

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101421\
 Data File : VN068929.D
 Acq On : 14 Oct 2021 17:06
 Operator : JC/MD
 Sample : M4192-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 14 22:47:43 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)

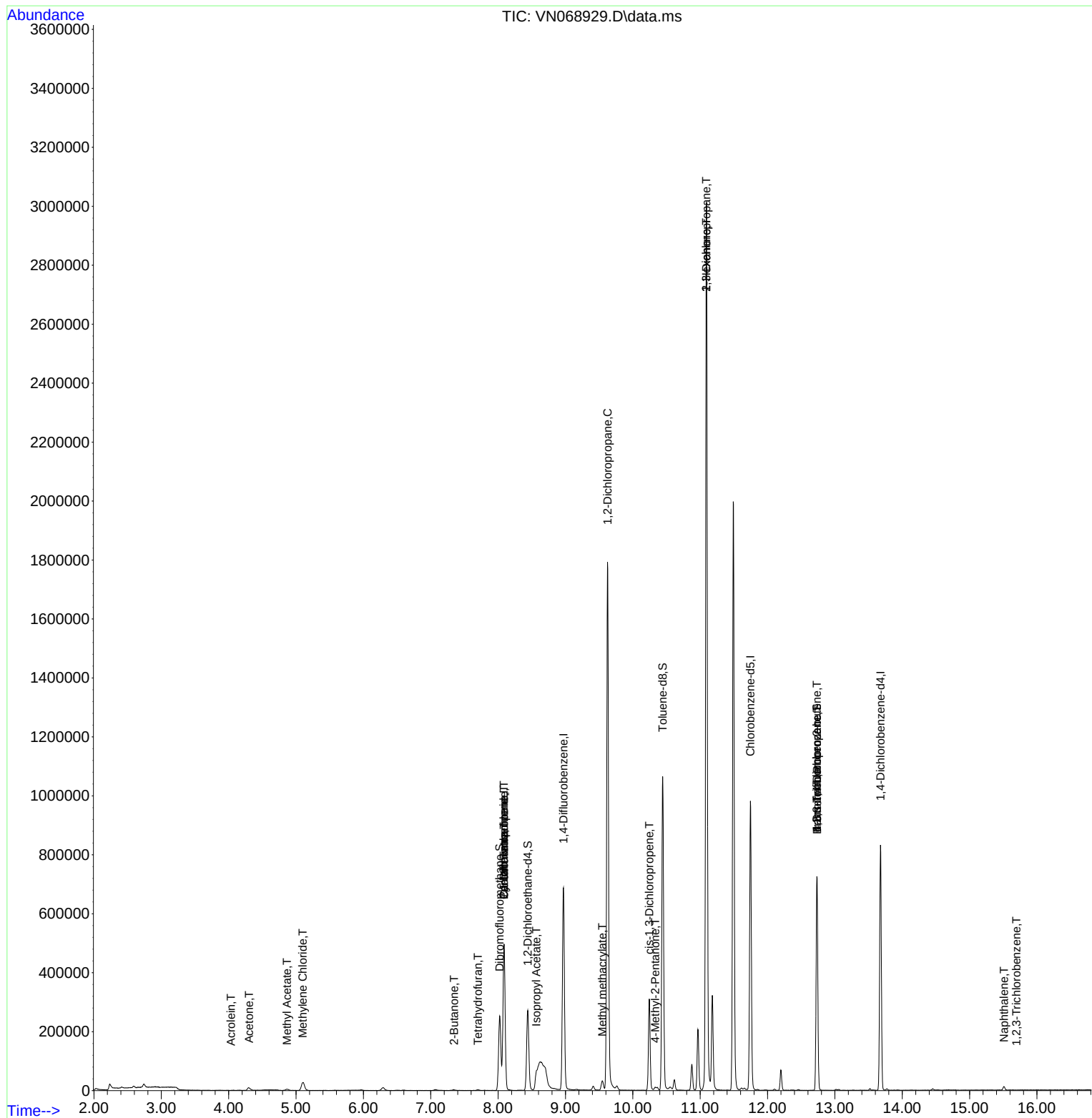
Internal Standards						
1) Pentafluorobenzene	8.088	168	382342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.970	114	627585	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	577052	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	230520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.439	65	226607	44.952	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.900%		
35) Dibromofluoromethane	8.024	113	185600	50.831	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.660%		
50) Toluene-d8	10.443	98	759461	51.984	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.960%		
62) 4-Bromofluorobenzene	12.733	95	260489	47.258	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.520%		
Target Compounds						Qvalue
13) Acrolein	4.036	56	98	0.241	ug/l #	13
16) Acetone	4.301	43	17485	9.294	ug/l	99
18) Methyl Acetate	4.867	43	8535	1.196	ug/l #	89
20) Methylene Chloride	5.100	84	23866	5.512	ug/l	89
25) 2-Butanone	7.345	43	4449	1.564	ug/l	93
29) Tetrahydrofuran	7.699	42	1764	0.956	ug/l #	85
31) Cyclohexane	8.088	56	7859	1.003	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	28770	5.367	ug/l #	50
38) Carbon Tetrachloride	8.088	117	39185	6.656	ug/l #	15
43) Isopropyl Acetate	8.568	43	56378	5.771	ug/l #	81
45) 1,2-Dichloropropane	9.628	63	2231	0.527	ug/l #	43
48) Methyl methacrylate	9.547	41	8849	1.928	ug/l #	13
51) 4-Methyl-2-Pentanone	10.333	43	4756	0.840	ug/l #	65
54) cis-1,3-Dichloropropene	10.244	75	59022	8.358	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	33764	4.945	ug/l #	42
59) 2-Hexanone	11.092	43	472085	116.223	ug/l #	51
71) Bromoform	12.736	173	2222	0.649	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	133987	27.317	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	133987	65.355	ug/l #	12
95) Naphthalene	15.512	128	12536	4.894	ug/l	97
96) 1,2,3-Trichlorobenzene	15.697	180	52	2.527	ug/l #	12

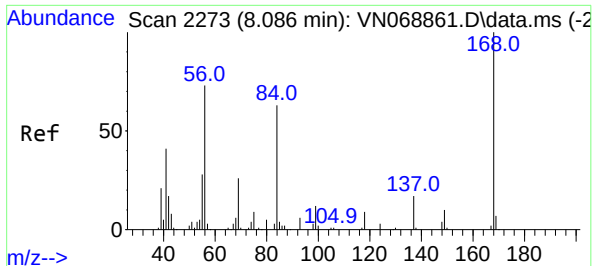
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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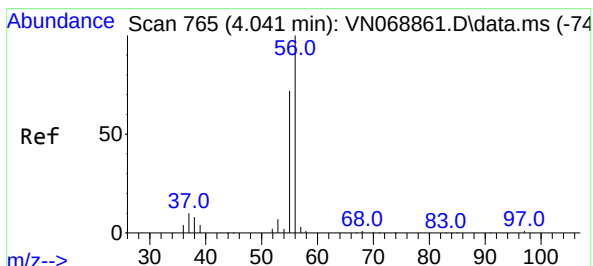
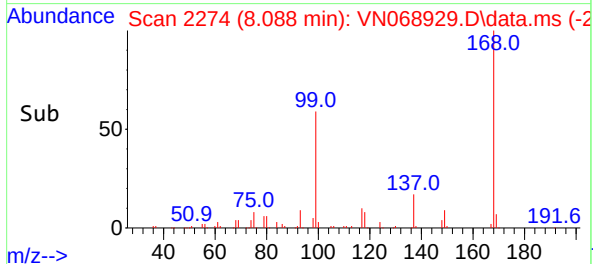
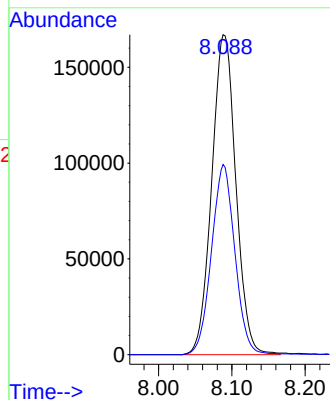
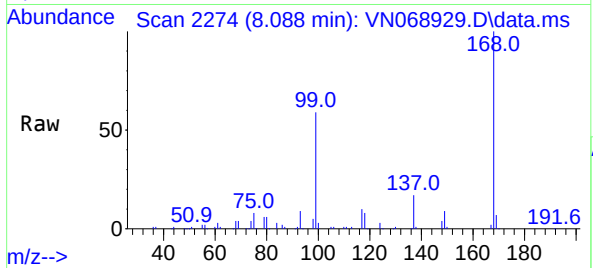




