

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102121\
 Data File : VN069117.D
 Acq On : 22 Oct 2021 4:12
 Operator : JC/MD
 Sample : M4285-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 22 07:21:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

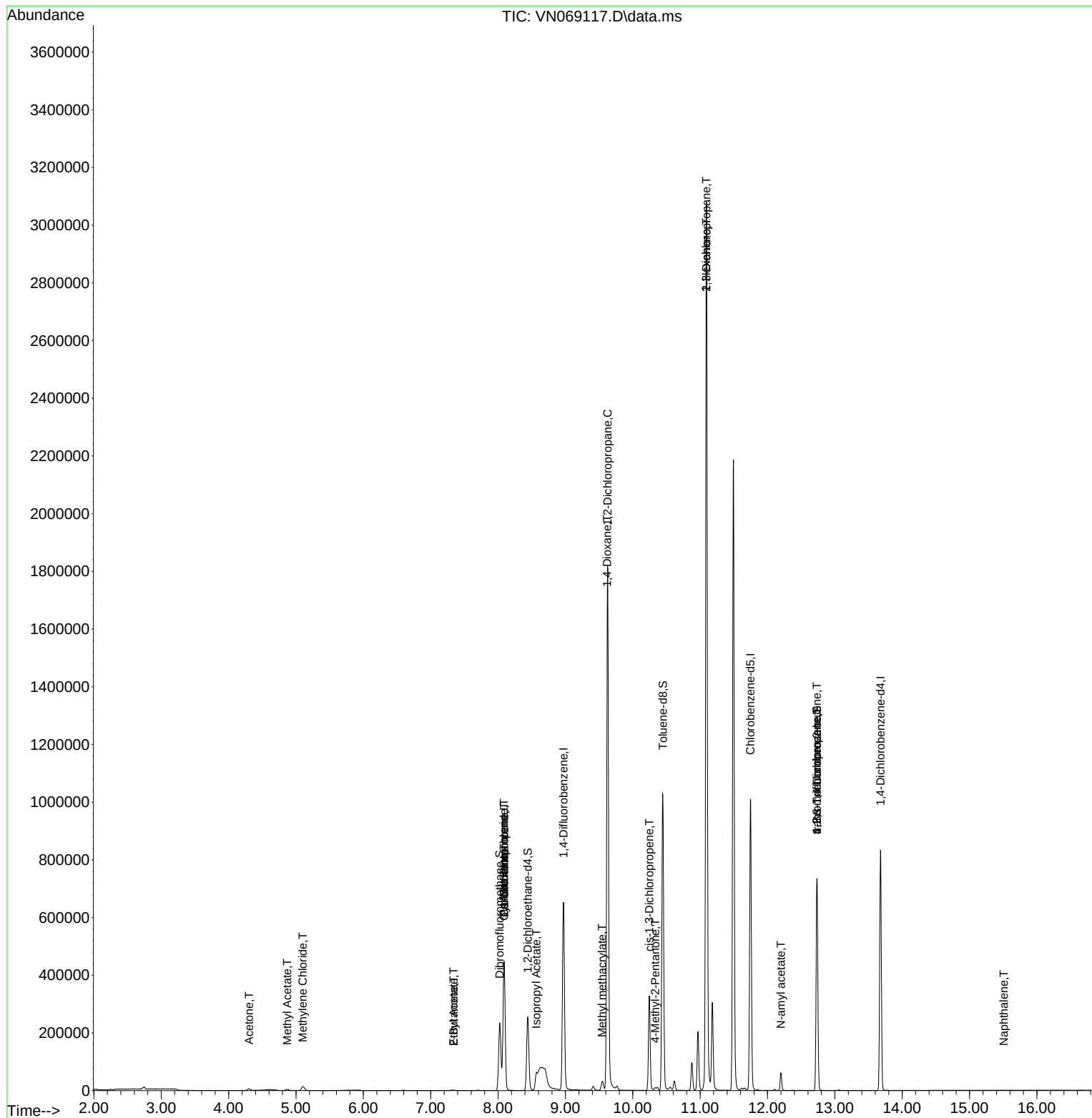
Internal Standards						
1) Pentafluorobenzene	8.091	168	337490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	593697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	594595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	221619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	218737	49.158	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.320%		
35) Dibromofluoromethane	8.024	113	172721	50.003	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.000%		
50) Toluene-d8	10.446	98	744446	53.864	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.720%		
62) 4-Bromofluorobenzene	12.733	95	271358	52.040	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	104.080%		
Target Compounds						
					Qvalue	
16) Acetone	4.301	43	11232	6.764	ug/l	99
18) Methyl Acetate	4.870	43	10114	1.606	ug/l #	66
20) Methylene Chloride	5.101	84	12117	3.170	ug/l	96
25) 2-Butanone	7.340	43	1425	0.567	ug/l	99
31) Cyclohexane	8.086	56	7714	1.115	ug/l #	1
36) 1,1-Dichloropropene	8.091	75	27460	5.415	ug/l #	49
37) Ethyl Acetate	7.340	43	1425	0.272	ug/l #	68
38) Carbon Tetrachloride	8.088	117	34721	6.234	ug/l #	15
43) Isopropyl Acetate	8.568	43	57805	6.255	ug/l #	80
45) 1,2-Dichloropropane	9.628	63	2250	0.562	ug/l #	43
48) Methyl methacrylate	9.545	41	7985	1.839	ug/l #	13
49) 1,4-Dioxane	9.620	88	55	36.260	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	3943	0.736	ug/l #	70
54) cis-1,3-Dichloropropene	10.245	75	62596	9.371	ug/l #	61
57) 1,3-Dichloropropane	11.092	76	34651	5.365	ug/l #	42
59) 2-Hexanone	11.092	43	478564	124.543	ug/l #	51
74) N-amyl acetate	12.197	43	19523	2.794	ug/l #	52
76) 1,2,3-Trichloropropane	12.733	75	141072	29.917	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	141072	71.575	ug/l #	12
95) Naphthalene	15.507	128	467	3.854	ug/l #	69

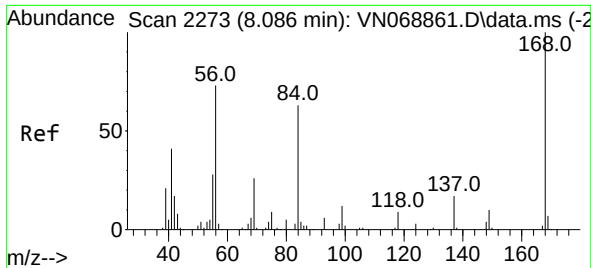
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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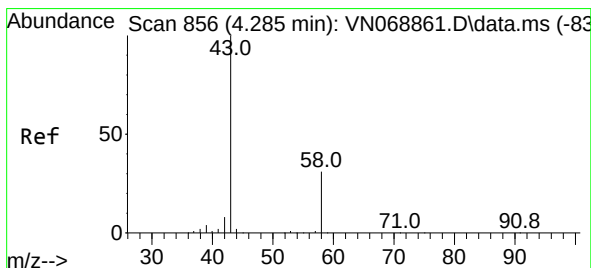
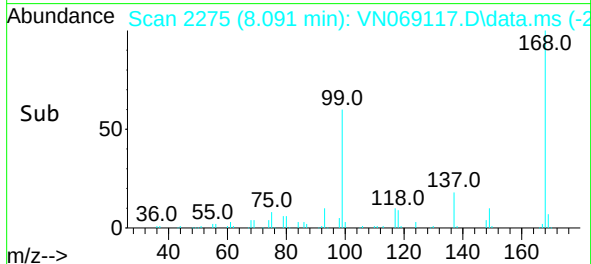
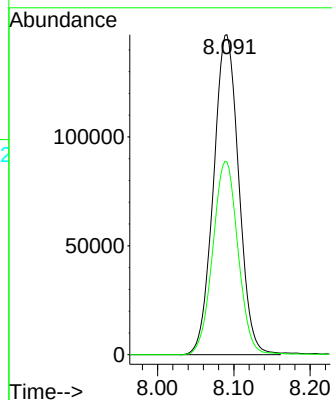
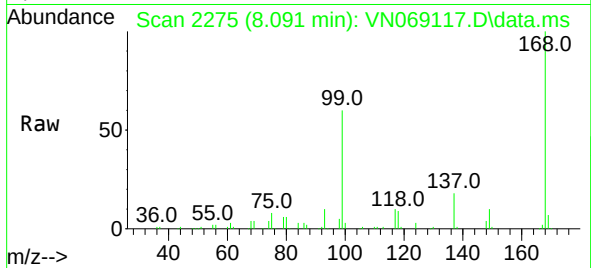




