

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101421\
 Data File : VN068922.D
 Acq On : 14 Oct 2021 14:10
 Operator : JC/MD
 Sample : M4192-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 14 22:45:03 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)

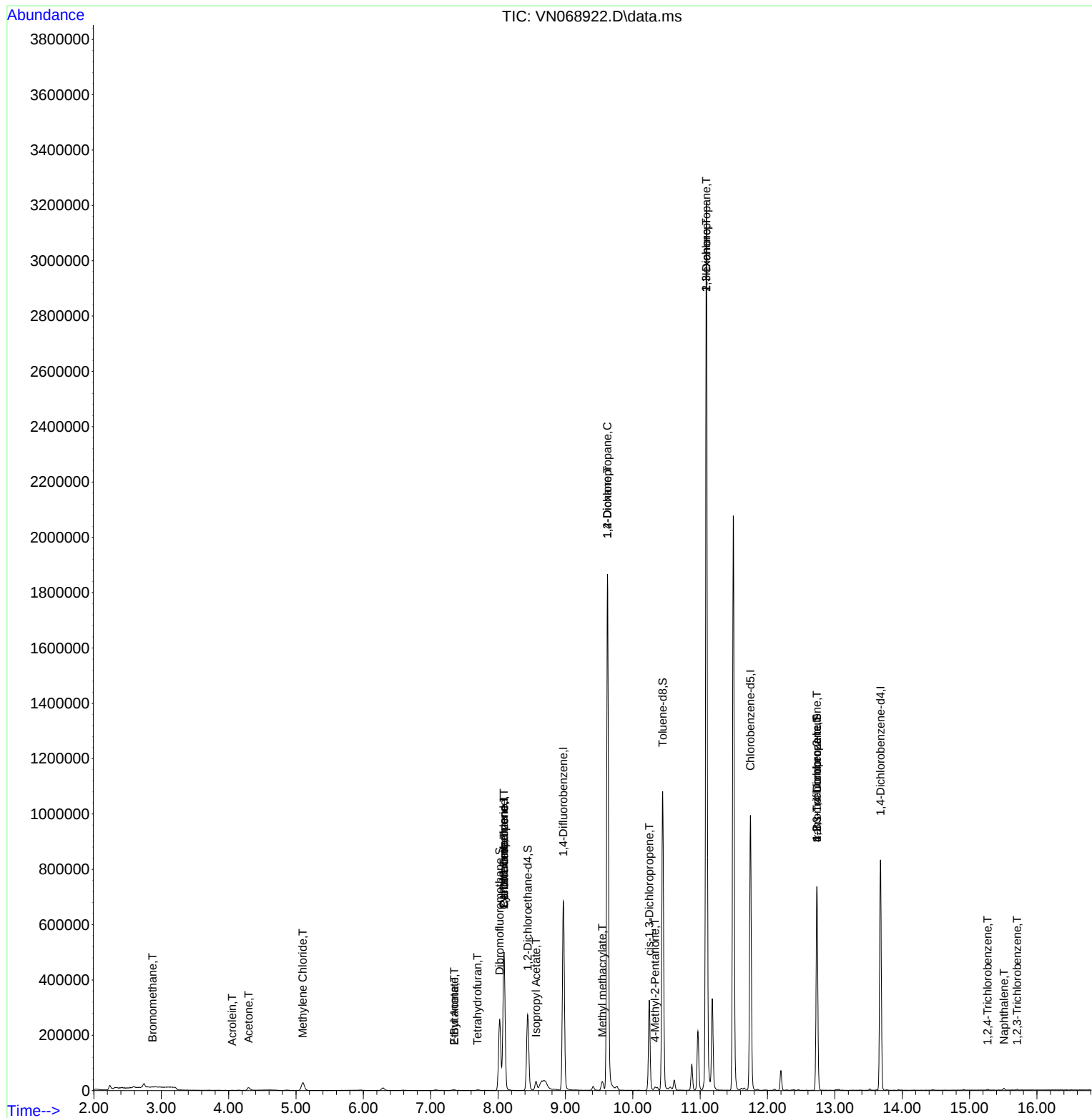
Internal Standards						
1) Pentafluorobenzene	8.088	168	390823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	633478	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	584771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	230788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	229723	44.582	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.160%		
35) Dibromofluoromethane	8.024	113	188809	51.228	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.460%		
50) Toluene-d8	10.443	98	772341	52.373	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.740%		
62) 4-Bromofluorobenzene	12.733	95	266621	47.921	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.840%		
Target Compounds						Qvalue
5) Bromomethane	2.872	94	636	0.238	ug/l #	51
13) Acrolein	4.052	56	389	0.934	ug/l #	73
16) Acetone	4.296	43	19927	10.363	ug/l	95
20) Methylene Chloride	5.101	84	23680	5.350	ug/l	88
25) 2-Butanone	7.351	43	4910	1.689	ug/l	99
29) Tetrahydrofuran	7.694	42	2081	1.103	ug/l #	79
31) Cyclohexane	8.086	56	8301	1.036	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	30151	5.572	ug/l #	50
37) Ethyl Acetate	7.351	43	4910	0.879	ug/l #	68
38) Carbon Tetrachloride	8.088	117	38938	6.552	ug/l #	15
43) Isopropyl Acetate	8.563	43	39067	3.962	ug/l #	90
45) 1,2-Dichloropropane	9.622	63	2230	0.522	ug/l #	43
48) Methyl methacrylate	9.547	41	9032	1.950	ug/l #	13
49) 1,4-Dioxane	9.622	88	94	36.638	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	5807	1.016	ug/l #	79
54) cis-1,3-Dichloropropene	10.245	75	60948	8.551	ug/l #	58
57) 1,3-Dichloropropane	11.092	76	34439	4.997	ug/l #	42
59) 2-Hexanone	11.092	43	495887	120.947	ug/l #	50
76) 1,2,3-Trichloropropane	12.733	75	135863	27.668	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	135863	66.194	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.268	180	1310	2.922	ug/l #	79
95) Naphthalene	15.509	128	6453	4.368	ug/l	99
96) 1,2,3-Trichlorobenzene	15.705	180	1395	2.873	ug/l #	83

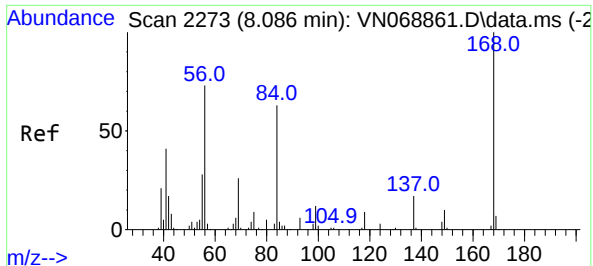
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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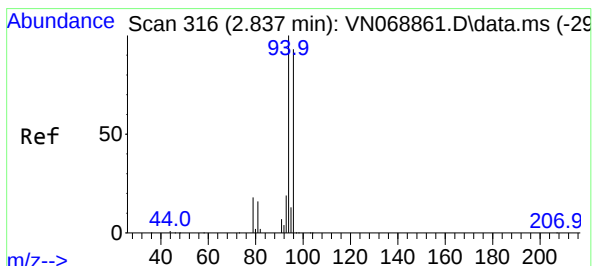
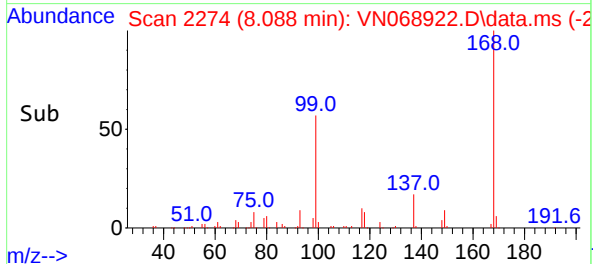
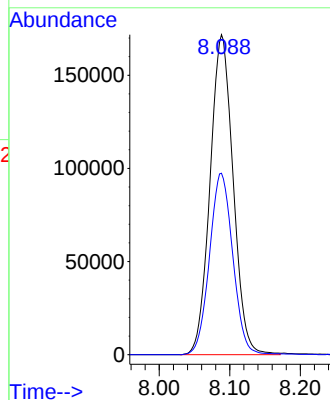
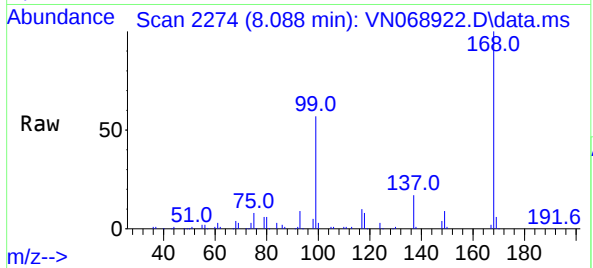