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

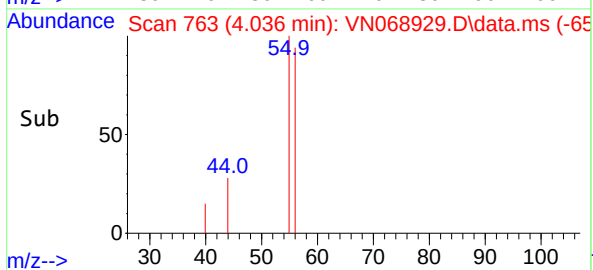
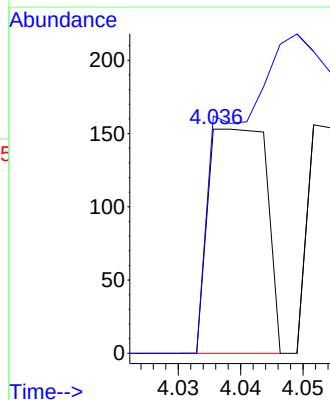
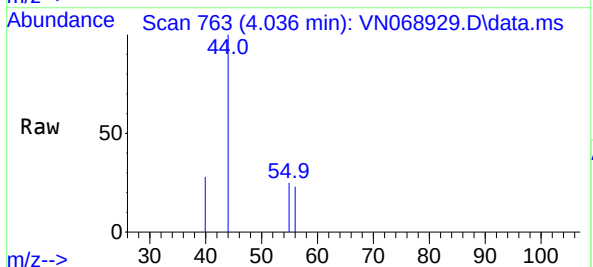
Instrument :
MSVOA_N
ClientSampled :

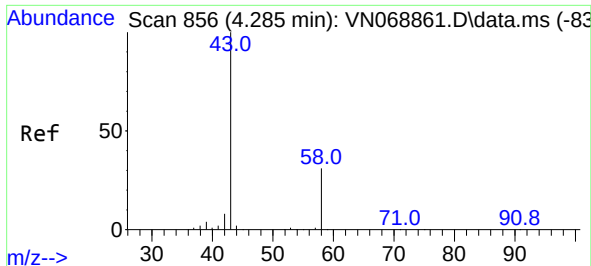
Tgt Ion:168 Resp: 382342
Ion Ratio Lower Upper
168 100
99 59.4 48.9 73.3



#13
Acrolein
Concen: 0.241 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.006 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

Tgt Ion: 56 Resp: 98
Ion Ratio Lower Upper
56 100
55 0.0 58.1 87.1#

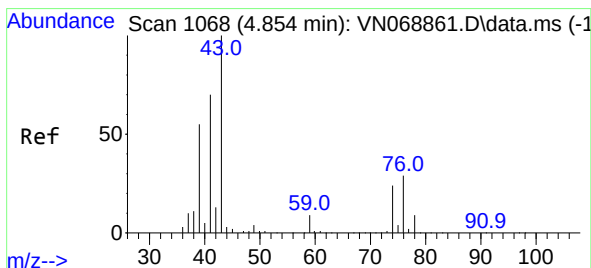
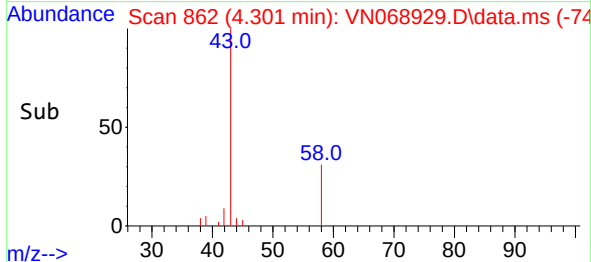
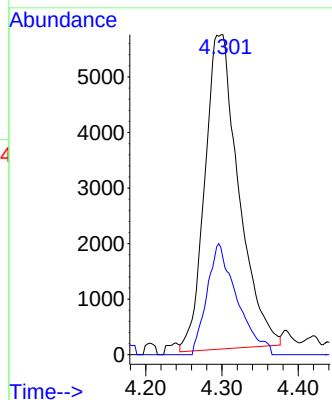
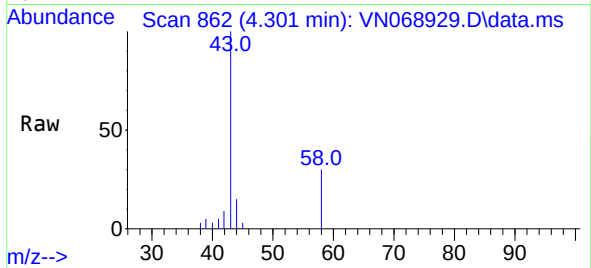




#16
Acetone
Concen: 9.294 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.016 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

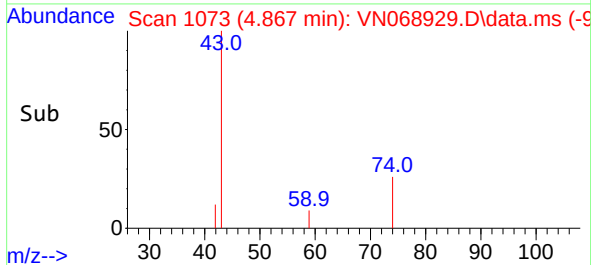
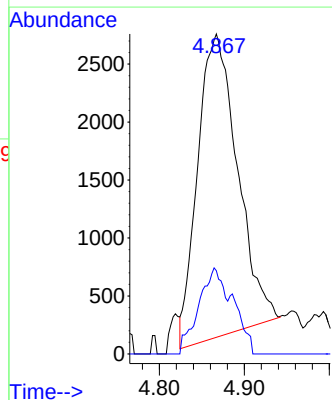
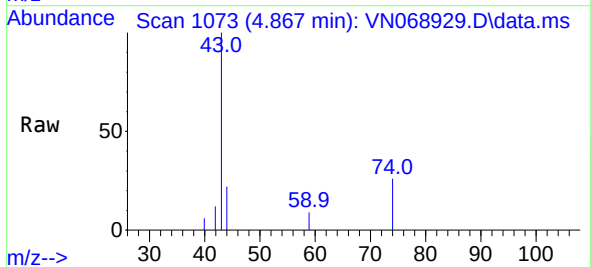
Instrument :
MSVOA_N
ClientSampled :

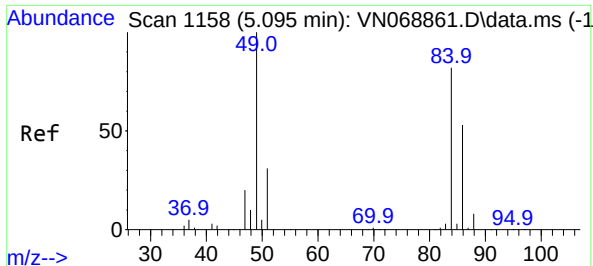
Tgt Ion: 43 Resp: 17485
Ion Ratio Lower Upper
43 100
58 31.2 24.5 36.7



#18
Methyl Acetate
Concen: 1.196 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

Tgt Ion: 43 Resp: 8535
Ion Ratio Lower Upper
43 100
74 18.2 18.9 28.3#



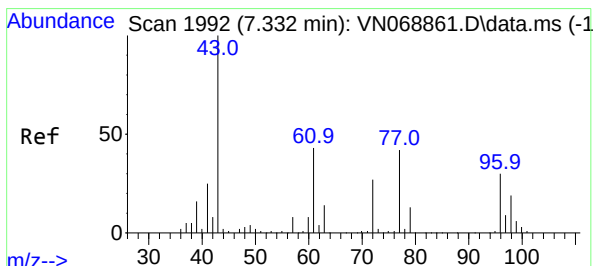
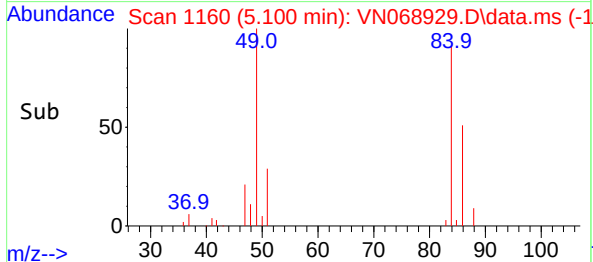
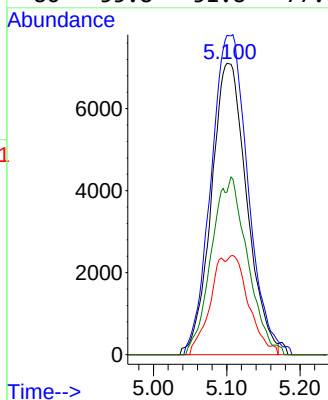
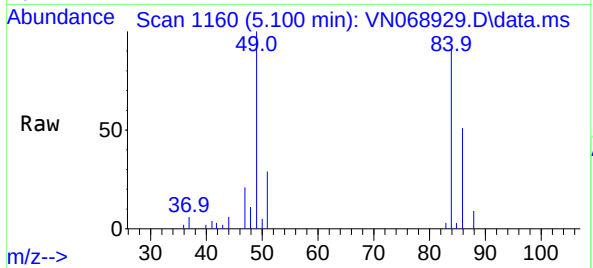


#20
Methylene Chloride
Concen: 5.512 ug/l
RT: 5.100 min Scan# 1160
Delta R.T. 0.005 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 84 Resp: 23866

