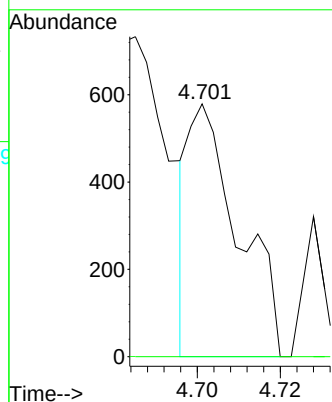
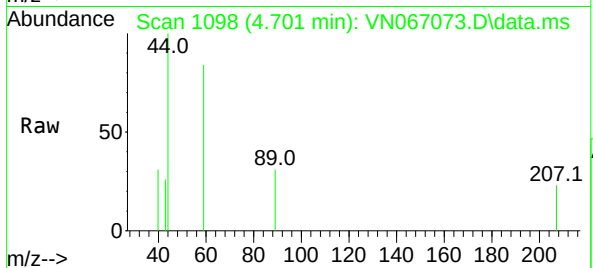


#11

Tert butyl alcohol
Concen: 0.63 ug/l
RT: 4.701 min Scan# 1098
Delta R.T. -0.011 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

Instrument :
MSVOA_N
ClientSampled :

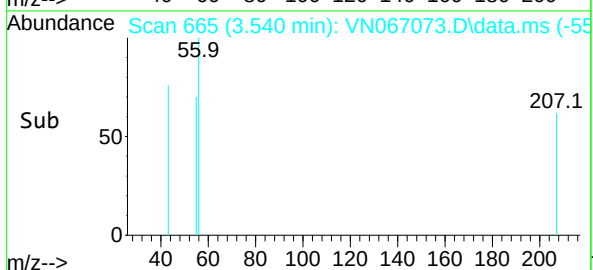
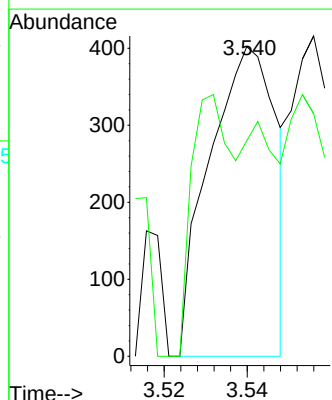
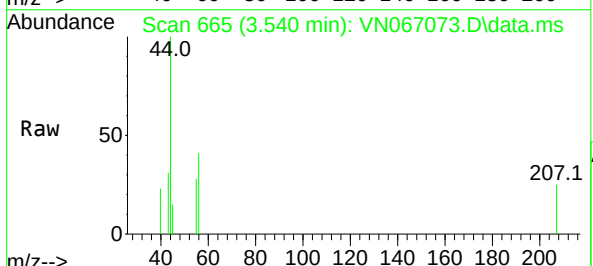
Tgt Ion: 59 Resp: 483
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

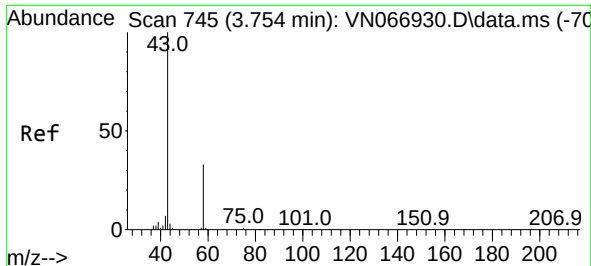


#13

Acrolein
Concen: 0.70 ug/l
RT: 3.540 min Scan# 665
Delta R.T. -0.005 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

Tgt Ion: 56 Resp: 447
Ion Ratio Lower Upper
56 100
55 52.3 56.0 84.0#

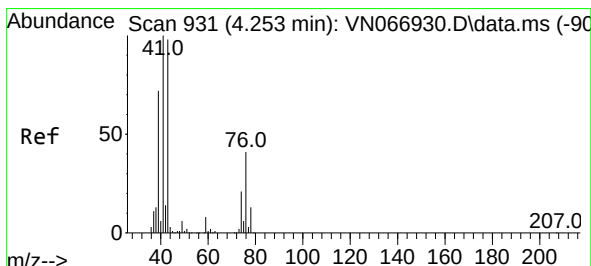
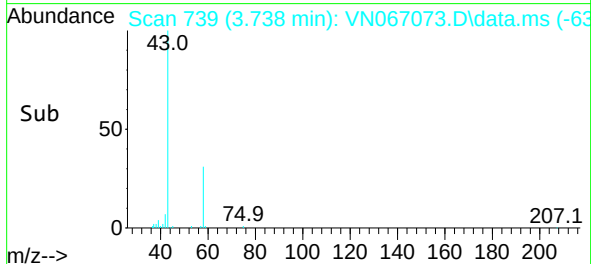
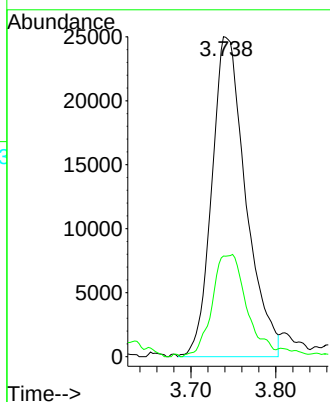
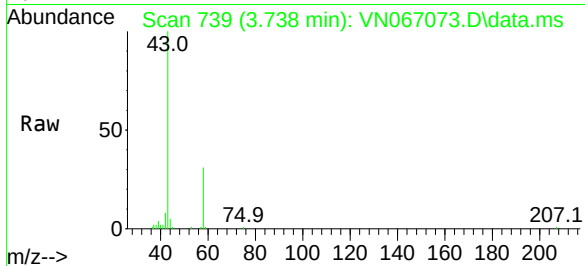




#16
Acetone
Concen: 36.23 ug/l
RT: 3.738 min Scan# 739
Delta R.T. -0.016 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

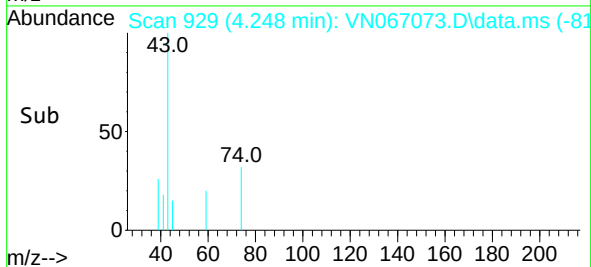
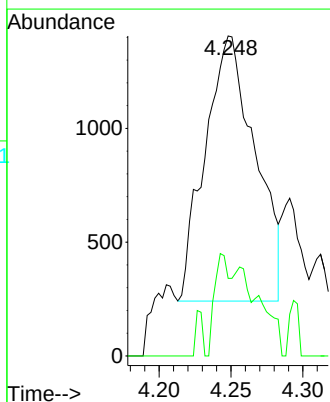
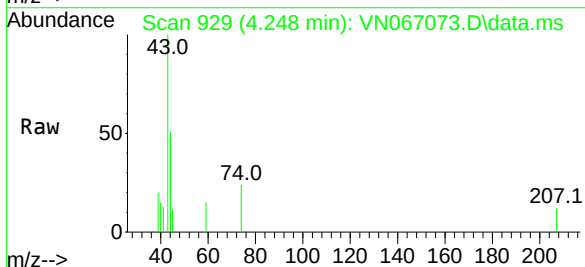
Instrument :
MSVOA_N
ClientSampleId :

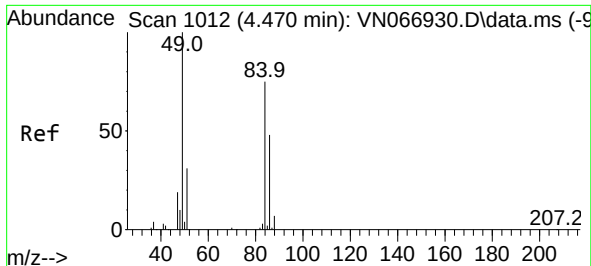
Tgt Ion: 43 Resp: 69290
Ion Ratio Lower Upper
43 100
58 30.8 27.0 40.6



#18
Methyl Acetate
Concen: 0.51 ug/l
RT: 4.248 min Scan# 929
Delta R.T. -0.005 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

