

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101921\
 Data File : VN069036.D
 Acq On : 19 Oct 2021 19:29
 Operator : JC/MD
 Sample : M4244-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 05:50:16 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)

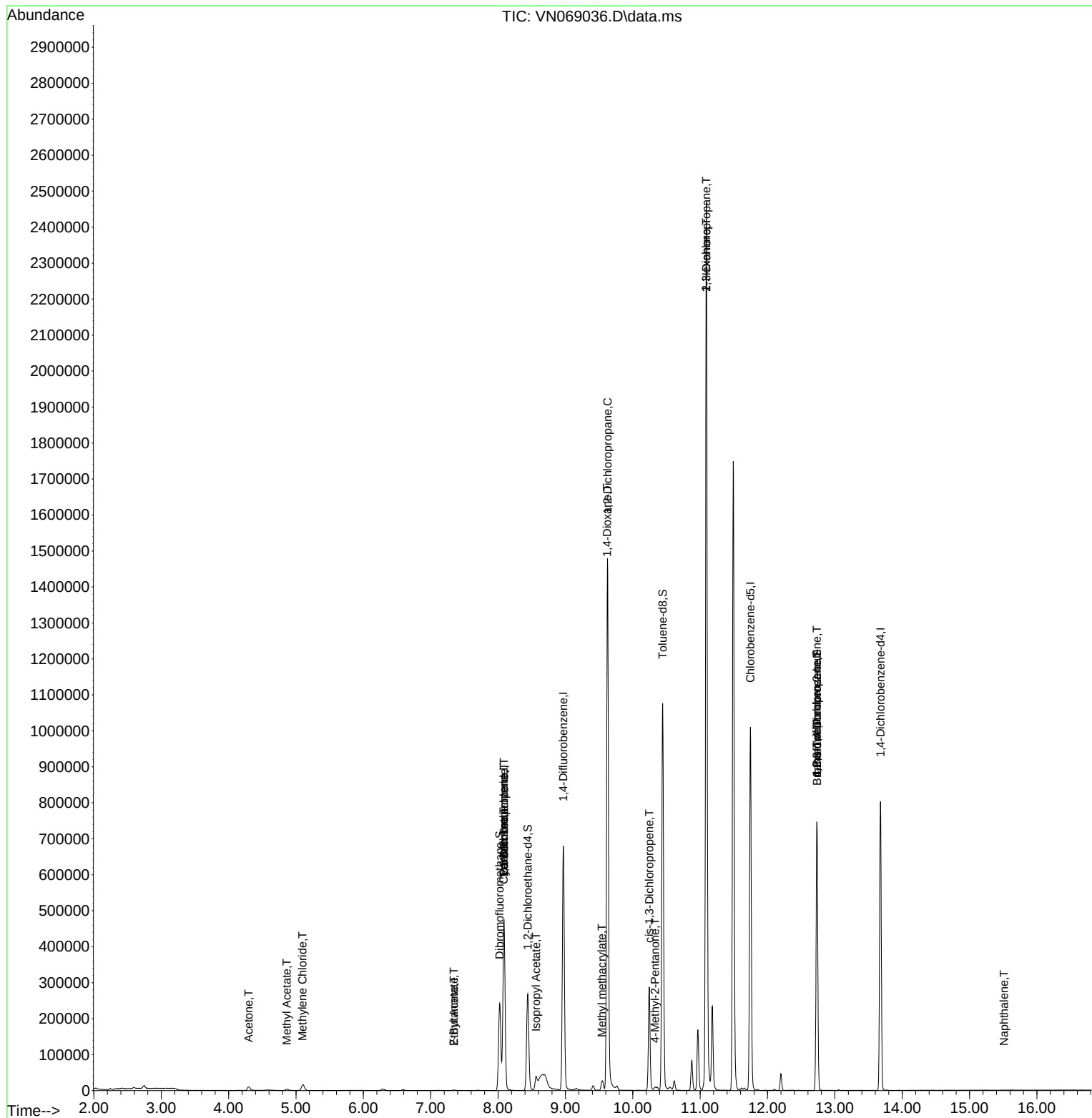
Internal Standards						
1) Pentafluorobenzene	8.088	168	351265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	617266	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	591497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	216336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	228390	49.314	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	98.620%	
35) Dibromofluoromethane	8.024	113	180941	50.383	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	100.760%	
50) Toluene-d8	10.443	98	776210	54.018	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	108.040%	
62) 4-Bromofluorobenzene	12.733	95	272221	50.212	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	100.420%	
Target Compounds						
					Qvalue	
16) Acetone	4.296	43	19667	11.379	ug/l	100
18) Methyl Acetate	4.865	43	8451	1.289	ug/l #	67
20) Methylene Chloride	5.095	84	6326	1.590	ug/l	91
25) 2-Butanone	7.343	43	3665	1.402	ug/l	92
31) Cyclohexane	8.083	56	8098	1.125	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	28953	5.491	ug/l #	49
37) Ethyl Acetate	7.343	43	3665	0.673	ug/l #	68
38) Carbon Tetrachloride	8.088	117	37504	6.477	ug/l #	15
43) Isopropyl Acetate	8.563	43	48384	5.036	ug/l #	80
45) 1,2-Dichloropropane	9.625	63	1729	0.415	ug/l #	43
48) Methyl methacrylate	9.542	41	8042	1.781	ug/l #	13
49) 1,4-Dioxane	9.620	88	83	36.543	ug/l #	1
51) 4-Methyl-2-Pentanone	10.328	43	5115	0.918	ug/l	92
54) cis-1,3-Dichloropropene	10.245	75	54836	7.895	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	26786	3.989	ug/l #	42
59) 2-Hexanone	11.092	43	386869	96.836	ug/l #	50
71) Bromoform	12.736	173	940	0.268	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	141543	30.750	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	141543	73.568	ug/l #	12
95) Naphthalene	15.509	128	288	3.838	ug/l #	69

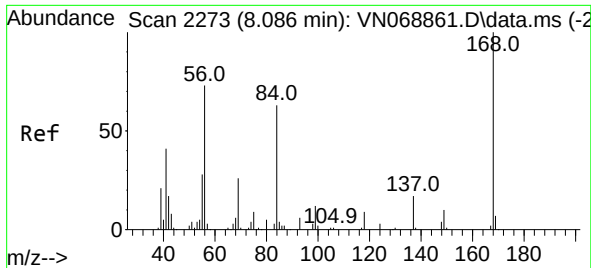
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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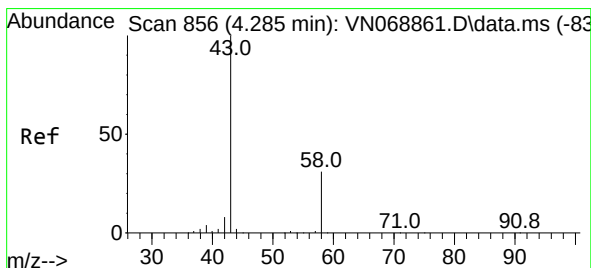
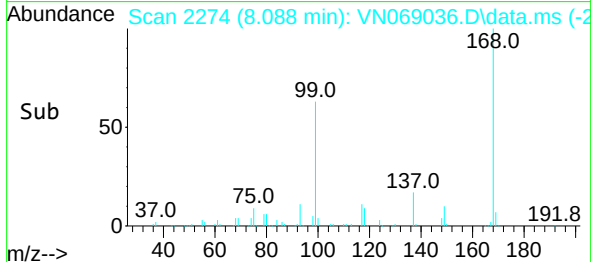
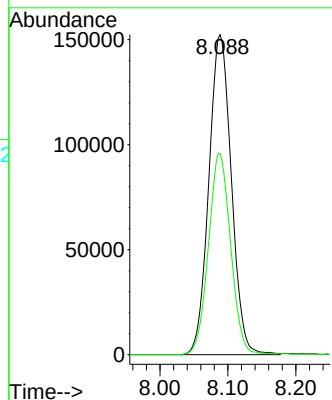
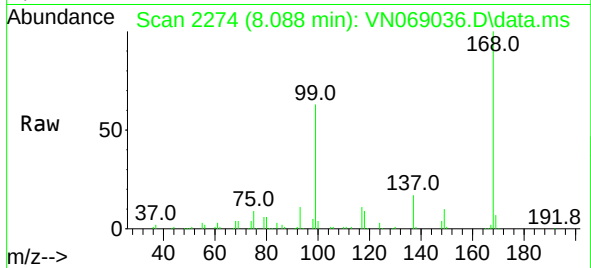




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069036.D
Acq: 19 Oct 2021 19:29