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

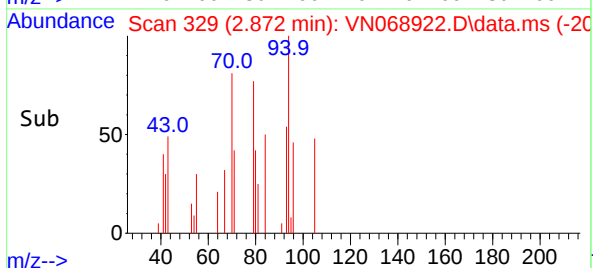
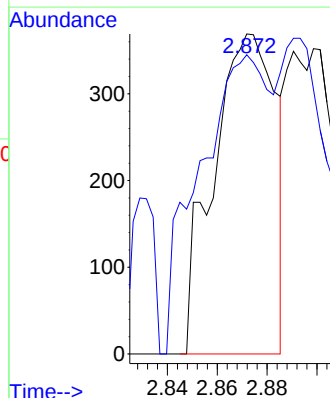
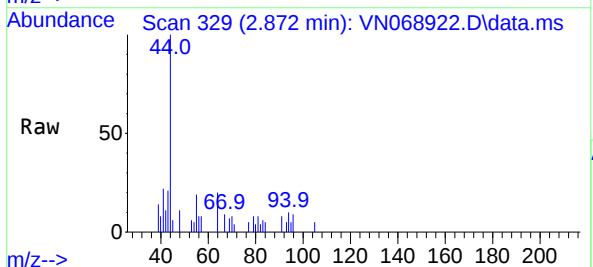
Instrument :
MSVOA_N
ClientSampled :

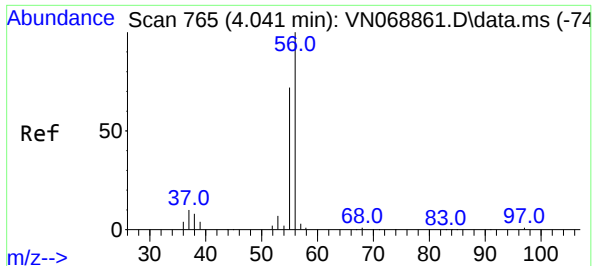
Tgt Ion:168 Resp: 390823
Ion Ratio Lower Upper
168 100
99 56.7 48.9 73.3



#5
Bromomethane
Concen: 0.238 ug/l
RT: 2.872 min Scan# 329
Delta R.T. 0.035 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

Tgt Ion: 94 Resp: 636
Ion Ratio Lower Upper
94 100
96 46.1 74.2 111.4#

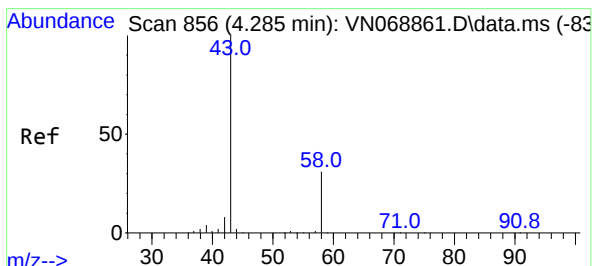
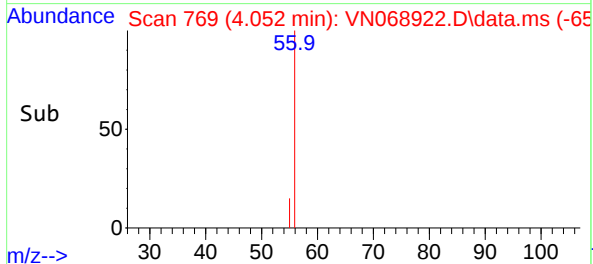
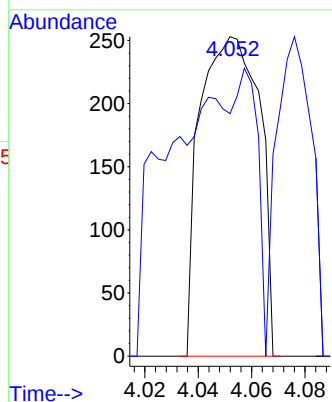
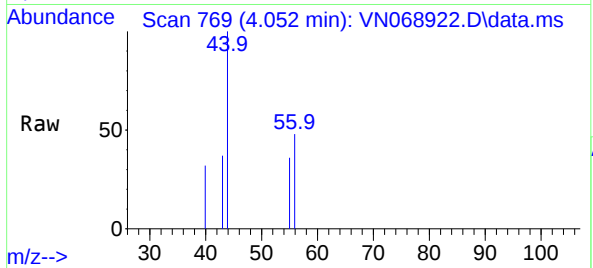




#13
Acrolein
Concen: 0.934 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.011 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

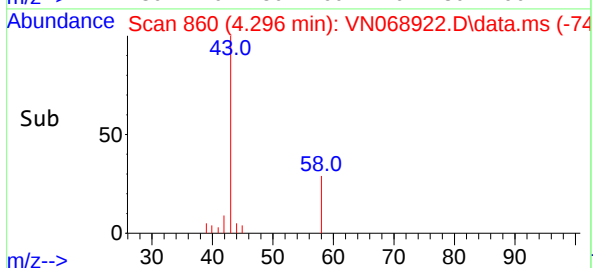
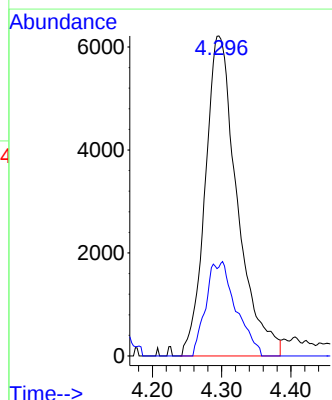
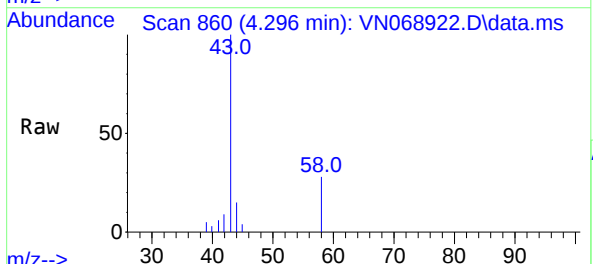
Instrument :
MSVOA_N
ClientSampled :

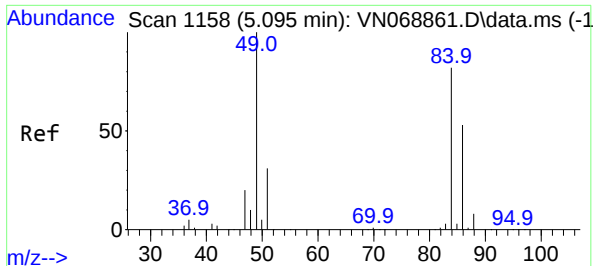
Tgt Ion: 56 Resp: 389
Ion Ratio Lower Upper
56 100
55 95.1 58.1 87.1#



#16
Acetone
Concen: 10.363 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

Tgt Ion: 43 Resp: 19927
Ion Ratio Lower Upper
43 100
58 27.8 24.5 36.7



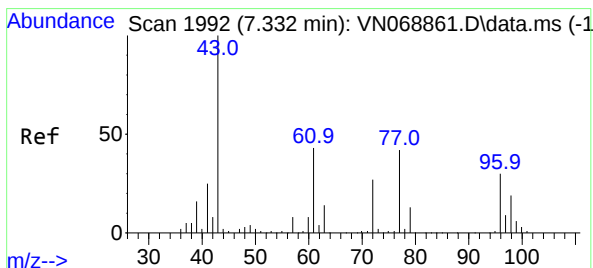
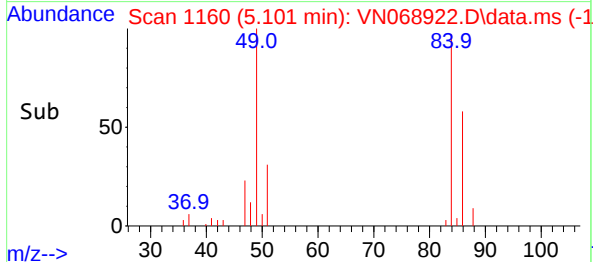
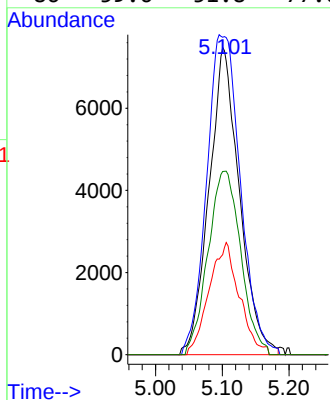
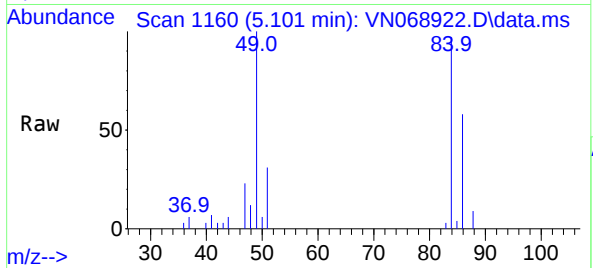


#20
Methylene Chloride
Concen: 5.350 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.005 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 84 Resp: 23680

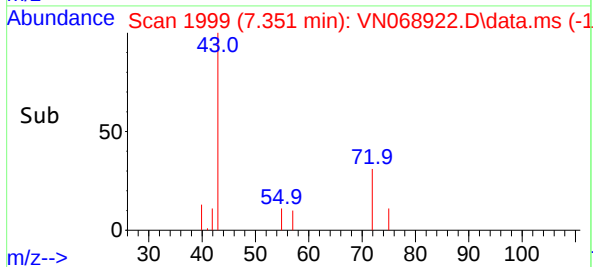
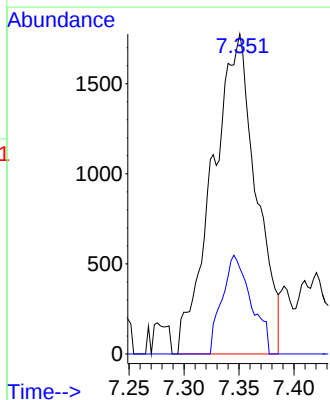
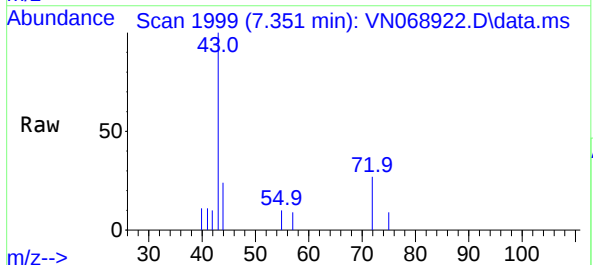
Ion	Ratio	Lower	Upper
84	100		
49	103.3	97.6	146.4
51	32.5	30.3	45.5
86	59.6	51.8	77.6