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.005 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

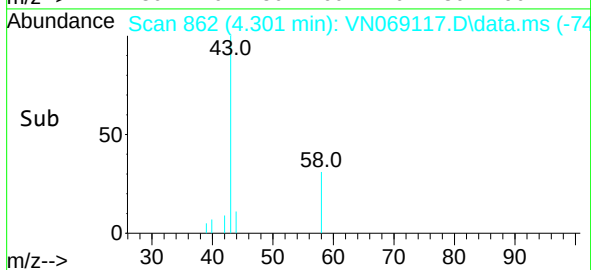
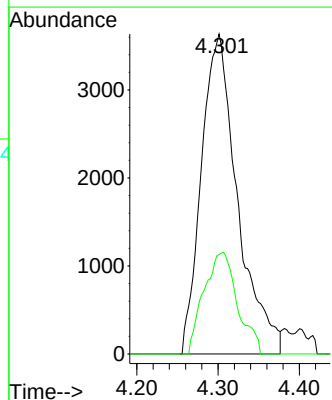
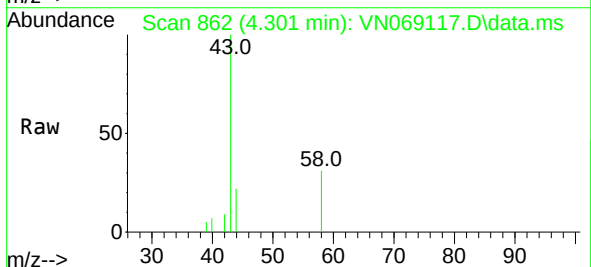
Instrument :
MSVOA_N
ClientSampled :

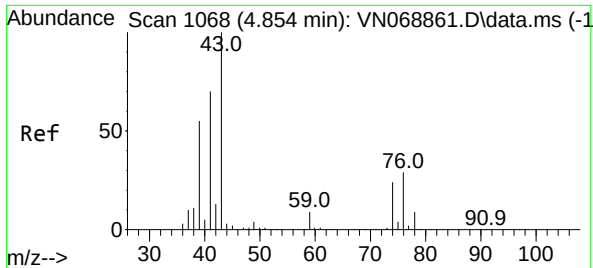
Tgt Ion:168 Resp: 337490
Ion Ratio Lower Upper
168 100
99 60.3 48.9 73.3



#16
Acetone
Concen: 6.764 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.016 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

Tgt Ion: 43 Resp: 11232
Ion Ratio Lower Upper
43 100
58 31.1 24.5 36.7

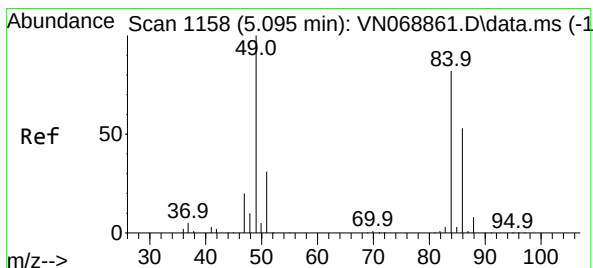
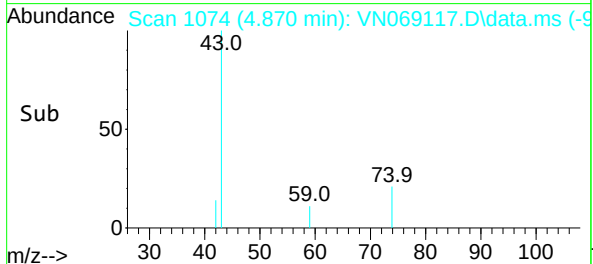
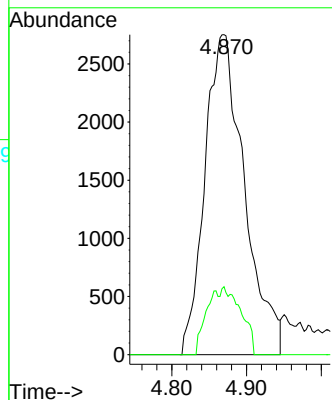
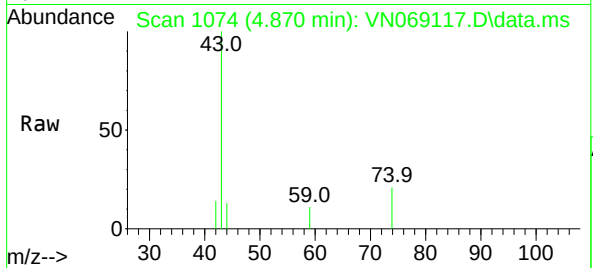




#18
Methyl Acetate
Concen: 1.606 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

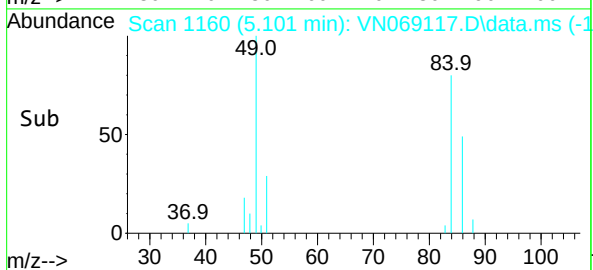
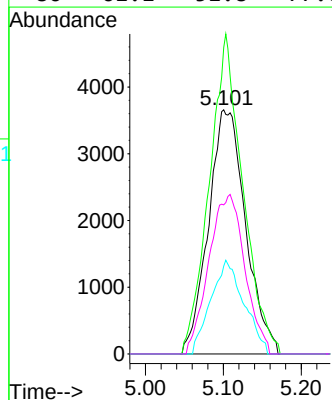
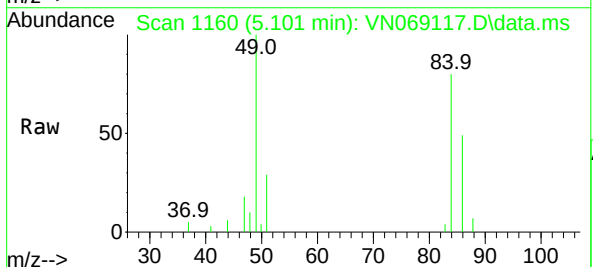
Instrument :
MSVOA_N
ClientSampled :

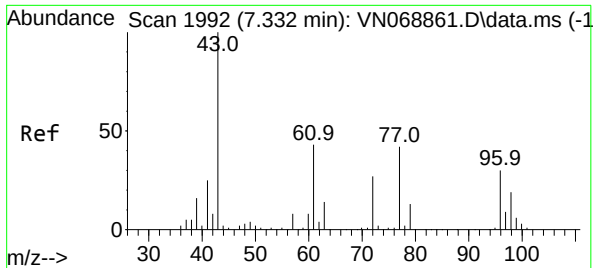
Tgt Ion: 43 Resp: 10114
Ion Ratio Lower Upper
43 100
74 6.7 18.9 28.3#



#20
Methylene Chloride
Concen: 3.170 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.005 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

Tgt Ion: 84 Resp: 12117
Ion Ratio Lower Upper
84 100
49 125.5 97.6 146.4
51 36.0 30.3 45.5
86 61.1 51.8 77.6

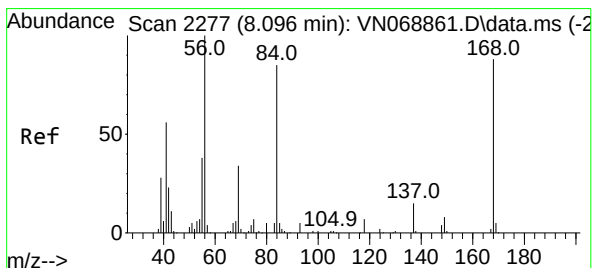
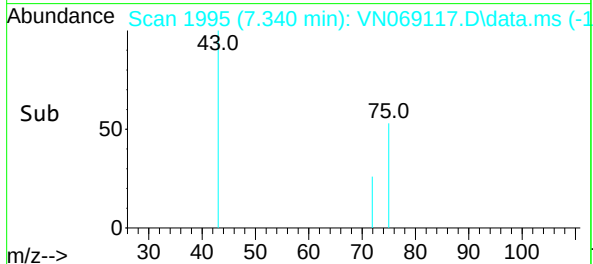
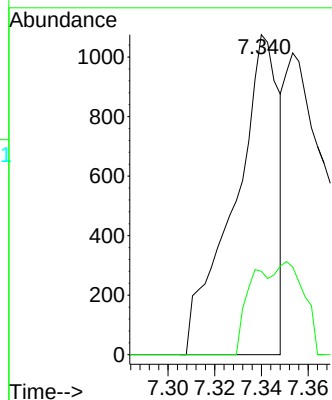
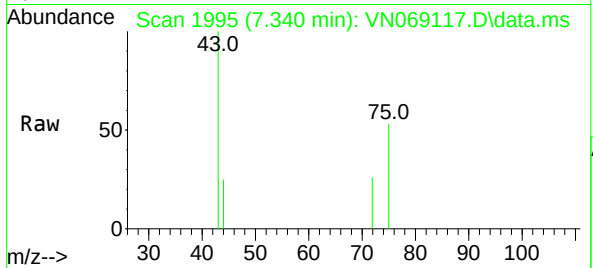




