

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN068978.D
 Acq On : 18 Oct 2021 14:44
 Operator : JC/MD
 Sample : M4243-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 06:36:18 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)

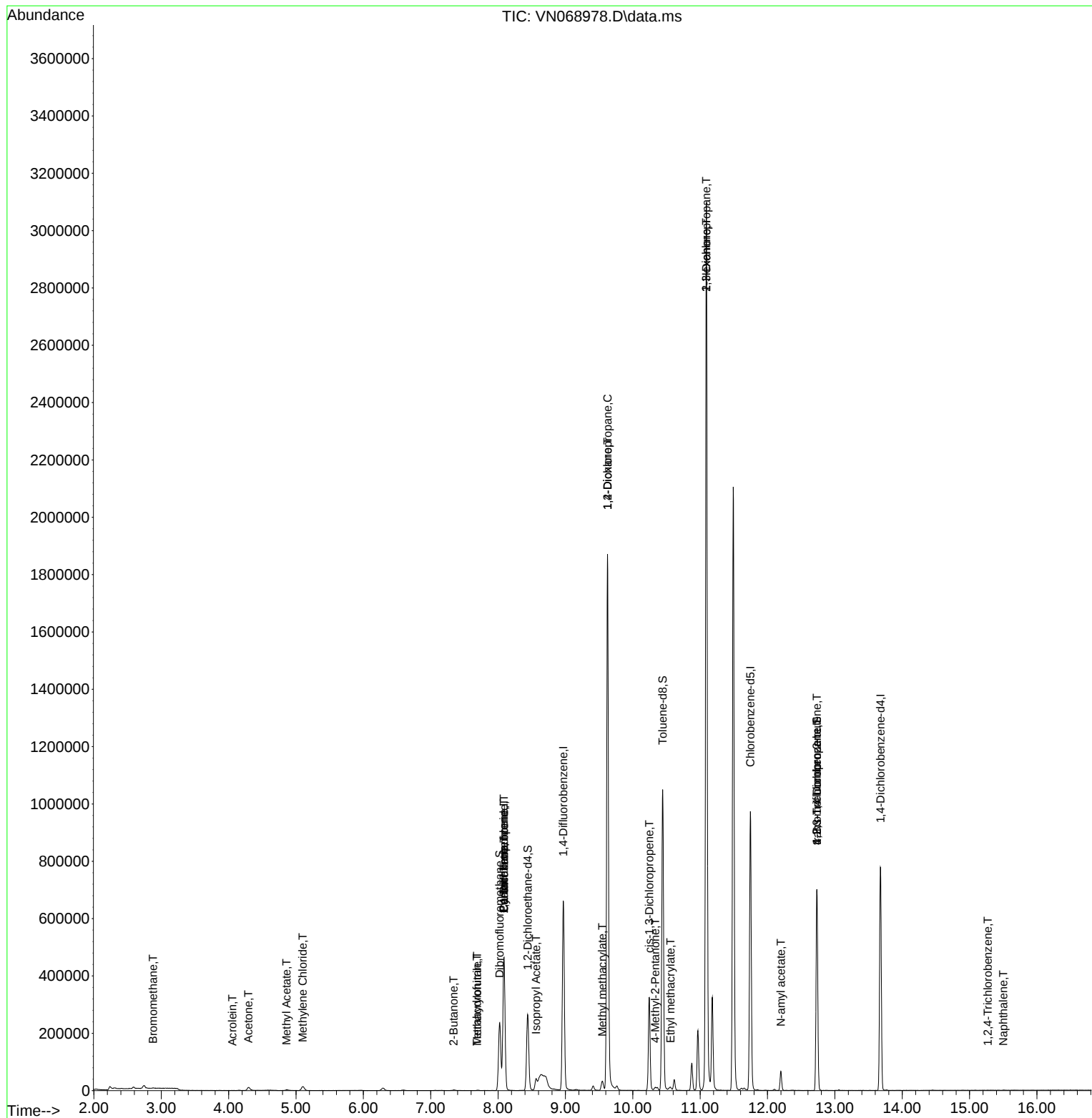
Internal Standards						
1) Pentafluorobenzene	8.088	168	345351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	595079	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	567148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	213708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	224333	49.268	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.540%		
35) Dibromofluoromethane	8.024	113	178593	51.583	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	103.160%		
50) Toluene-d8	10.443	98	754556	54.469	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	108.940%		
62) 4-Bromofluorobenzene	12.734	95	263239	50.366	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.740%		
Target Compounds					Qvalue	
5) Bromomethane	2.877	94	659	0.279	ug/l #	72
13) Acrolein	4.055	56	75	0.204	ug/l #	1
16) Acetone	4.293	43	20621	12.136	ug/l	99
18) Methyl Acetate	4.857	43	2877	0.446	ug/l #	85
20) Methylene Chloride	5.098	84	11645	2.978	ug/l	95
25) 2-Butanone	7.340	43	4151	1.615	ug/l	97
29) Tetrahydrofuran	7.686	42	458	0.275	ug/l #	58
31) Cyclohexane	8.088	56	8245	1.165	ug/l #	7
36) 1,1-Dichloropropene	8.086	75	29031	5.711	ug/l #	49
38) Carbon Tetrachloride	8.088	117	36150	6.476	ug/l #	15
41) Methacrylonitrile	7.691	41	696	0.263	ug/l #	30
43) Isopropyl Acetate	8.563	43	50452	5.447	ug/l #	83
45) 1,2-Dichloropropane	9.625	63	2244	0.559	ug/l #	43
48) Methyl methacrylate	9.547	41	8855	2.035	ug/l #	13
49) 1,4-Dioxane	9.625	88	86	36.611	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	4632	0.862	ug/l #	70
54) cis-1,3-Dichloropropene	10.245	75	62486	9.332	ug/l #	60
56) Ethyl methacrylate	10.561	69	5263	0.798	ug/l #	92
57) 1,3-Dichloropropane	11.092	76	33972	5.248	ug/l #	42
59) 2-Hexanone	11.092	43	486095	126.209	ug/l #	50
74) N-amyl acetate	12.197	43	21877	3.246	ug/l #	53
76) 1,2,3-Trichloropropane	12.734	75	136188	29.951	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	136188	71.655	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.271	180	24	2.608	ug/l #	12
95) Naphthalene	15.501	128	628	3.870	ug/l #	69

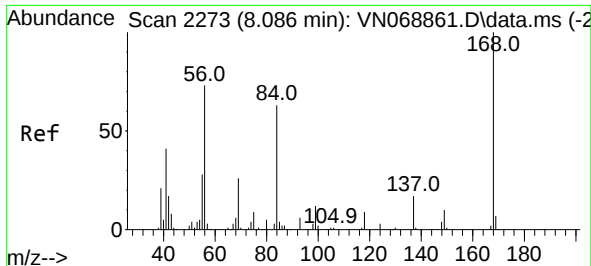
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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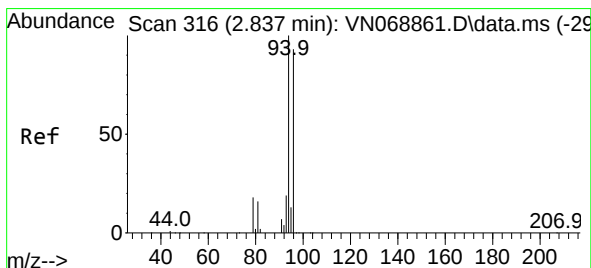
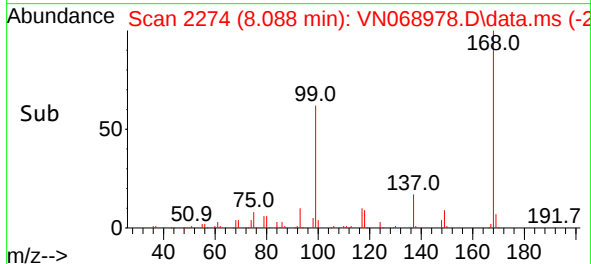
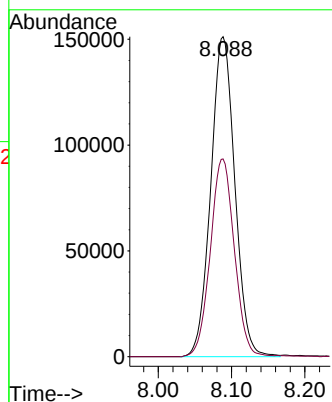
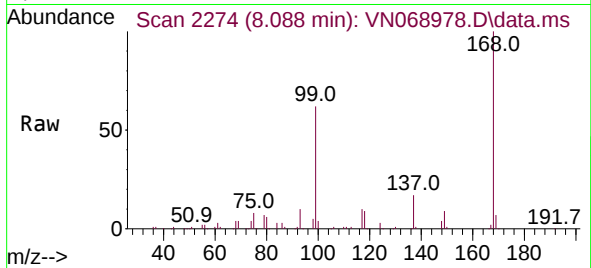




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

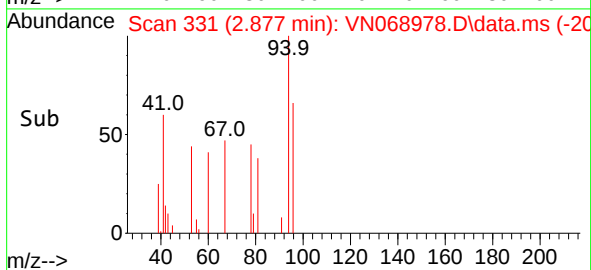
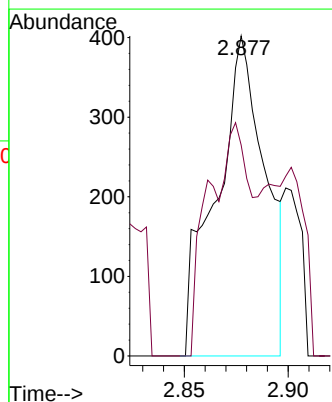
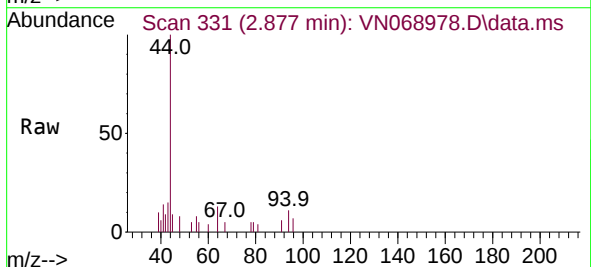
Instrument :
MSVOA_N
ClientSampled :