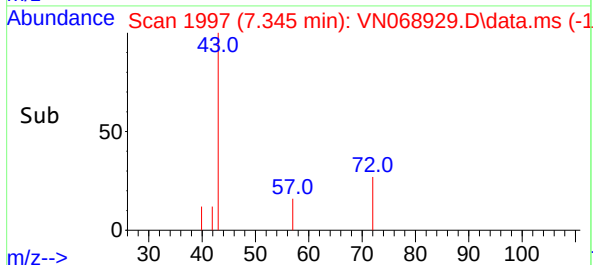
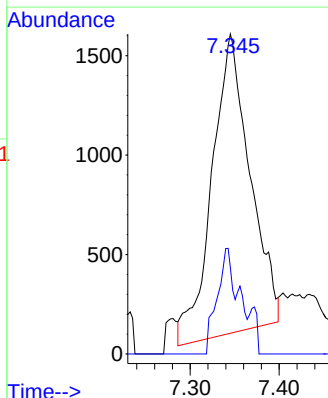
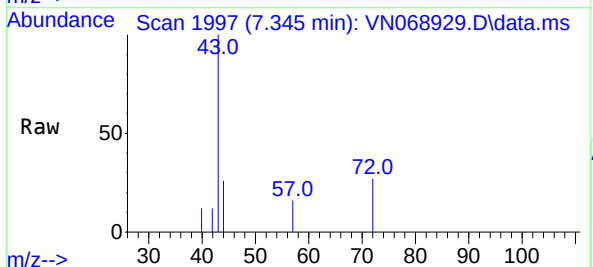
Ion	Ratio	Lower	Upper
84	100		
49	109.6	97.6	146.4
51	32.3	30.3	45.5
86	55.8	51.8	77.6

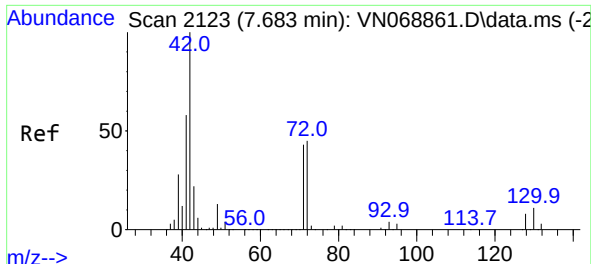


#25
2-Butanone
Concen: 1.564 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.013 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

Tgt Ion: 43 Resp: 4449

Ion	Ratio	Lower	Upper
43	100		
72	30.1	21.2	31.8



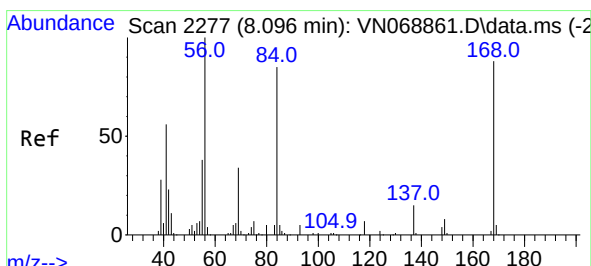
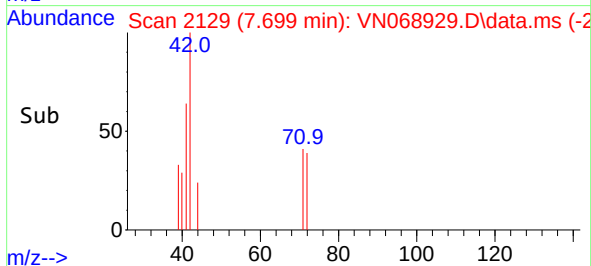
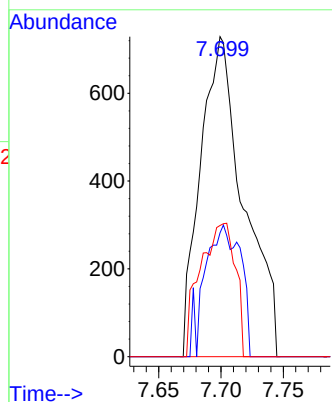
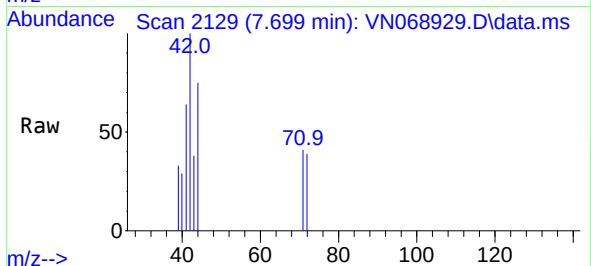


#29
Tetrahydrofuran
Concen: 0.956 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.016 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 42 Resp: 1764

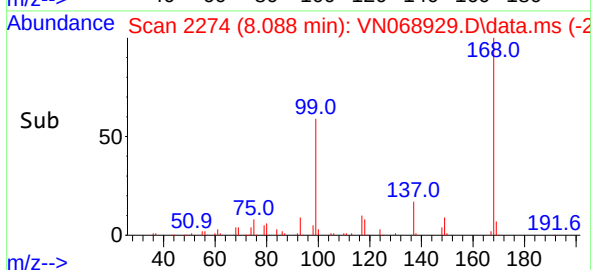
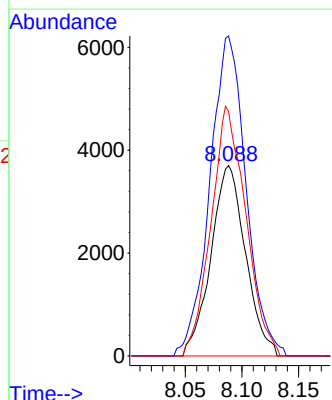
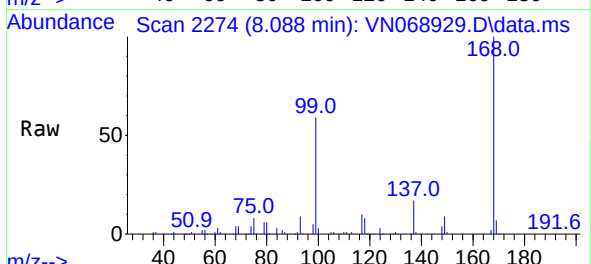
Ion	Ratio	Lower	Upper
42	100		
72	33.6	35.4	53.2#
71	33.7	33.8	50.6#

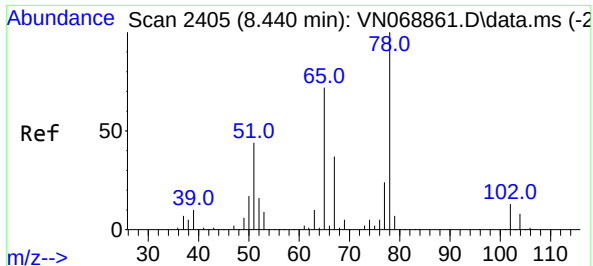


#31
Cyclohexane
Concen: 1.003 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

Tgt Ion: 56 Resp: 7859

Ion	Ratio	Lower	Upper
56	100		
69	163.4	26.9	40.3#
84	128.5	67.6	101.4#



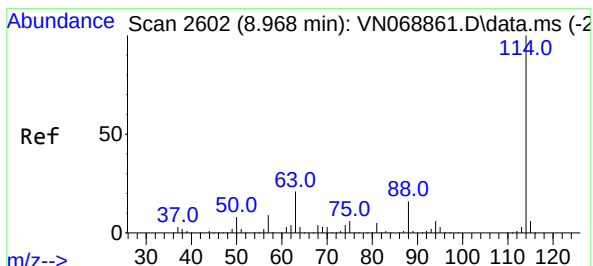
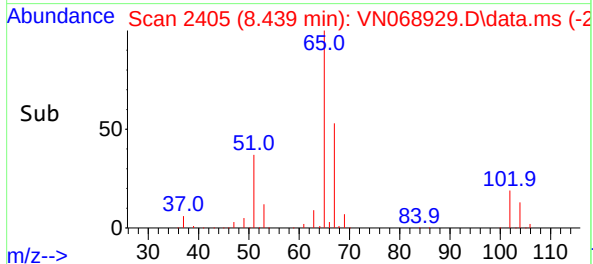
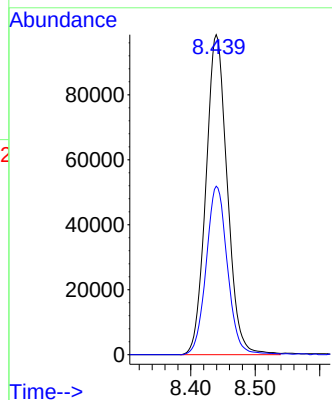
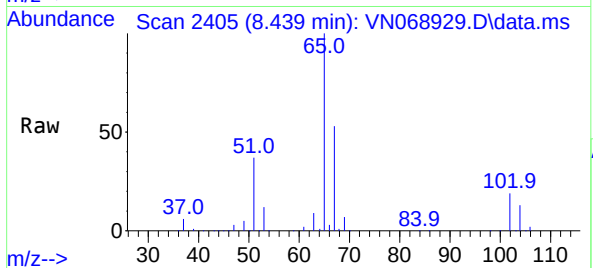