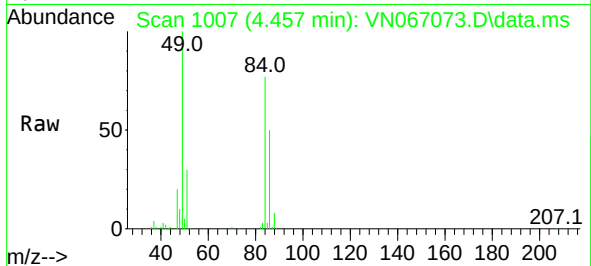
Tgt Ion: 43 Resp: 2815
Ion Ratio Lower Upper
43 100
74 12.3 19.5 29.3#



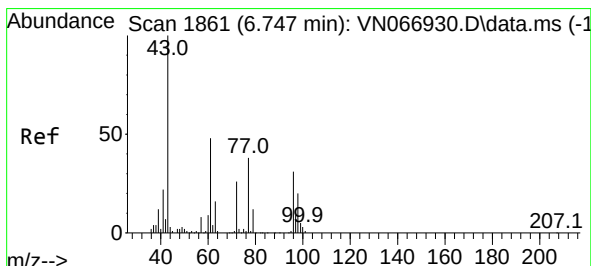
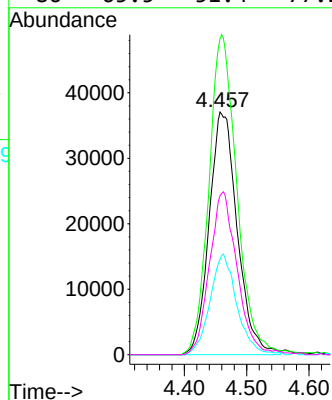
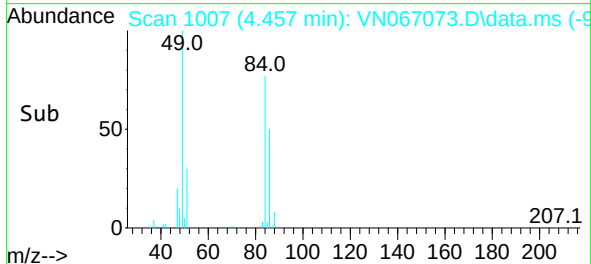


#20
Methylene Chloride
Concen: 23.95 ug/l
RT: 4.457 min Scan# 1007
Delta R.T. -0.013 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

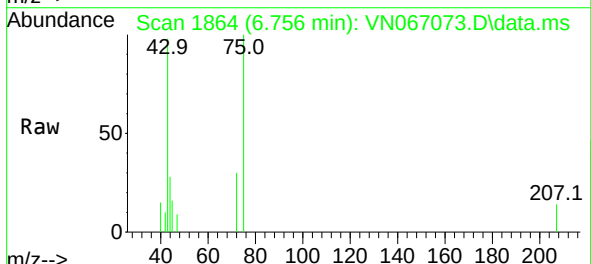
Instrument :
MSVOA_N
ClientSampleId :



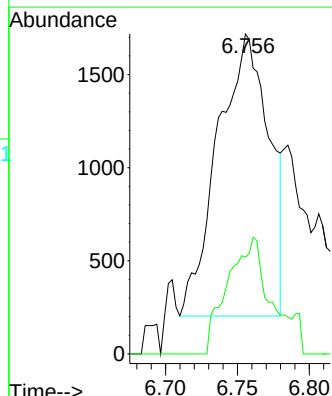
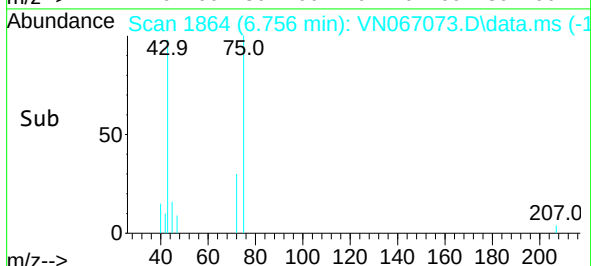
Tgt Ion:	84	Resp:	116197
Ion	Ratio	Lower	Upper
84	100		
49	130.2	94.6	141.8
51	39.3	29.9	44.9
86	65.5	51.4	77.2

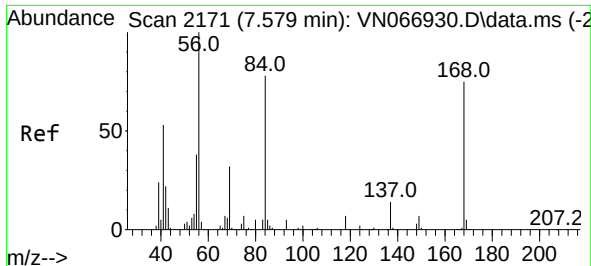


#25
2-Butanone
Concen: 1.33 ug/l
RT: 6.756 min Scan# 1864
Delta R.T. 0.009 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47



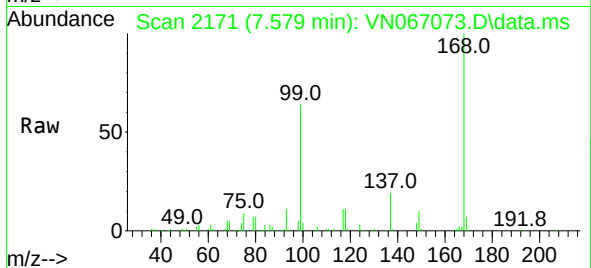
Tgt Ion:	43	Resp:	3755
Ion	Ratio	Lower	Upper
43	100		
72	34.3	23.1	34.7



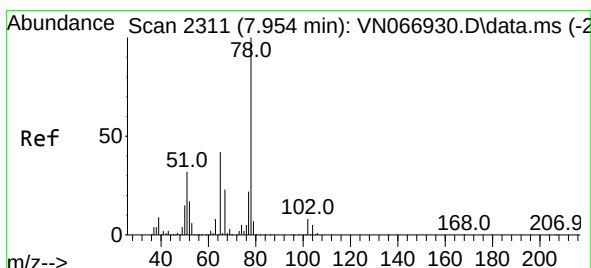
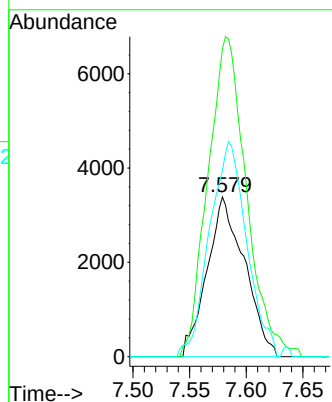
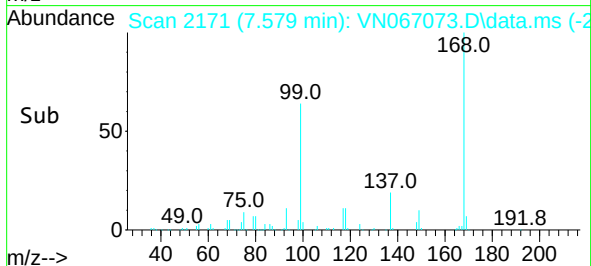


#31
Cyclohexane
Concen: 1.02 ug/l
RT: 7.579 min Scan# 2171
Delta R.T. -0.000 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

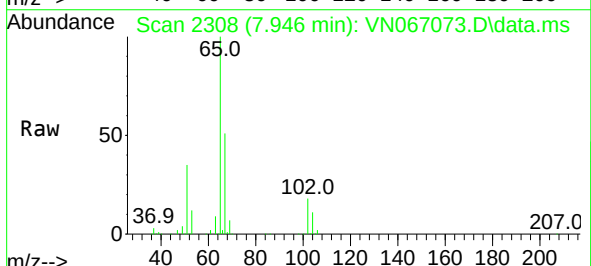
Instrument :
MSVOA_N
ClientSampleId :