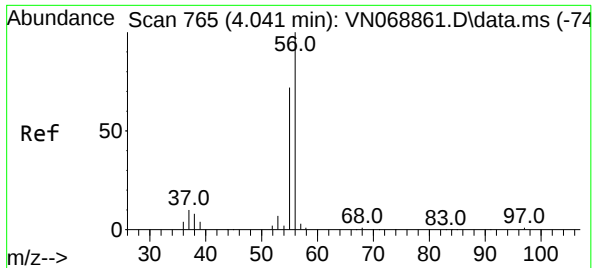
Tgt Ion:168 Resp: 345351
Ion Ratio Lower Upper
168 100
99 61.8 48.9 73.3



#5
Bromomethane
Concen: 0.279 ug/l
RT: 2.877 min Scan# 331
Delta R.T. 0.040 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

Tgt Ion: 94 Resp: 659
Ion Ratio Lower Upper
94 100
96 65.9 74.2 111.4#

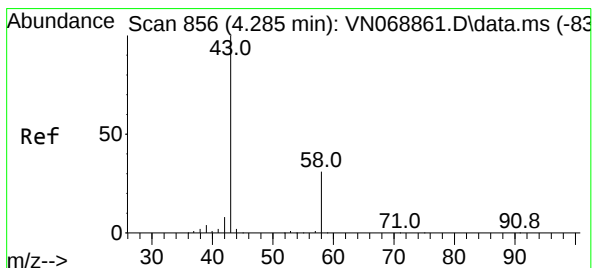
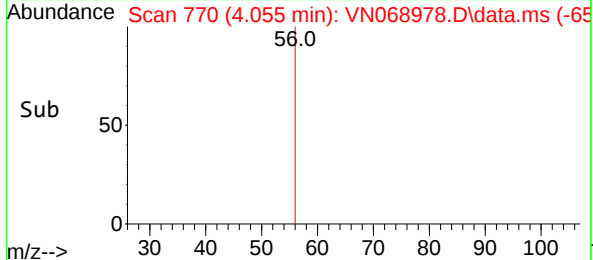
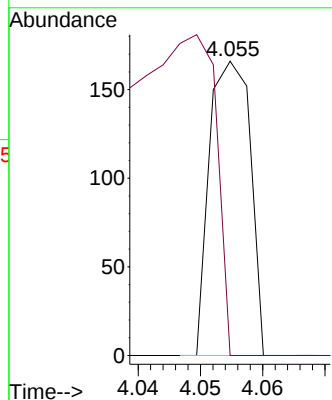
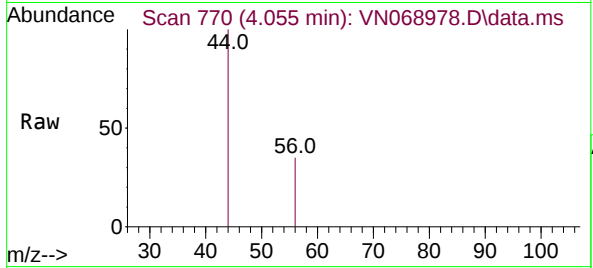




#13
Acrolein
Concen: 0.204 ug/l
RT: 4.055 min Scan# 770
Delta R.T. 0.014 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

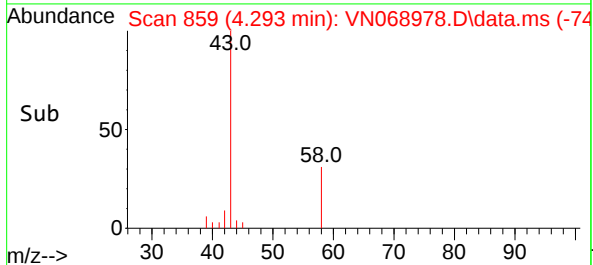
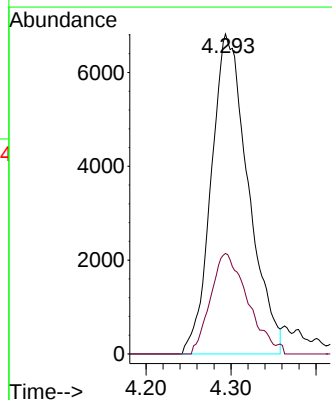
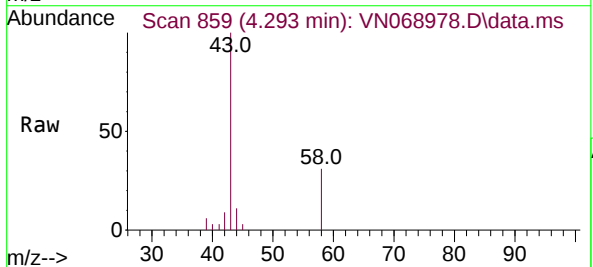
Instrument :
MSVOA_N
ClientSampled :

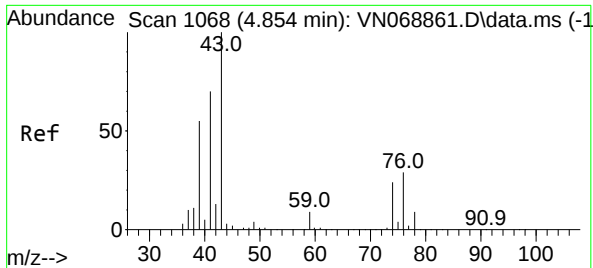
Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
55 213.3 58.1 87.1#



#16
Acetone
Concen: 12.136 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

Tgt Ion: 43 Resp: 20621
Ion Ratio Lower Upper
43 100
58 31.4 24.5 36.7

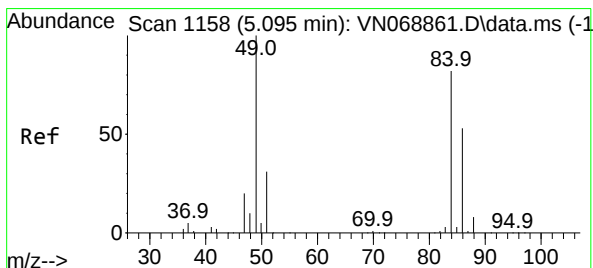
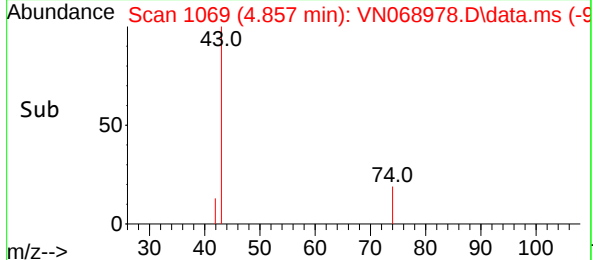
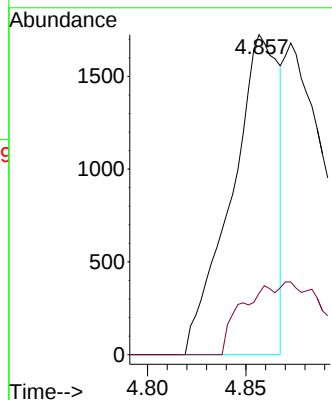
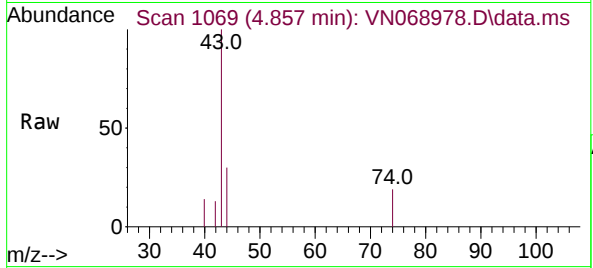




#18
Methyl Acetate
Concen: 0.446 ug/l
RT: 4.857 min Scan# 1069
Delta R.T. 0.003 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

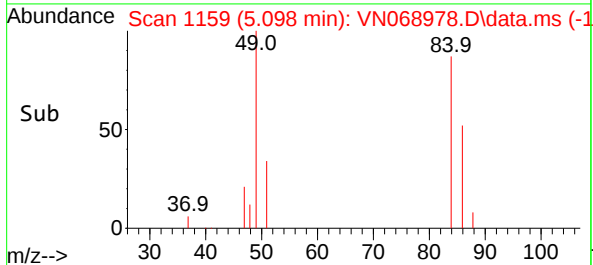
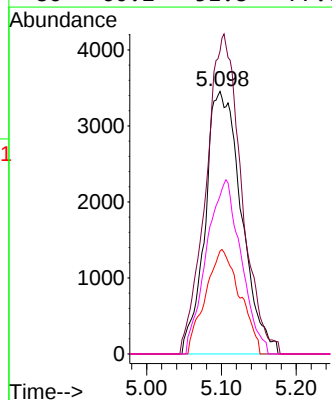
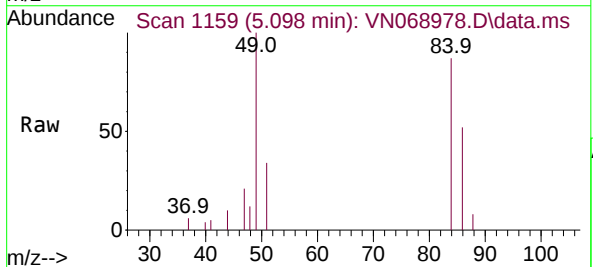
Instrument :
MSVOA_N
ClientSampled :

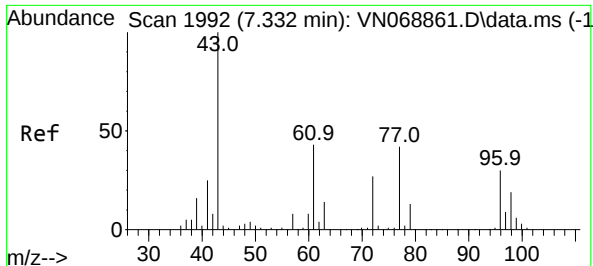
Tgt Ion: 43 Resp: 2877
Ion Ratio Lower Upper
43 100
74 16.1 18.9 28.3#