#25
2-Butanone
Concen: 0.567 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.008 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

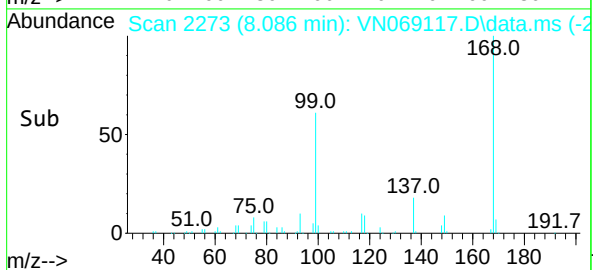
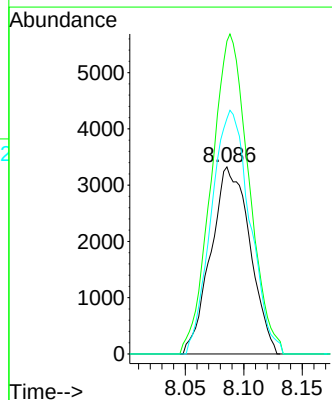
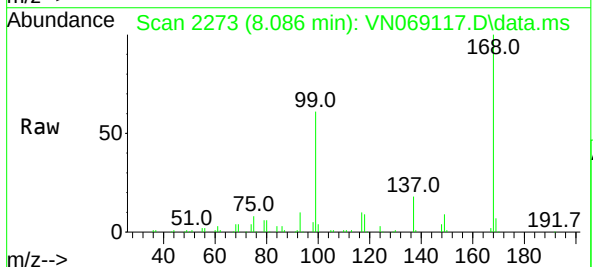
Instrument :
MSVOA_N
ClientSampled :

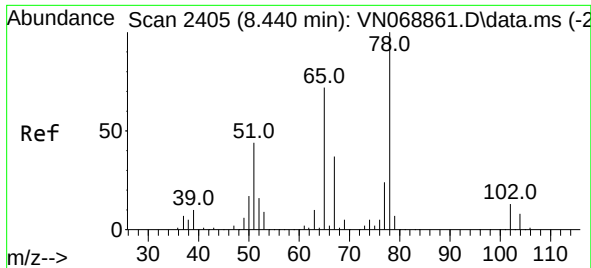
Tgt Ion: 43 Resp: 1425
Ion Ratio Lower Upper
43 100
72 26.0 21.2 31.8



#31
Cyclohexane
Concen: 1.115 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

Tgt Ion: 56 Resp: 7714
Ion Ratio Lower Upper
56 100
69 167.3 26.9 40.3#
84 125.8 67.6 101.4#

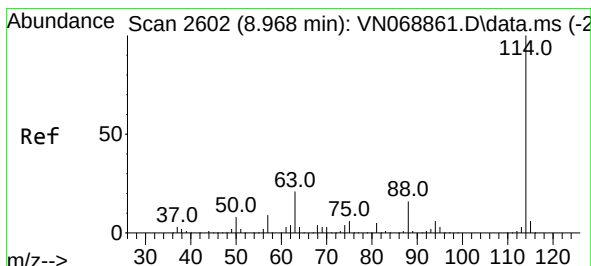
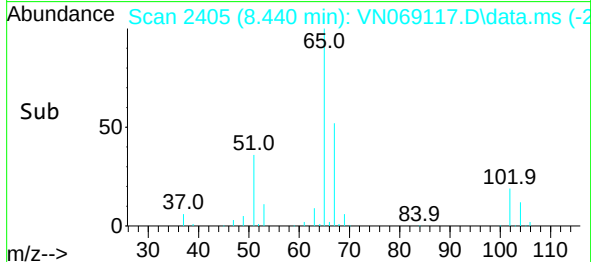
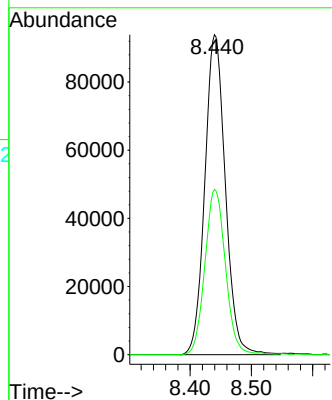
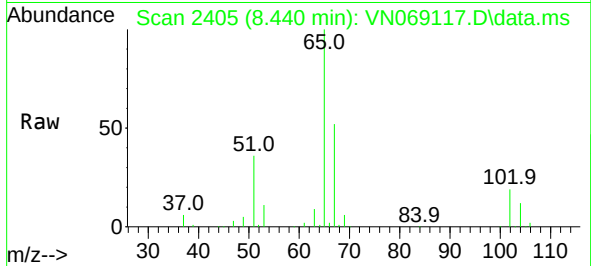




#33
1,2-Dichloroethane-d4
Concen: 49.158 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

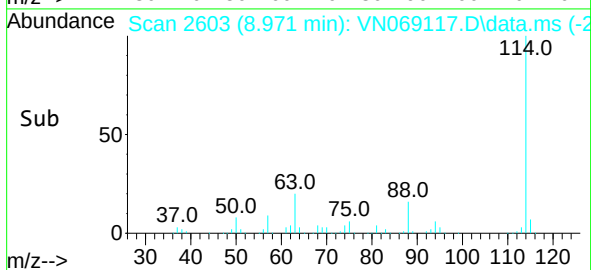
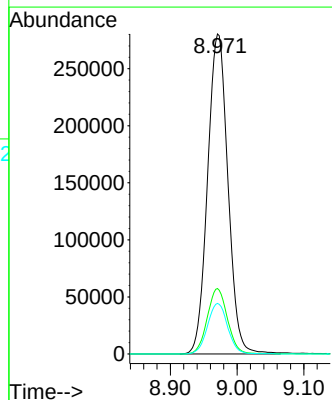
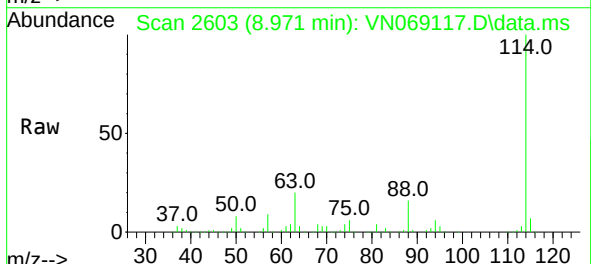
Instrument :
MSVOA_N
ClientSampled :

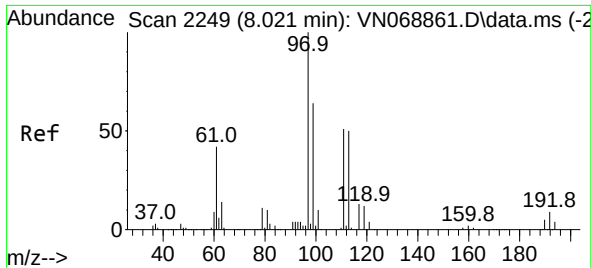
Tgt Ion: 65 Resp: 218737
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

Tgt Ion: 114 Resp: 593697
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 15.8 0.0 32.0