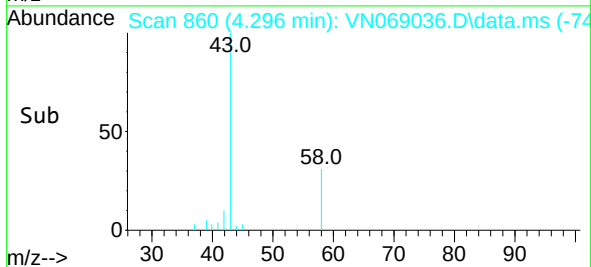
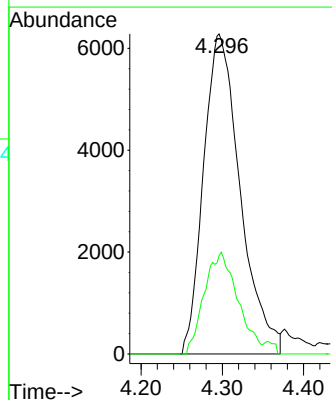
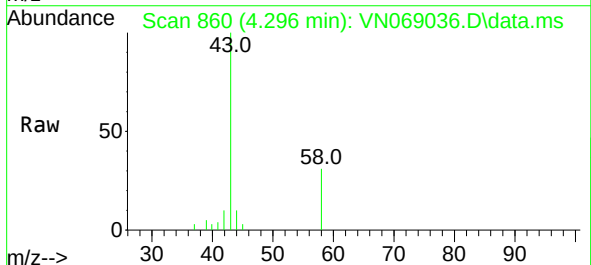
Instrument :
MSVOA_N
ClientSampled :

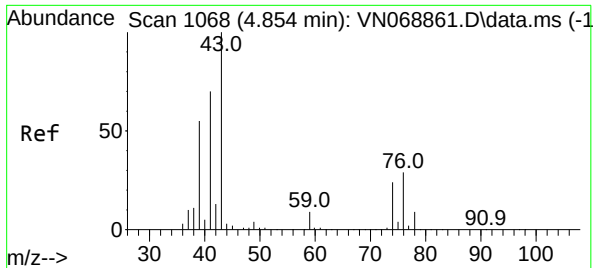
Tgt Ion:168 Resp: 351265
Ion Ratio Lower Upper
168 100
99 62.9 48.9 73.3



#16
Acetone
Concen: 11.379 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN069036.D
Acq: 19 Oct 2021 19:29

Tgt Ion: 43 Resp: 19667
Ion Ratio Lower Upper
43 100
58 30.7 24.5 36.7

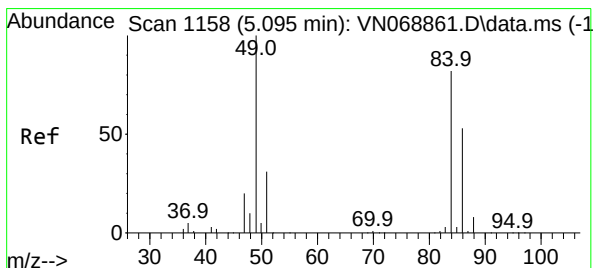
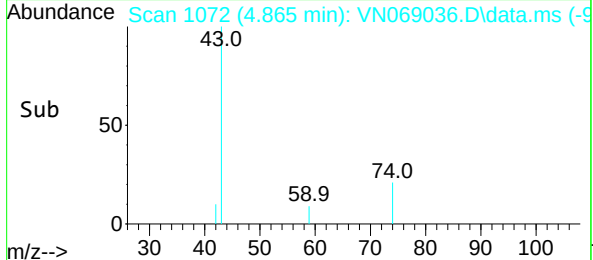
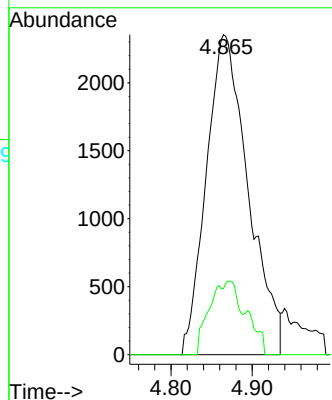
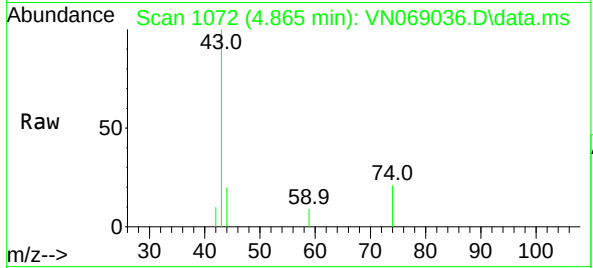




#18
Methyl Acetate
Concen: 1.289 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN069036.D
Acq: 19 Oct 2021 19:29

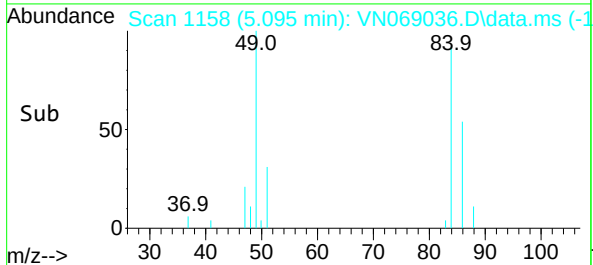
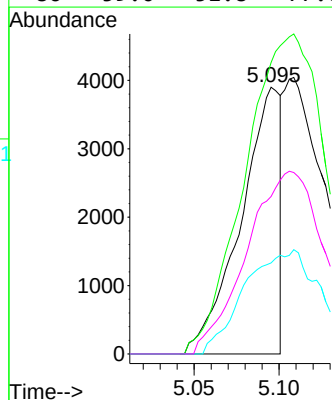
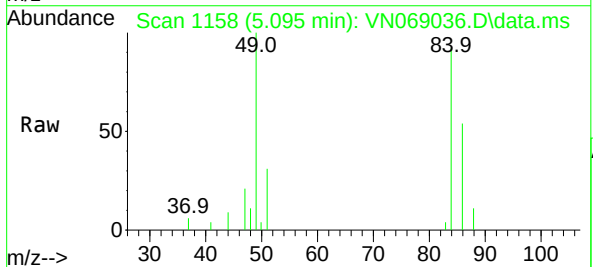
Instrument :
MSVOA_N
ClientSampled :

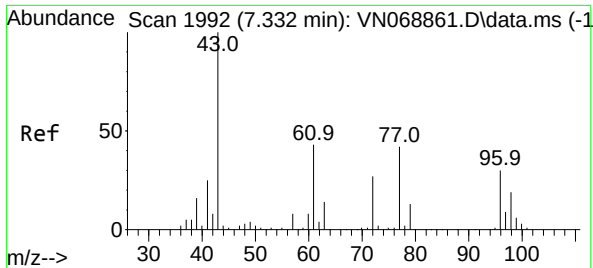
Tgt Ion: 43 Resp: 8451
Ion Ratio Lower Upper
43 100
74 7.5 18.9 28.3#



#20
Methylene Chloride
Concen: 1.590 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.000 min
Lab File: VN069036.D
Acq: 19 Oct 2021 19:29

Tgt Ion: 84 Resp: 6326
Ion Ratio Lower Upper
84 100
49 109.2 97.6 146.4
51 34.1 30.3 45.5
86 59.0 51.8 77.6

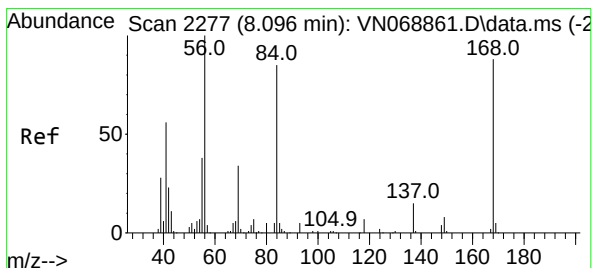
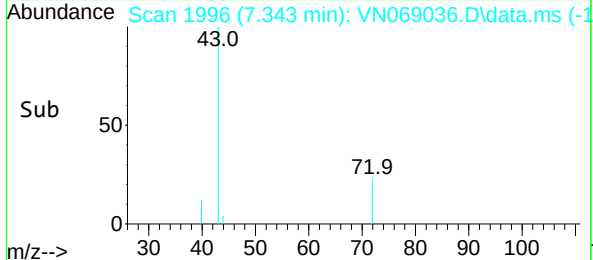
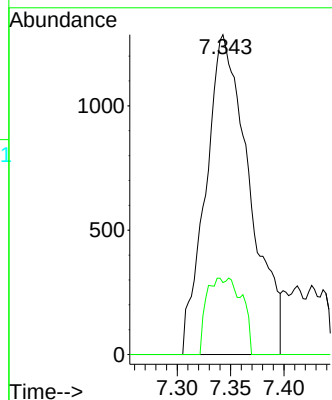
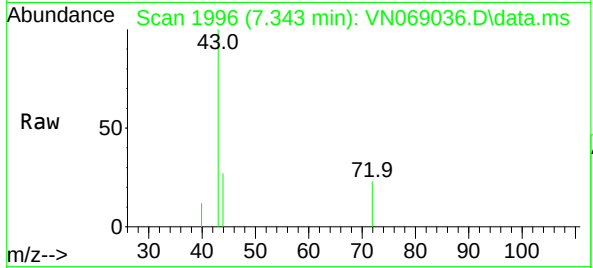