#20
Methylene Chloride
Concen: 2.978 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

Tgt Ion: 84 Resp: 11645
Ion Ratio Lower Upper
84 100
49 115.3 97.6 146.4
51 39.2 30.3 45.5
86 60.2 51.8 77.6

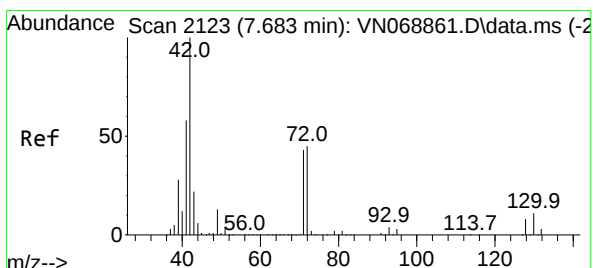
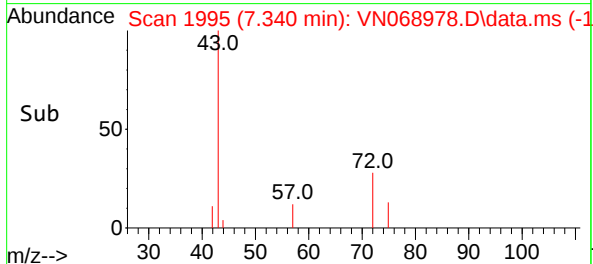
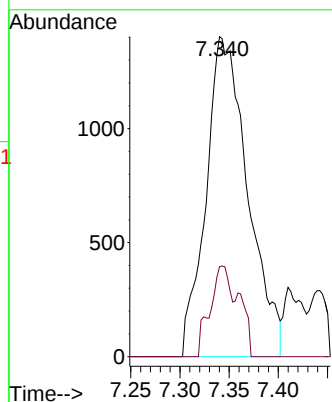
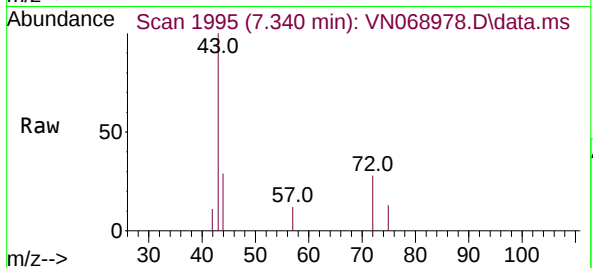




#25
2-Butanone
Concen: 1.615 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.008 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

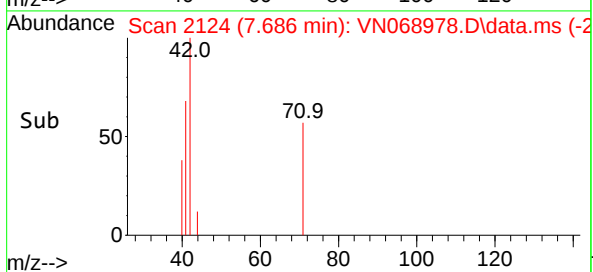
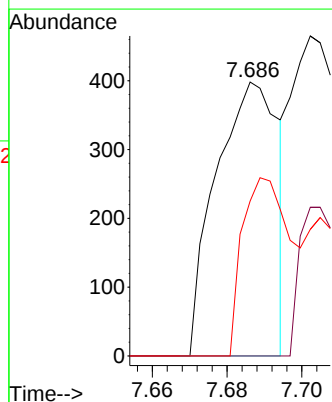
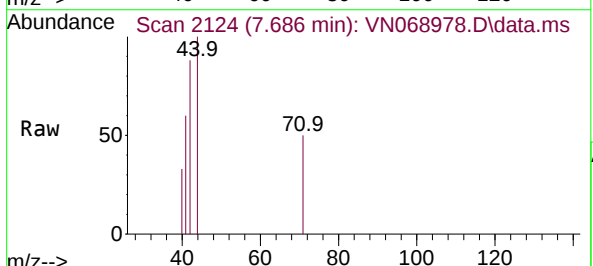
Instrument :
MSVOA_N
ClientSampled :

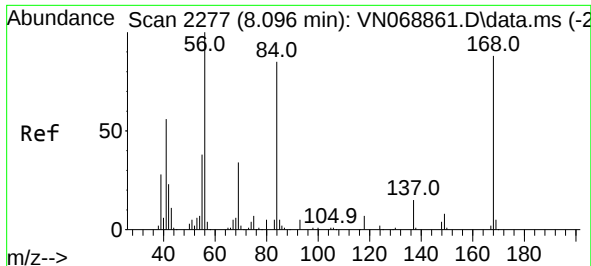
Tgt Ion: 43 Resp: 4151
Ion Ratio Lower Upper
43 100
72 28.2 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.275 ug/l
RT: 7.686 min Scan# 2124
Delta R.T. 0.003 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

Tgt Ion: 42 Resp: 458
Ion Ratio Lower Upper
42 100
72 0.0 35.4 53.2#
71 51.1 33.8 50.6#

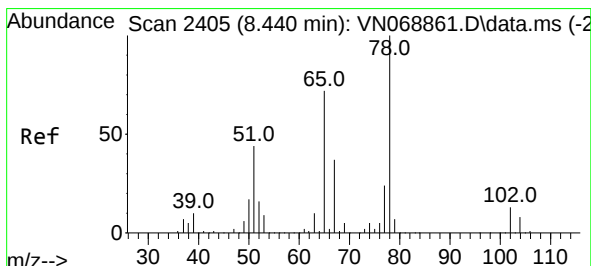
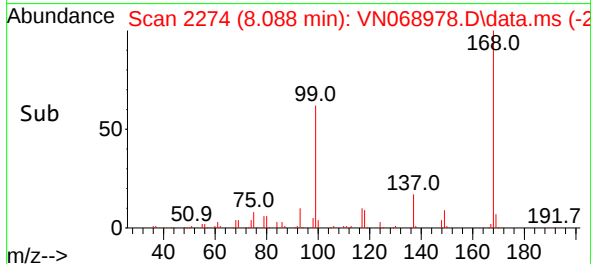
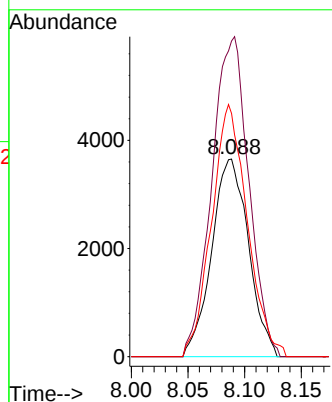
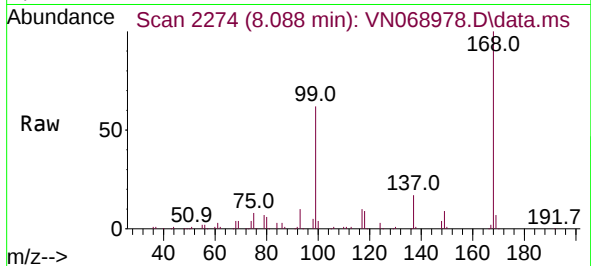




#31
Cyclohexane
Concen: 1.165 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

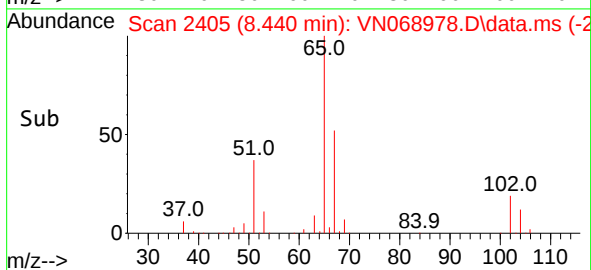
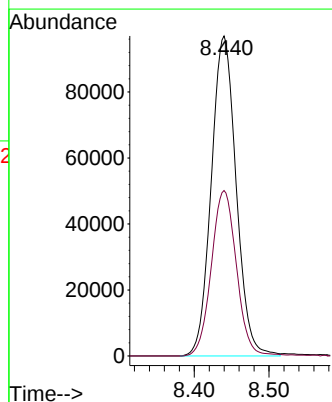
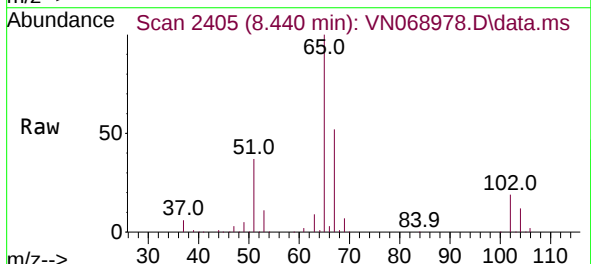
Instrument :
MSVOA_N
ClientSampled :

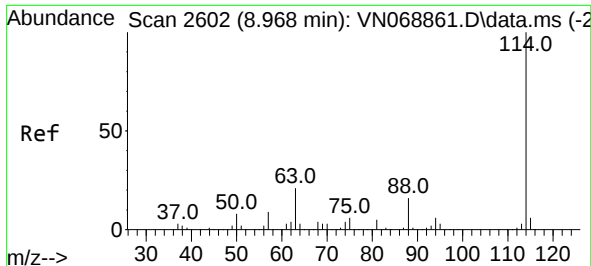
Tgt Ion: 56 Resp: 8245
Ion Ratio Lower Upper
56 100
69 159.7 26.9 40.3#
84 123.1 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.268 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