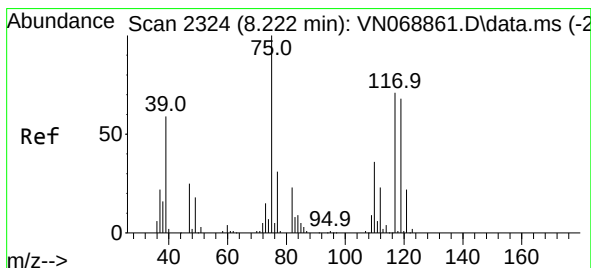
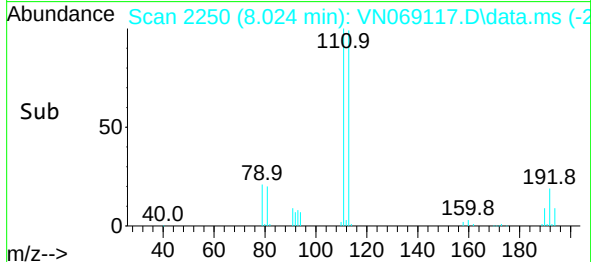
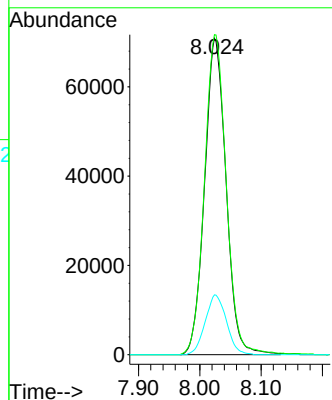
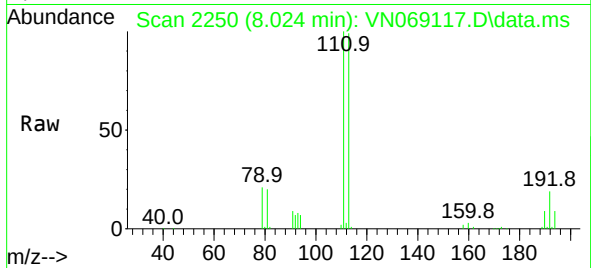




#35
Dibromofluoromethane
Concen: 50.003 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

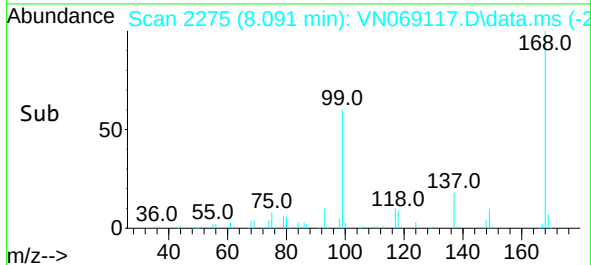
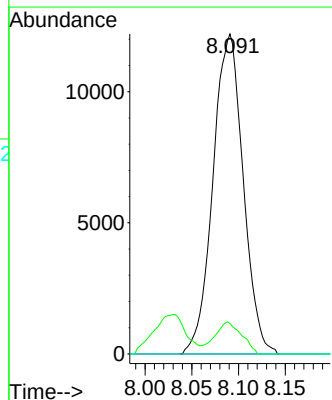
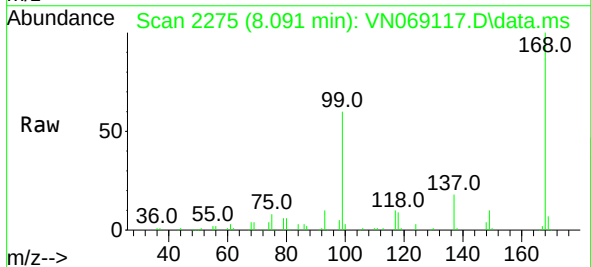
Instrument :
MSVOA_N
ClientSampled :

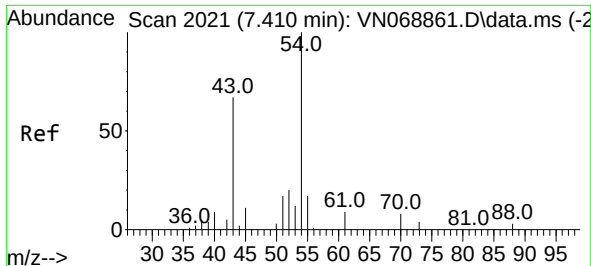
Tgt Ion:113 Resp: 172721
Ion Ratio Lower Upper
113 100
111 102.7 83.2 124.8
192 18.7 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.415 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.131 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

Tgt Ion: 75 Resp: 27460
Ion Ratio Lower Upper
75 100
110 8.9 17.9 53.8#
77 0.0 24.7 37.1#

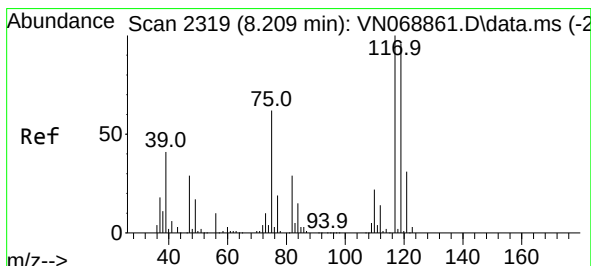
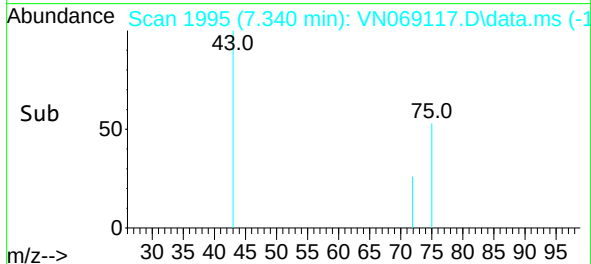
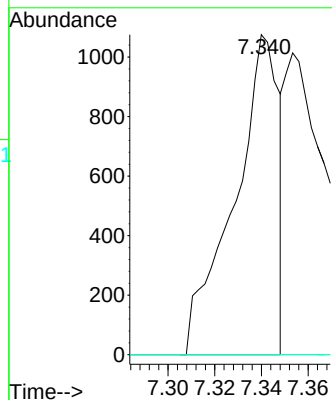
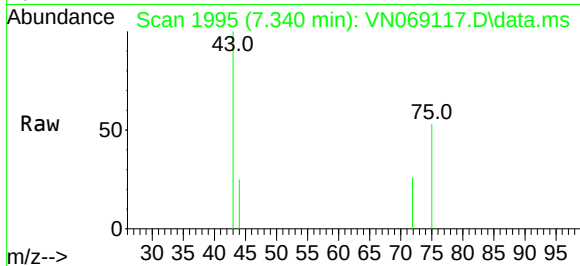




#37
Ethyl Acetate
Concen: 0.272 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. -0.070 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

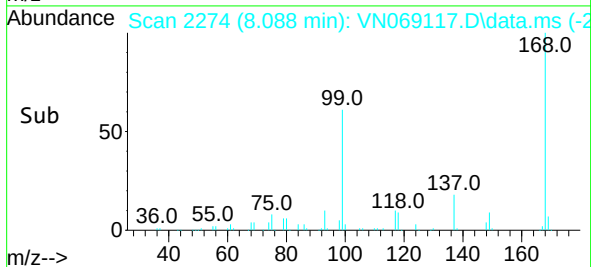
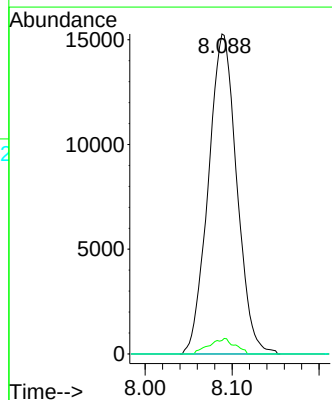
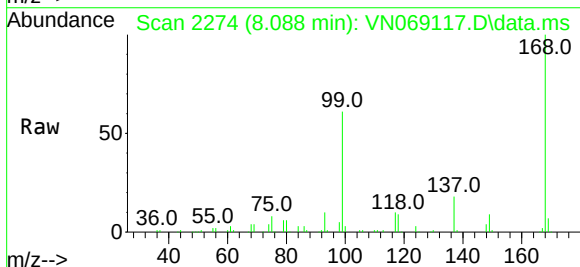
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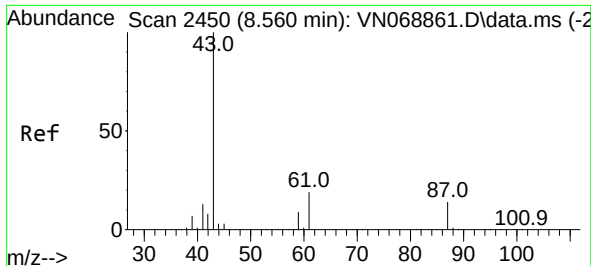
Tgt Ion:	43	Resp:	1425
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	8.4	12.6#



#38
Carbon Tetrachloride
Concen: 6.234 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

Tgt Ion:	117	Resp:	34721
Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.9	115.3#
121	0.0	24.6	37.0#