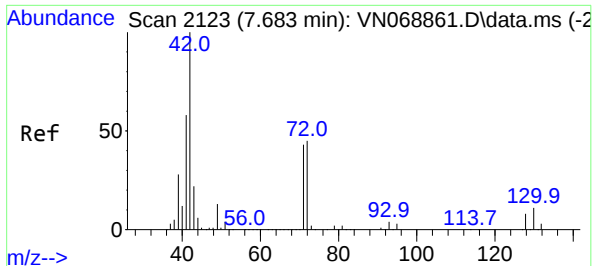


#25
2-Butanone
Concen: 1.689 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.019 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

Tgt Ion: 43 Resp: 4910

Ion	Ratio	Lower	Upper
43	100		
72	26.9	21.2	31.8

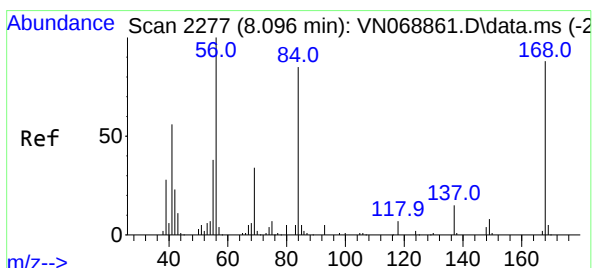
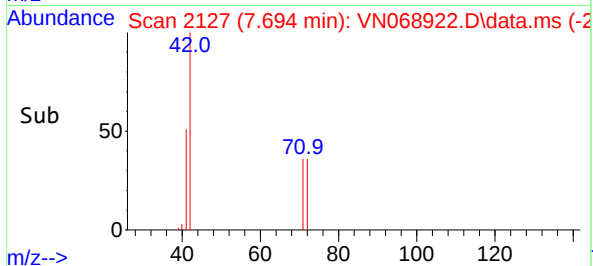
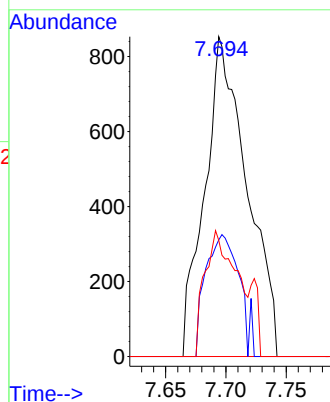
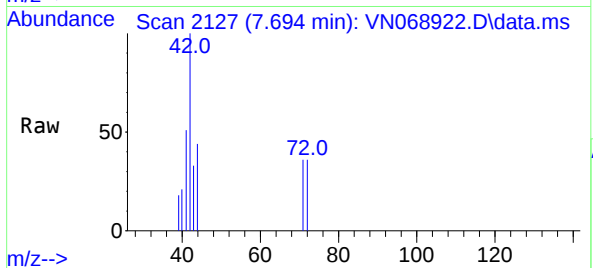




#29
Tetrahydrofuran
Concen: 1.103 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.011 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

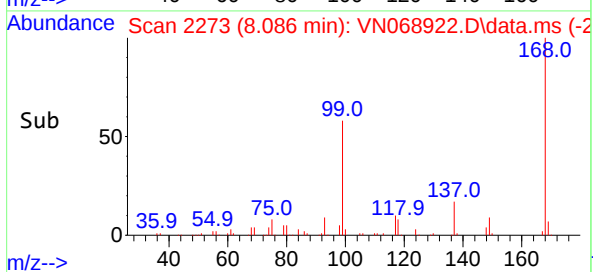
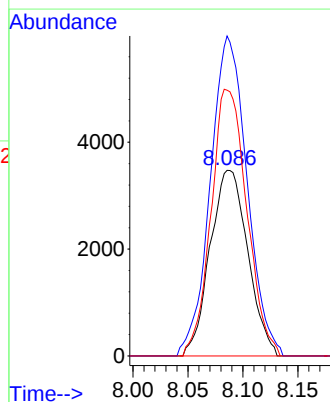
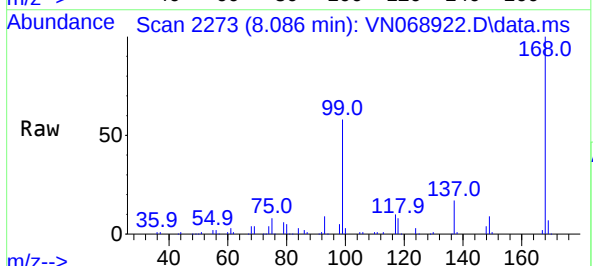
Instrument :
MSVOA_N
ClientSampled :

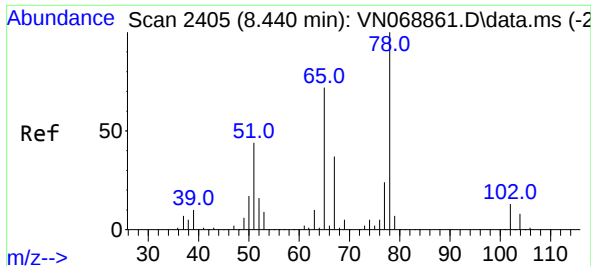
Tgt Ion: 42	Resp: 2081
Ion Ratio	Lower Upper
42 100	
72 30.4	35.4 53.2#
71 29.5	33.8 50.6#



#31
Cyclohexane
Concen: 1.036 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

Tgt Ion: 56	Resp: 8301
Ion Ratio	Lower Upper
56 100	
69 167.8	26.9 40.3#
84 143.1	67.6 101.4#



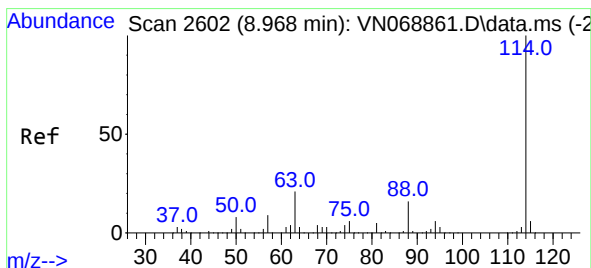
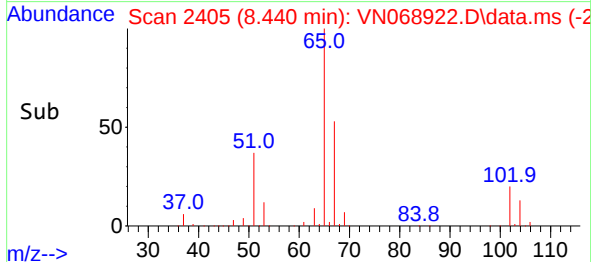
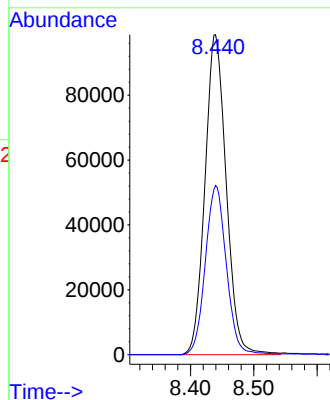
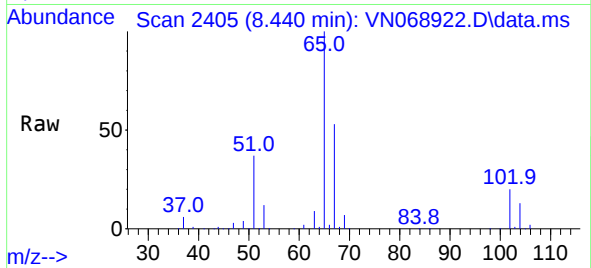


#33
 1,2-Dichloroethane-d4
 Concen: 44.582 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068922.D
 Acq: 14 Oct 2021 14:10

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 65 Resp: 229723

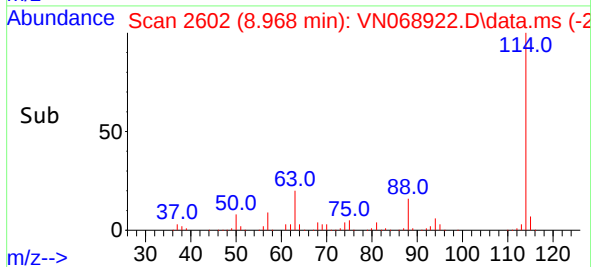
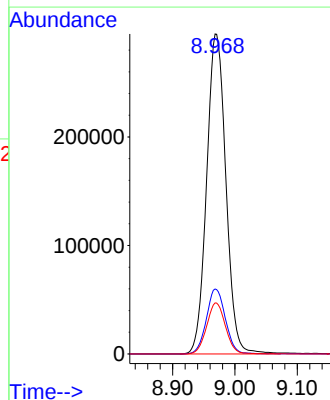
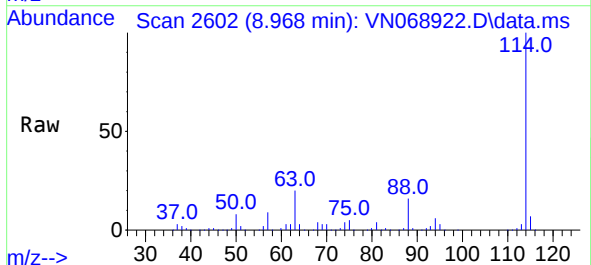
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.8