Tgt Ion: 65 Resp: 224333
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.8

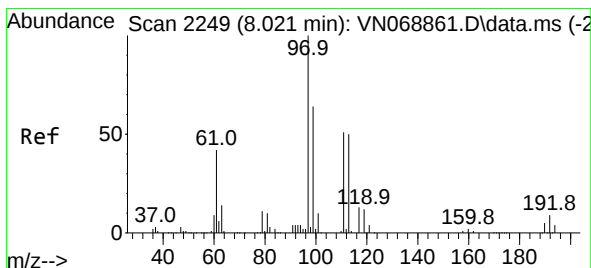
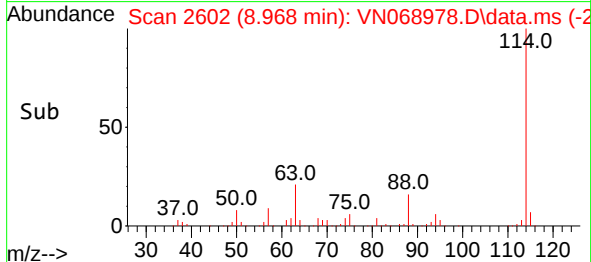
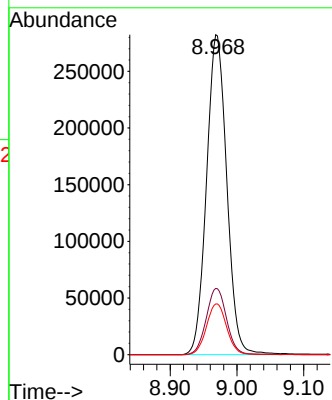
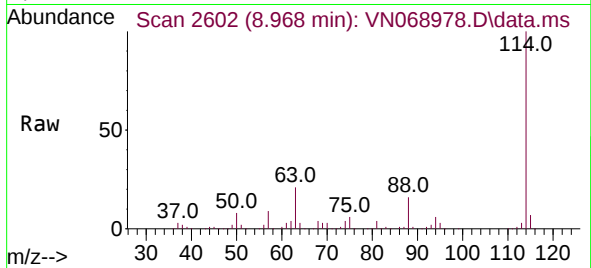




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

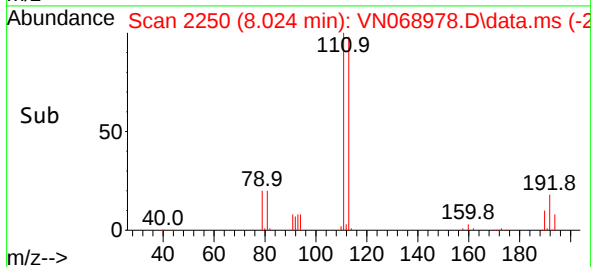
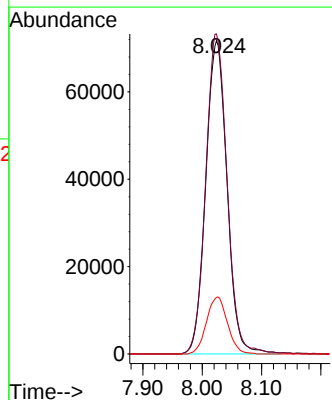
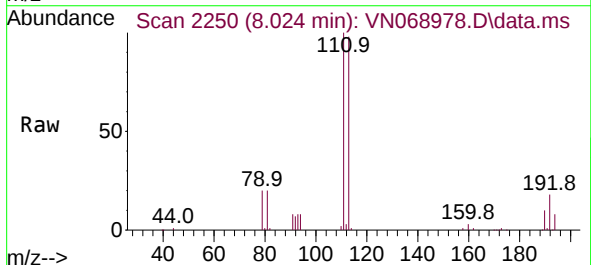
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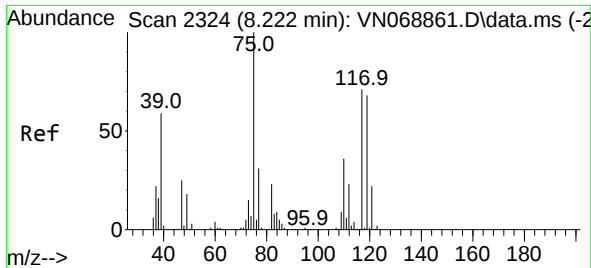
Tgt Ion:114 Resp: 595079
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 15.8 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.583 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

Tgt Ion:113 Resp: 178593
Ion Ratio Lower Upper
113 100
111 102.7 83.2 124.8
192 17.9 15.0 22.4

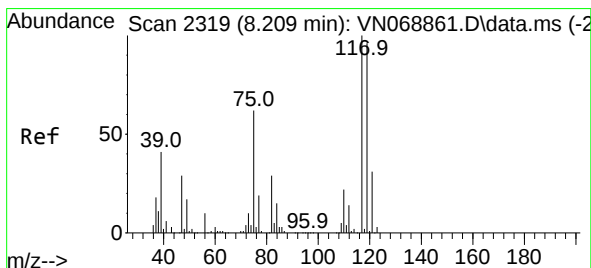
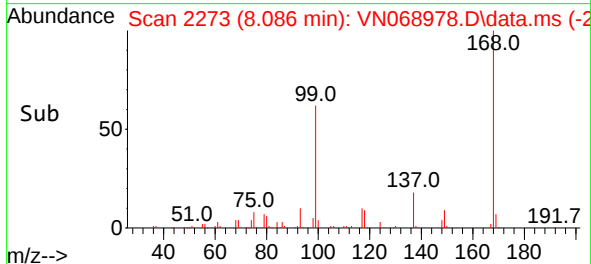
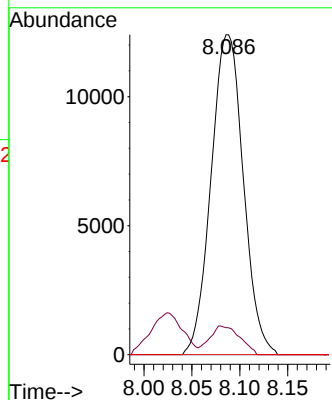
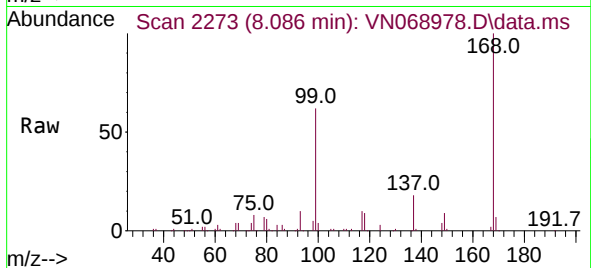




#36
1,1-Dichloropropene
Concen: 5.711 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

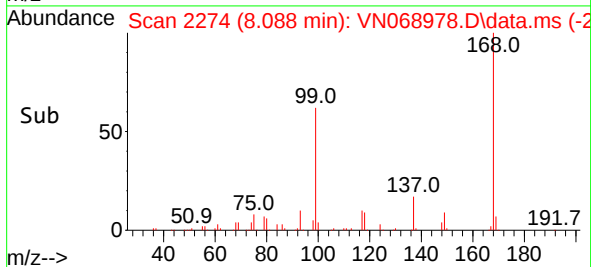
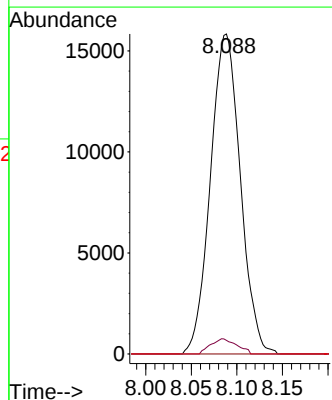
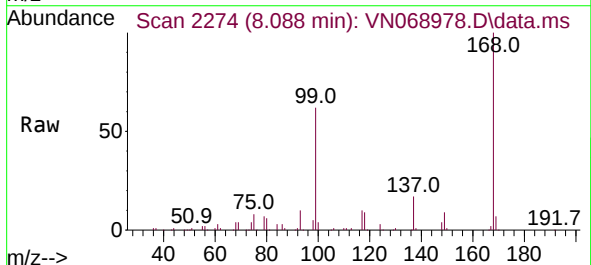
Instrument :
MSVOA_N
ClientSampled :

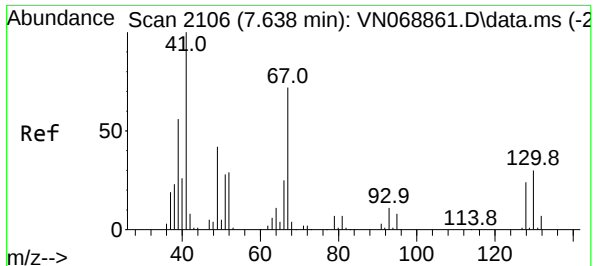
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Ion Ratio Lower Upper
75 100
110 8.5 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.476 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

Tgt Ion: 117 Resp: 36150
Ion Ratio Lower Upper
117 100
119 4.2 76.9 115.3#
121 0.0 24.6 37.0#

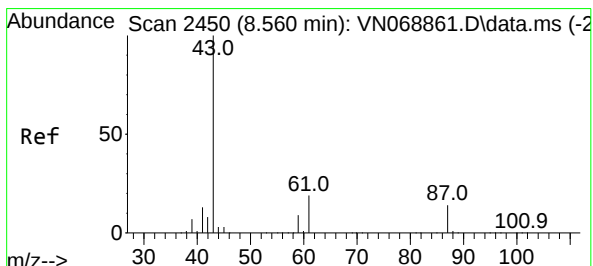
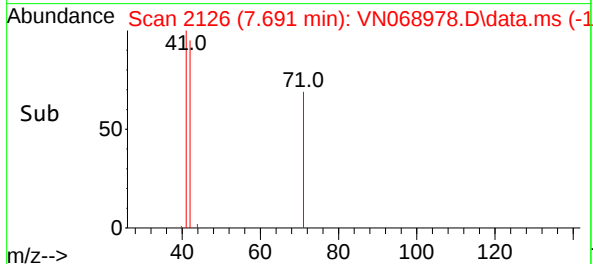
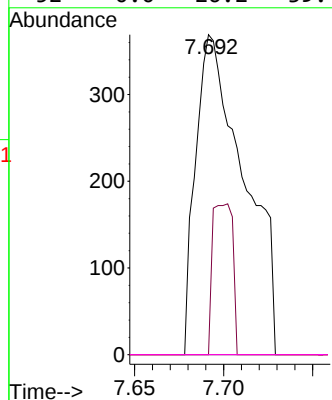
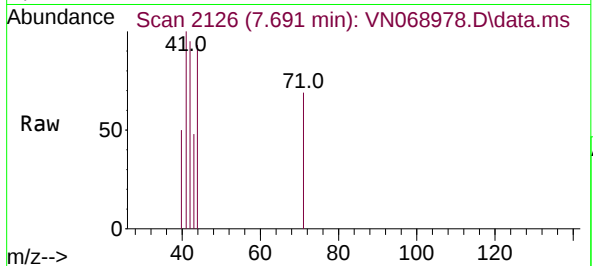