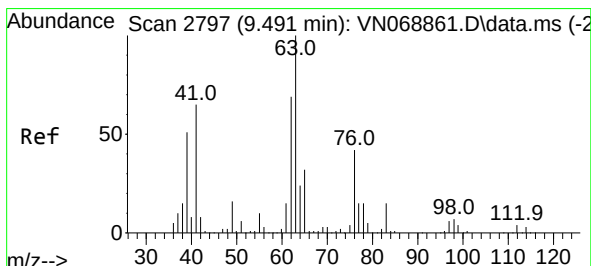
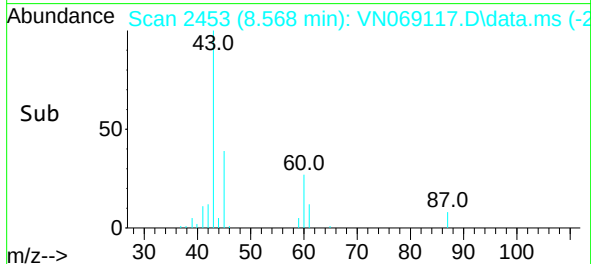
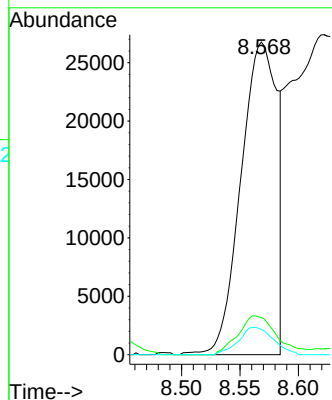
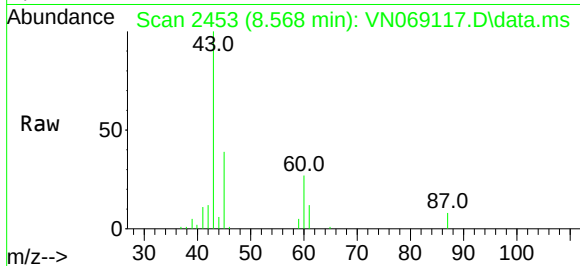




#43
Isopropyl Acetate
Concen: 6.255 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.008 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

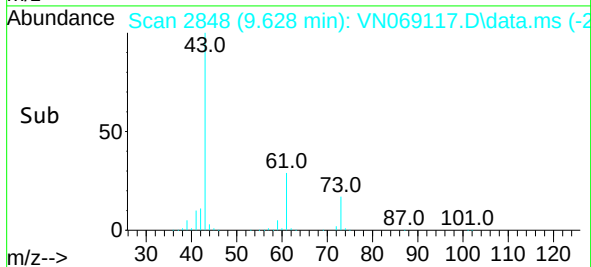
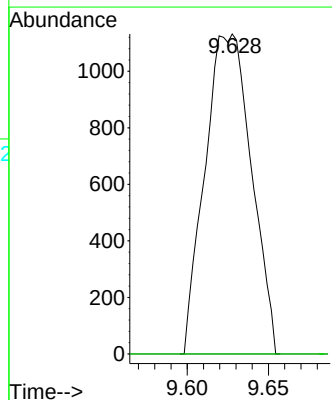
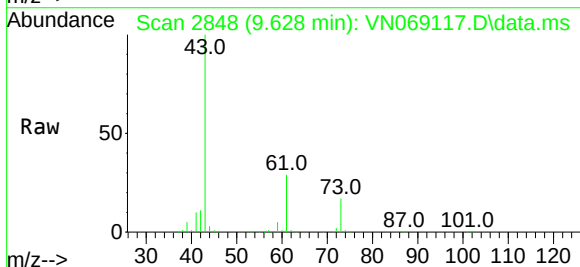
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ClientSampleId :

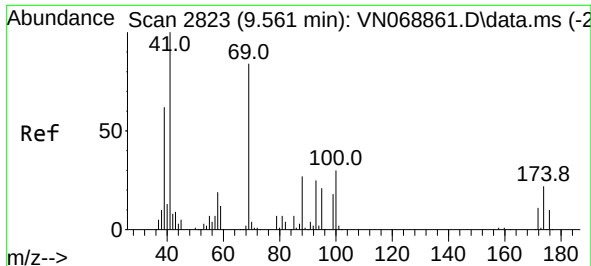
Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.3	20.4	30.6#
87	8.4	10.7	16.1#



#45
1,2-Dichloropropane
Concen: 0.562 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.6	38.4#

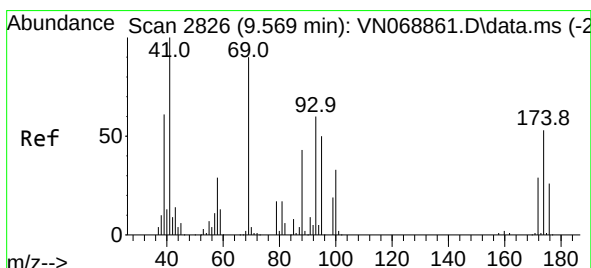
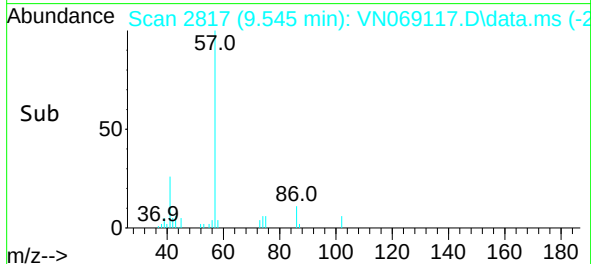
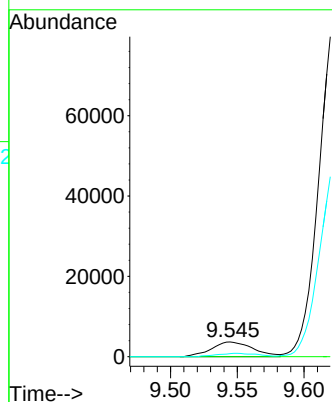
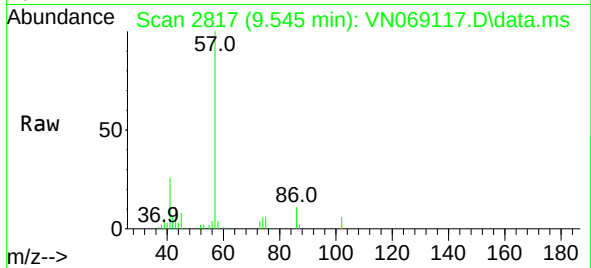




#48
Methyl methacrylate
Concen: 1.839 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

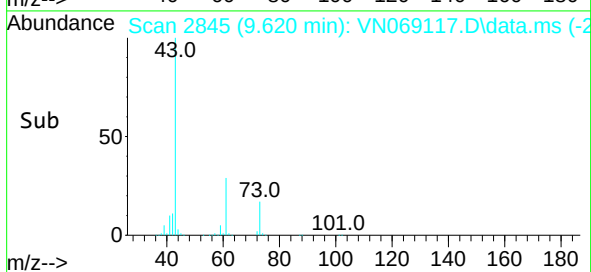
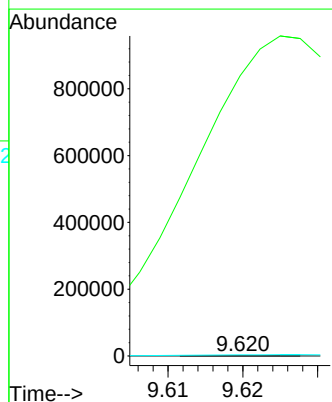
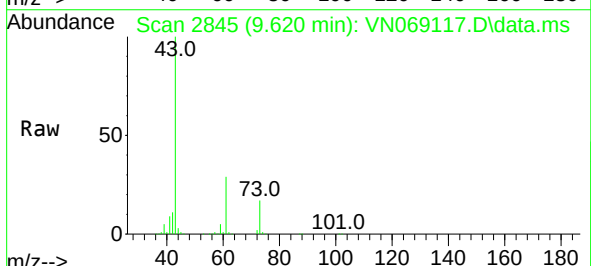
Instrument :
MSVOA_N
ClientSampled :

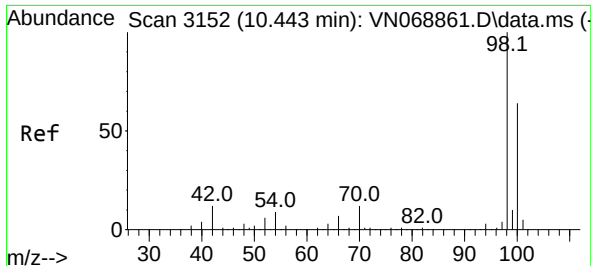
Tgt Ion: 41 Resp: 7985
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 36.260 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.051 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 3298663.6 24.9 37.3#
58 12561.8 56.9 85.3#