#25
2-Butanone
Concen: 1.402 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN069036.D
Acq: 19 Oct 2021 19:29

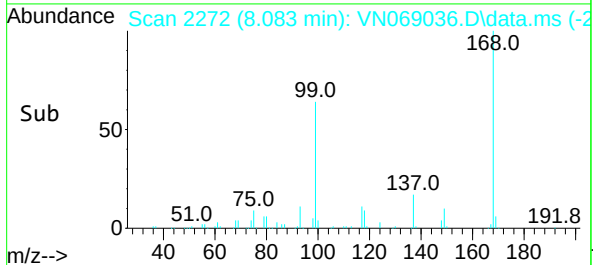
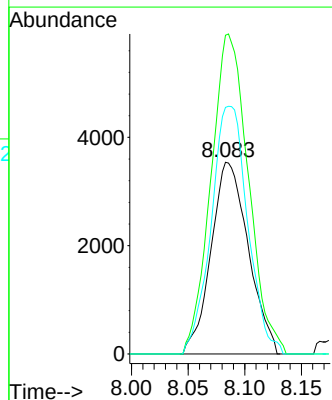
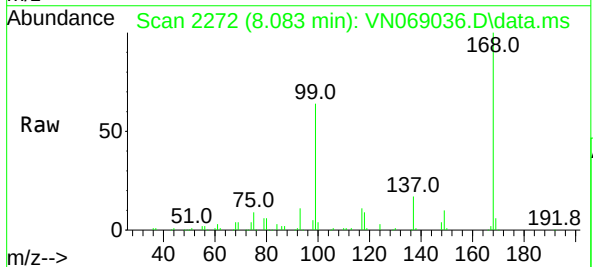
Instrument :
MSVOA_N
ClientSampled :

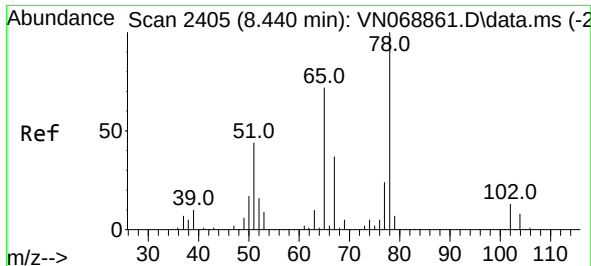
Tgt Ion: 43 Resp: 3665
Ion Ratio Lower Upper
43 100
72 22.6 21.2 31.8



#31
Cyclohexane
Concen: 1.125 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.013 min
Lab File: VN069036.D
Acq: 19 Oct 2021 19:29

Tgt Ion: 56 Resp: 8098
Ion Ratio Lower Upper
56 100
69 166.3 26.9 40.3#
84 128.7 67.6 101.4#



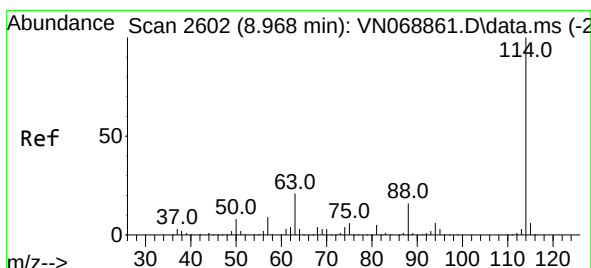
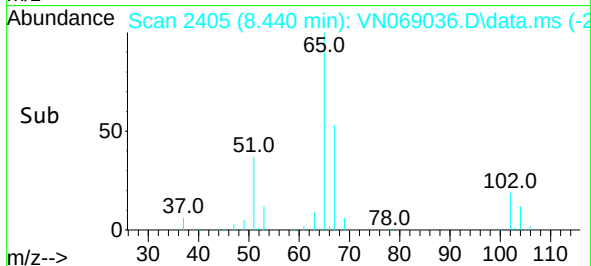
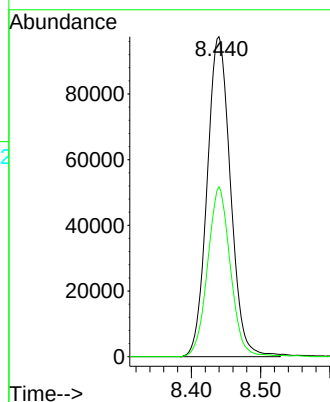
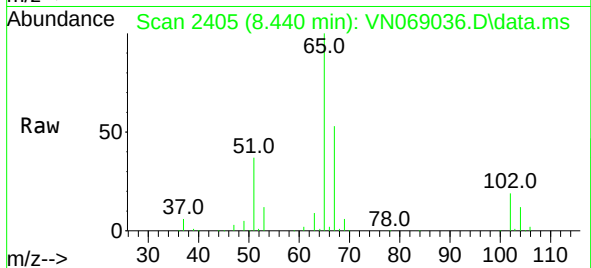


#33

1,2-Dichloroethane-d4
Concen: 49.314 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069036.D
Acq: 19 Oct 2021 19:29

Instrument :
MSVOA_N
ClientSampled :

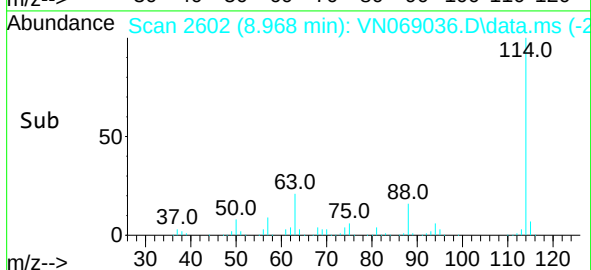
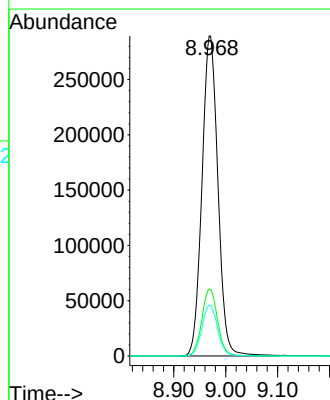
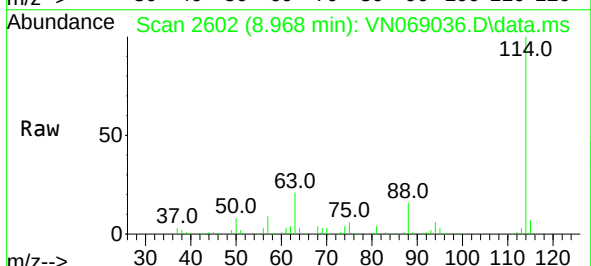
Tgt Ion: 65 Resp: 228390
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.8

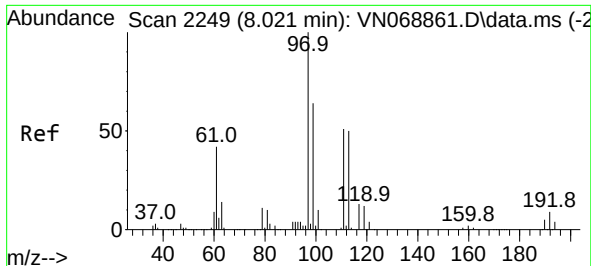


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069036.D
Acq: 19 Oct 2021 19:29

Tgt Ion: 114 Resp: 617266
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.6
88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.383 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN069036.D