#41
Methacrylonitrile
Concen: 0.263 ug/l
RT: 7.691 min Scan# 2126
Delta R.T. 0.054 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

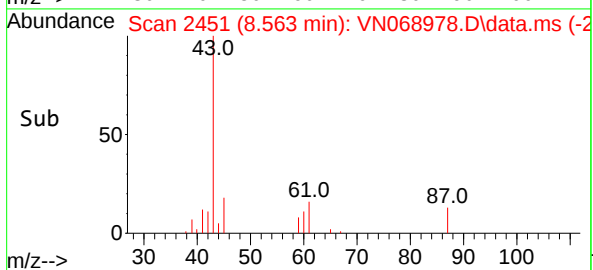
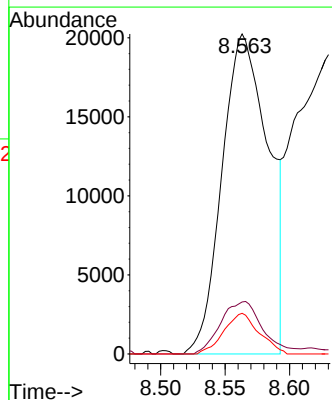
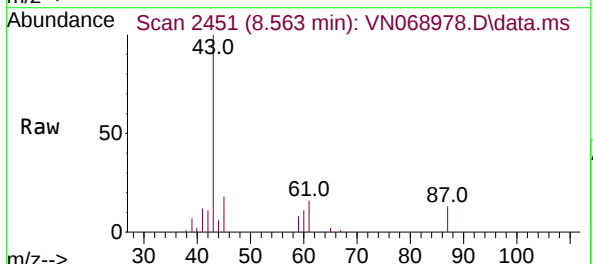
Instrument :
MSVOA_N
ClientSampled :

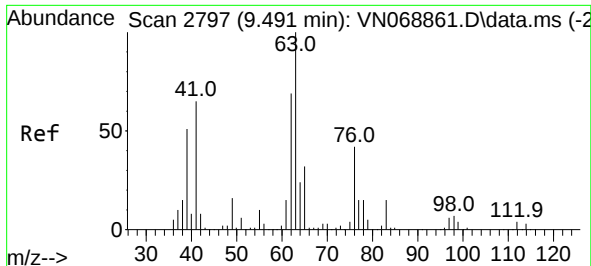
Tgt Ion:	41	Resp:	696
Ion	Ratio	Lower	Upper
41	100		
39	19.5	44.9	67.3#
67	0.0	62.6	93.8#
52	0.0	26.2	39.4#



#43
Isopropyl Acetate
Concen: 5.447 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

Tgt Ion:	43	Resp:	50452
Ion	Ratio	Lower	Upper
43	100		
61	15.0	20.4	30.6#
87	9.7	10.7	16.1#



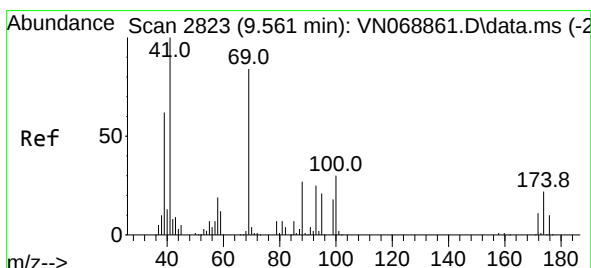
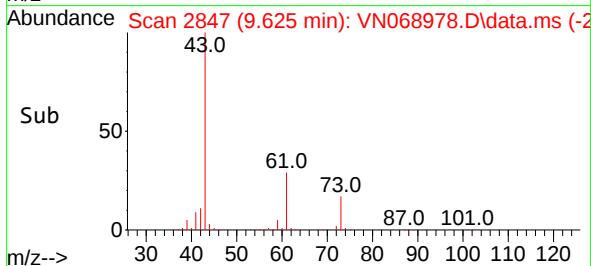
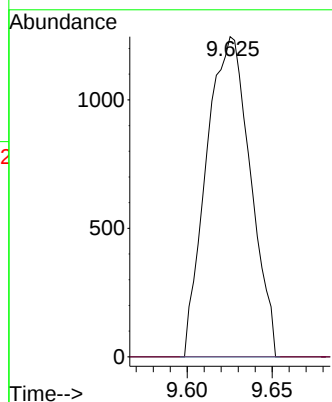
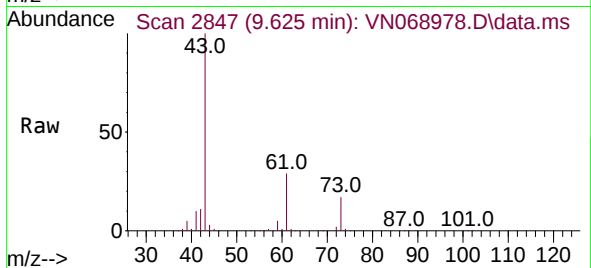


#45

1,2-Dichloropropane
Concen: 0.559 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

Instrument :
MSVOA_N
ClientSampled :

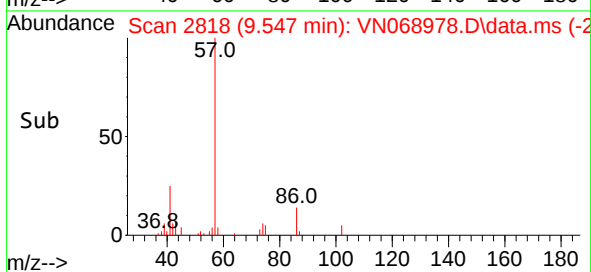
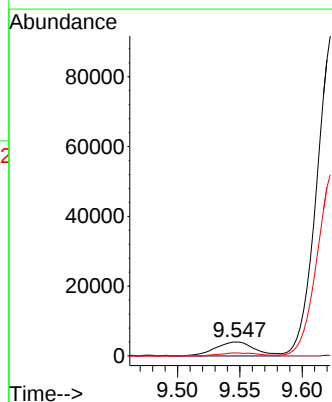
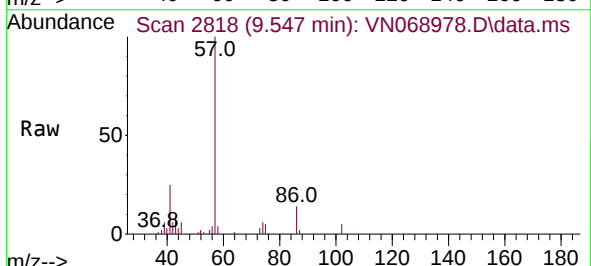
Tgt Ion: 63 Resp: 2244
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

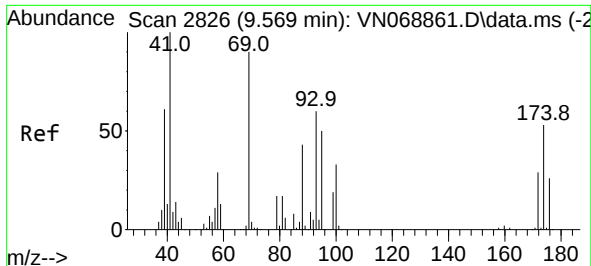


#48

Methyl methacrylate
Concen: 2.035 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

Tgt Ion: 41 Resp: 8855
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: 36.611 ug/l

RT: 9.625 min Scan# 2847

Delta R.T. 0.056 min

Lab File: VN068978.D

Acq: 18 Oct 2021 14:44

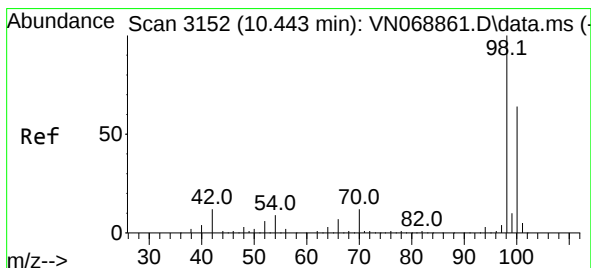
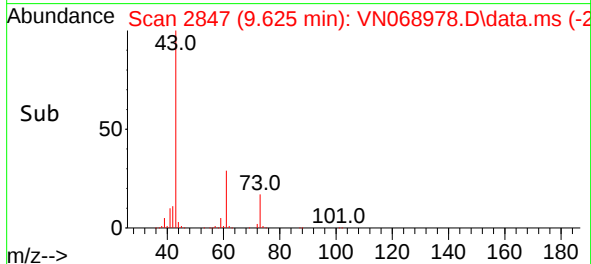
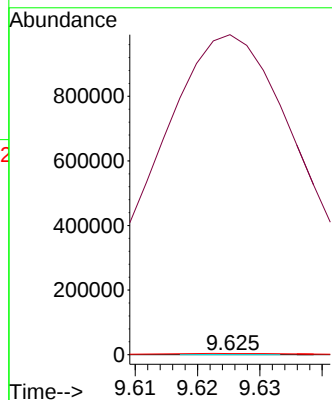
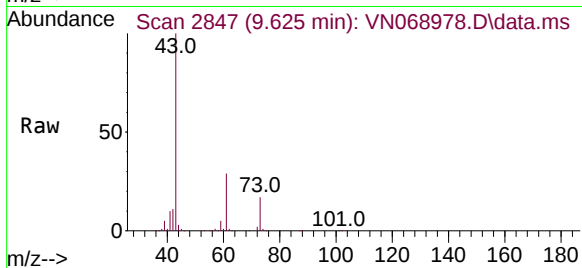
Tgt Ion: 88 Resp: 86