#33

1,2-Dichloroethane-d4
Concen: 44.952 ug/l
RT: 8.439 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

Instrument :
MSVOA_N
ClientSampled :

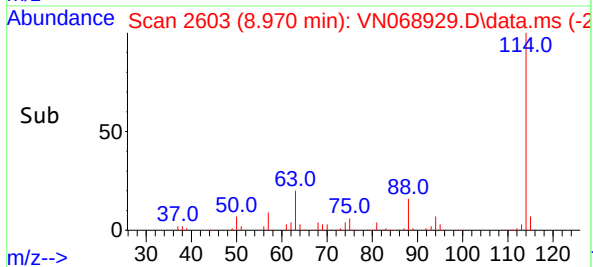
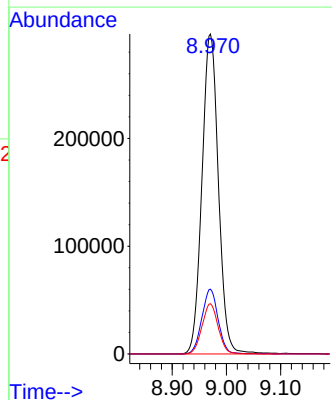
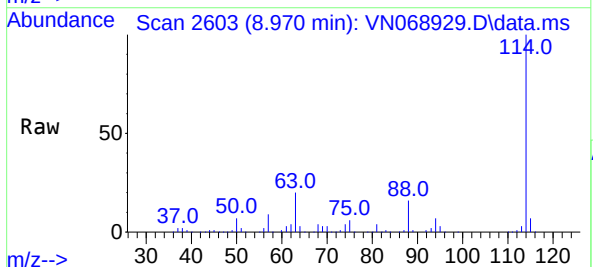
Tgt Ion: 65 Resp: 226607
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.8

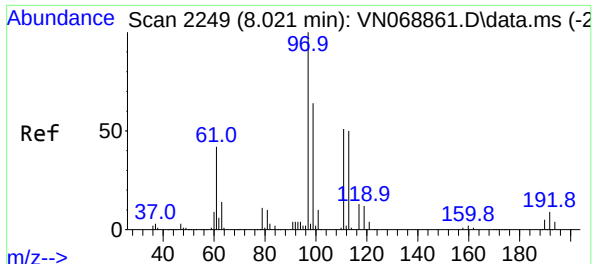


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.970 min Scan# 2603
Delta R.T. 0.002 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

Tgt Ion: 114 Resp: 627585
Ion Ratio Lower Upper
114 100
63 20.3 0.0 42.6
88 15.7 0.0 32.0

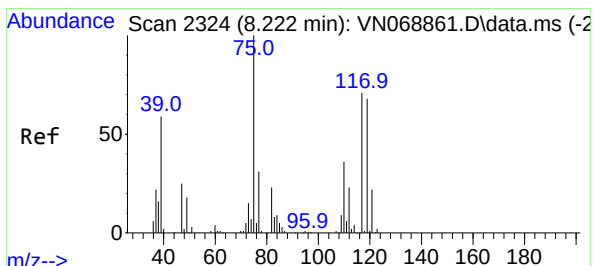
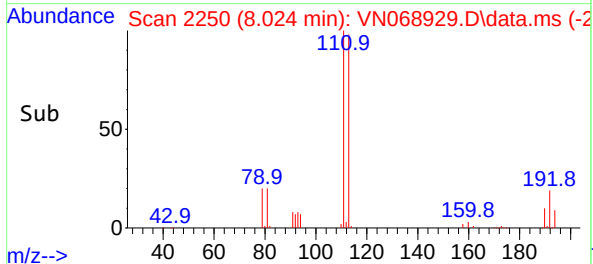
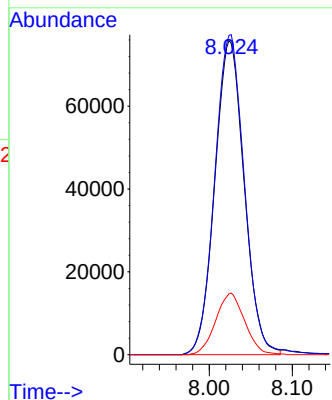
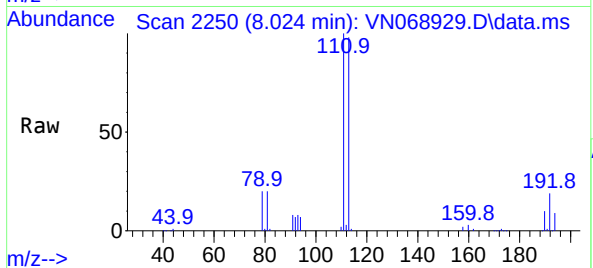




#35
Dibromofluoromethane
Concen: 50.831 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.002 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

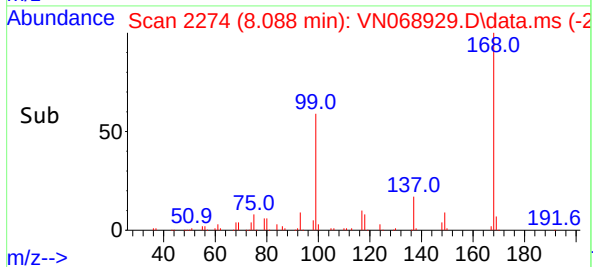
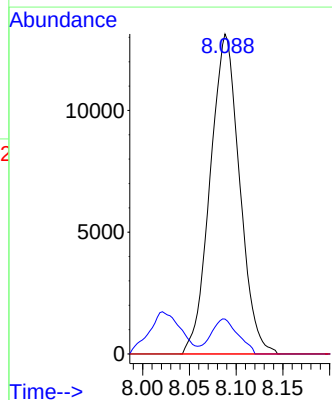
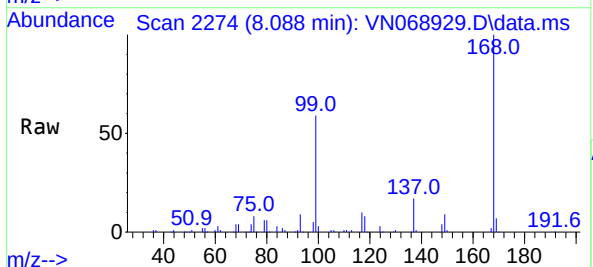
Instrument :
MSVOA_N
ClientSampleId :

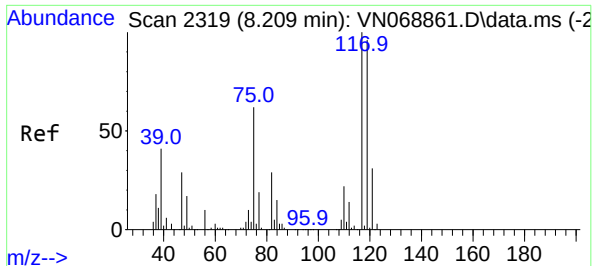
Tgt Ion:113 Resp: 185600
Ion Ratio Lower Upper
113 100
111 103.5 83.2 124.8
192 19.4 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.367 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

Tgt Ion: 75 Resp: 28770
Ion Ratio Lower Upper
75 100
110 10.0 17.9 53.8#
77 0.0 24.7 37.1#

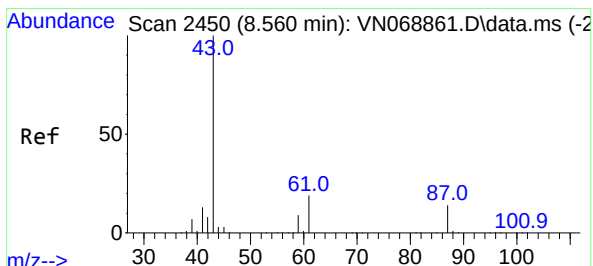
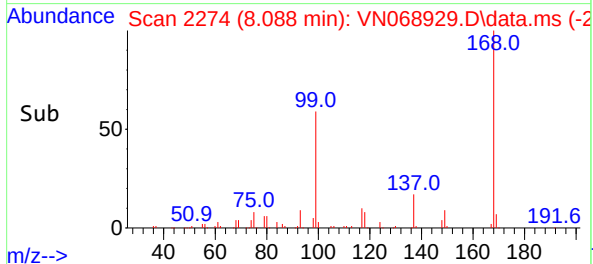
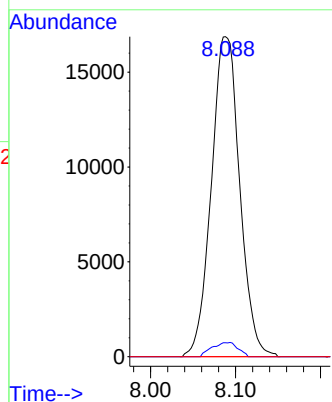
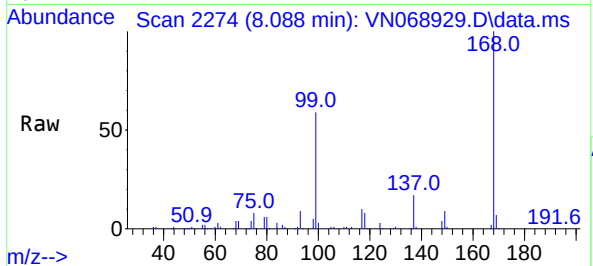