Acq: 19 Oct 2021 19:29

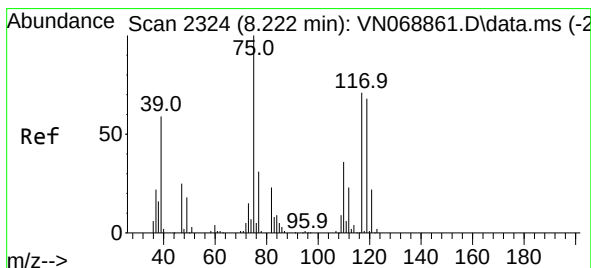
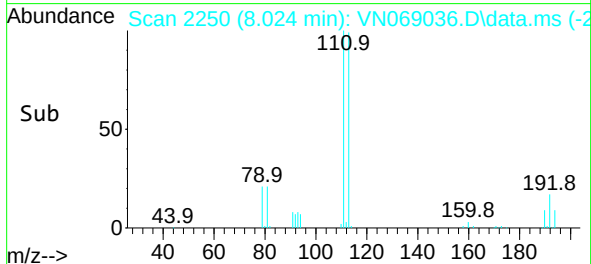
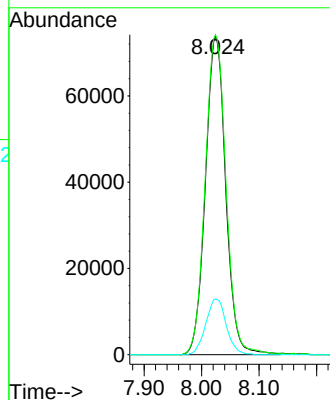
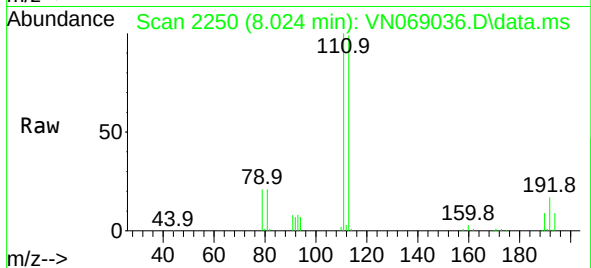
Tgt Ion:113 Resp: 180941

Ion Ratio Lower Upper

113 100

111 103.5 83.2 124.8

192 17.7 15.0 22.4



#36

1,1-Dichloropropene

Concen: 5.491 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.137 min

Lab File: VN069036.D

Acq: 19 Oct 2021 19:29

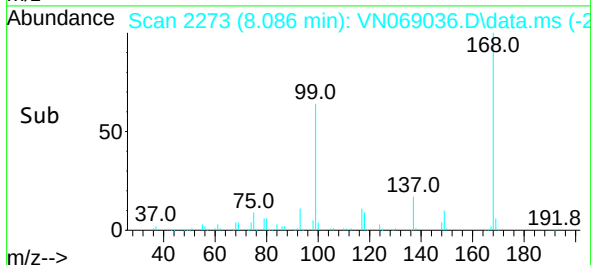
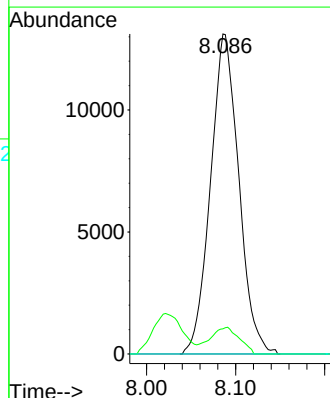
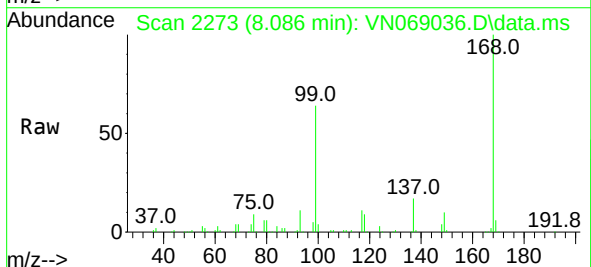
Tgt Ion: 75 Resp: 28953

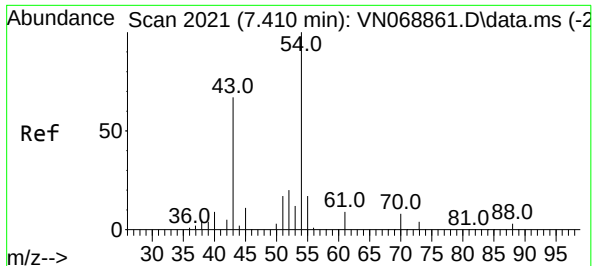
Ion Ratio Lower Upper

75 100

110 8.5 17.9 53.8#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.673 ug/l

RT: 7.343 min Scan# 1996

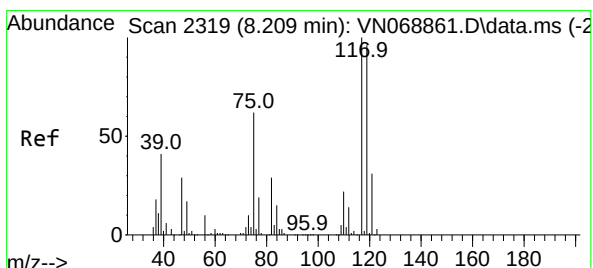
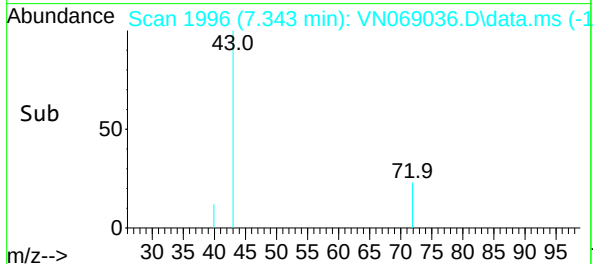
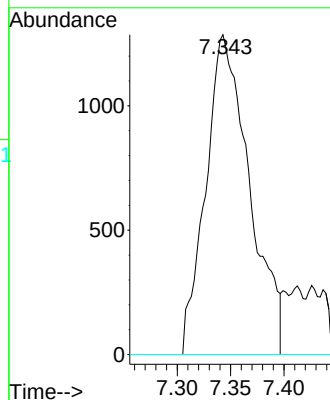
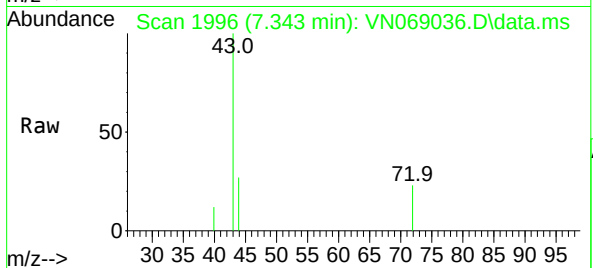
Delta R.T. -0.067 min

Lab File: VN069036.D

Acq: 19 Oct 2021 19:29

Tgt Ion: 43	Resp:	3665
Ion	Ratio	Lower Upper
43	100	
61	0.0	11.2 16.8#
70	0.0	8.4 12.6#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.477 ug/l

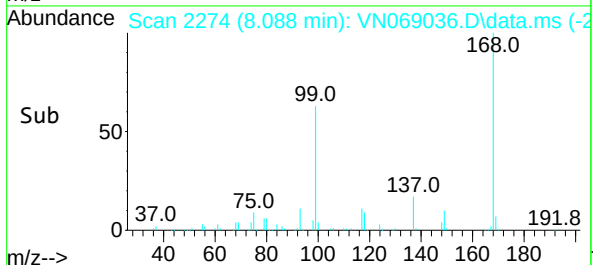
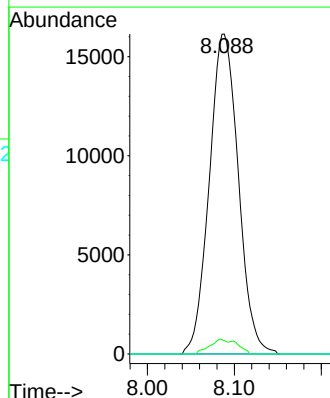
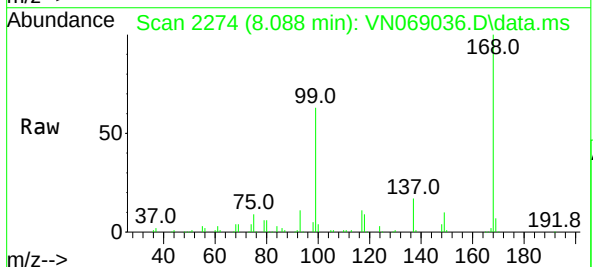
RT: 8.088 min Scan# 2274

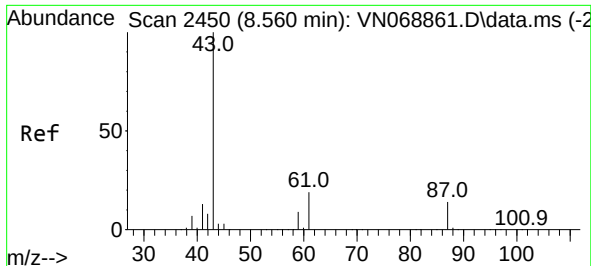
Delta R.T. -0.121 min

Lab File: VN069036.D

Acq: 19 Oct 2021 19:29

Tgt Ion: 117	Resp:	37504
Ion	Ratio	Lower Upper
117	100	
119	4.1	76.9 115.3#
121	0.0	24.6 37.0#