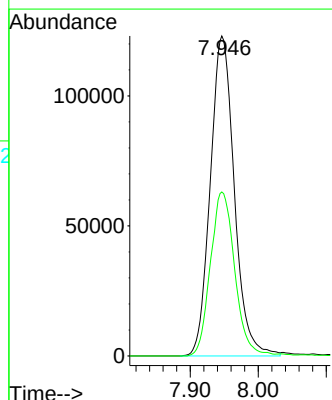
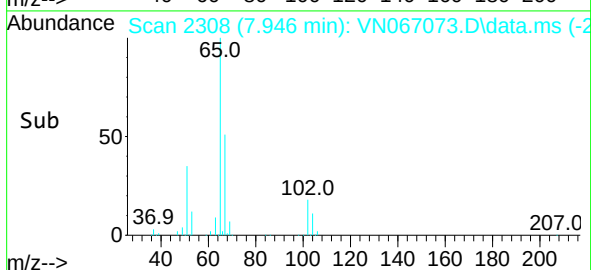
Tgt Ion: 56 Resp: 7769
Ion Ratio Lower Upper
56 100
69 192.9 26.6 39.8#
84 116.7 70.4 105.6#

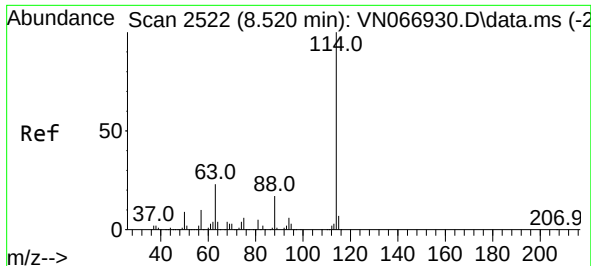


#33
1,2-Dichloroethane-d4
Concen: 55.60 ug/l
RT: 7.946 min Scan# 2308
Delta R.T. -0.008 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47



Tgt Ion: 65 Resp: 302299
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.512 min Scan# 2519

Delta R.T. -0.008 min

Lab File: VN067073.D

Acq: 10 May 2021 15:47

Tgt Ion:114 Resp: 580197

Ion Ratio Lower Upper

114 100

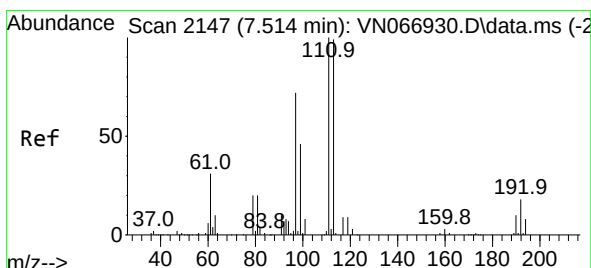
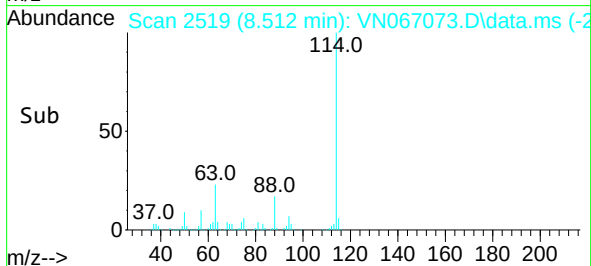
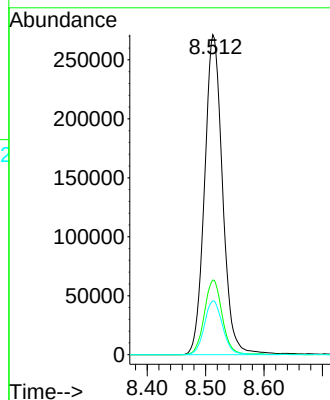
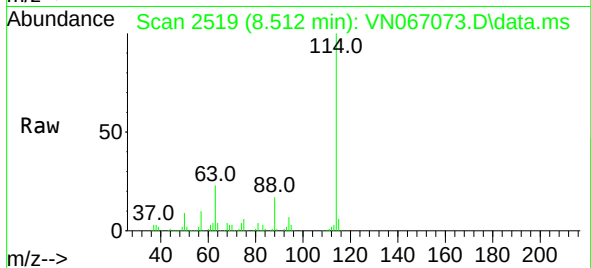
63 23.4 0.0 38.6

88 16.8 0.0 30.6

Instrument :

MSVOA_N

ClientSampled :



#35

Dibromofluoromethane

Concen: 54.13 ug/l

RT: 7.507 min Scan# 2144

Delta R.T. -0.007 min

Lab File: VN067073.D

Acq: 10 May 2021 15:47

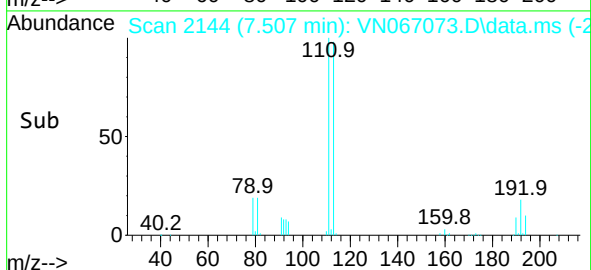
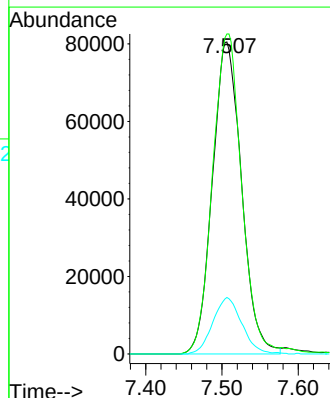
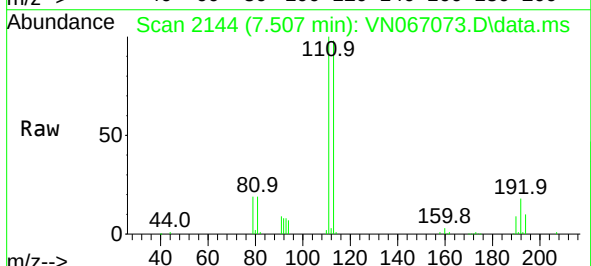
Tgt Ion:113 Resp: 213284

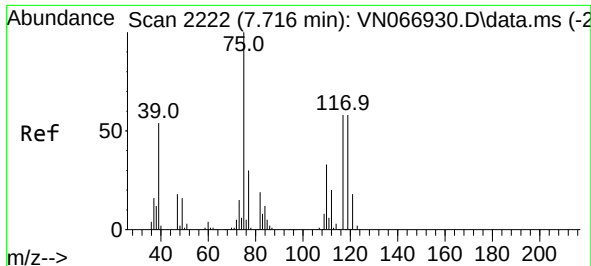
Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.2

192 17.9 15.4 23.0

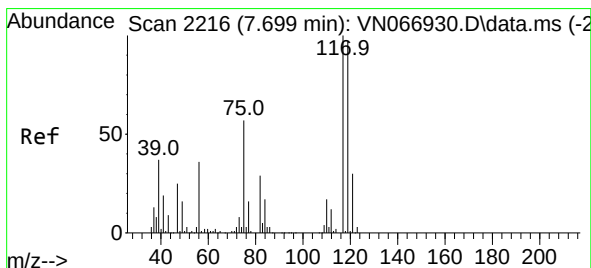
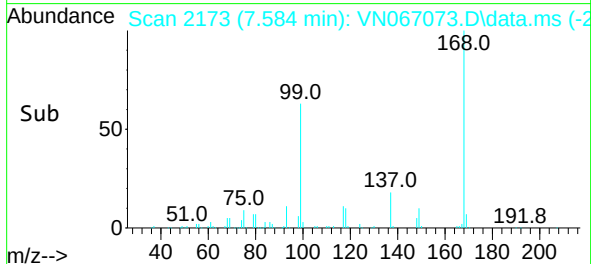
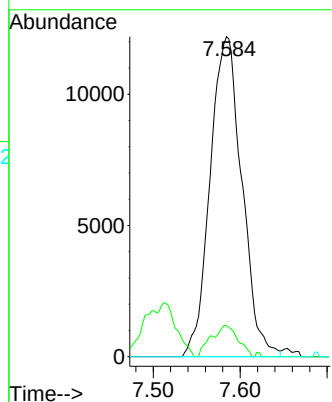
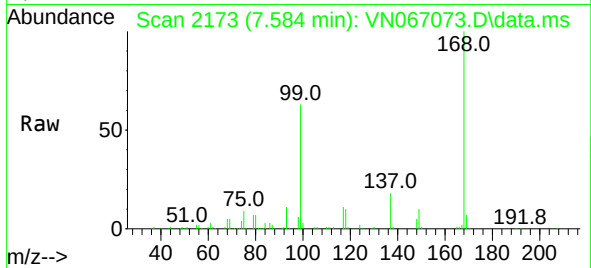