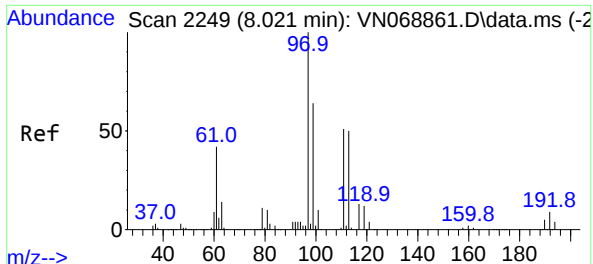


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. -0.000 min
 Lab File: VN068922.D
 Acq: 14 Oct 2021 14:10

Tgt Ion: 114 Resp: 633478

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	42.6
88	15.9	0.0	32.0

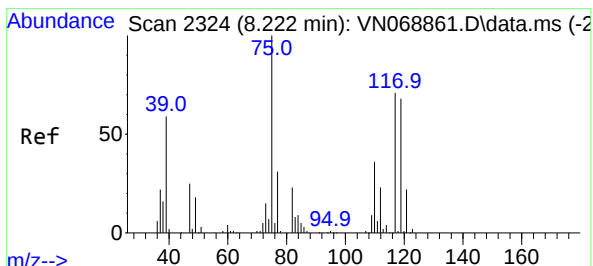
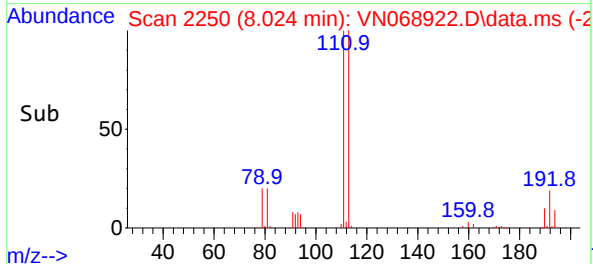
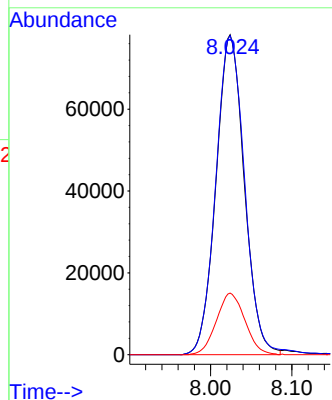
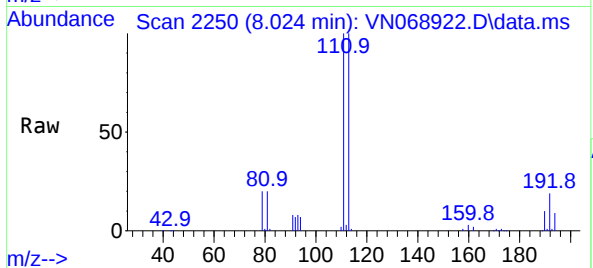




#35
Dibromofluoromethane
Concen: 51.228 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

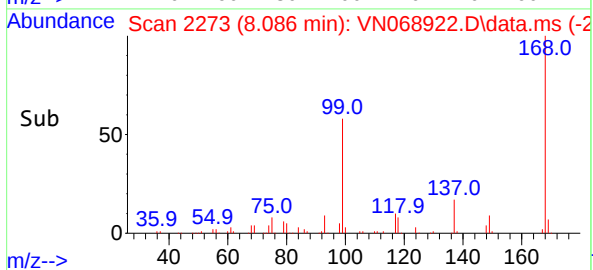
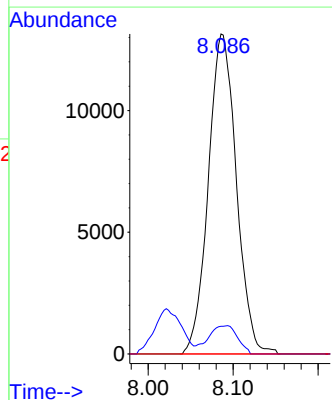
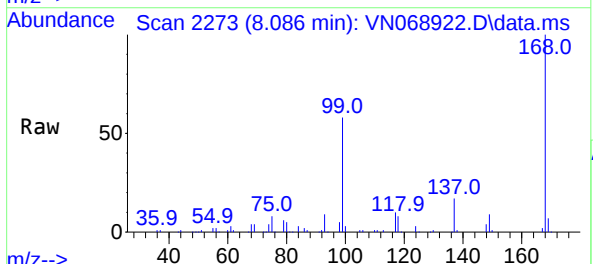
Instrument :
MSVOA_N
ClientSampleId :

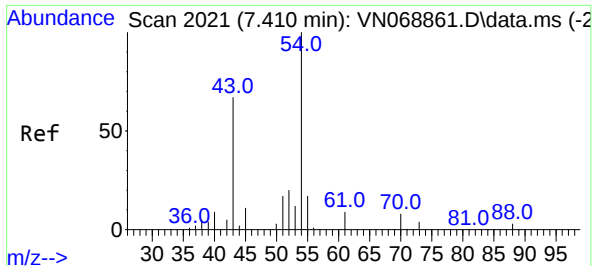
Tgt Ion:113 Resp: 188809
Ion Ratio Lower Upper
113 100
111 102.3 83.2 124.8
192 19.5 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.572 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

Tgt Ion: 75 Resp: 30151
Ion Ratio Lower Upper
75 100
110 9.2 17.9 53.8#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.879 ug/l

RT: 7.351 min Scan# 1999

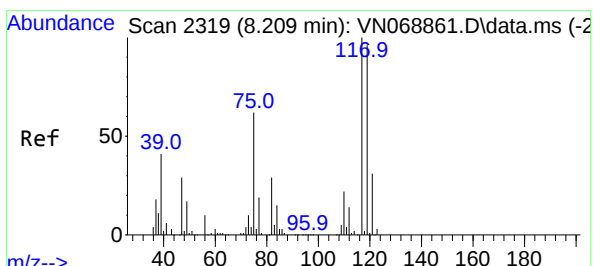
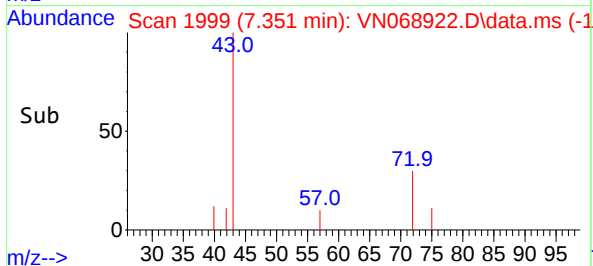
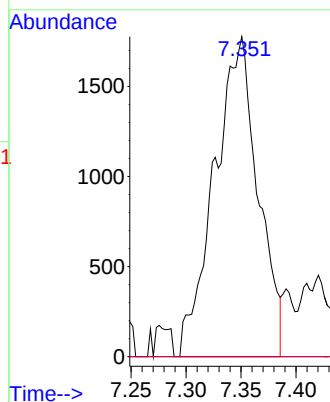
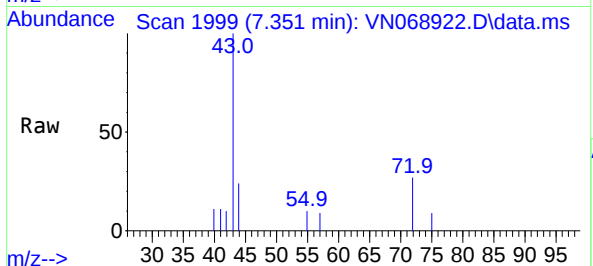
Delta R.T. -0.059 min

Lab File: VN068922.D

Acq: 14 Oct 2021 14:10

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	43	Resp:	4910
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	8.4	12.6#



#38

Carbon Tetrachloride

Concen: 6.552 ug/l

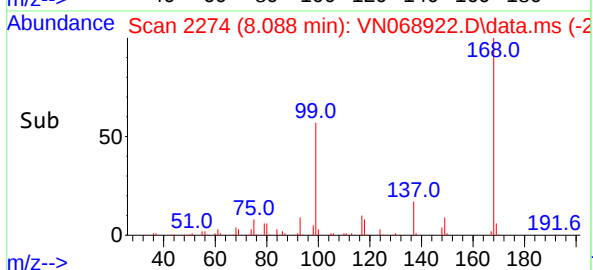
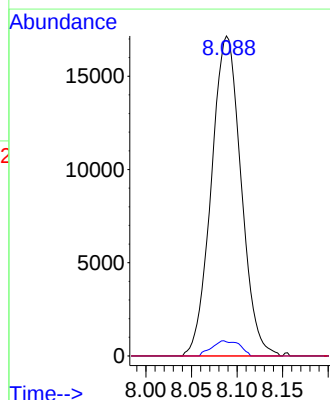
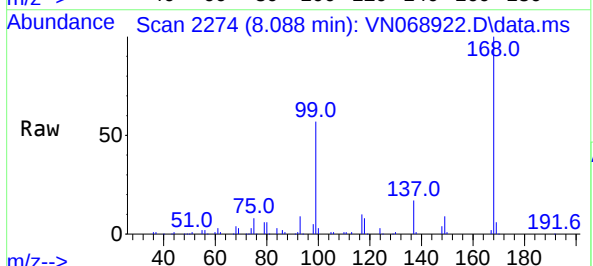
RT: 8.088 min Scan# 2274