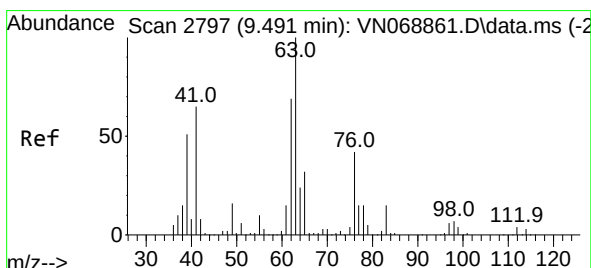
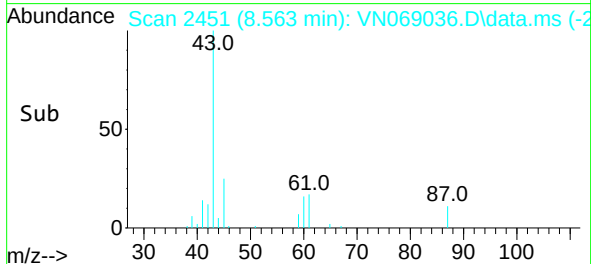
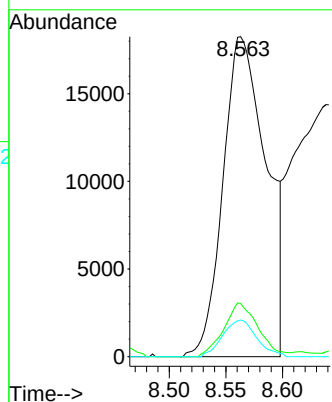
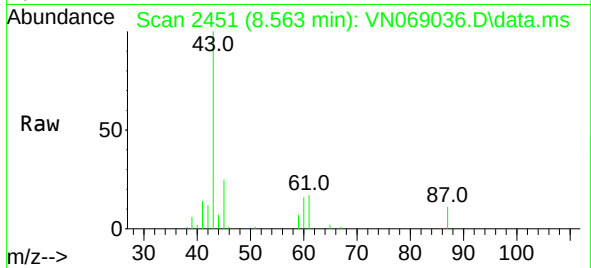




#43
Isopropyl Acetate
Concen: 5.036 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN069036.D
Acq: 19 Oct 2021 19:29

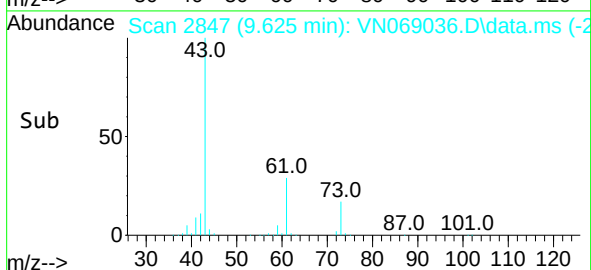
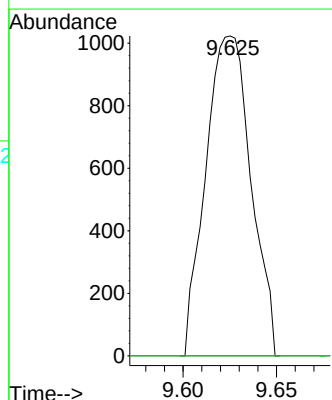
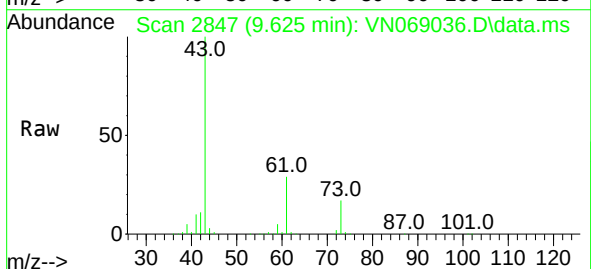
Instrument :
MSVOA_N
ClientSampled :

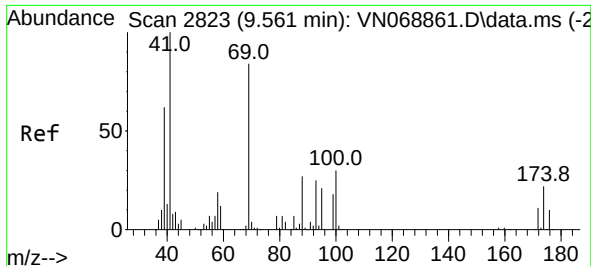
Tgt Ion: 43 Resp: 48384
Ion Ratio Lower Upper
43 100
61 13.3 20.4 30.6#
87 9.0 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.415 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN069036.D
Acq: 19 Oct 2021 19:29

Tgt Ion: 63 Resp: 1729
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

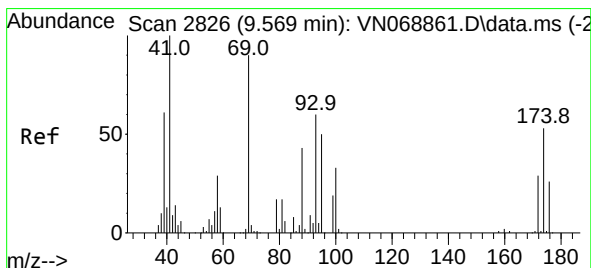
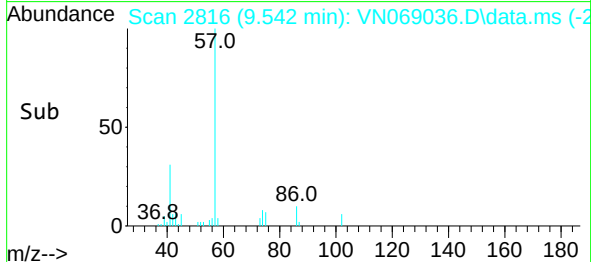
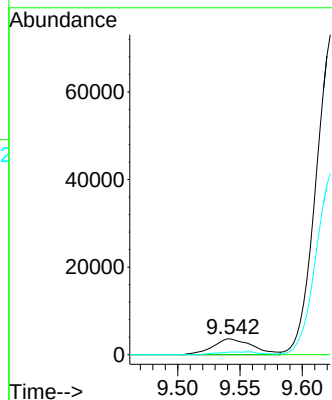
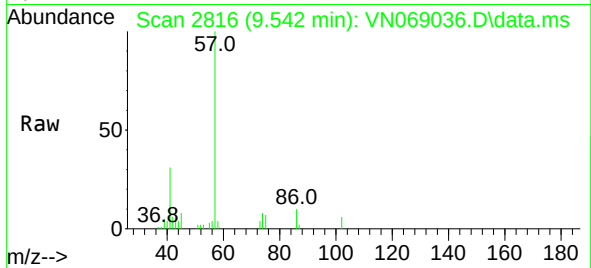




#48
Methyl methacrylate
Concen: 1.781 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.019 min
Lab File: VN069036.D
Acq: 19 Oct 2021 19:29

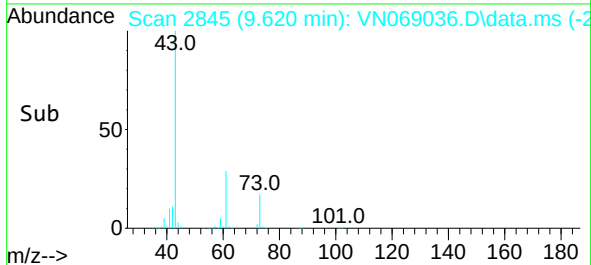
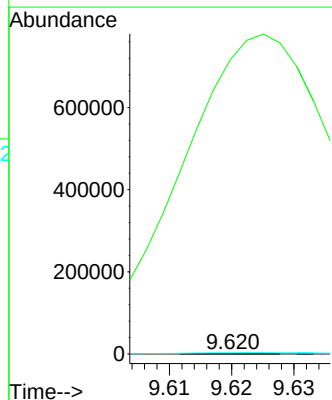
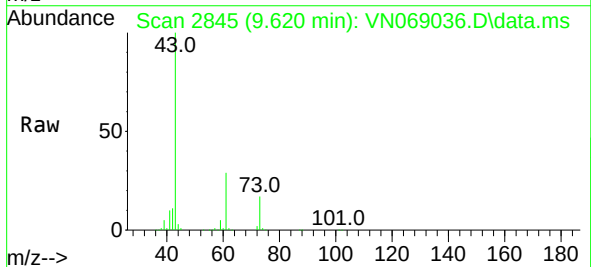
Instrument :
MSVOA_N
ClientSampleId :

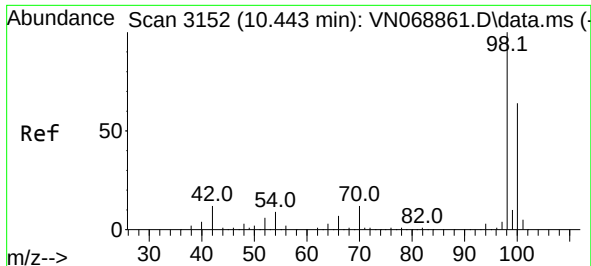
Tgt Ion: 41 Resp: 8042
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 36.543 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.051 min
Lab File: VN069036.D
Acq: 19 Oct 2021 19:29