#36
1,1-Dichloropropene
Concen: 5.12 ug/l
RT: 7.584 min Scan# 2173
Delta R.T. -0.132 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

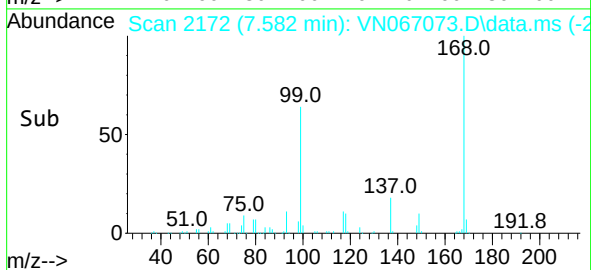
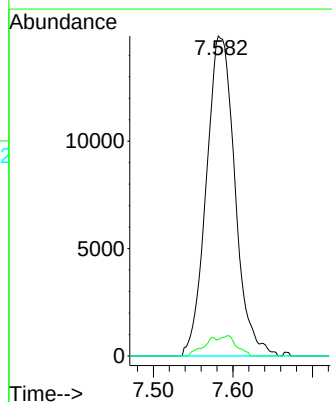
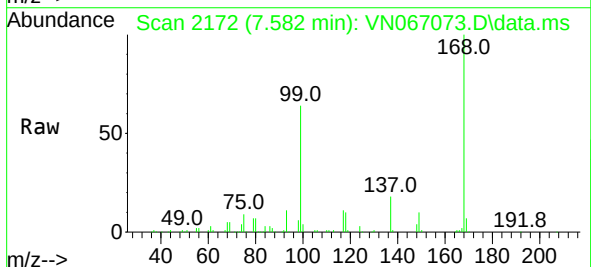
Instrument :
MSVOA_N
ClientSampleId :

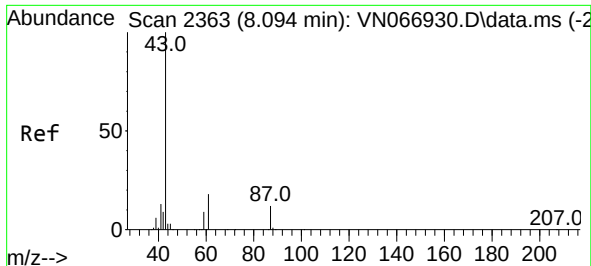
Tgt Ion: 75 Resp: 30968
Ion Ratio Lower Upper
75 100
110 8.2 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.91 ug/l
RT: 7.582 min Scan# 2172
Delta R.T. -0.117 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

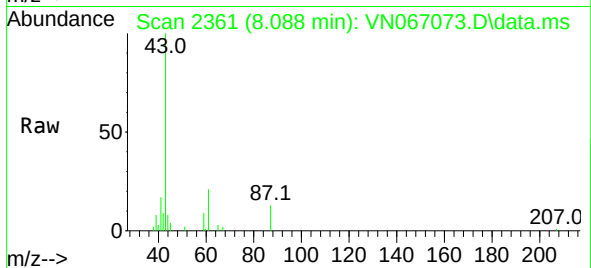
Tgt Ion: 117 Resp: 37237
Ion Ratio Lower Upper
117 100
119 5.1 76.0 114.0#
121 0.0 24.5 36.7#



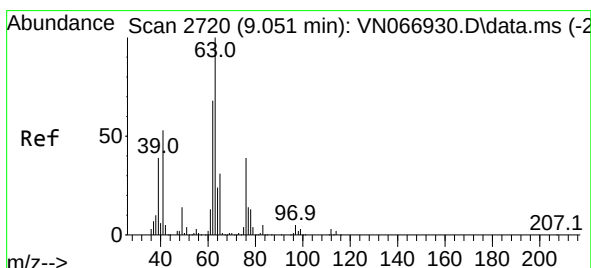
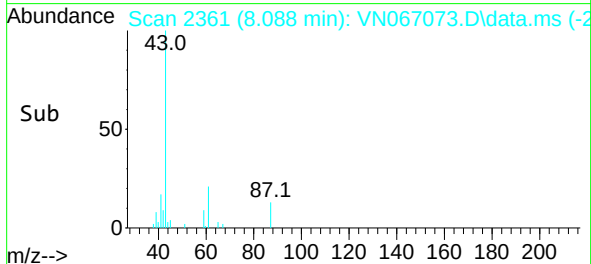
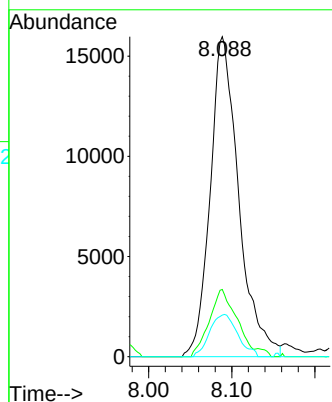


#43
Isopropyl Acetate
Concen: 3.81 ug/l
RT: 8.088 min Scan# 2361
Delta R.T. -0.005 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

Instrument :
MSVOA_N
ClientSampled :

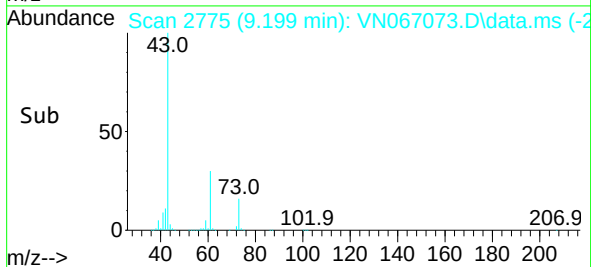
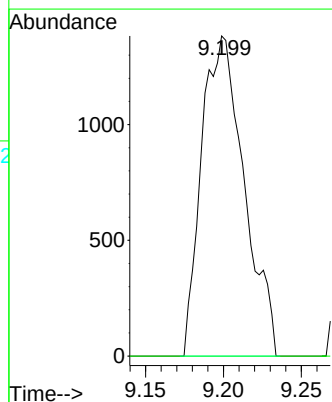
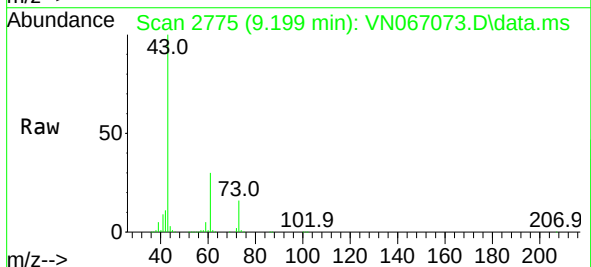


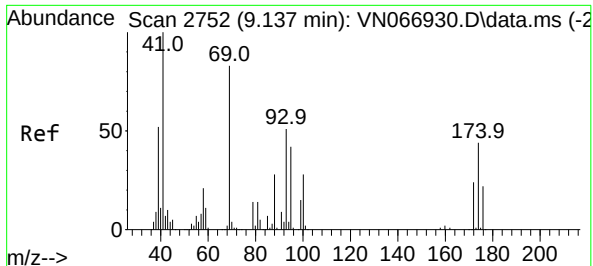
Tgt Ion: 43 Resp: 38079
Ion Ratio Lower Upper
43 100
61 20.1 22.5 33.7#
87 12.9 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.50 ug/l
RT: 9.199 min Scan# 2775
Delta R.T. 0.148 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

Tgt Ion: 63 Resp: 2630
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 42.21 ug/l