#38
Carbon Tetrachloride
Concen: 6.656 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

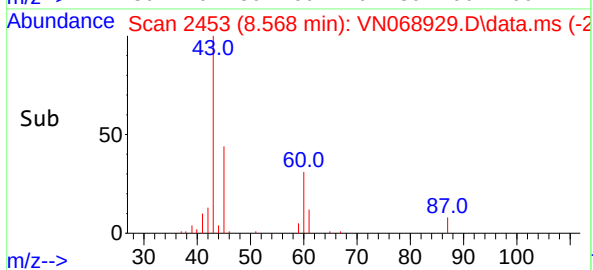
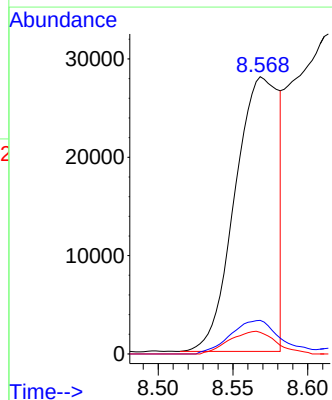
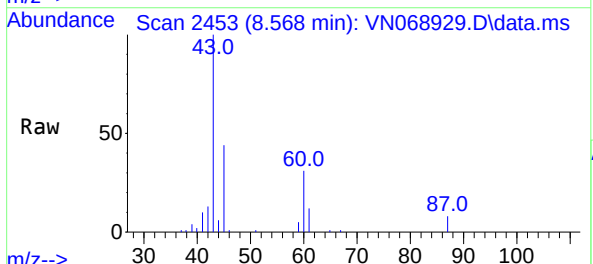
Instrument :
MSVOA_N
ClientSampled :

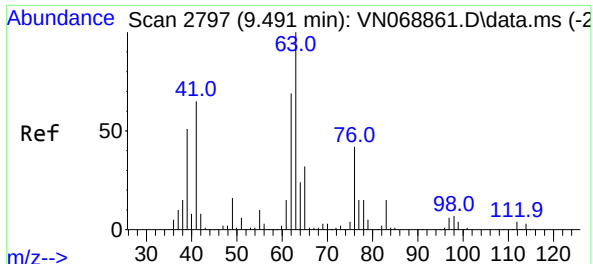
Tgt Ion:117 Resp: 39185
Ion Ratio Lower Upper
117 100
119 4.3 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 5.771 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.008 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

Tgt Ion: 43 Resp: 56378
Ion Ratio Lower Upper
43 100
61 14.1 20.4 30.6#
87 8.9 10.7 16.1#



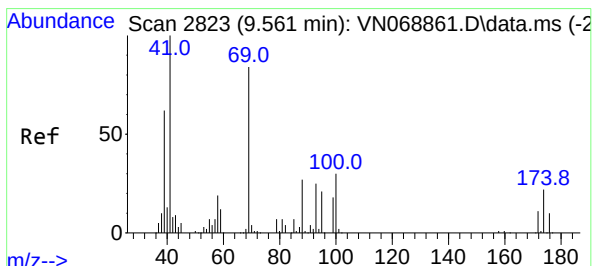
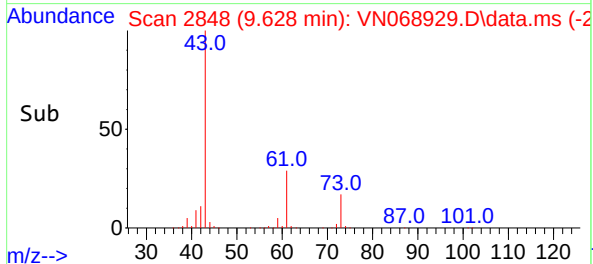
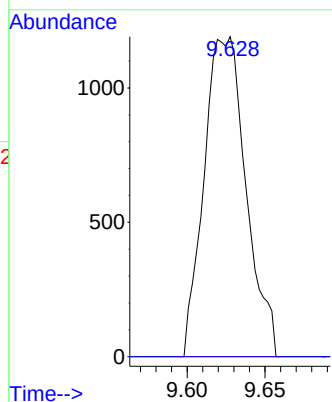
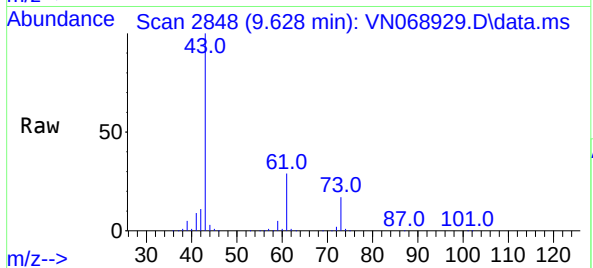


#45

1,2-Dichloropropane
Concen: 0.527 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

Instrument :
MSVOA_N
ClientSampled :

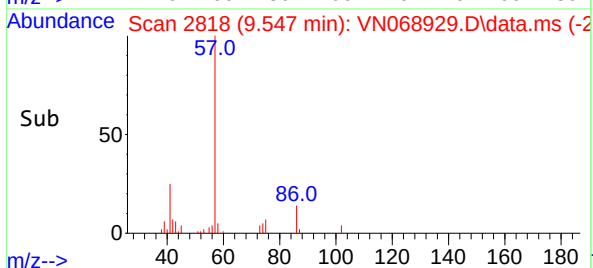
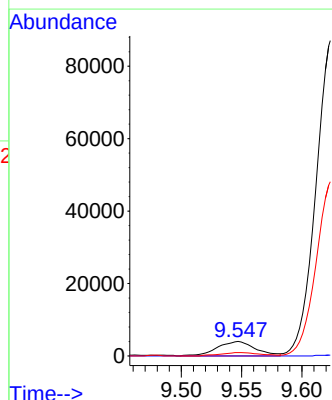
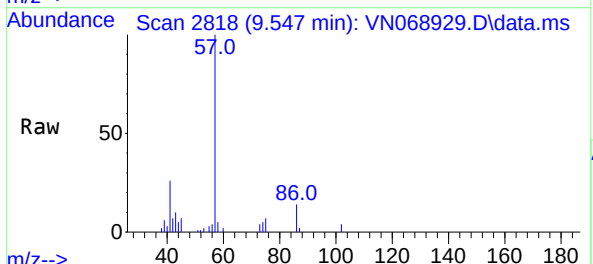
Tgt Ion: 63 Resp: 2231
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

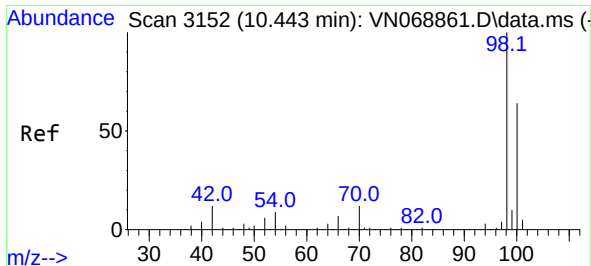


#48

Methyl methacrylate
Concen: 1.928 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

Tgt Ion: 41 Resp: 8849
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#

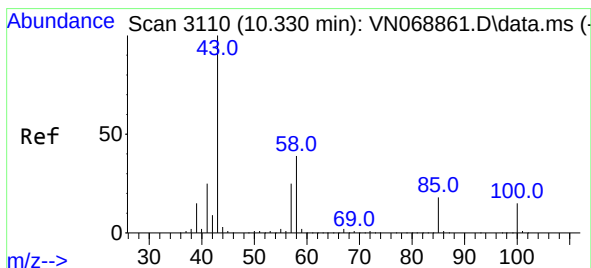
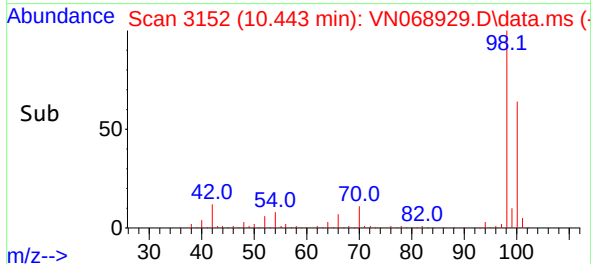
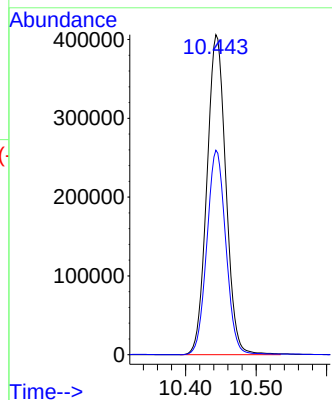
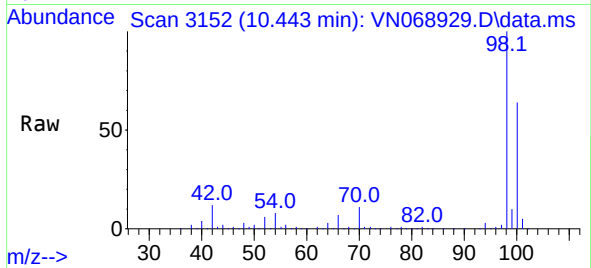