Ion Ratio Lower Upper

88 100

43 2164290.7 24.9 37.3#

58 8023.3 56.9 85.3#



#50

Toluene-d8

Concen: 54.469 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN068978.D

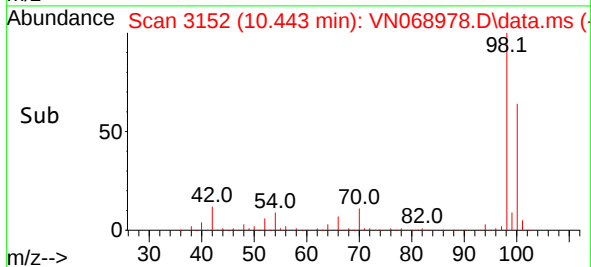
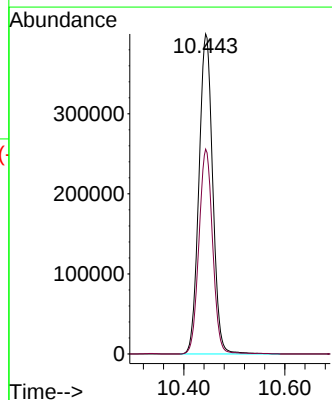
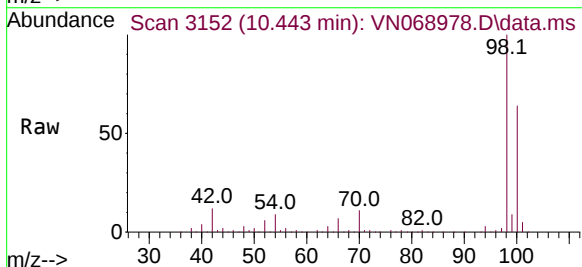
Acq: 18 Oct 2021 14:44

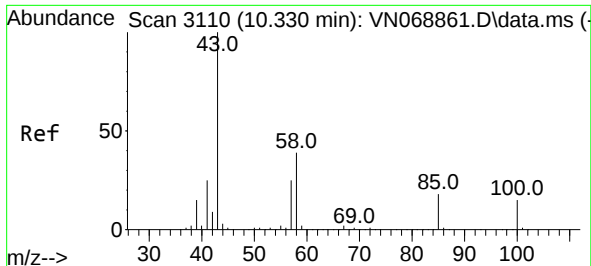
Tgt Ion: 98 Resp: 754556

Ion Ratio Lower Upper

98 100

100 63.8 51.5 77.3

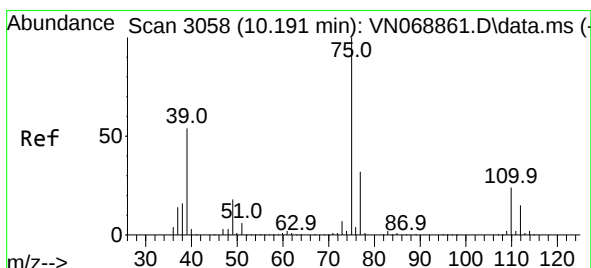
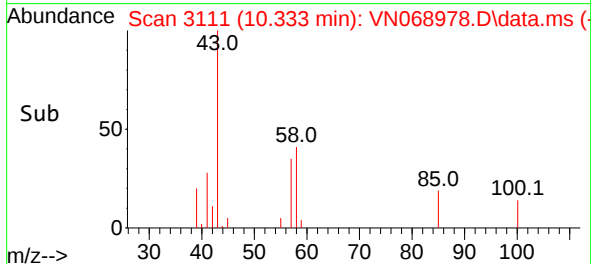
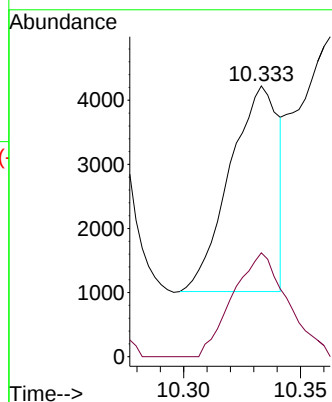
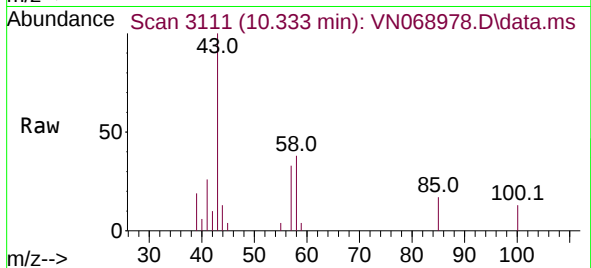




#51
4-Methyl-2-Pentanone
Concen: 0.862 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

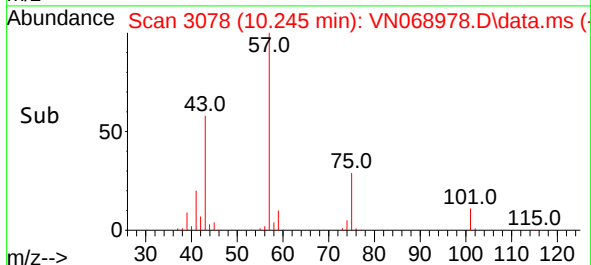
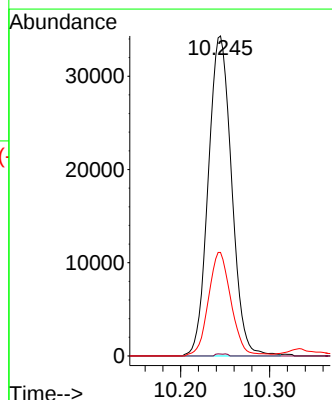
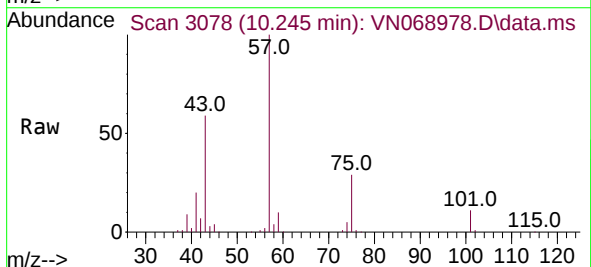
Instrument :
MSVOA_N
ClientSampled :

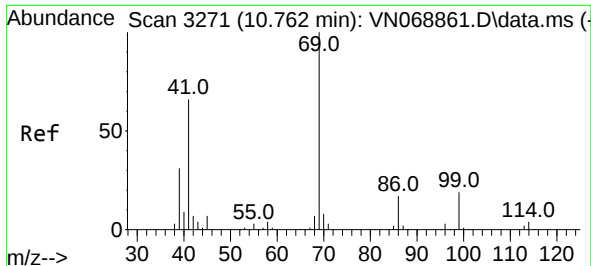
Tgt Ion: 43 Resp: 4632
Ion Ratio Lower Upper
43 100
58 57.0 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 9.332 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

Tgt Ion: 75 Resp: 62486
Ion Ratio Lower Upper
75 100
77 0.6 25.6 38.4#
39 32.3 42.9 64.3#

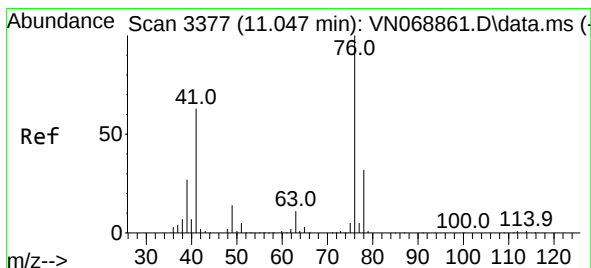
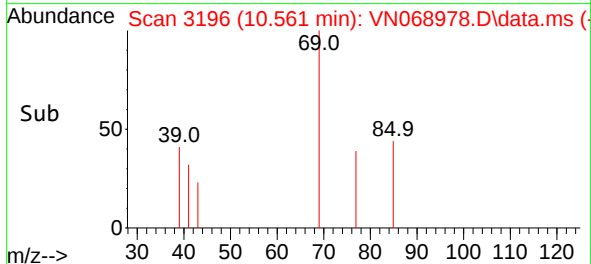
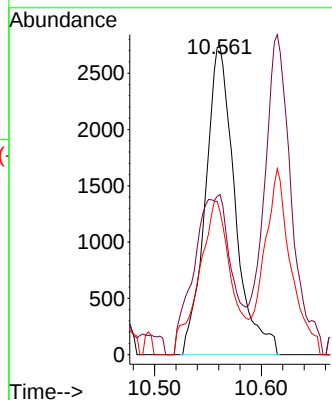
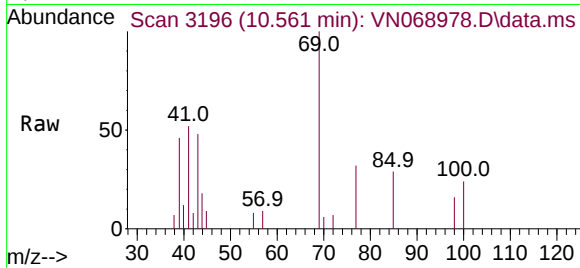




#56
Ethyl methacrylate
Concen: 0.798 ug/l
RT: 10.561 min Scan# 3196
Delta R.T. -0.201 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

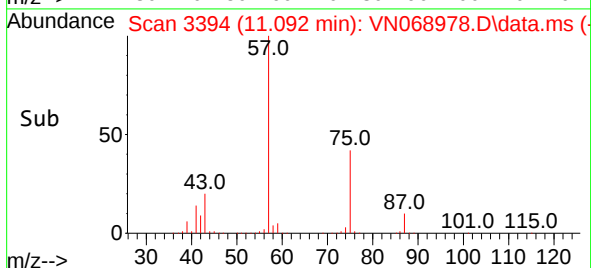
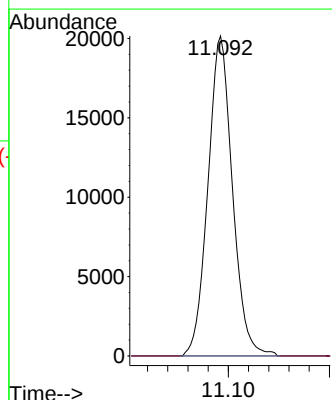
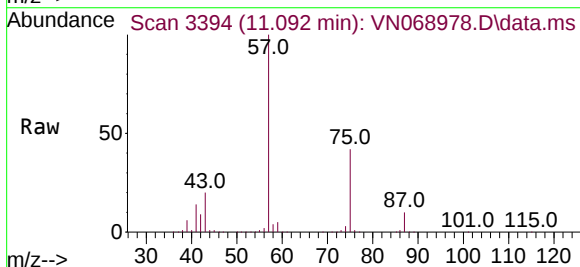
Instrument :
MSVOA_N
ClientSampled :