RT: 9.199 min Scan# 2775

Delta R.T. 0.062 min

Lab File: VN067073.D

Acq: 10 May 2021 15:47

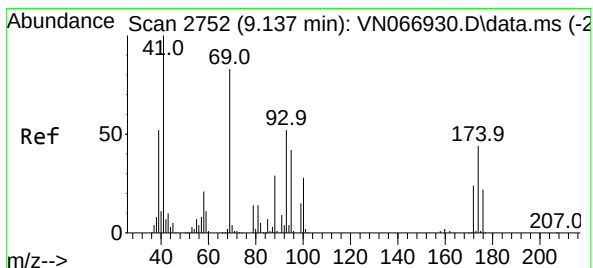
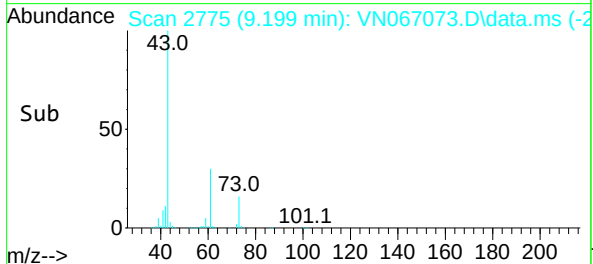
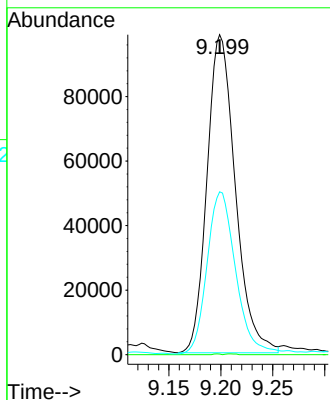
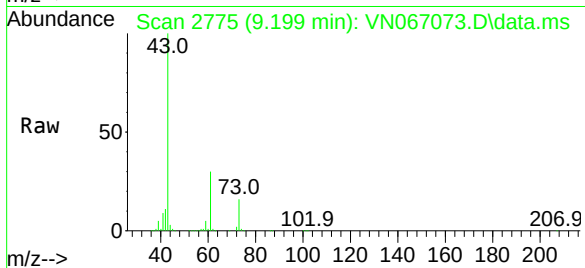
Tgt Ion: 41 Resp: 187019

Ion Ratio Lower Upper

41 100

69 0.1 75.9 113.9#

39 51.3 46.6 69.8



#49

1,4-Dioxane

Concen: 0.36 ug/l

RT: 9.188 min Scan# 2771

Delta R.T. 0.051 min

Lab File: VN067073.D

Acq: 10 May 2021 15:47

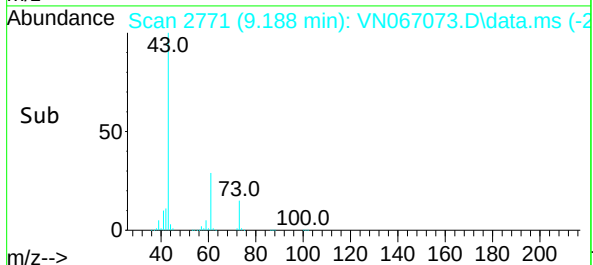
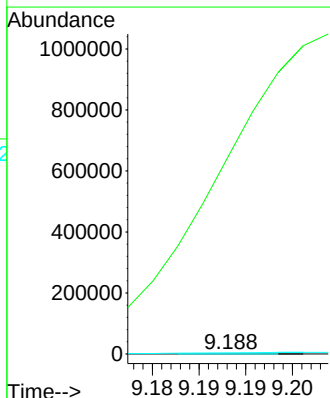
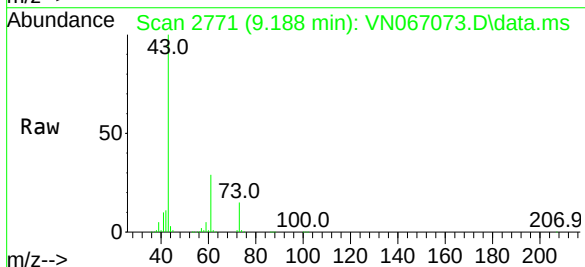
Tgt Ion: 88 Resp: 25

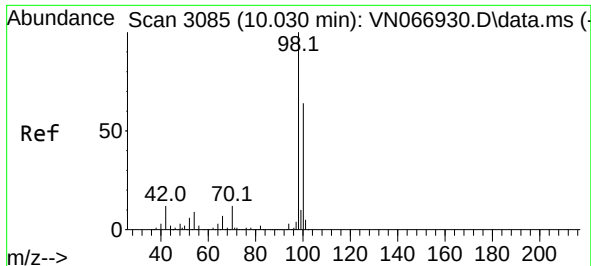
Ion Ratio Lower Upper

88 100

43 8231376.0 24.7 37.1#

58 41820.0 52.6 78.8#

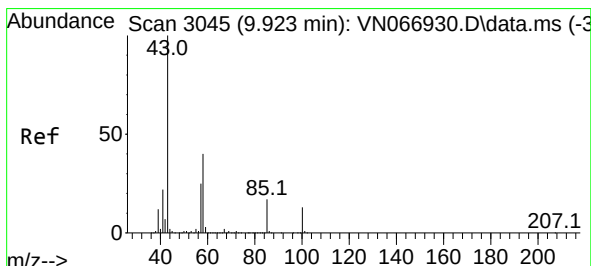
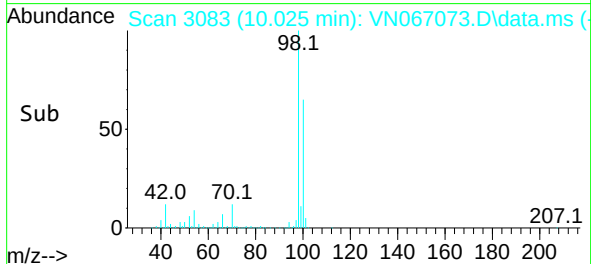
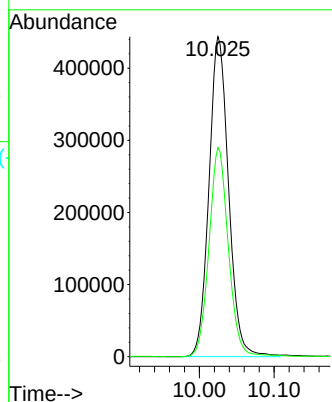
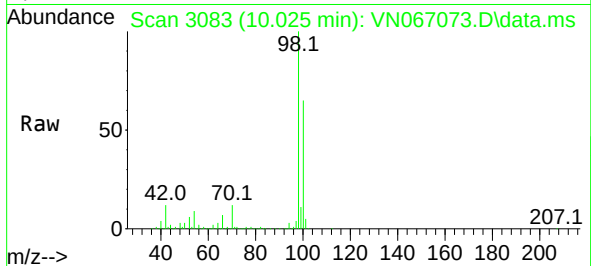




#50
Toluene-d8
Concen: 53.92 ug/l
RT: 10.025 min Scan# 3083
Delta R.T. -0.005 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

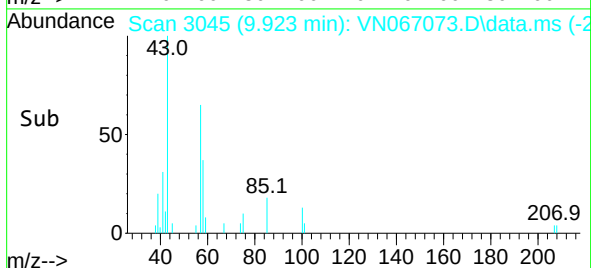
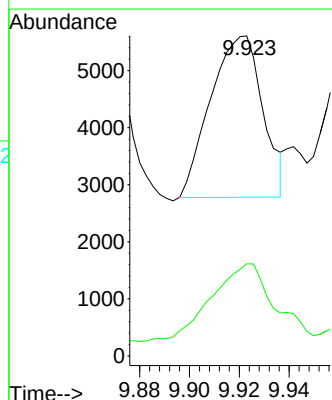
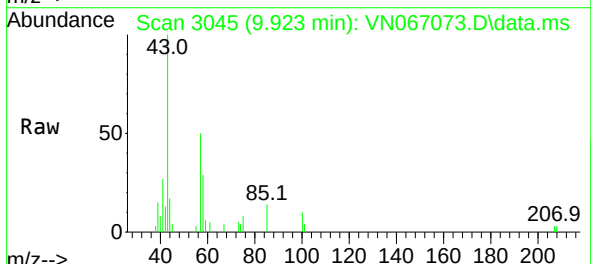
Instrument :
MSVOA_N
ClientSampled :