Tgt Ion: 88 Resp: 83
Ion Ratio Lower Upper
88 100
43 1806318.1 24.9 37.3#
58 6949.4 56.9 85.3#

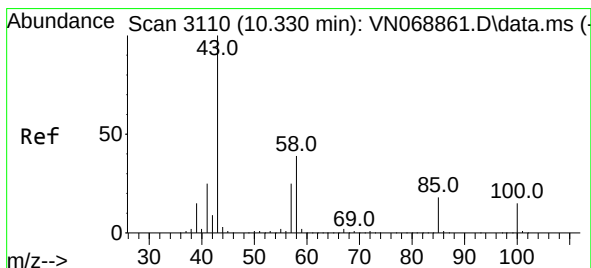
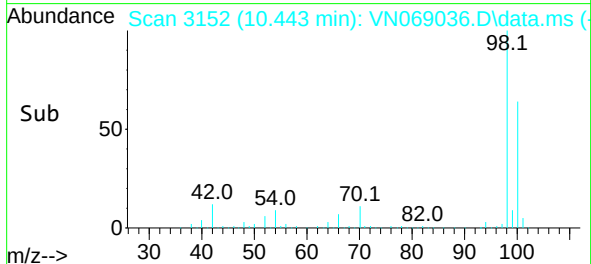
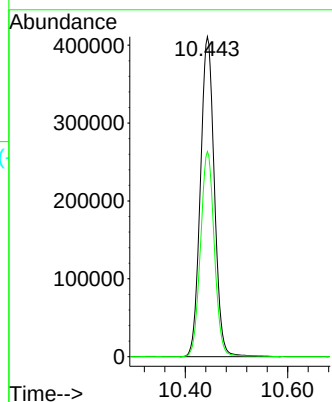
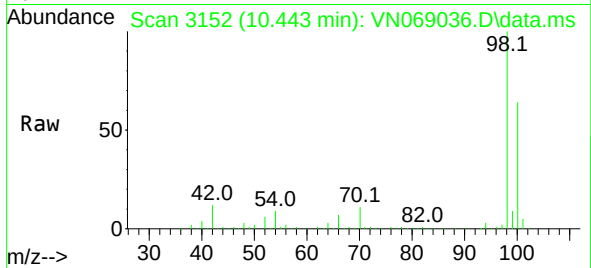




#50
Toluene-d8
Concen: 54.018 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069036.D
Acq: 19 Oct 2021 19:29

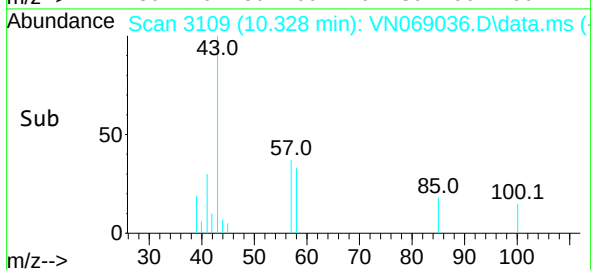
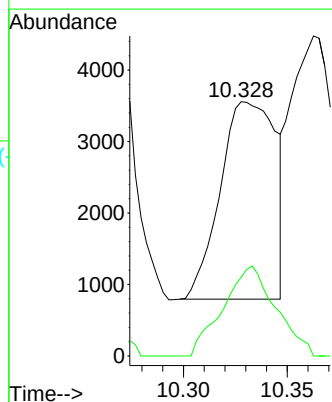
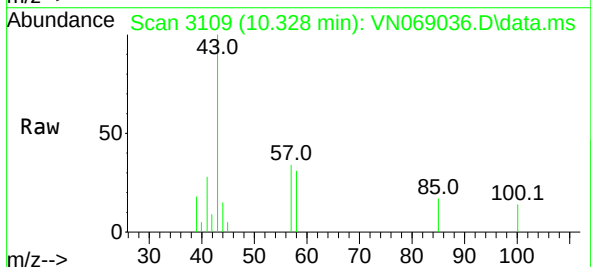
Instrument :
MSVOA_N
ClientSampled :

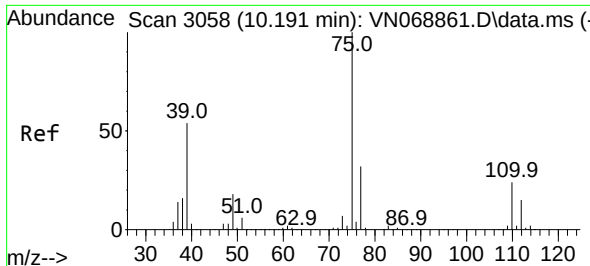
Tgt Ion: 98 Resp: 776210
Ion Ratio Lower Upper
98 100
100 63.6 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.918 ug/l
RT: 10.328 min Scan# 3109
Delta R.T. -0.003 min
Lab File: VN069036.D
Acq: 19 Oct 2021 19:29

Tgt Ion: 43 Resp: 5115
Ion Ratio Lower Upper
43 100
58 43.4 31.0 46.4

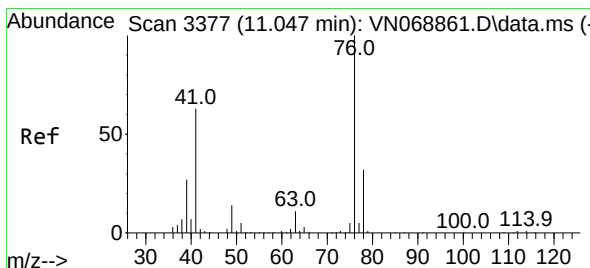
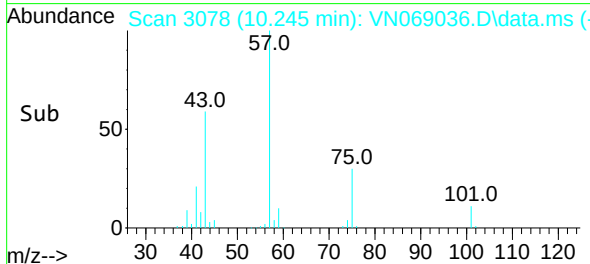
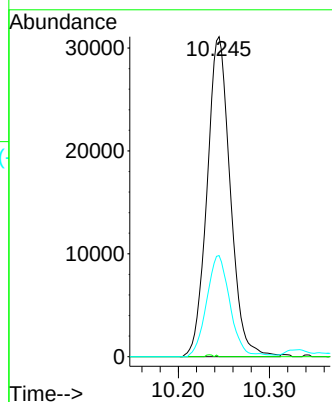
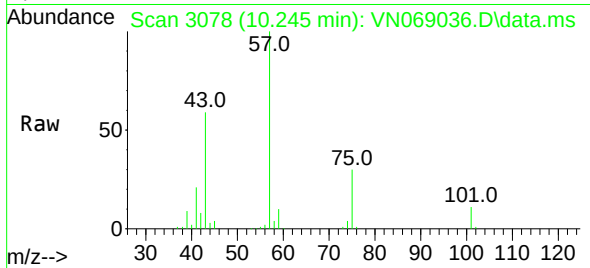




#54
 cis-1,3-Dichloropropene
 Concen: 7.895 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN069036.D
 Acq: 19 Oct 2021 19:29

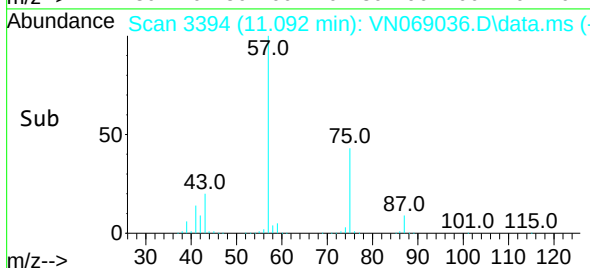
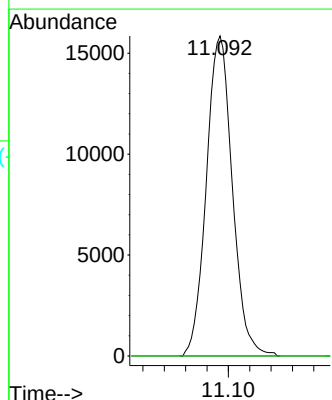
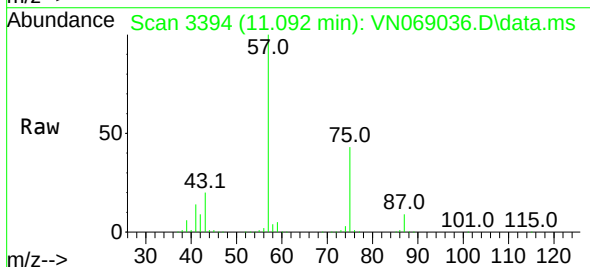
Instrument :
 MSVOA_N
 ClientSampled :