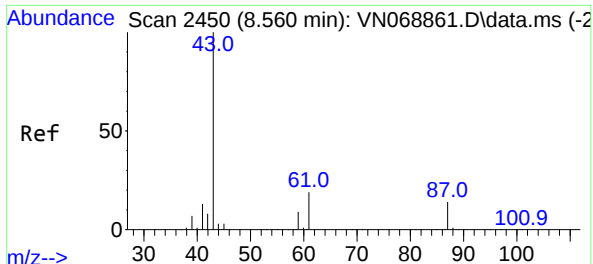
Delta R.T. -0.121 min

Lab File: VN068922.D

Acq: 14 Oct 2021 14:10

Tgt Ion:	117	Resp:	38938
Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.9	115.3#
121	0.0	24.6	37.0#

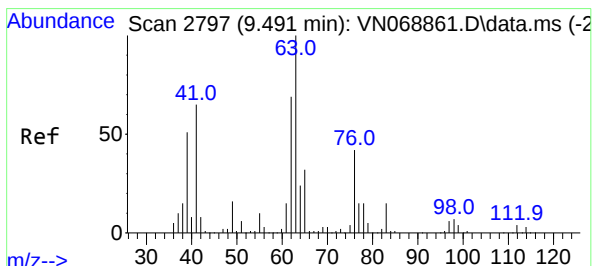
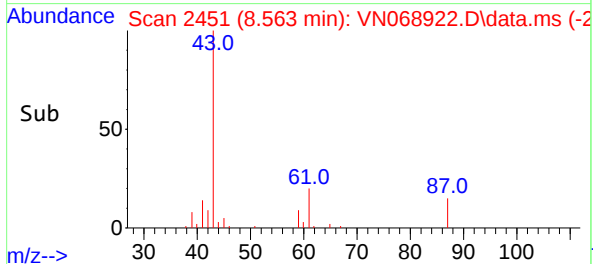
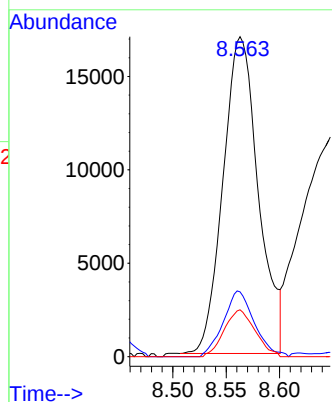
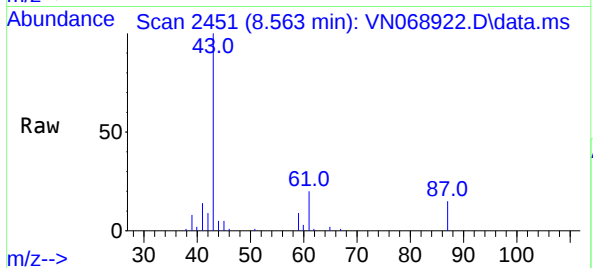




#43
Isopropyl Acetate
Concen: 3.962 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

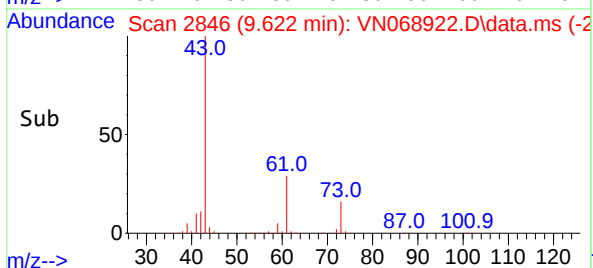
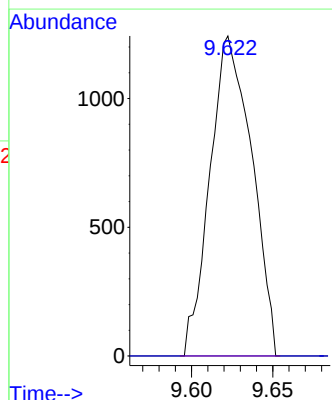
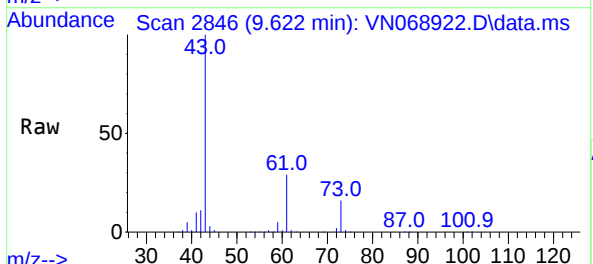
Instrument :
MSVOA_N
ClientSampled :

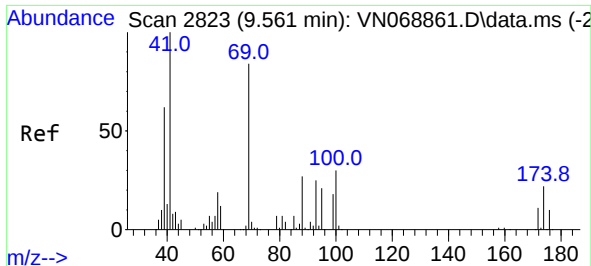
Tgt Ion: 43 Resp: 39067
Ion Ratio Lower Upper
43 100
61 18.2 20.4 30.6#
87 12.9 10.7 16.1



#45
1,2-Dichloropropane
Concen: 0.522 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

Tgt Ion: 63 Resp: 2230
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

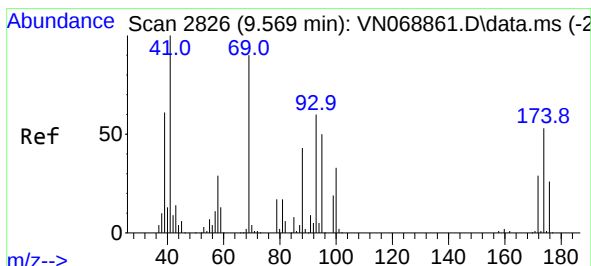
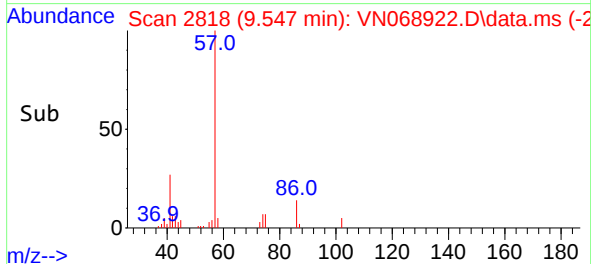
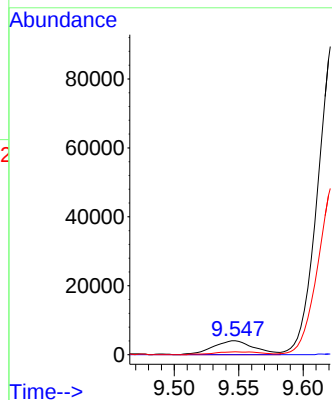
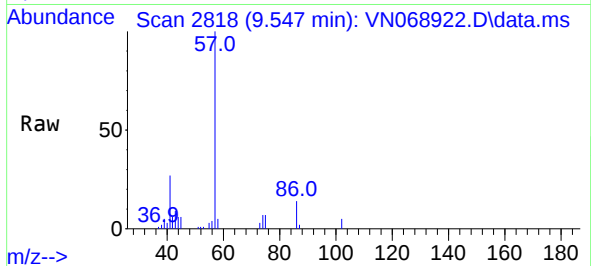




#48
Methyl methacrylate
Concen: 1.950 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

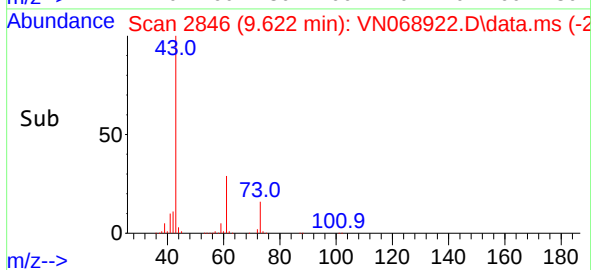
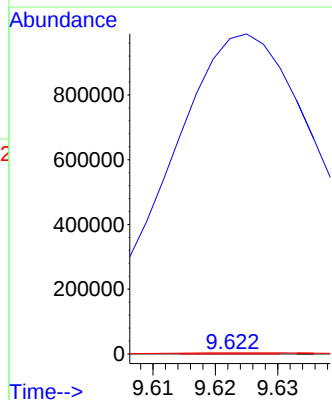
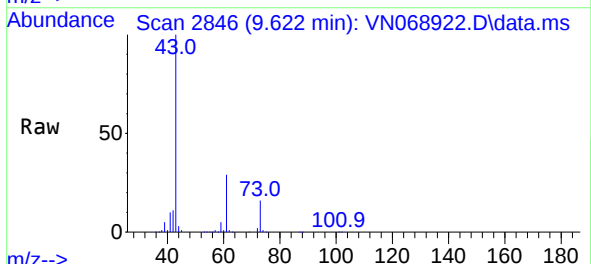
Instrument :
MSVOA_N
ClientSampled :