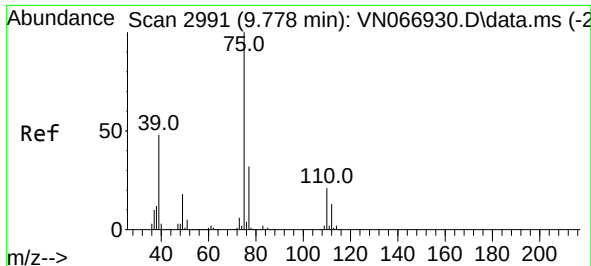
Tgt Ion: 98 Resp: 808970
Ion Ratio Lower Upper
98 100
100 64.6 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.71 ug/l
RT: 9.923 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

Tgt Ion: 43 Resp: 4119
Ion Ratio Lower Upper
43 100
58 66.5 32.5 48.7#

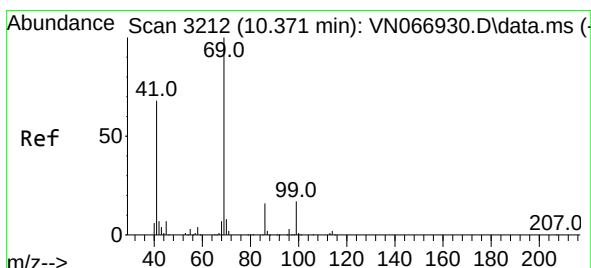
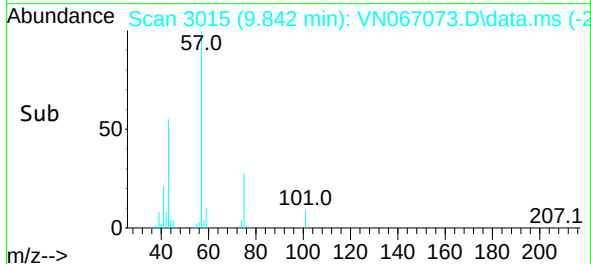
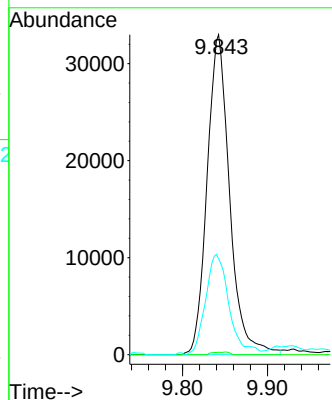
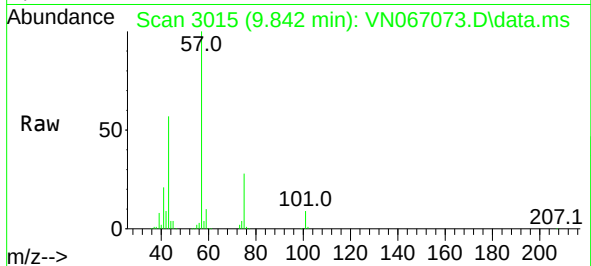




#54
cis-1,3-Dichloropropene
Concen: 7.62 ug/l
RT: 9.842 min Scan# 3015
Delta R.T. 0.064 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

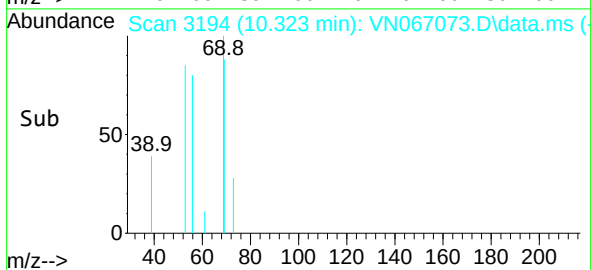
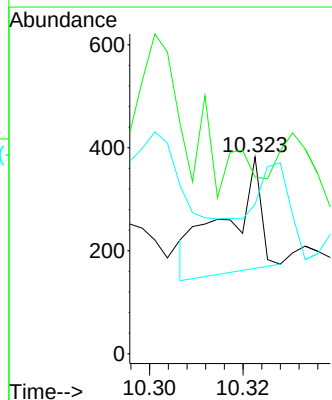
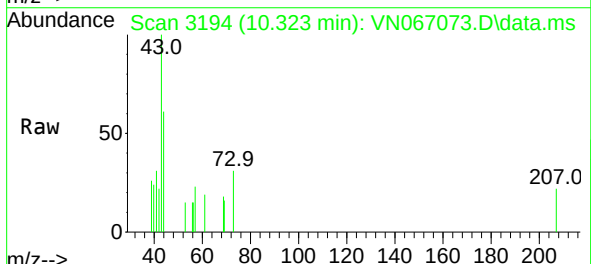
Instrument :
MSVOA_N
ClientSampled :

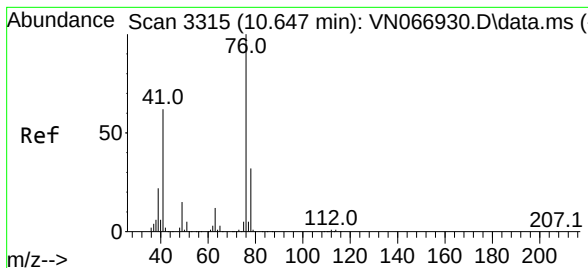
Tgt Ion: 75 Resp: 60625
Ion Ratio Lower Upper
75 100
77 0.7 24.9 37.3#
39 29.4 36.2 54.4#



#56
Ethyl methacrylate
Concen: 5.21 ug/l
RT: 10.323 min Scan# 3194
Delta R.T. -0.048 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

Tgt Ion: 69 Resp: 117
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

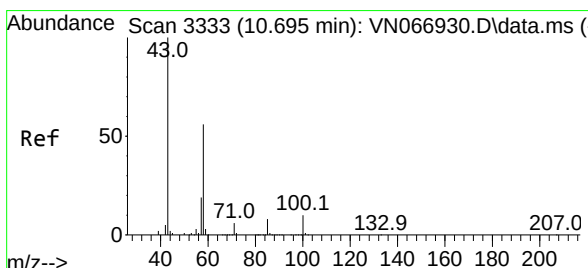
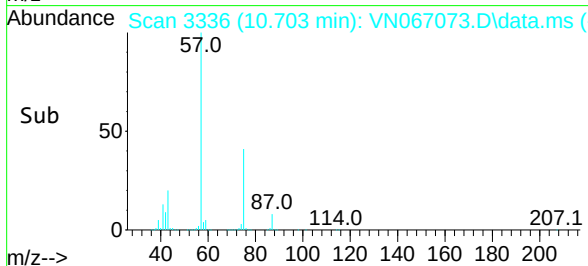
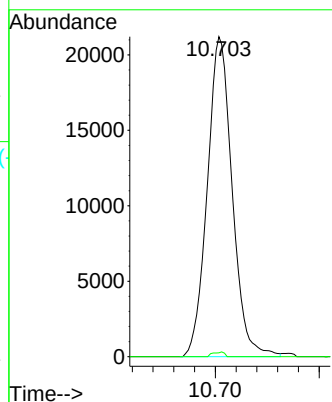
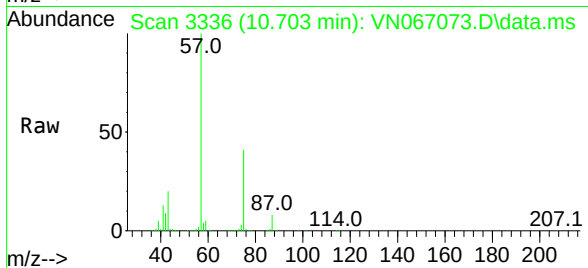




#57
1,3-Dichloropropane
Concen: 4.51 ug/l
RT: 10.703 min Scan# 3336
Delta R.T. 0.056 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

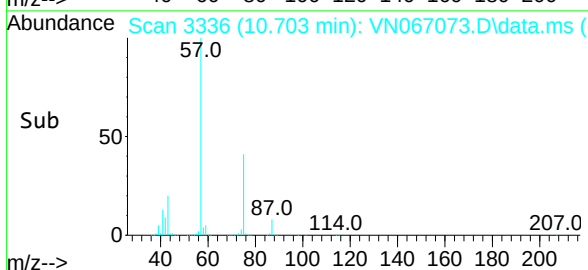
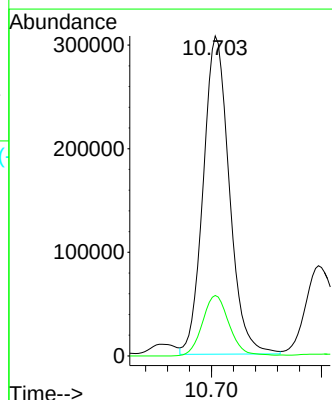
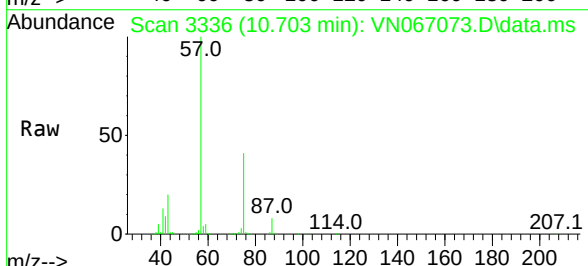
Instrument :
MSVOA_N
ClientSampled :