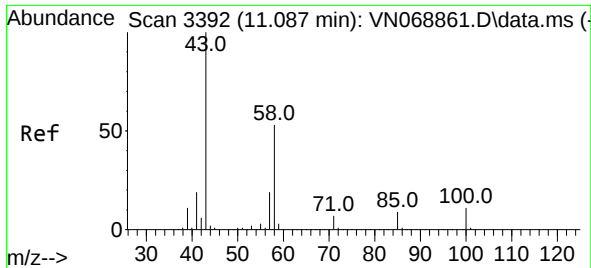
Tgt Ion: 69 Resp: 5263
Ion Ratio Lower Upper
69 100
41 66.2 53.3 79.9
39 54.4 33.3 49.9#



#57
1,3-Dichloropropane
Concen: 5.248 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

Tgt Ion: 76 Resp: 33972
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

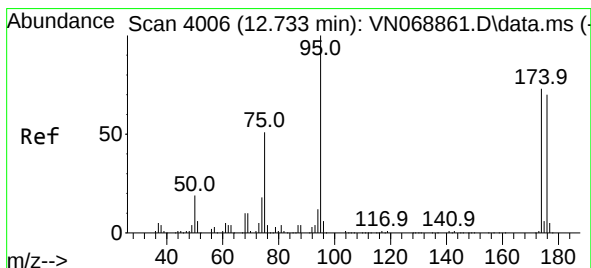
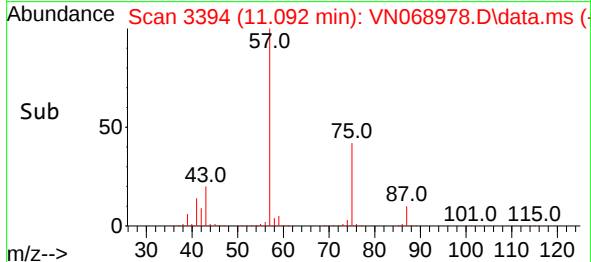
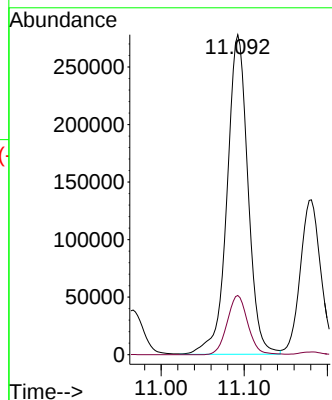
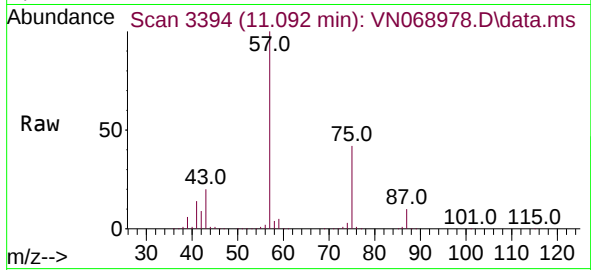




#59
2-Hexanone
Concen: 126.209 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

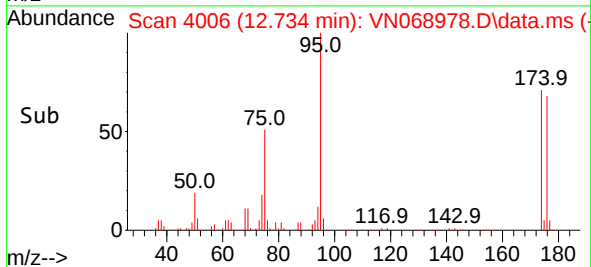
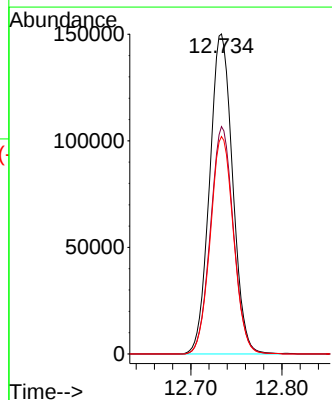
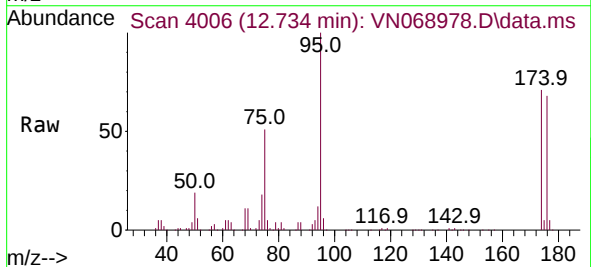
Instrument :
MSVOA_N
ClientSampled :

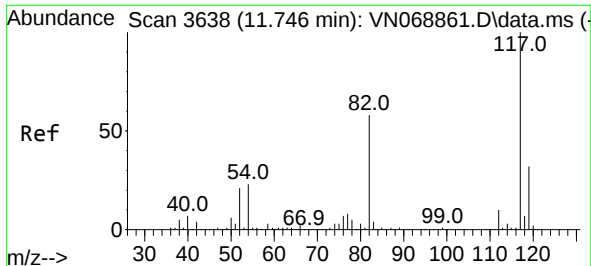
Tgt Ion: 43 Resp: 486095
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 50.366 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

Tgt Ion: 95 Resp: 263239
Ion Ratio Lower Upper
95 100
174 71.1 0.0 144.8
176 68.5 0.0 140.0

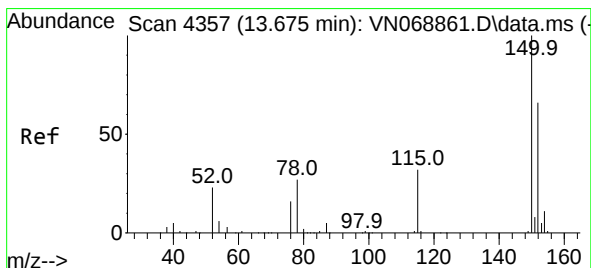
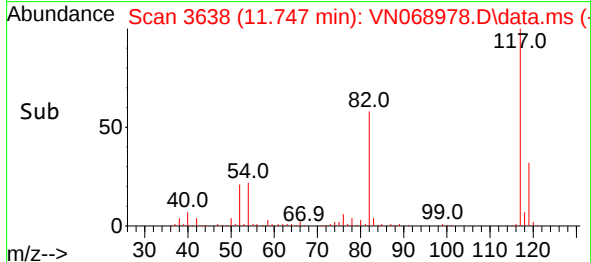
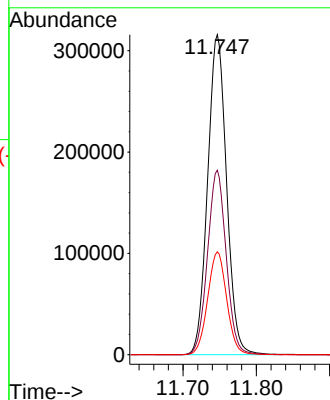
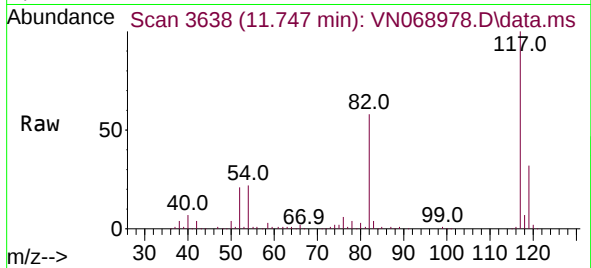




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

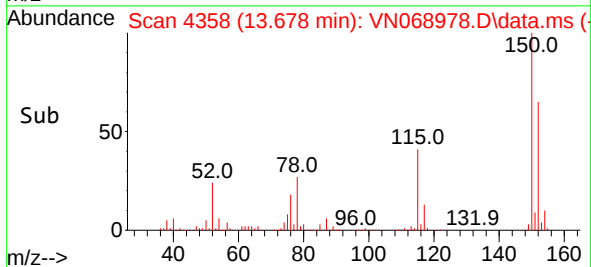
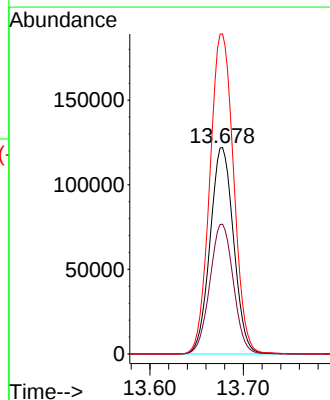
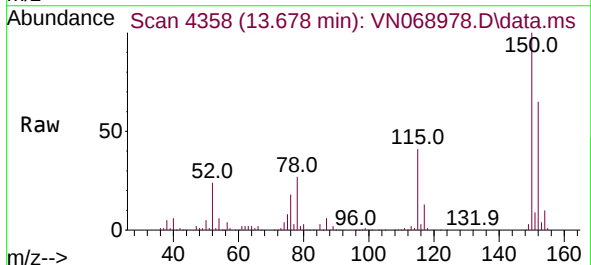
Instrument :
MSVOA_N
ClientSampled :

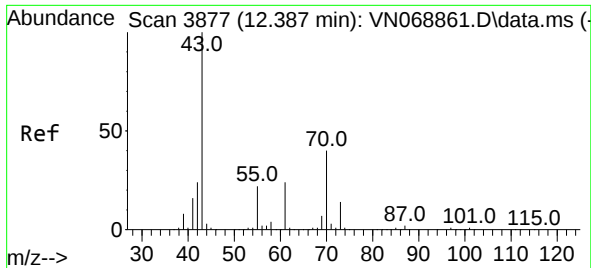
Tgt Ion:117 Resp: 567148
Ion Ratio Lower Upper
117 100
82 57.6 46.4 69.6
119 32.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