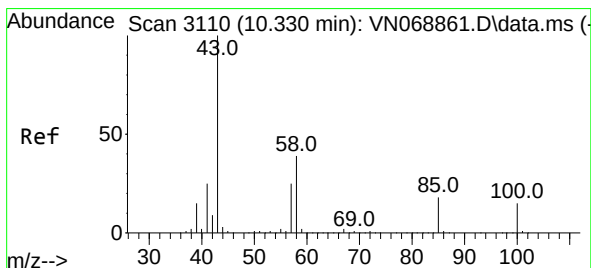
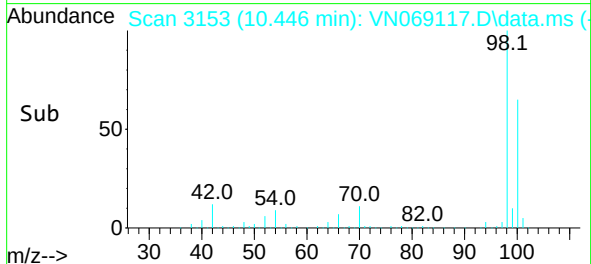
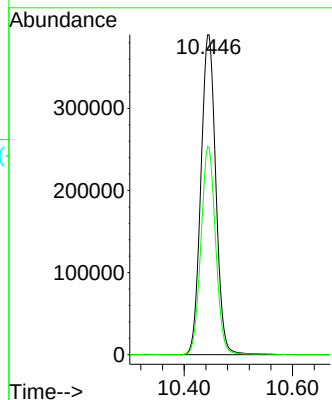
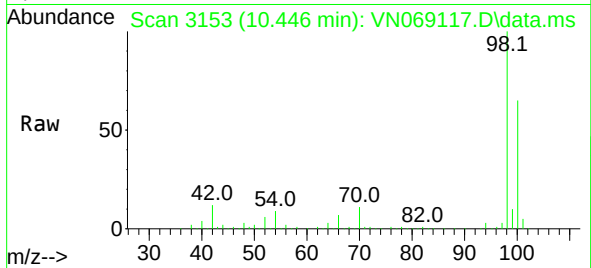




#50
Toluene-d8
Concen: 53.864 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

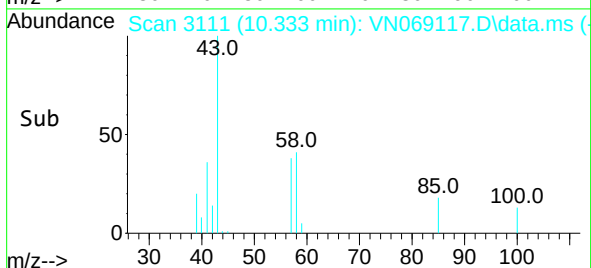
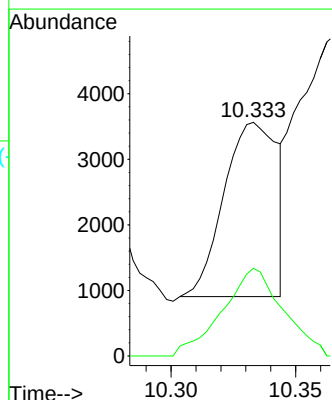
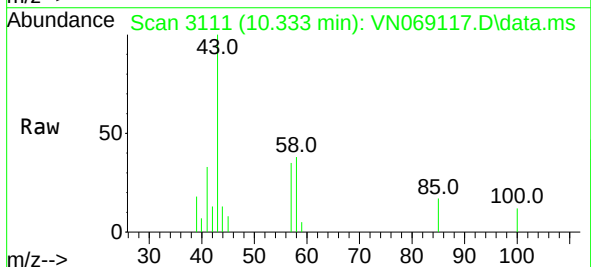
Instrument :
MSVOA_N
ClientSampled :

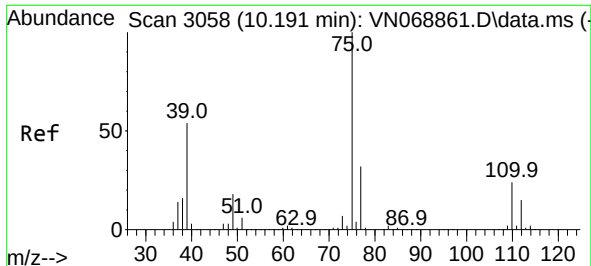
Tgt Ion: 98 Resp: 744446
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.736 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

Tgt Ion: 43 Resp: 3943
Ion Ratio Lower Upper
43 100
58 57.2 31.0 46.4#

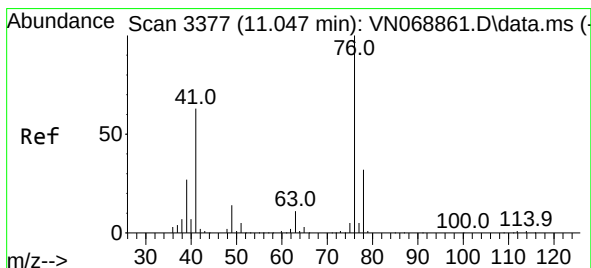
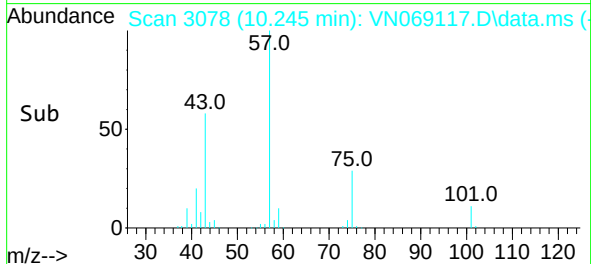
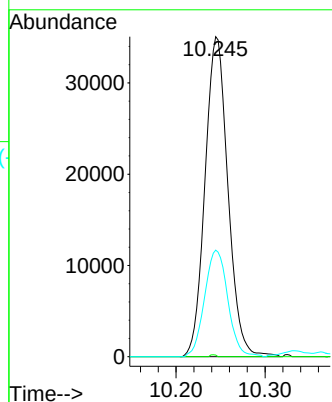
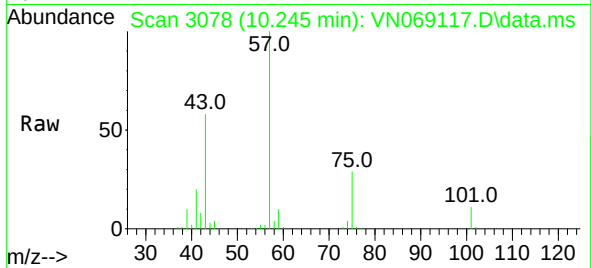




#54
 cis-1,3-Dichloropropene
 Concen: 9.371 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN069117.D
 Acq: 22 Oct 2021 4:12

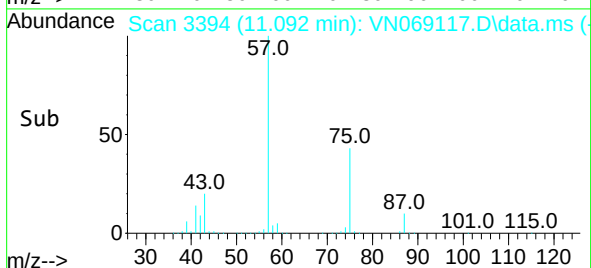
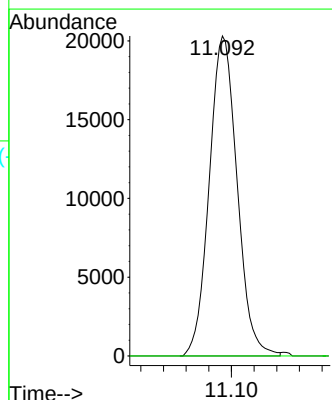
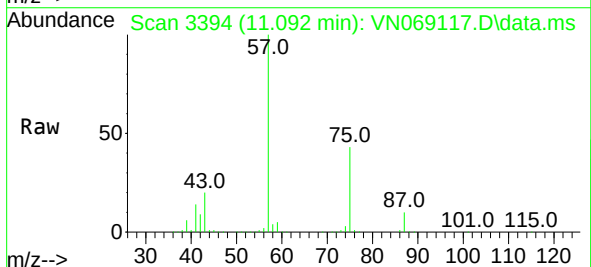
Instrument :
 MSVOA_N
 ClientSampled :