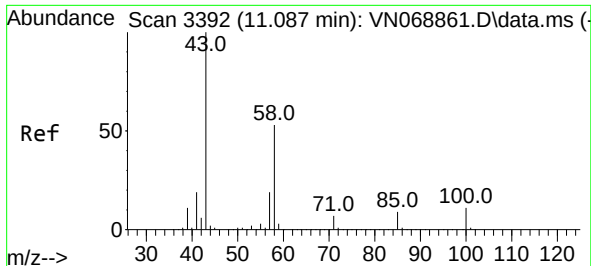
Tgt Ion: 75 Resp: 54836
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.6 38.4#
 39 31.6 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 3.989 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN069036.D
 Acq: 19 Oct 2021 19:29

Tgt Ion: 76 Resp: 26786
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

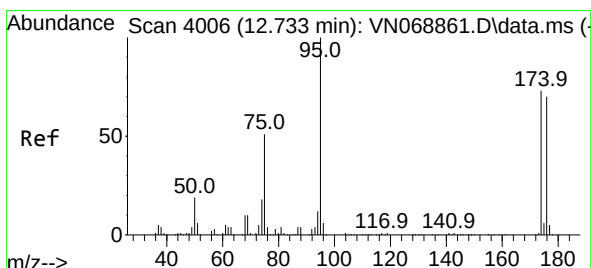
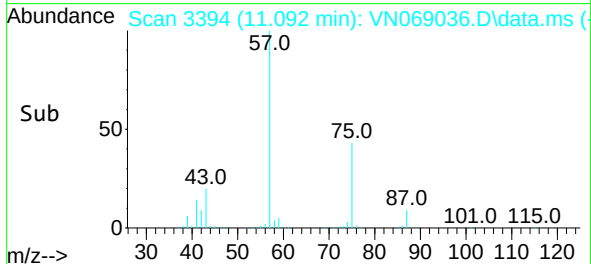
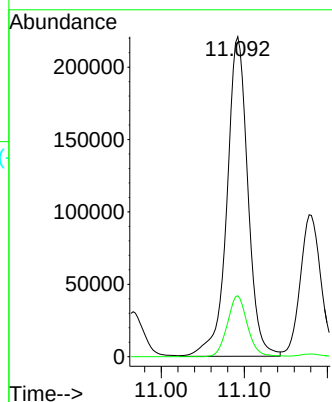
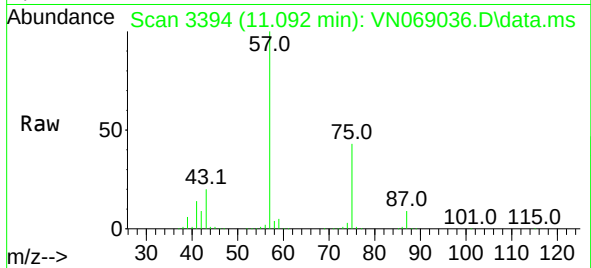




#59
2-Hexanone
Concen: 96.836 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069036.D
Acq: 19 Oct 2021 19:29

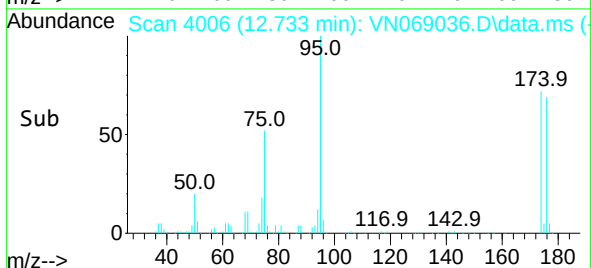
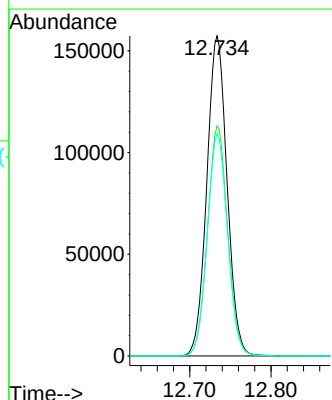
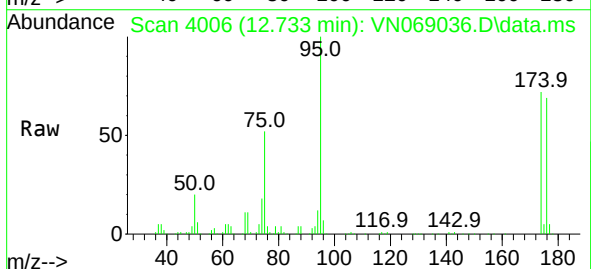
Instrument :
MSVOA_N
ClientSampled :

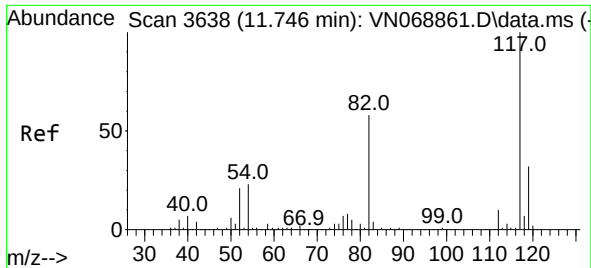
Tgt Ion: 43 Resp: 386869
Ion Ratio Lower Upper
43 100
58 18.4 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 50.212 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069036.D
Acq: 19 Oct 2021 19:29

Tgt Ion: 95 Resp: 272221
Ion Ratio Lower Upper
95 100
174 71.6 0.0 144.8
176 69.5 0.0 140.0

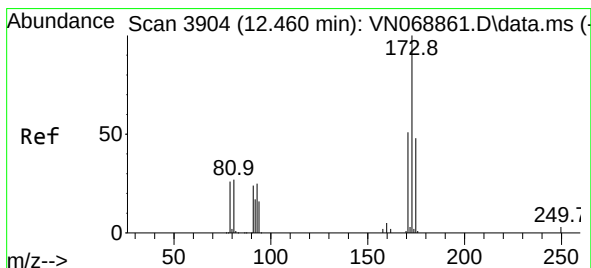
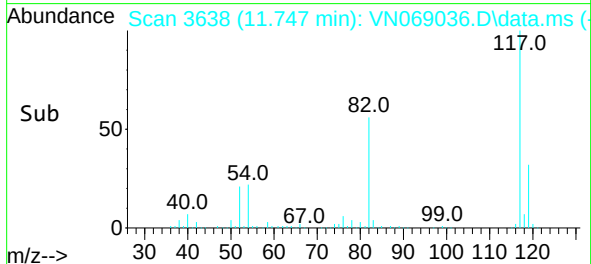
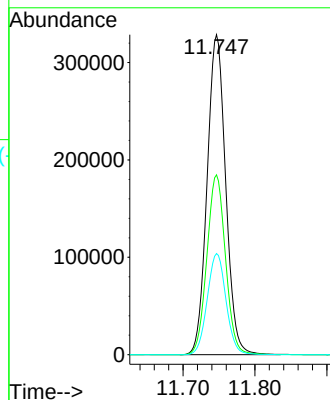
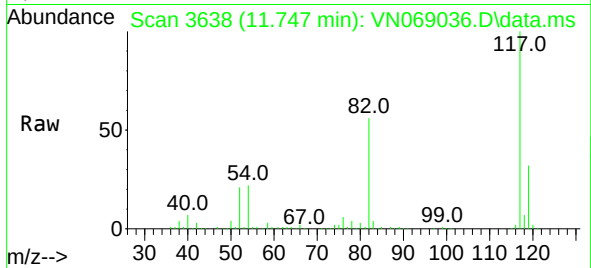




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069036.D
Acq: 19 Oct 2021 19:29