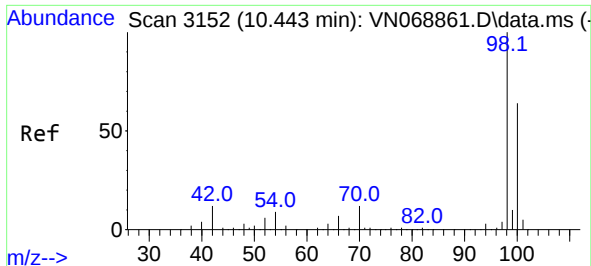
Tgt Ion: 41 Resp: 9032
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 36.638 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

Tgt Ion: 88 Resp: 94
Ion Ratio Lower Upper
88 100
43 2005542.6 24.9 37.3#
58 7562.8 56.9 85.3#

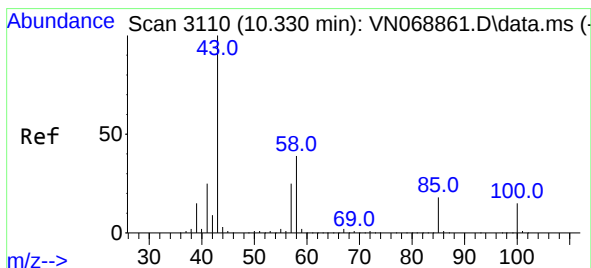
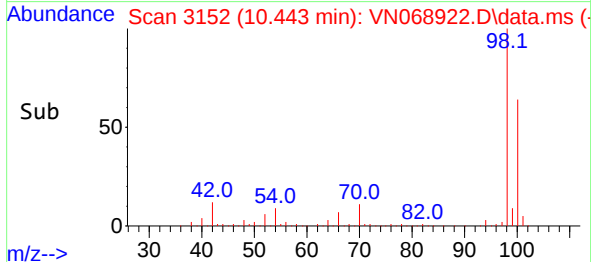
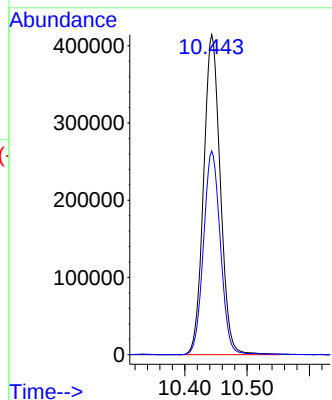
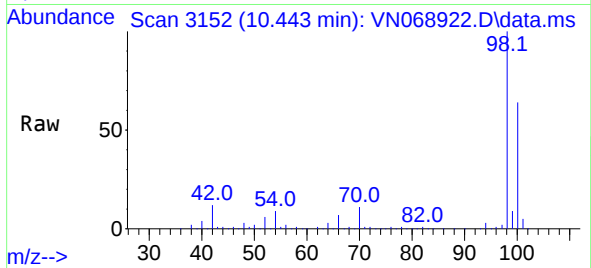




#50
Toluene-d8
Concen: 52.373 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

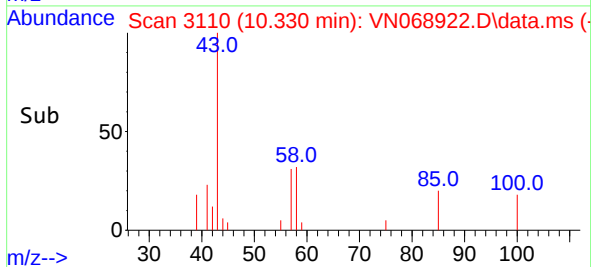
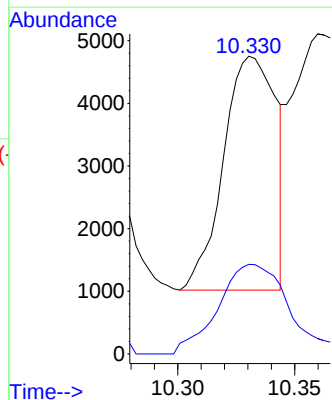
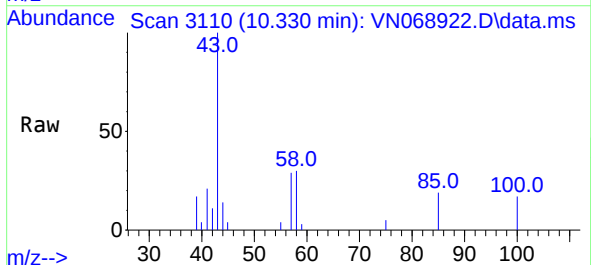
Instrument :
MSVOA_N
ClientSampled :

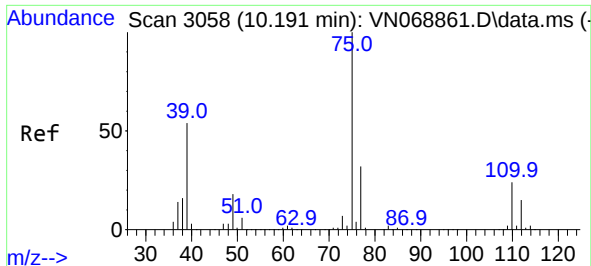
Tgt Ion: 98 Resp: 772341
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.016 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.000 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

Tgt Ion: 43 Resp: 5807
Ion Ratio Lower Upper
43 100
58 51.5 31.0 46.4#

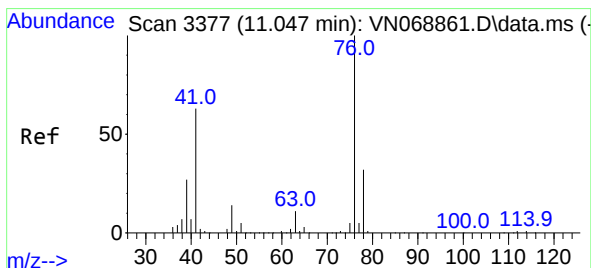
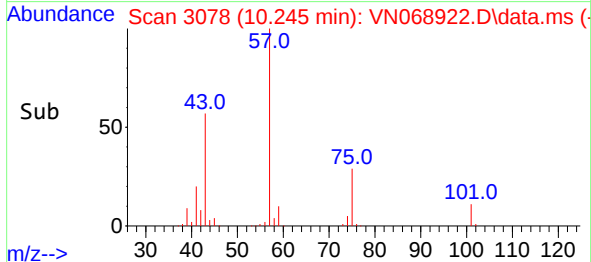
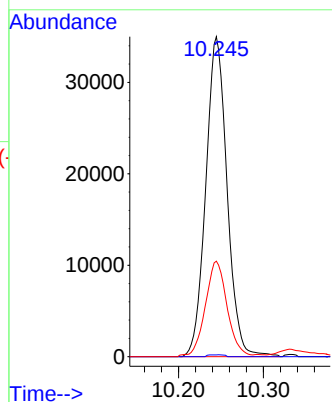
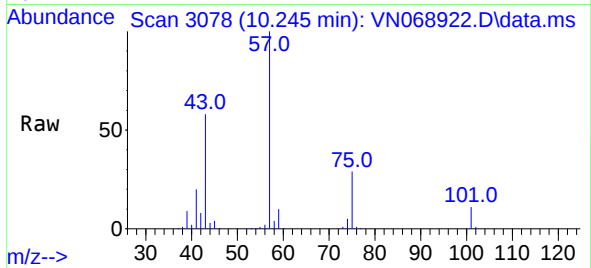




#54
 cis-1,3-Dichloropropene
 Concen: 8.551 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN068922.D
 Acq: 14 Oct 2021 14:10

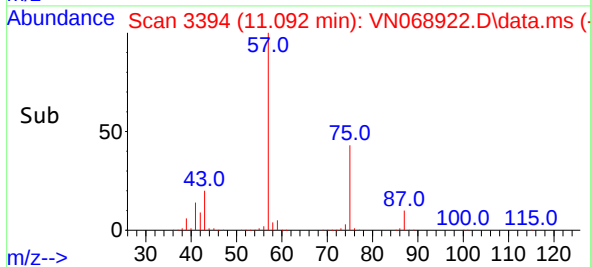
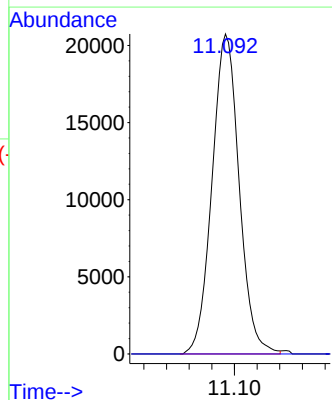
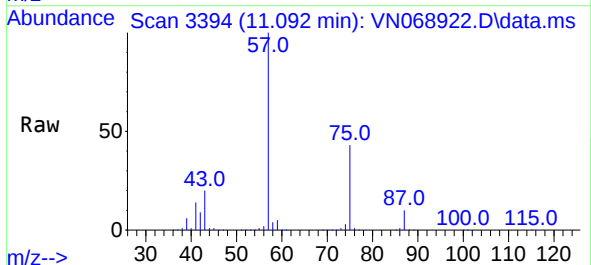
Instrument :
 MSVOA_N
 ClientSampleId :

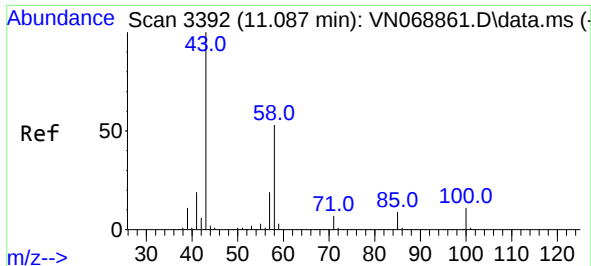
Tgt Ion: 75 Resp: 60948
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.6 38.4#
 39 29.4 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 4.997 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN068922.D
 Acq: 14 Oct 2021 14:10