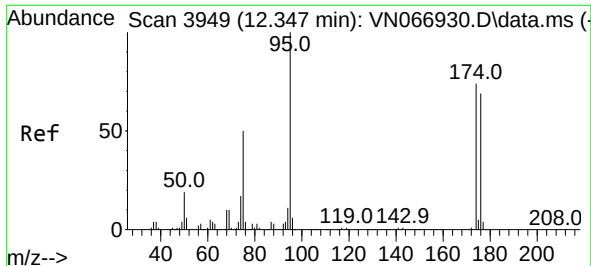
Tgt Ion: 76 Resp: 35321
Ion Ratio Lower Upper
76 100
78 0.7 25.7 38.5#



#59
2-Hexanone
Concen: 134.51 ug/l
RT: 10.703 min Scan# 3336
Delta R.T. 0.008 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

Tgt Ion: 43 Resp: 505610
Ion Ratio Lower Upper
43 100
58 19.6 28.1 84.3#

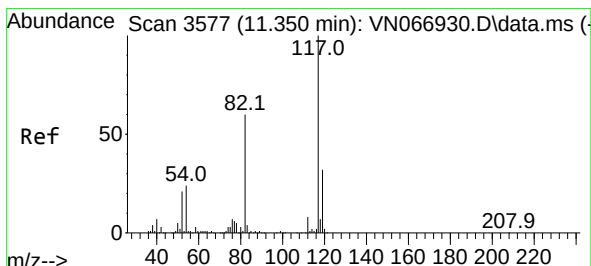
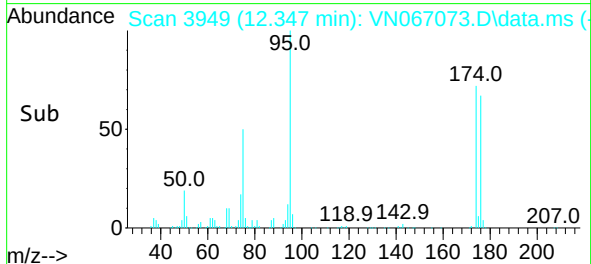
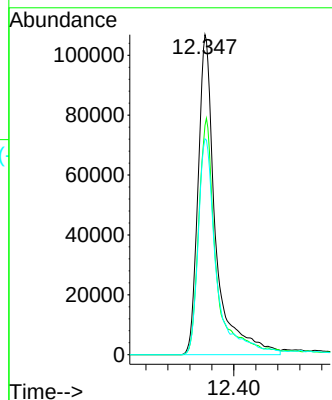
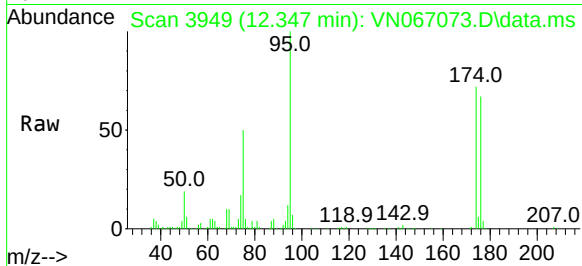




#62
4-Bromofluorobenzene
Concen: 46.56 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. 0.000 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

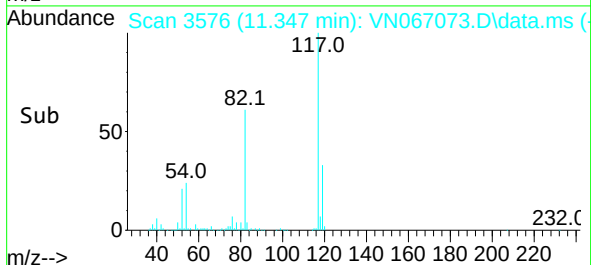
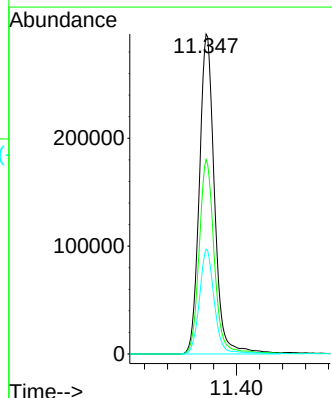
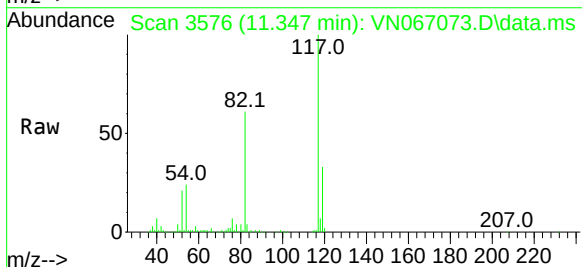
Instrument :
MSVOA_N
ClientSampleId :

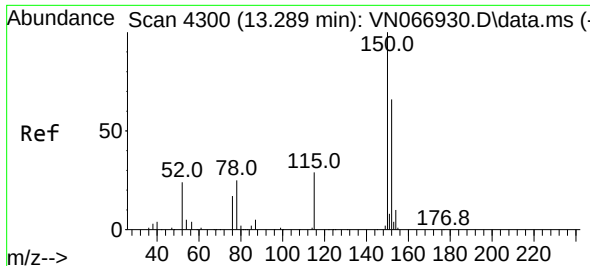
Tgt Ion: 95 Resp: 236542
Ion Ratio Lower Upper
95 100
174 72.4 0.0 169.0
176 69.3 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3576
Delta R.T. -0.003 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

Tgt Ion: 117 Resp: 543087
Ion Ratio Lower Upper
117 100
82 60.8 43.7 65.5
119 32.7 26.1 39.1

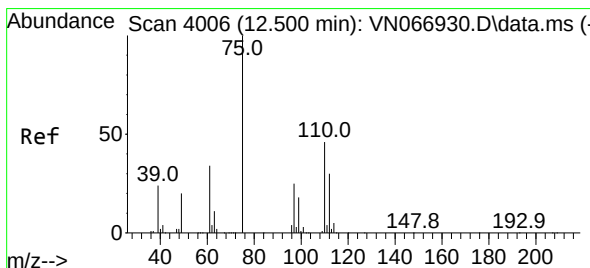
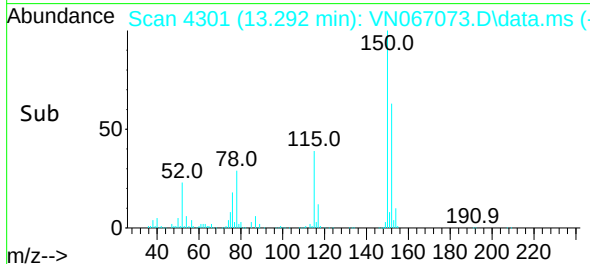
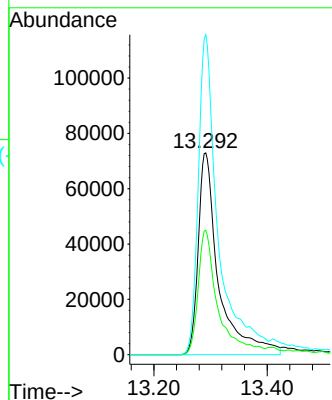
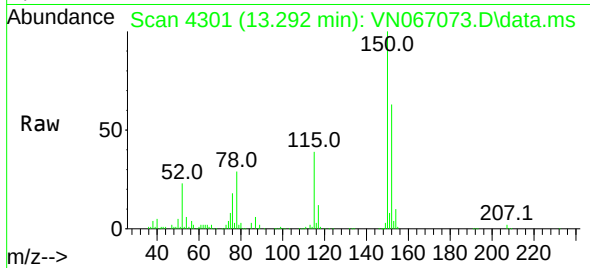