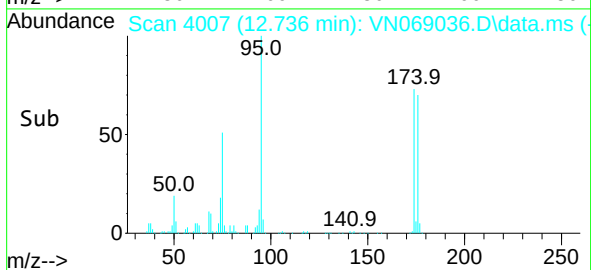
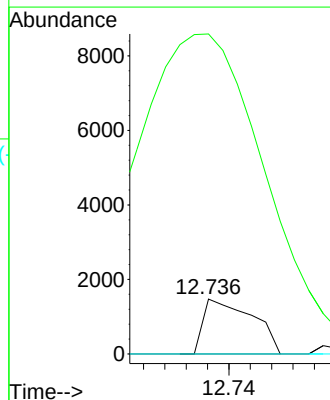
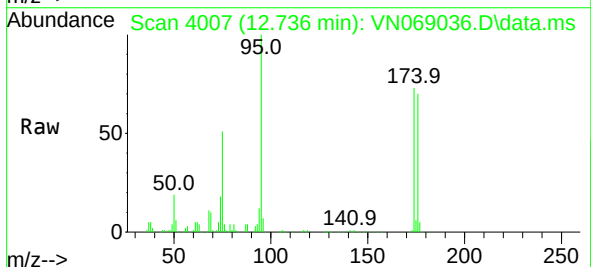
Instrument :
MSVOA_N
ClientSampled :

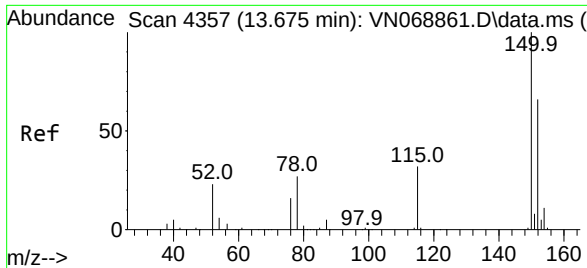
Tgt Ion:117 Resp: 591497
Ion Ratio Lower Upper
117 100
82 56.2 46.4 69.6
119 31.6 26.0 39.0



#71
Bromoform
Concen: 0.268 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN069036.D
Acq: 19 Oct 2021 19:29

Tgt Ion:173 Resp: 940
Ion Ratio Lower Upper
173 100
175 1496.9 23.8 71.5#
254 0.0 0.0 0.0

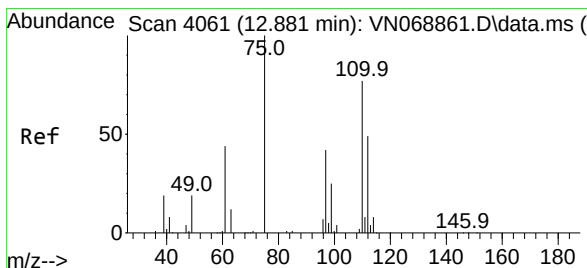
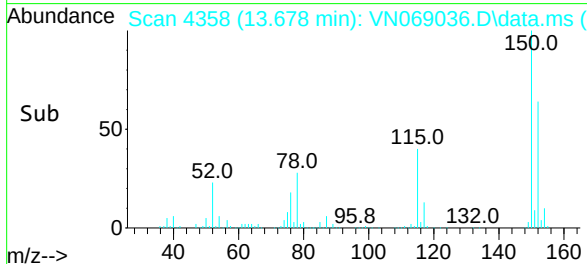
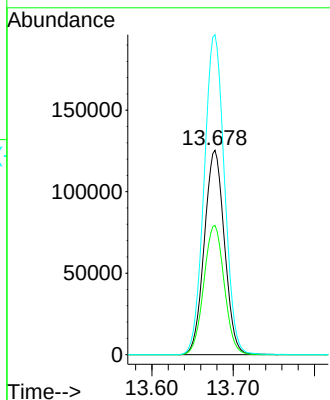
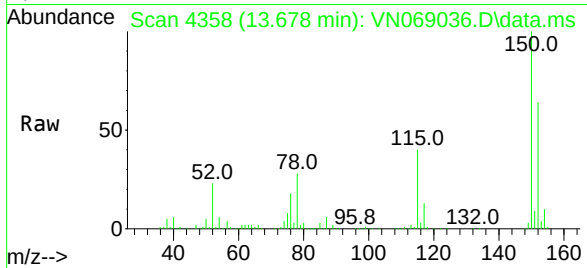




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN069036.D
 Acq: 19 Oct 2021 19:29

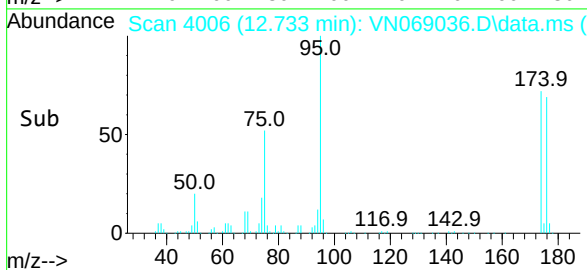
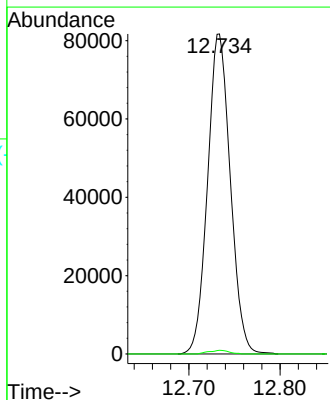
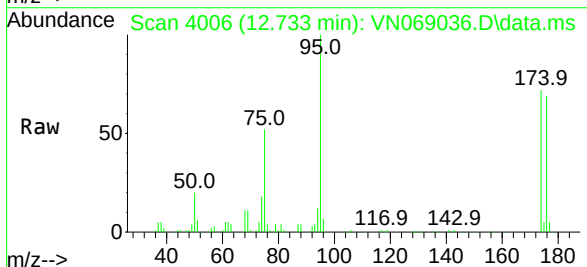
Instrument :
 MSVOA_N
 ClientSampled :

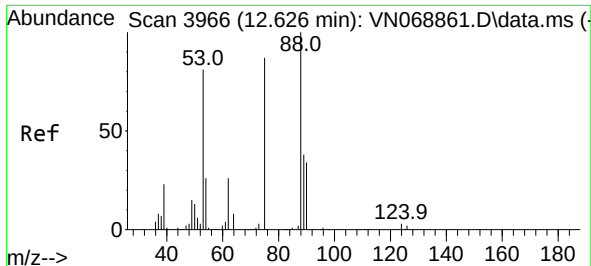
Tgt Ion:152 Resp: 216336
 Ion Ratio Lower Upper
 152 100
 115 64.0 31.4 94.3
 150 158.0 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 30.750 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.147 min
 Lab File: VN069036.D
 Acq: 19 Oct 2021 19:29

Tgt Ion: 75 Resp: 141543
 Ion Ratio Lower Upper
 75 100
 77 1.0 96.2 288.4#

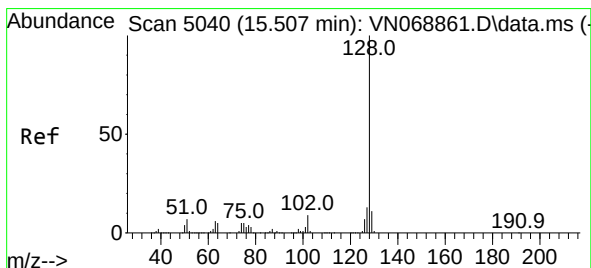
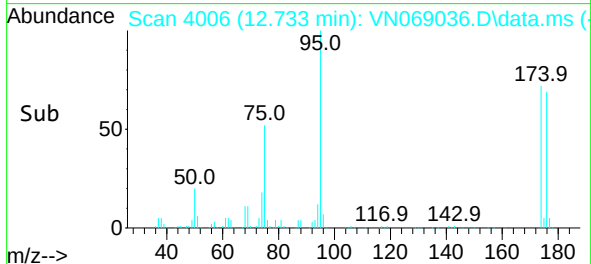
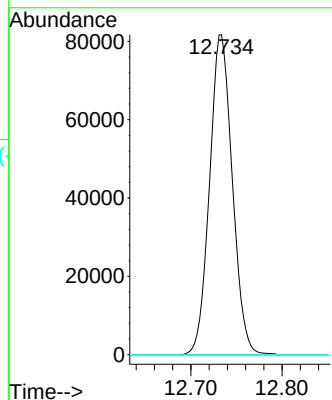
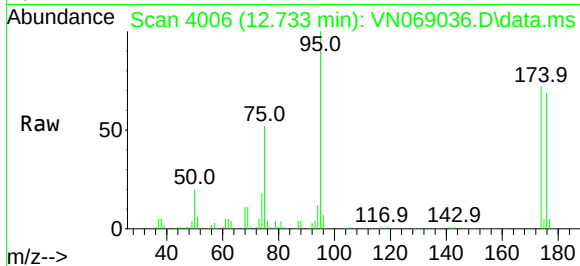




#81
trans-1,4-Dichloro-2-butene
Concen: 73.568 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069036.D
Acq: 19 Oct 2021 19:29

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 141543
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.838 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069036.D
Acq: 19 Oct 2021 19:29

Tgt Ion:128 Resp: 288
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