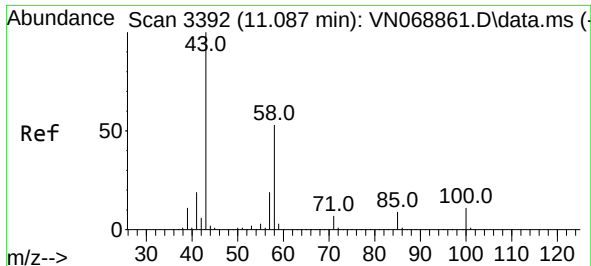
Tgt Ion: 75 Resp: 62596
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.6 38.4#
 39 33.3 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 5.365 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN069117.D
 Acq: 22 Oct 2021 4:12

Tgt Ion: 76 Resp: 34651
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

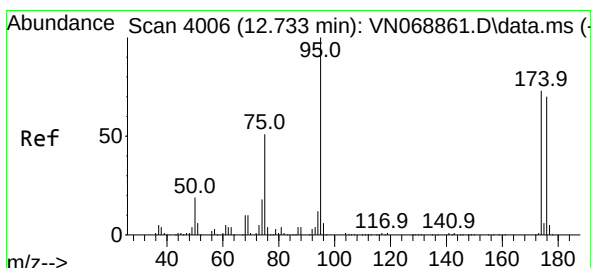
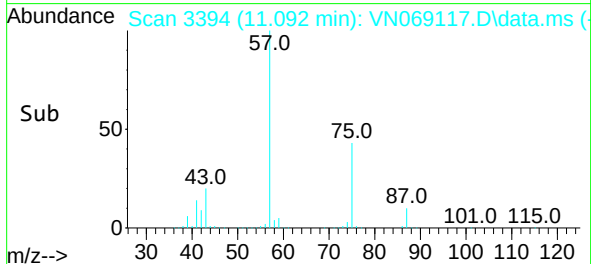
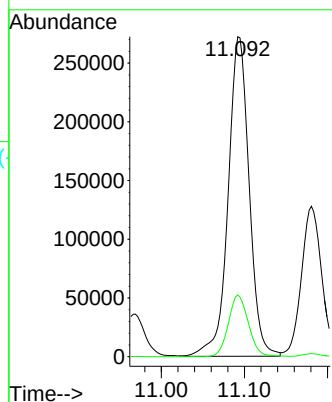
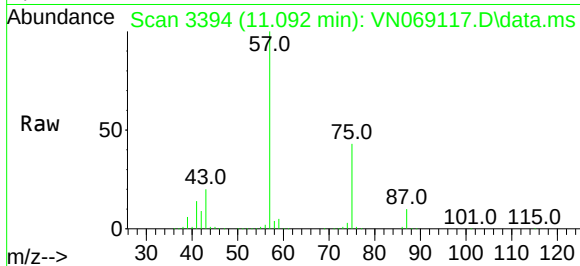




#59
2-Hexanone
Concen: 124.543 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

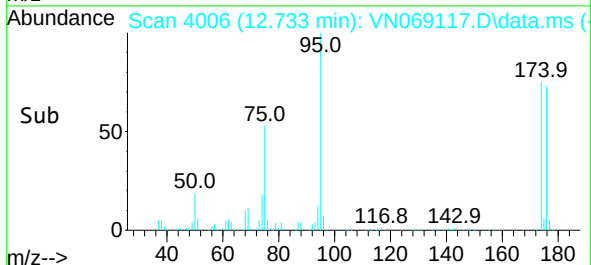
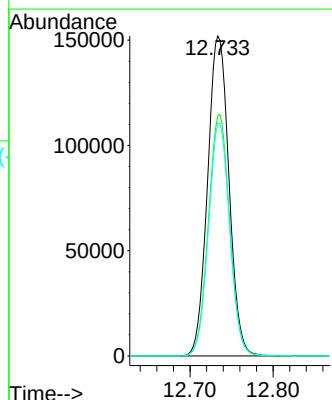
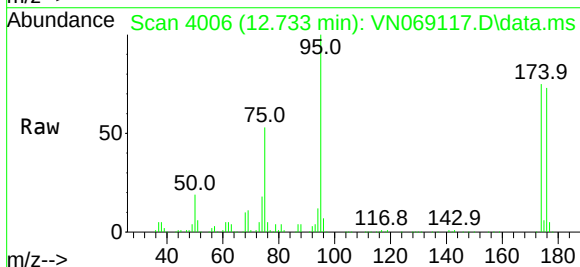
Instrument :
MSVOA_N
ClientSampleId :

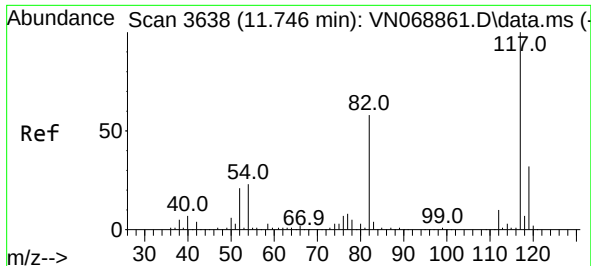
Tgt Ion: 43 Resp: 478564
Ion Ratio Lower Upper
43 100
58 18.5 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 52.040 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

Tgt Ion: 95 Resp: 271358
Ion Ratio Lower Upper
95 100
174 75.0 0.0 144.8
176 72.4 0.0 140.0

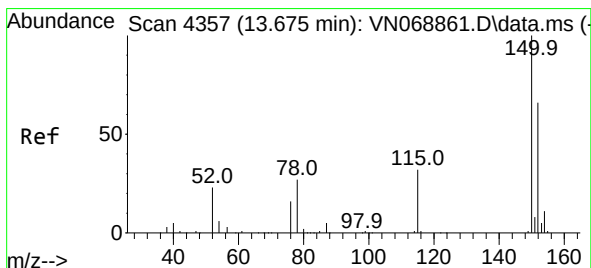
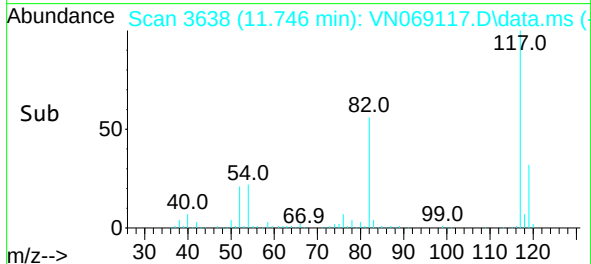
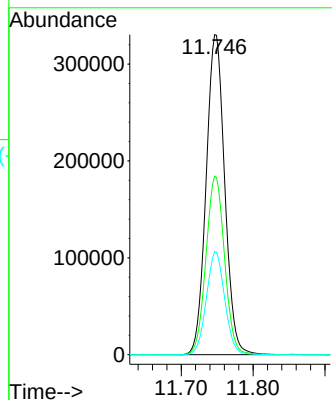
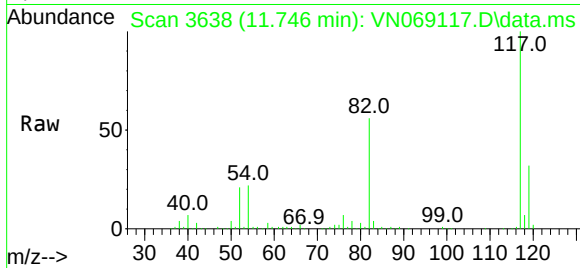




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

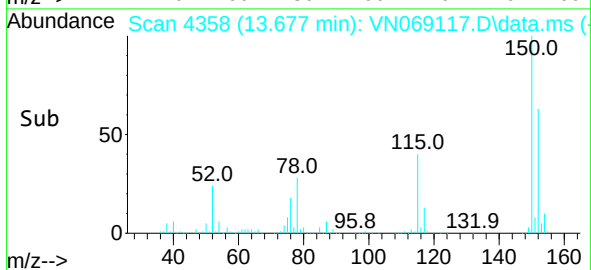
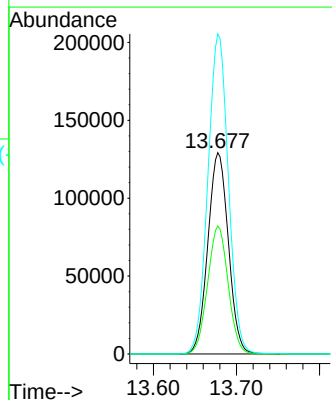
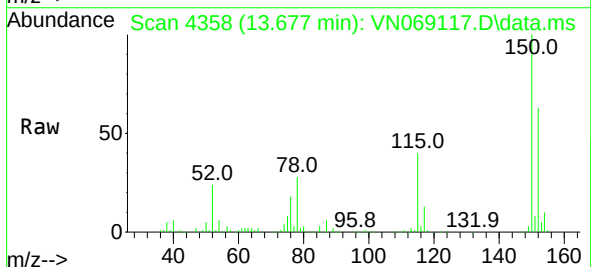
Instrument :
MSVOA_N
ClientSampleId :