#50
Toluene-d8
Concen: 51.984 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

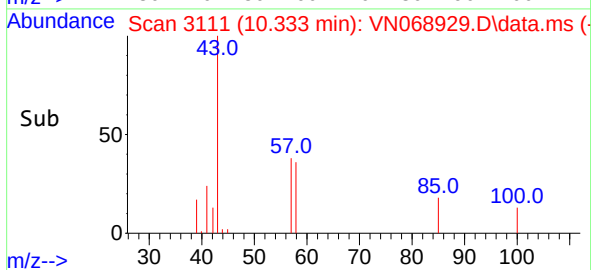
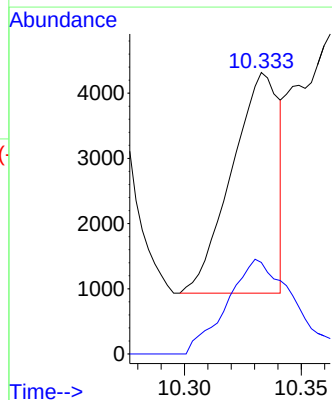
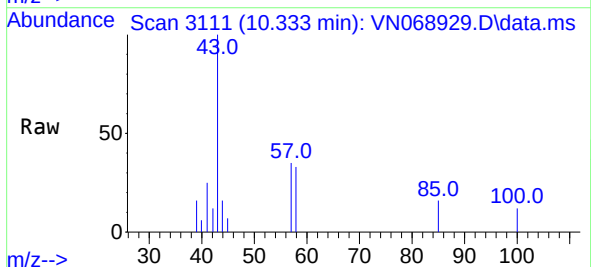
Instrument :
MSVOA_N
ClientSampled :

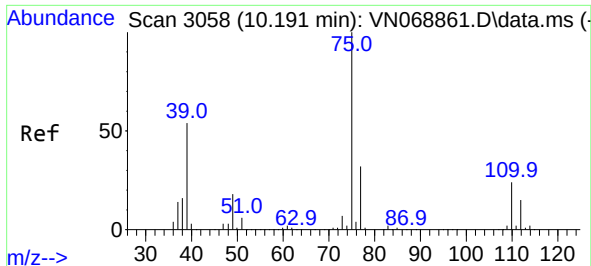
Tgt Ion: 98 Resp: 759461
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.840 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.002 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

Tgt Ion: 43 Resp: 4756
Ion Ratio Lower Upper
43 100
58 60.2 31.0 46.4#

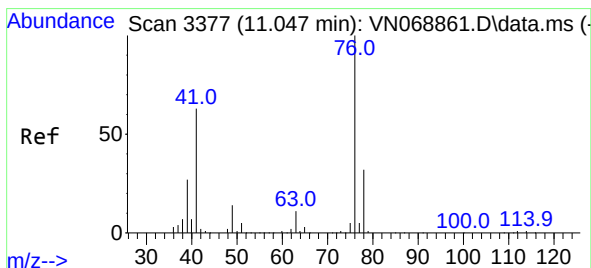
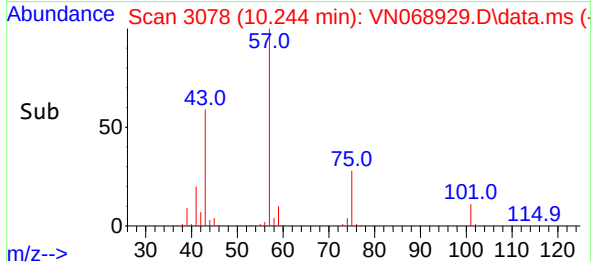
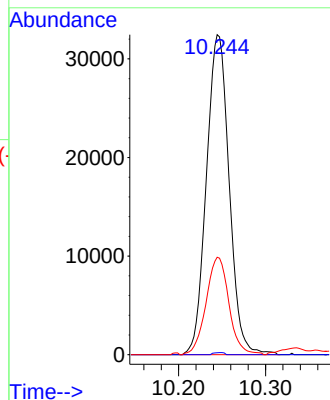
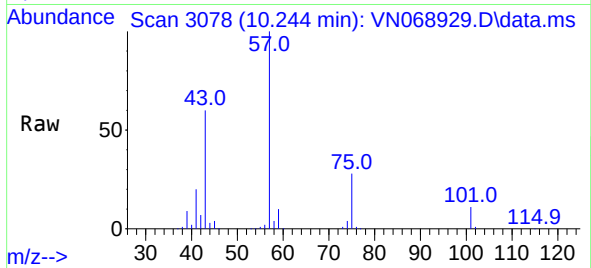




#54
cis-1,3-Dichloropropene
Concen: 8.358 ug/l
RT: 10.244 min Scan# 3078
Delta R.T. 0.053 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

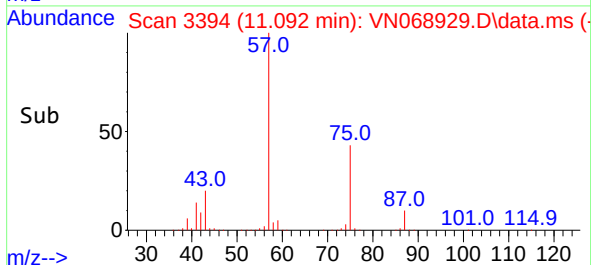
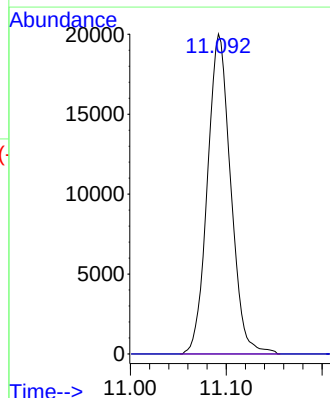
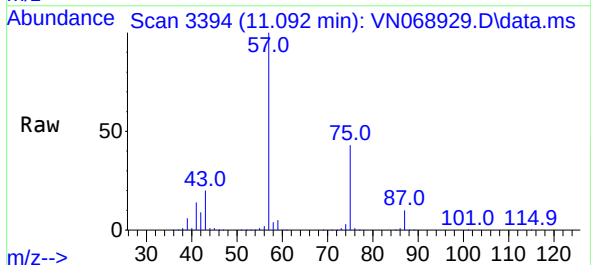
Instrument :
MSVOA_N
ClientSampled :

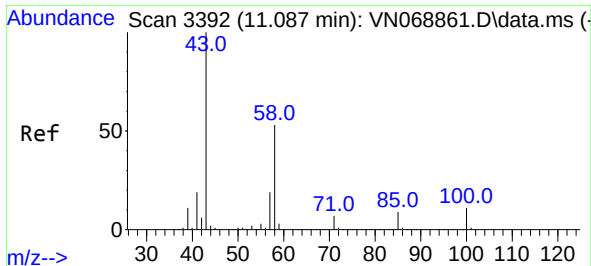
Tgt Ion: 75 Resp: 59022
Ion Ratio Lower Upper
75 100
77 0.6 25.6 38.4#
39 30.4 42.9 64.3#



#57
1,3-Dichloropropane
Concen: 4.945 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

Tgt Ion: 76 Resp: 33764
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

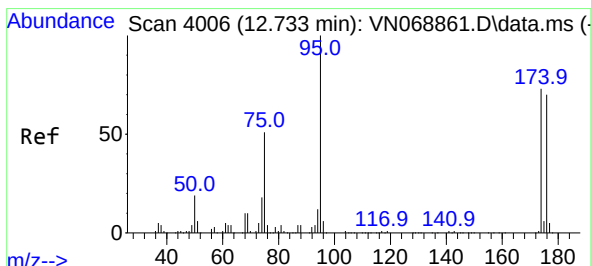
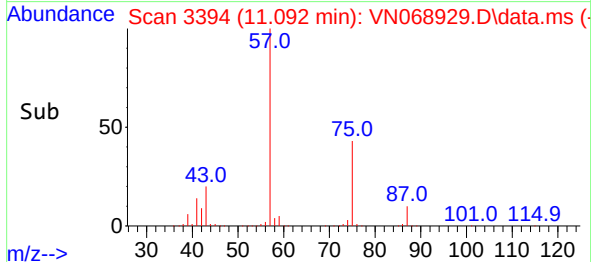
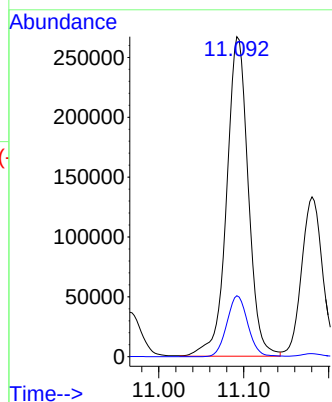
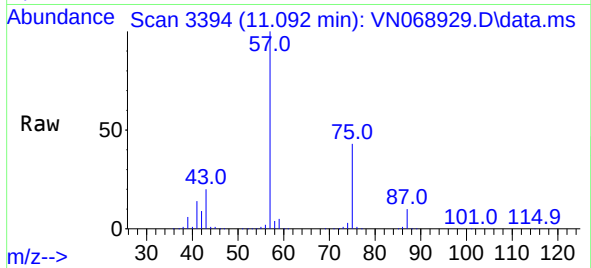