Tgt Ion: 76 Resp: 34439
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

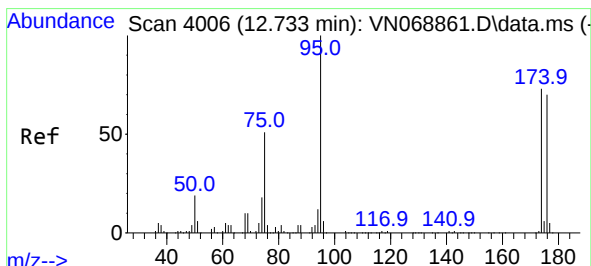
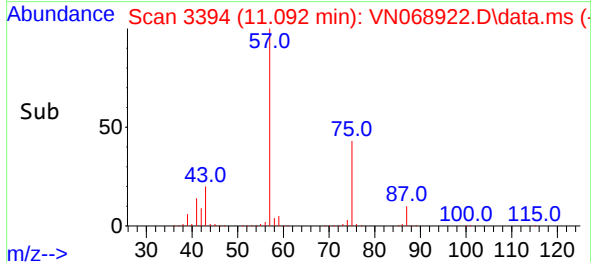
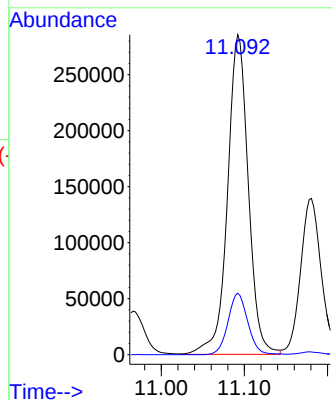
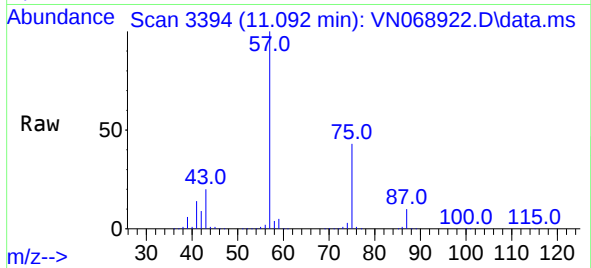




#59
2-Hexanone
Concen: 120.947 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

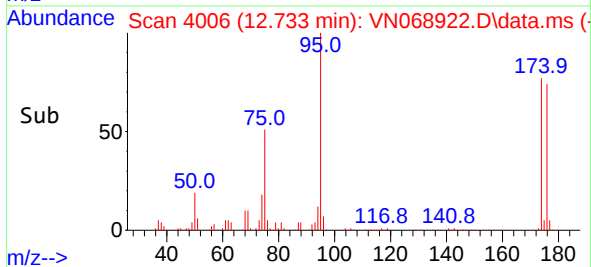
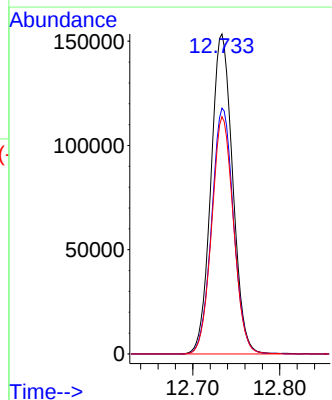
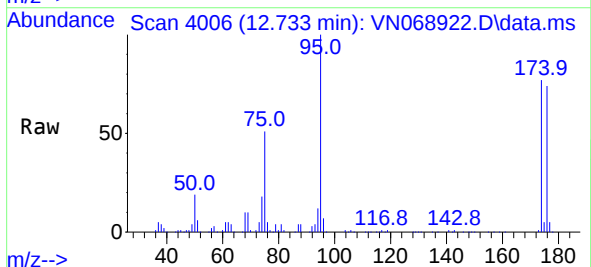
Instrument :
MSVOA_N
ClientSampled :

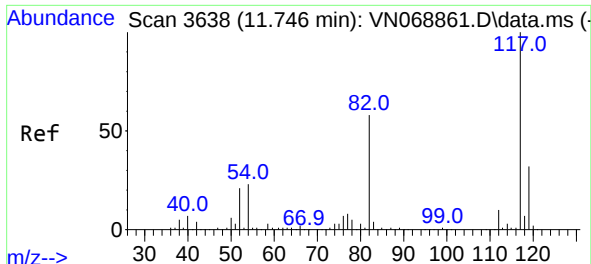
Tgt Ion: 43 Resp: 495887
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 47.921 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

Tgt Ion: 95 Resp: 266621
Ion Ratio Lower Upper
95 100
174 77.3 0.0 144.8
176 74.2 0.0 140.0

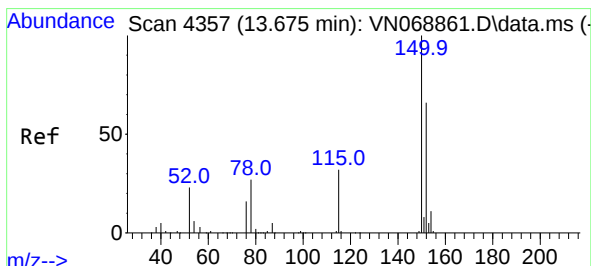
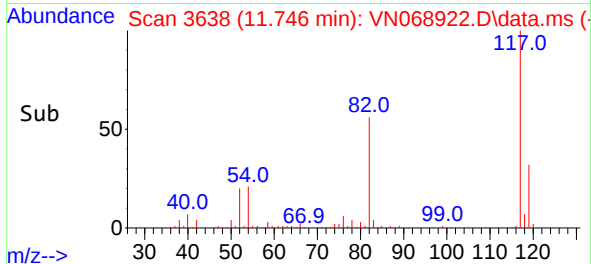
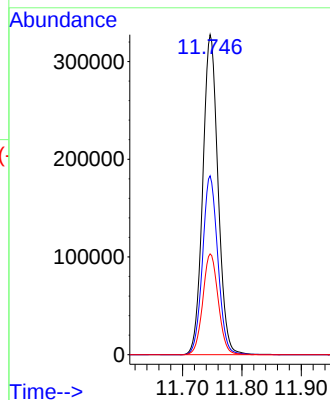
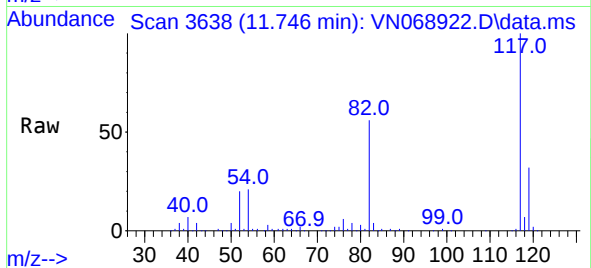




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

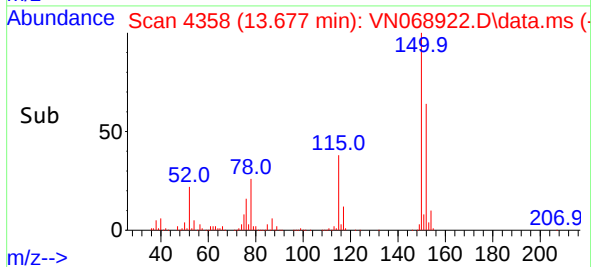
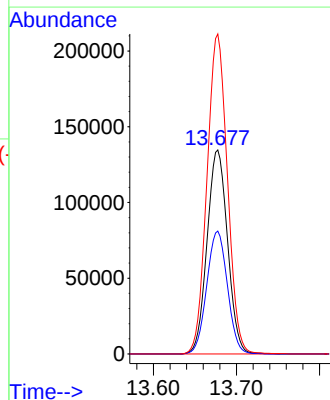
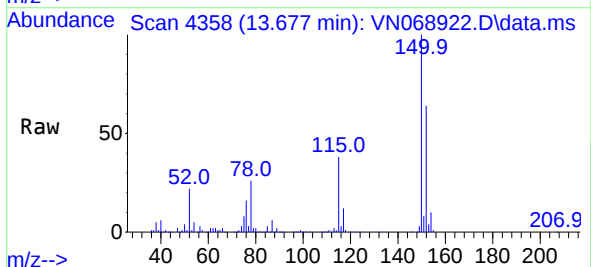
Instrument :
MSVOA_N
ClientSampled :

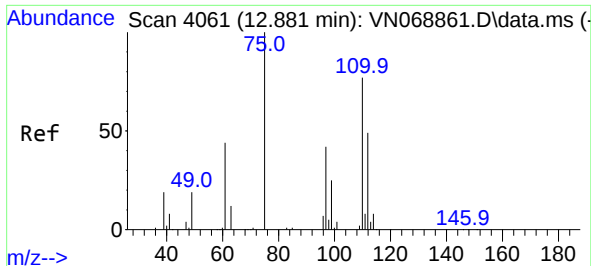
Tgt Ion:117 Resp: 584771
Ion Ratio Lower Upper
117 100
82 55.9 46.4 69.6
119 31.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

Tgt Ion:152 Resp: 230788
Ion Ratio Lower Upper
152 100
115 60.7 31.4 94.3
150 156.2 0.0 351.0