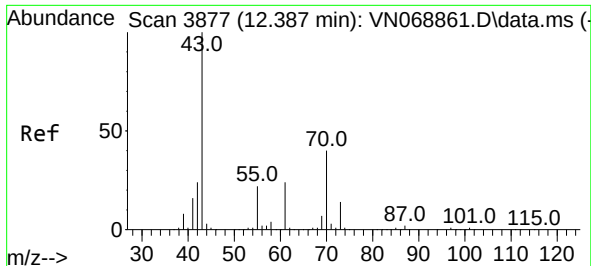
Tgt Ion:117 Resp: 594595
Ion Ratio Lower Upper
117 100
82 55.8 46.4 69.6
119 32.2 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

Tgt Ion:152 Resp: 221619
Ion Ratio Lower Upper
152 100
115 63.6 31.4 94.3
150 158.7 0.0 351.0

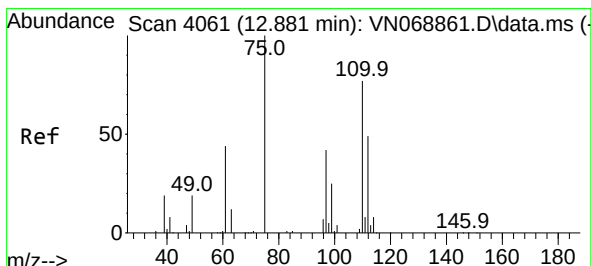
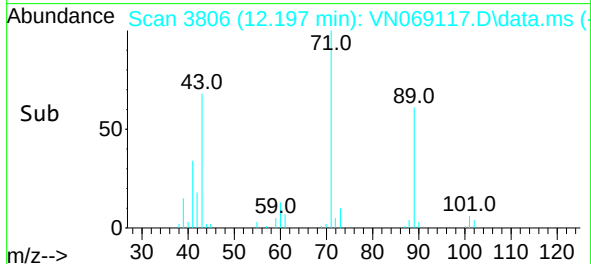
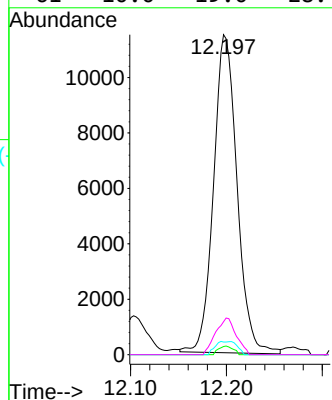
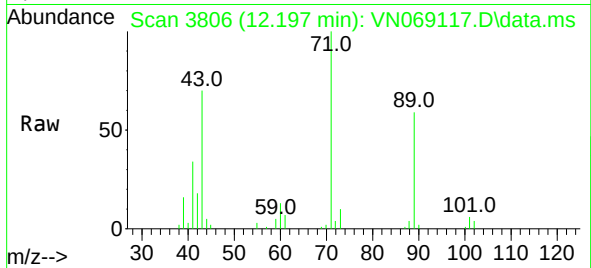




#74
N-amy1 acetate
Concen: 2.794 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

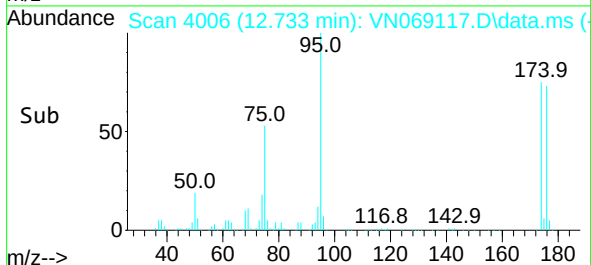
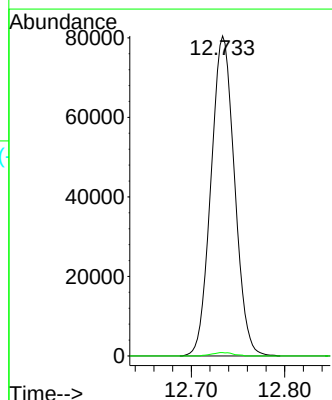
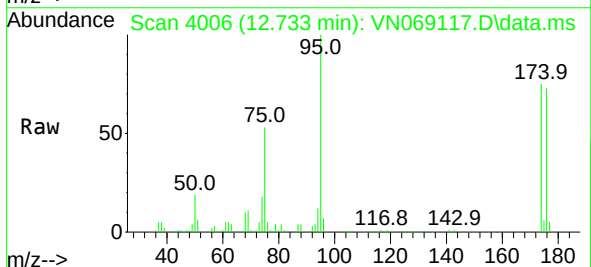
Instrument :
MSVOA_N
ClientSampled :

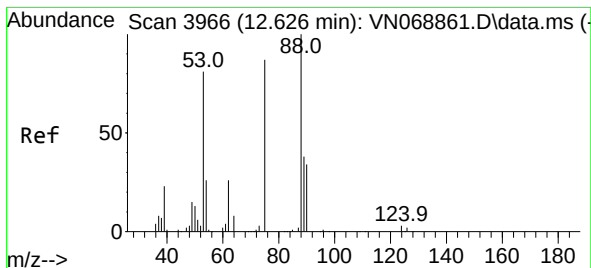
Tgt Ion:	43	Resp:	19523
Ion	Ratio	Lower	Upper
43	100		
70	1.7	32.2	48.2#
55	2.1	18.0	27.0#
61	10.0	19.0	28.4#



#76
1,2,3-Trichloropropane
Concen: 29.917 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

Tgt Ion:	75	Resp:	141072
Ion	Ratio	Lower	Upper
75	100		
77	1.0	96.2	288.4#

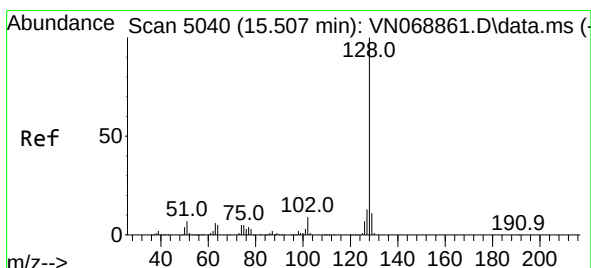
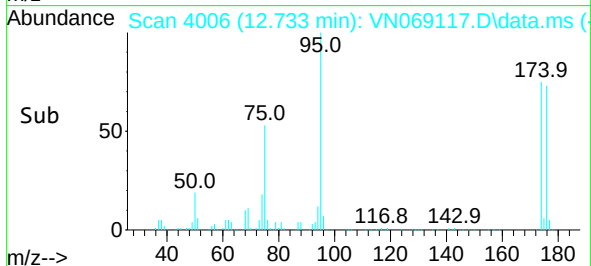
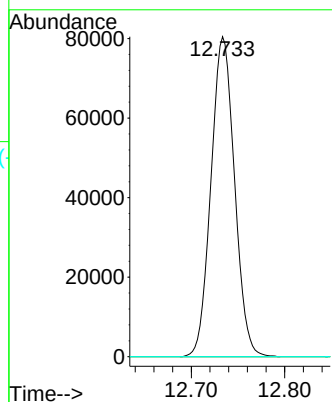
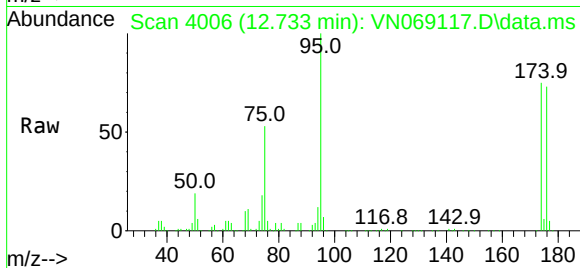




#81
trans-1,4-Dichloro-2-butene
Concen: 71.575 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 141072
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.854 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069117.D
Acq: 22 Oct 2021 4:12

Tgt Ion:128 Resp: 467
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