Tgt Ion:152 Resp: 213708
Ion Ratio Lower Upper
152 100
115 62.9 31.4 94.3
150 156.9 0.0 351.0

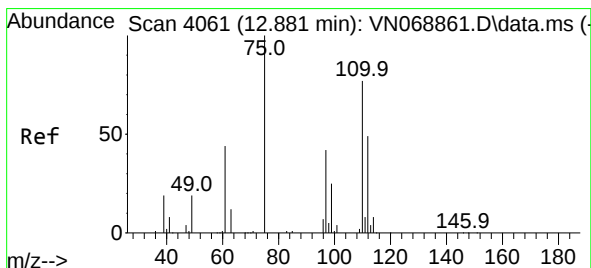
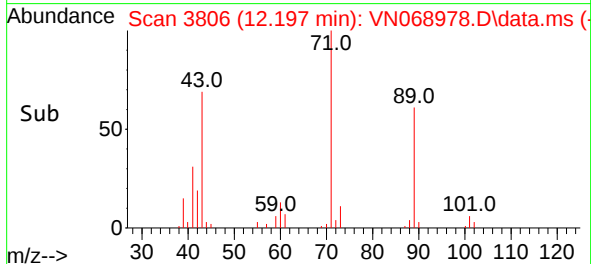
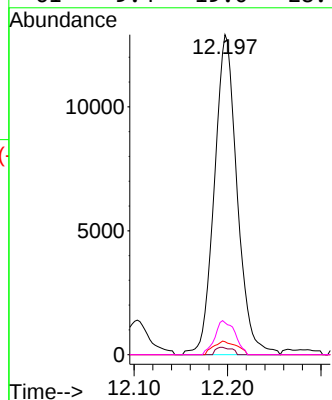
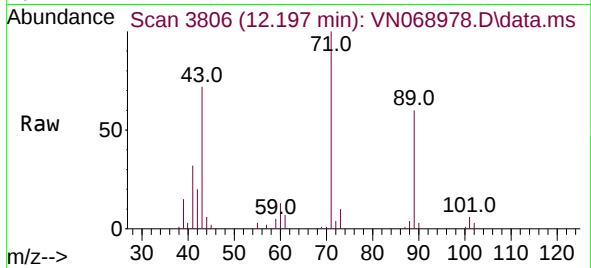




#74
N-amy1 acetate
Concen: 3.246 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

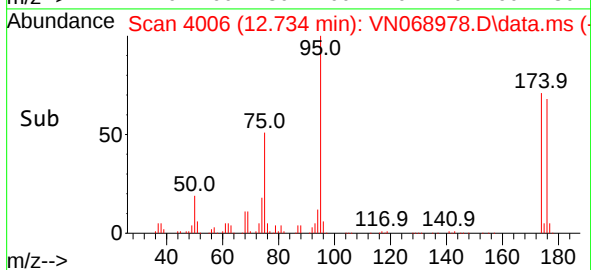
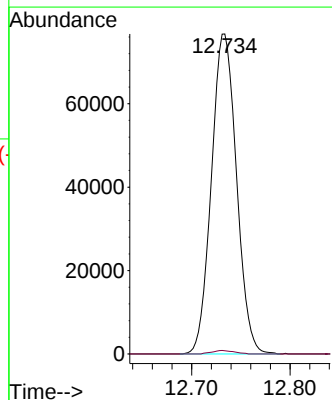
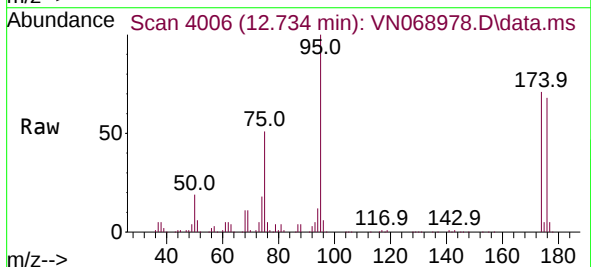
Instrument :
MSVOA_N
ClientSampled :

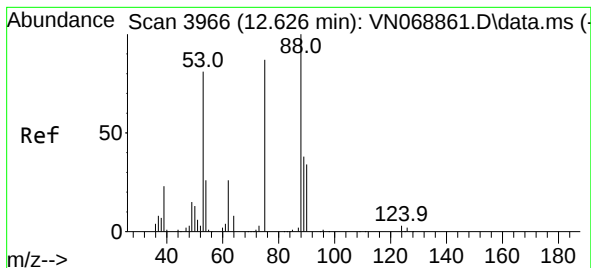
Tgt Ion:	43	Resp:	21877
Ion	Ratio	Lower	Upper
43	100		
70	1.6	32.2	48.2#
55	4.3	18.0	27.0#
61	9.4	19.0	28.4#



#76
1,2,3-Trichloropropane
Concen: 29.951 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

Tgt Ion:	75	Resp:	136188
Ion	Ratio	Lower	Upper
75	100		
77	1.0	96.2	288.4#

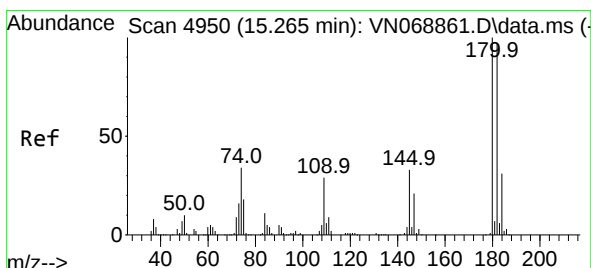
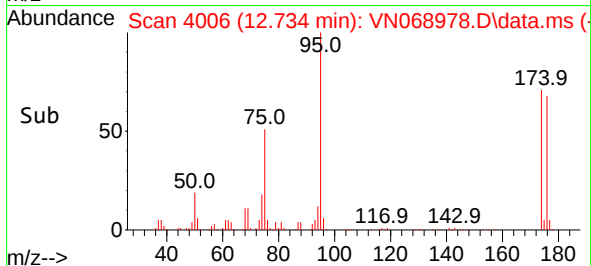
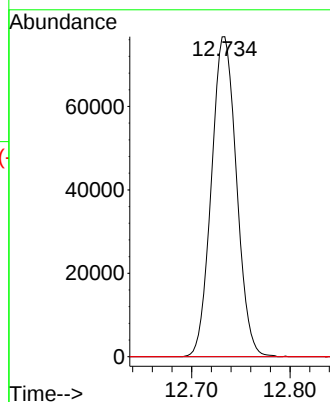
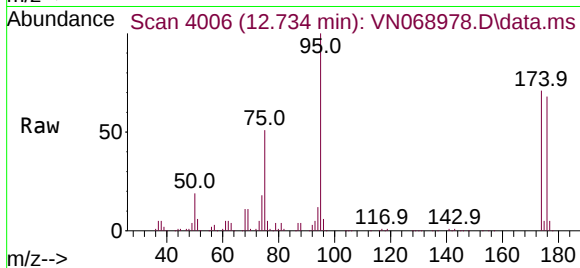




#81
trans-1,4-Dichloro-2-butene
Concen: 71.655 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

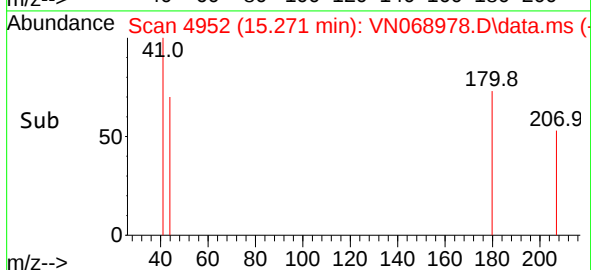
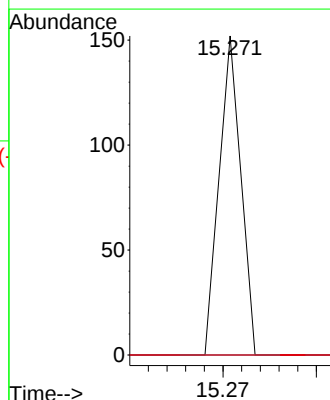
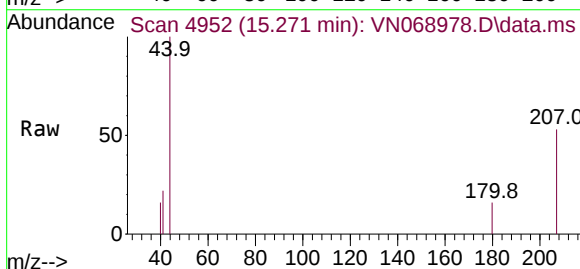
Instrument :
MSVOA_N
ClientSampleId :

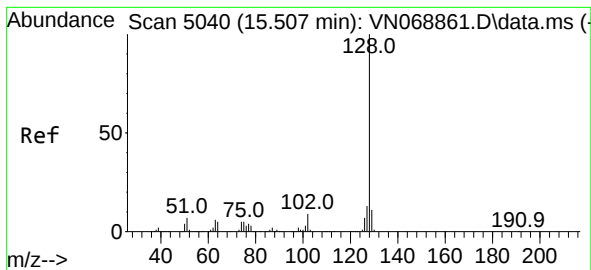
Tgt Ion: 75 Resp: 136188
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.608 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

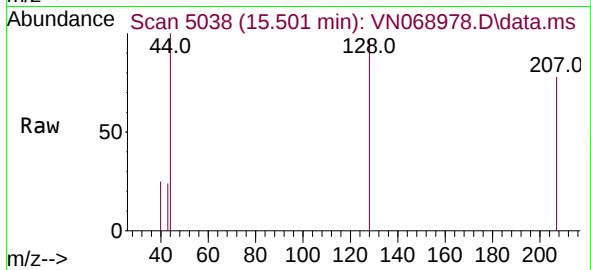
Tgt Ion:180 Resp: 24
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.7#
145 0.0 16.4 49.2#





#95
Naphthalene
Concen: 3.870 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN068978.D
Acq: 18 Oct 2021 14:44

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	628
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.9	13.3#