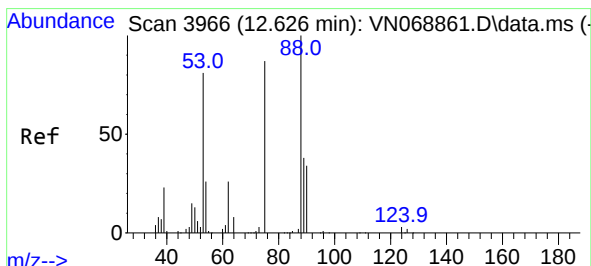
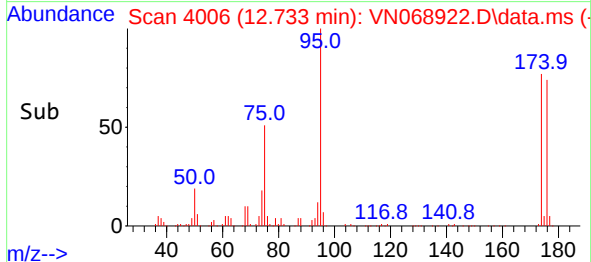
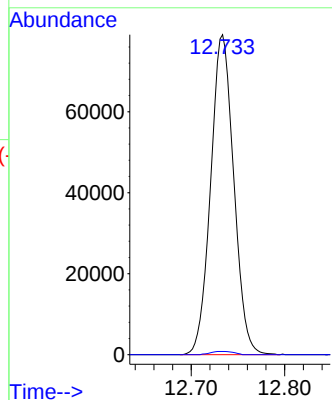
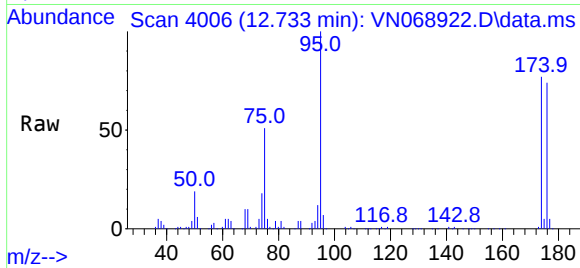




#76
1,2,3-Trichloropropane
Concen: 27.668 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

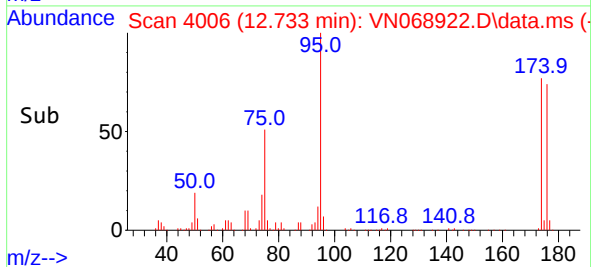
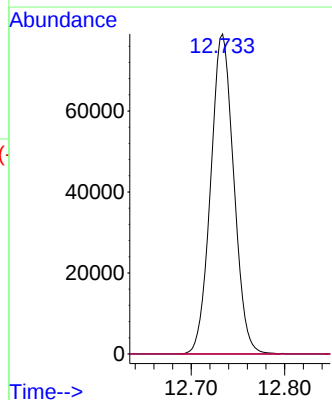
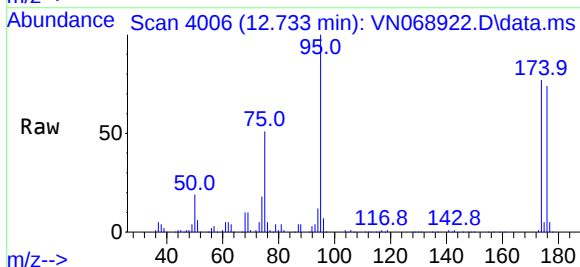
Instrument :
MSVOA_N
ClientSampled :

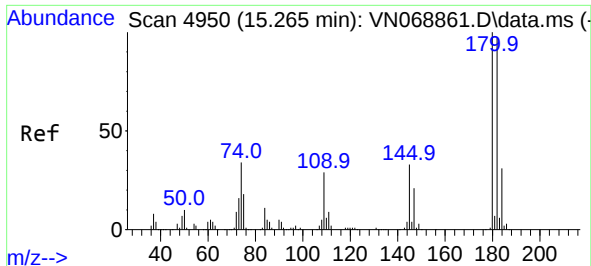
Tgt Ion: 75 Resp: 135863
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.194 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

Tgt Ion: 75 Resp: 135863
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

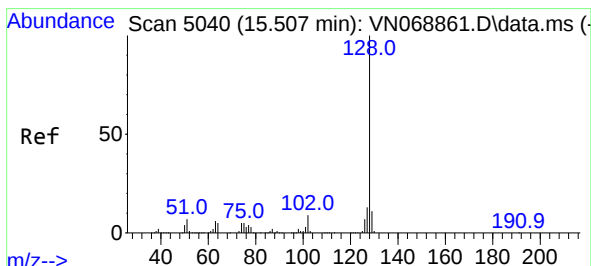
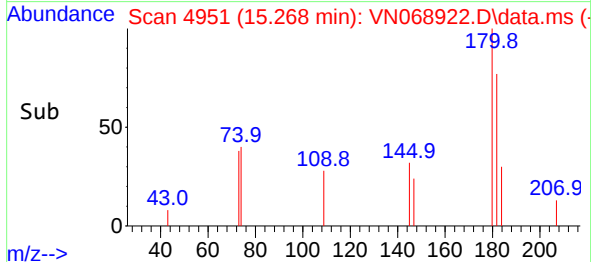
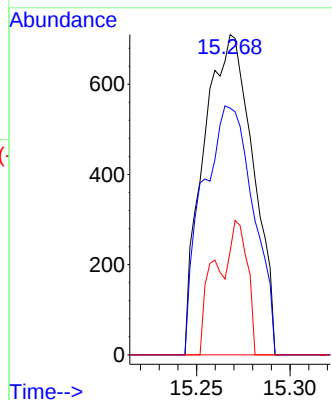
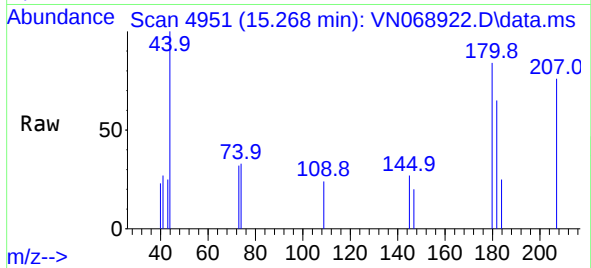




#93
1,2,4-Trichlorobenzene
Concen: 2.922 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

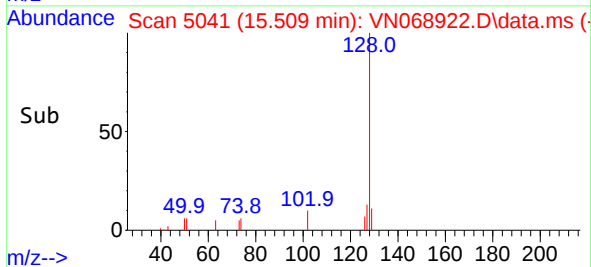
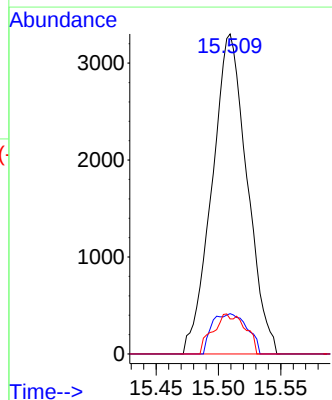
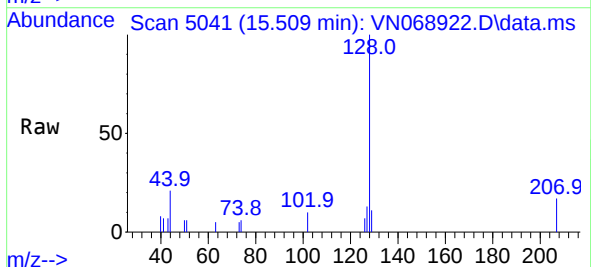
Instrument :
MSVOA_N
ClientSampled :

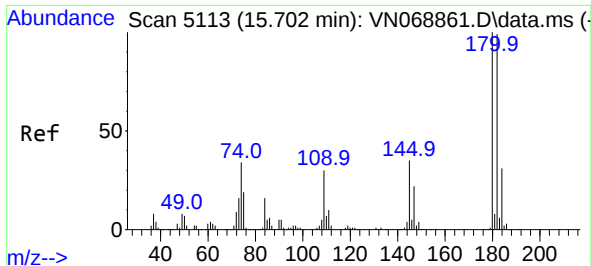
Tgt Ion:180 Resp: 1310
Ion Ratio Lower Upper
180 100
182 79.3 47.9 143.7
145 15.0 16.4 49.2#



#95
Naphthalene
Concen: 4.368 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068922.D
Acq: 14 Oct 2021 14:10

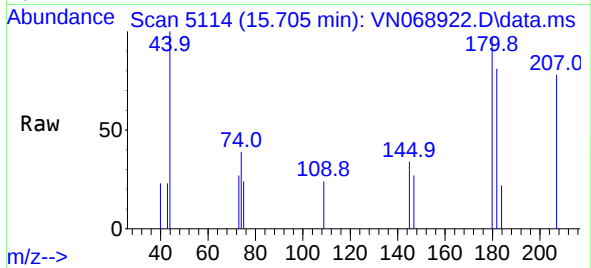
Tgt Ion:128 Resp: 6453
Ion Ratio Lower Upper
128 100
127 12.6 10.5 15.7
129 11.5 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 2.873 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN068922.D
 Acq: 14 Oct 2021 14:10

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1395
 Ion Ratio Lower Upper
 180 100
 182 88.0 48.1 144.3
 145 11.3 17.4 52.2#