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.292 min Scan# 4301
Delta R.T. 0.003 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

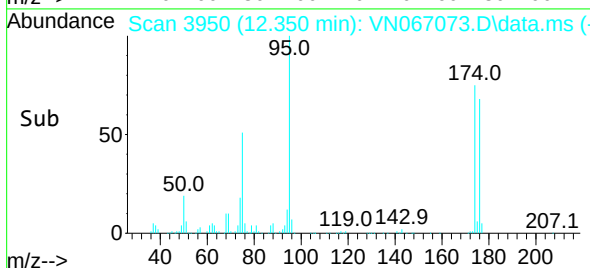
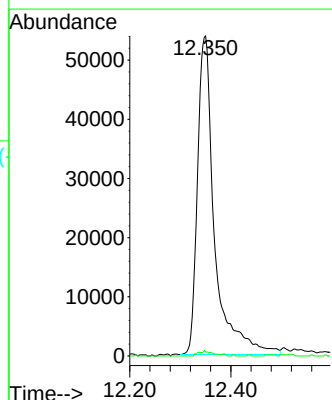
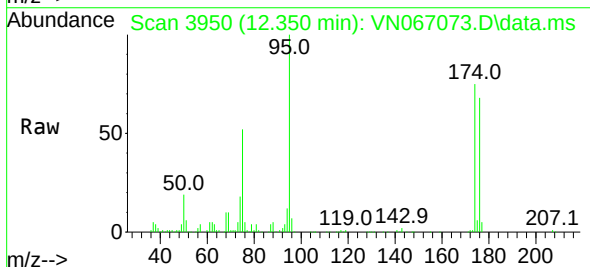
Instrument :
MSVOA_N
ClientSampleId :

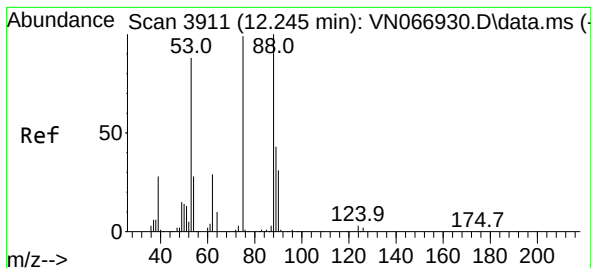
Tgt Ion:152 Resp: 183457
Ion Ratio Lower Upper
152 100
115 59.7 28.5 85.6
150 153.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 28.99 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

Tgt Ion: 75 Resp: 126686
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

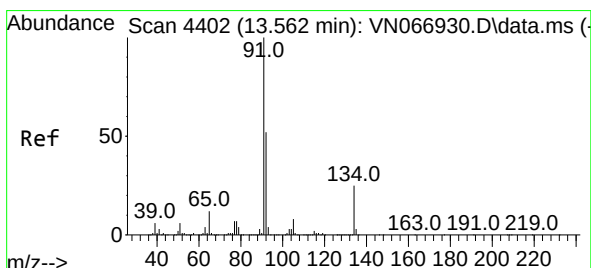
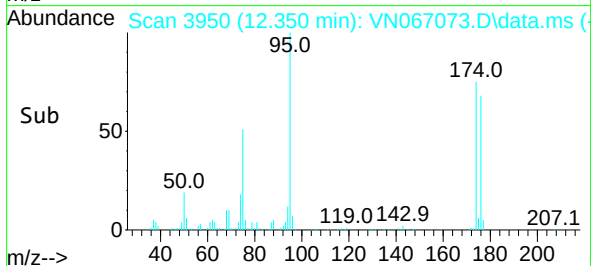
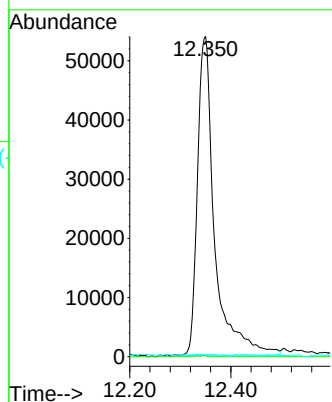
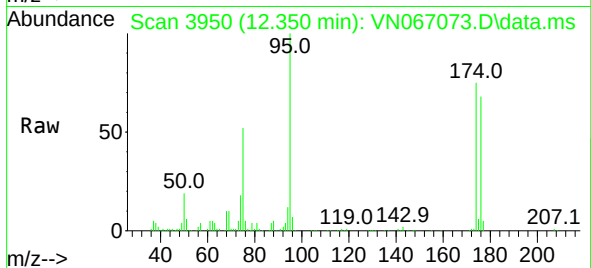




#81
trans-1,4-Dichloro-2-butene
Concen: 86.35 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

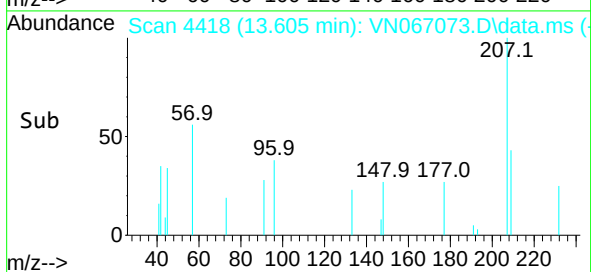
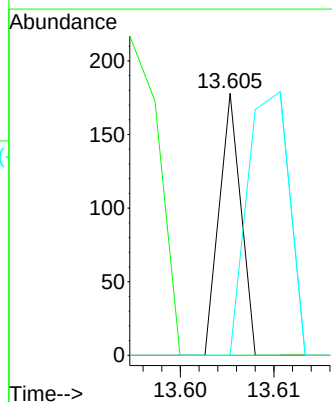
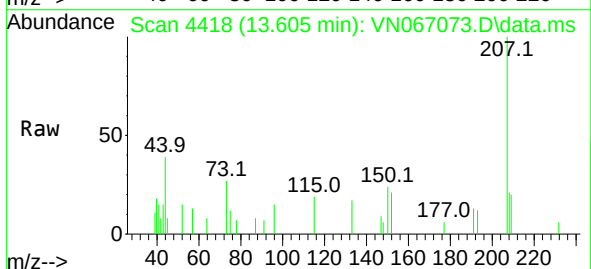
Instrument :
MSVOA_N
ClientSampleId :

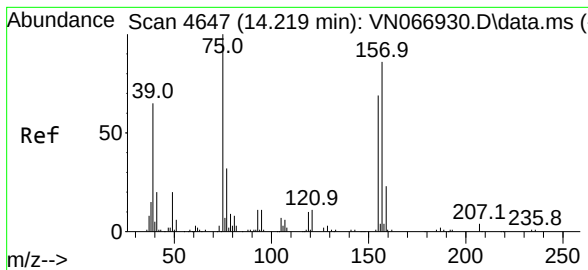
Tgt Ion: 75 Resp: 126686
Ion Ratio Lower Upper
75 100
53 0.1 74.6 111.8#
89 0.1 35.8 53.8#



#89
n-Butylbenzene
Concen: 5.24 ug/l
RT: 13.605 min Scan# 4418
Delta R.T. 0.043 min
Lab File: VN067073.D
Acq: 10 May 2021 15:47

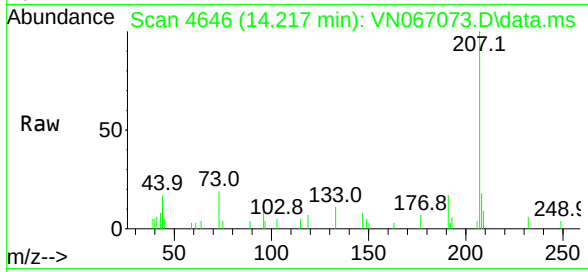
Tgt Ion: 91 Resp: 29
Ion Ratio Lower Upper
91 100
92 313.8 26.1 78.3#
134 193.1 13.0 38.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.29 ug/l
 RT: 14.217 min Scan# 4646
 Delta R.T. -0.002 min
 Lab File: VN067073.D
 Acq: 10 May 2021 15:47

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	253
Ion	Ratio	Lower	Upper
75	100		
155	0.0	44.1	132.4#
157	0.0	56.0	168.2#