#59
2-Hexanone
Concen: 116.223 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

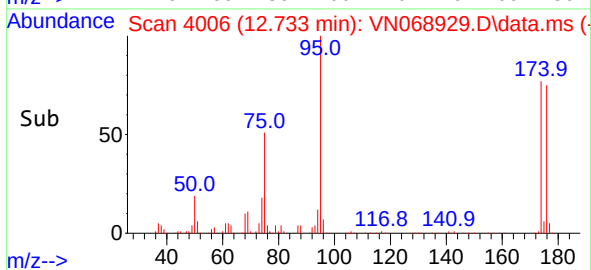
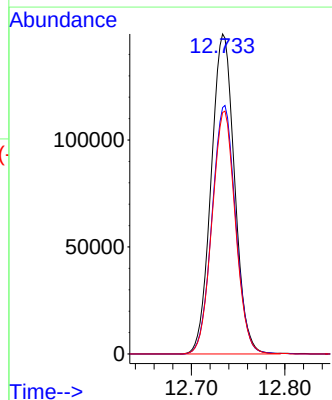
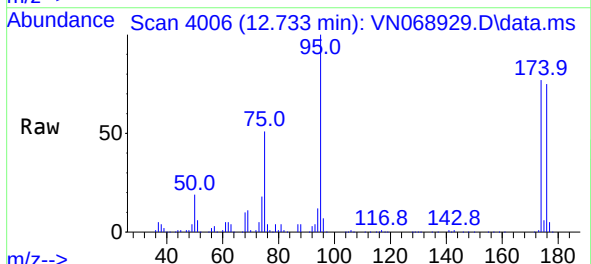
Instrument :
MSVOA_N
ClientSampled :

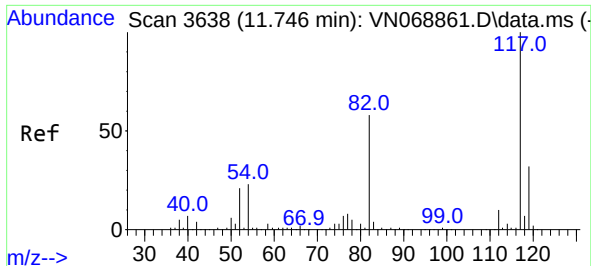
Tgt Ion: 43 Resp: 472085
Ion Ratio Lower Upper
43 100
58 18.6 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 47.258 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

Tgt Ion: 95 Resp: 260489
Ion Ratio Lower Upper
95 100
174 78.2 0.0 144.8
176 75.8 0.0 140.0

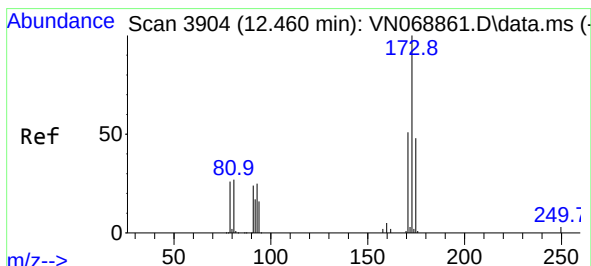
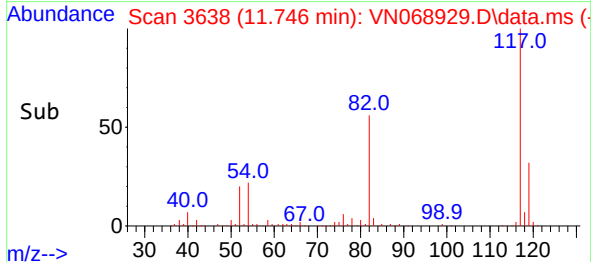
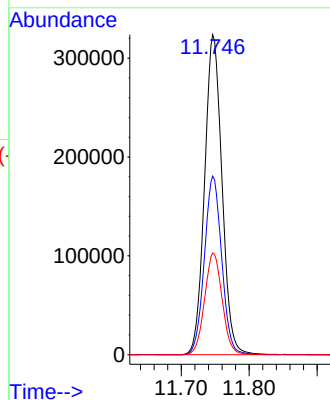
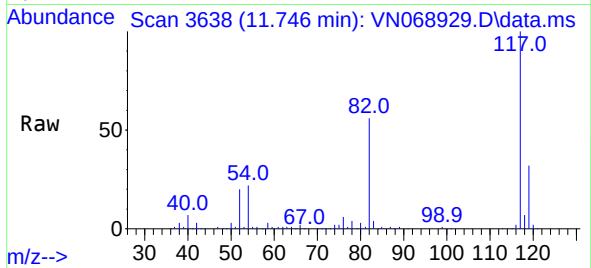




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

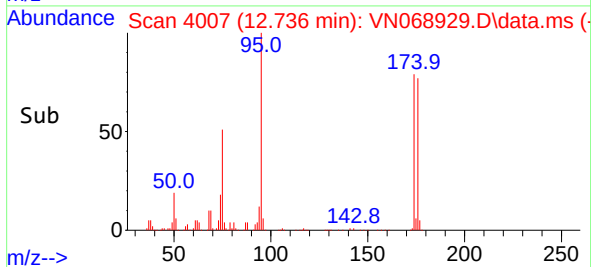
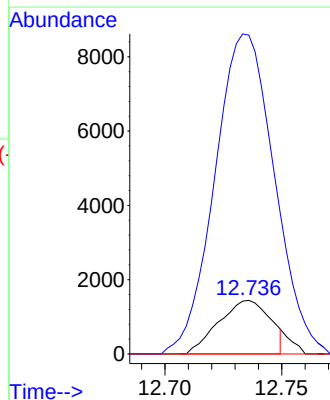
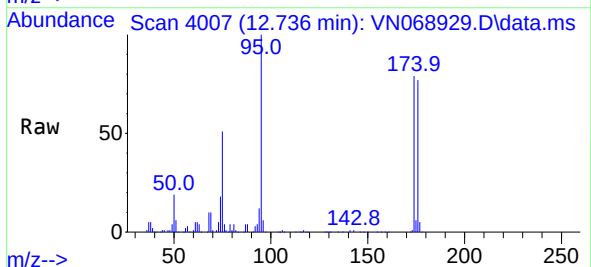
Instrument :
MSVOA_N
ClientSampleId :

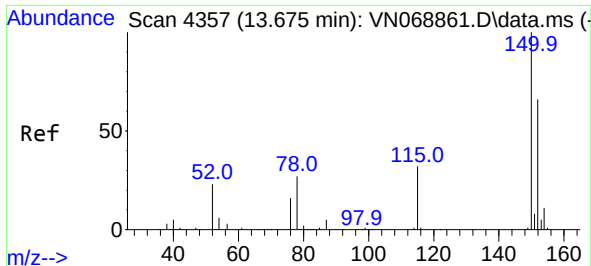
Tgt Ion:117 Resp: 577052
Ion Ratio Lower Upper
117 100
82 55.8 46.4 69.6
119 31.8 26.0 39.0



#71
Bromoform
Concen: 0.649 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

Tgt Ion:173 Resp: 2222
Ion Ratio Lower Upper
173 100
175 632.2 23.8 71.5#
254 0.0 0.0 0.0

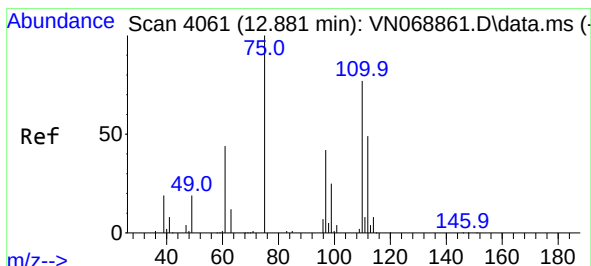
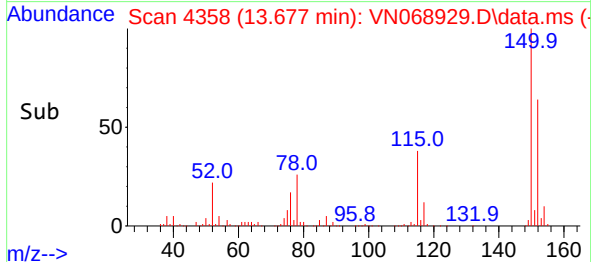
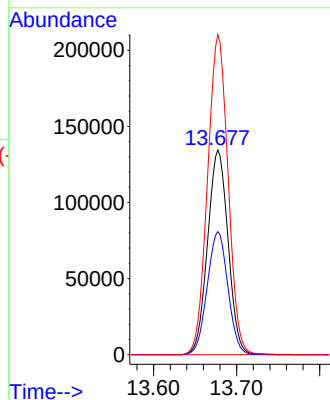
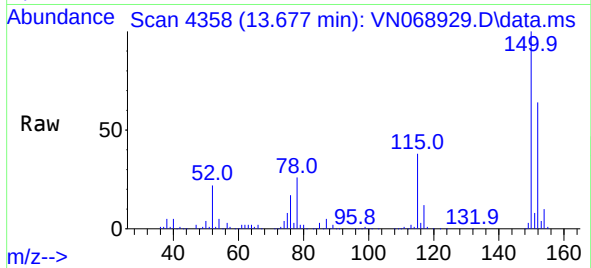




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

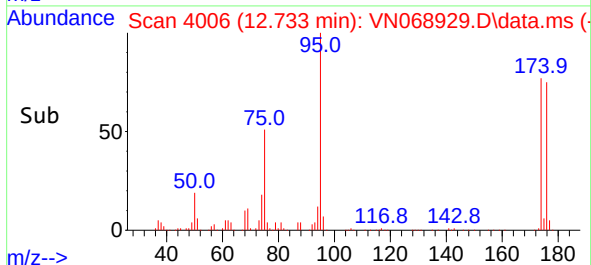
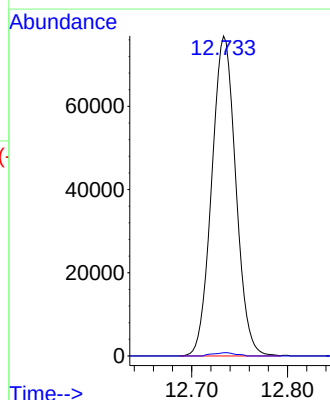
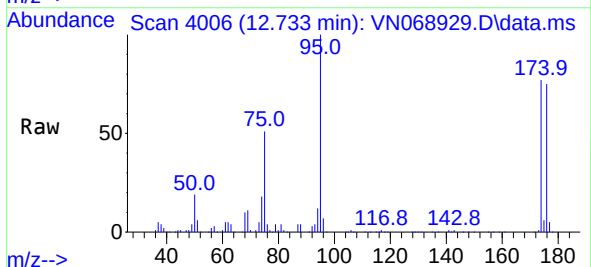
Instrument :
MSVOA_N
ClientSampled :

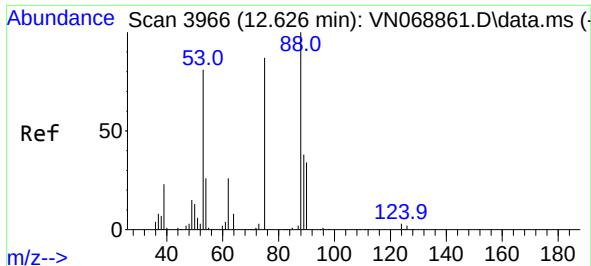
Tgt Ion:152 Resp: 230520
Ion Ratio Lower Upper
152 100
115 60.7 31.4 94.3
150 156.5 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 27.317 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

Tgt Ion: 75 Resp: 133987
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#

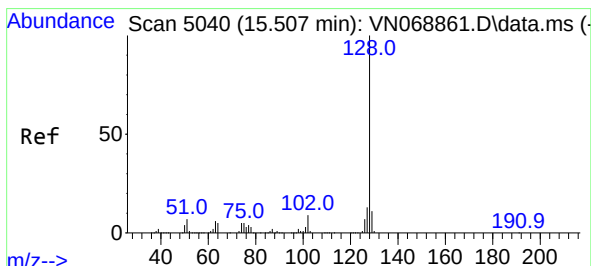
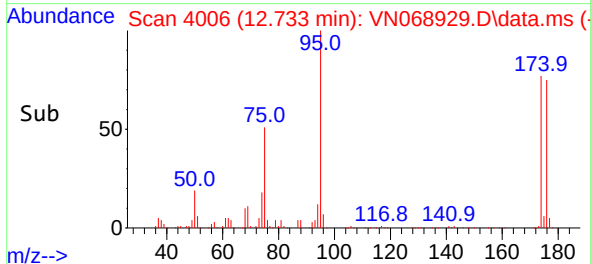
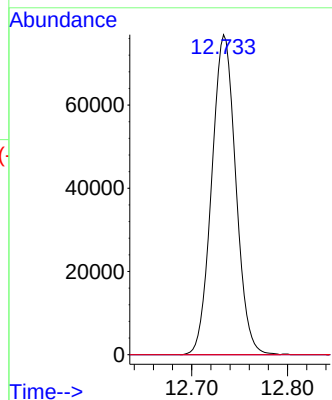
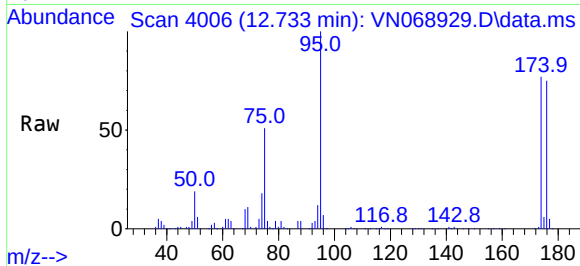




#81
trans-1,4-Dichloro-2-butene
Concen: 65.355 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

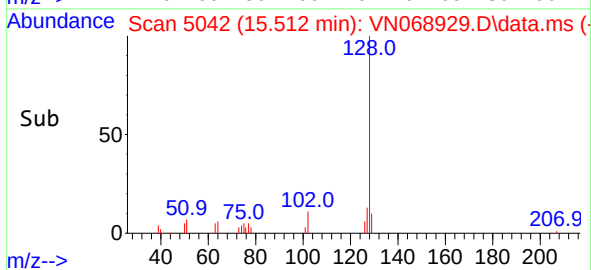
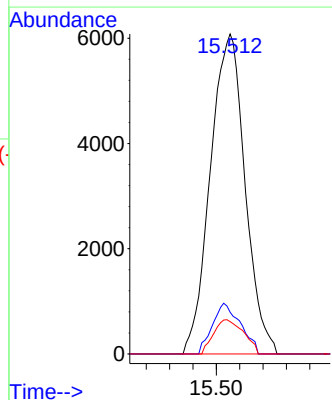
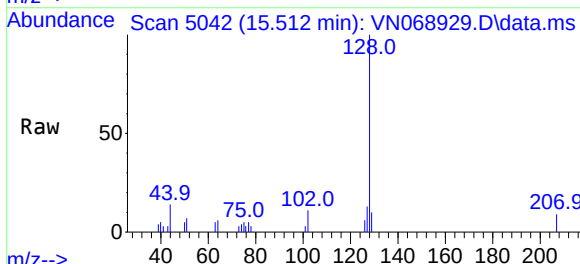
Instrument :
MSVOA_N
ClientSampleId :

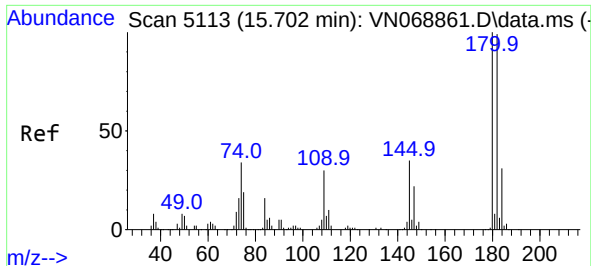
Tgt Ion: 75 Resp: 133987
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 4.894 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068929.D
Acq: 14 Oct 2021 17:06

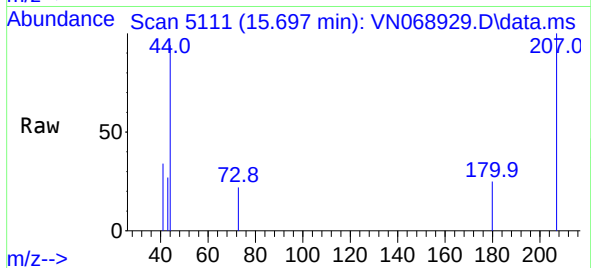
Tgt Ion:128 Resp: 12536
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 9.2 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 2.527 ug/l
 RT: 15.697 min Scan# 5111
 Delta R.T. -0.005 min
 Lab File: VN068929.D
 Acq: 14 Oct 2021 17:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 52
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.1 144.3#
 145 0.0 17.4 52.2#

