

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101221\
 Data File : VN068874.D
 Acq On : 12 Oct 2021 20:40
 Operator : JC/MD
 Sample : M4159-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 08:23:02 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)

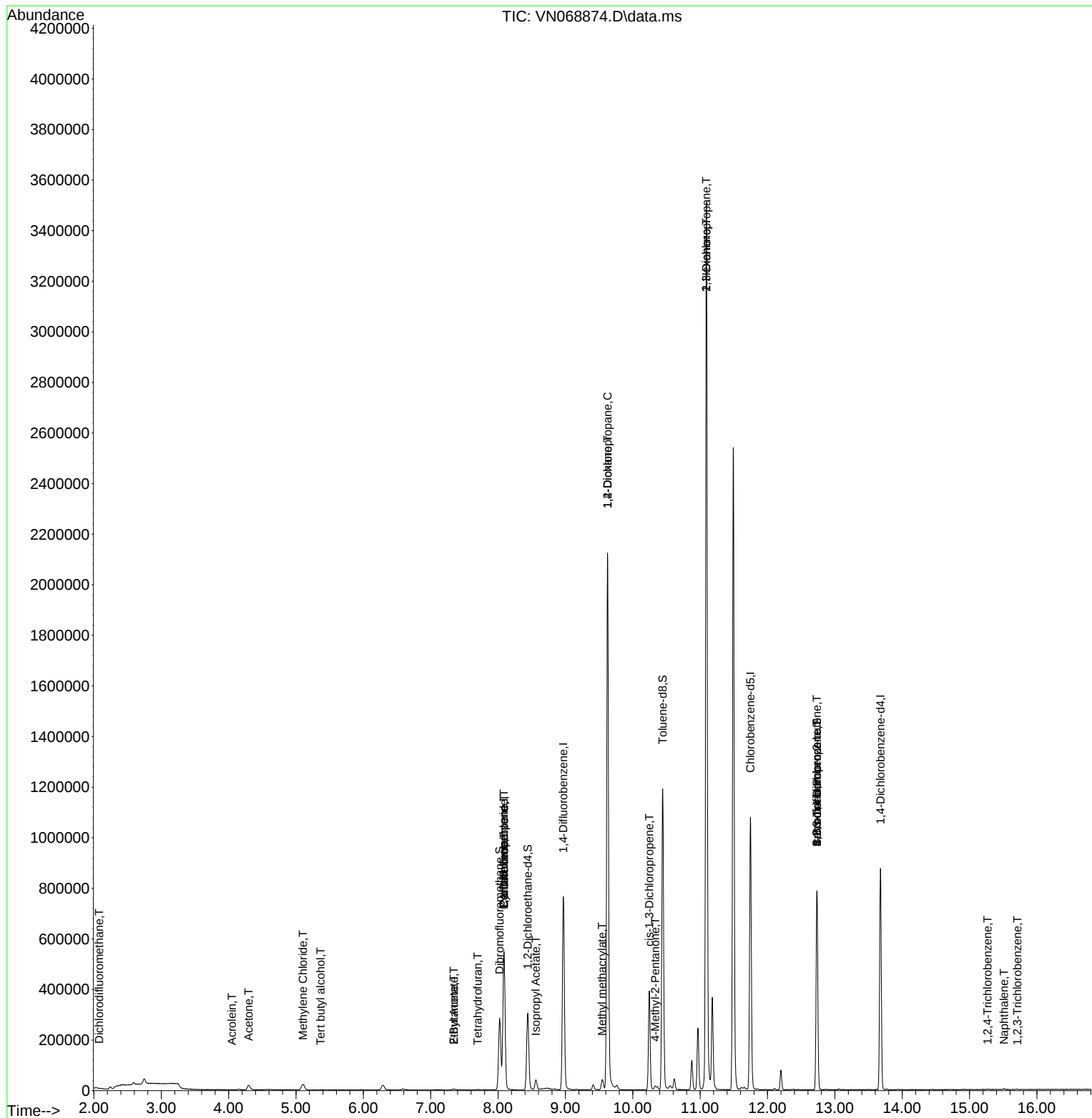
Internal Standards						
1) Pentafluorobenzene	8.088	168	424047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	689922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	635743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	239332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	255475	45.695	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.380%		
35) Dibromofluoromethane	8.024	113	208731	52.000	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	104.000%		
50) Toluene-d8	10.443	98	846140	52.684	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.360%		
62) 4-Bromofluorobenzene	12.733	95	286666	47.308	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.620%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.078	85	110	1.264	ug/l #	42
11) Tert butyl alcohol	5.363	59	343	0.336	ug/l #	94
13) Acrolein	4.049	56	428	0.947	ug/l #	66
16) Acetone	4.296	43	33306	15.963	ug/l	99
20) Methylene Chloride	5.103	84	19132	3.984	ug/l	97
25) 2-Butanone	7.343	43	6149	1.949	ug/l	99
29) Tetrahydrofuran	7.697	42	605	0.296	ug/l #	46
31) Cyclohexane	8.086	56	9735	1.120	ug/l #	6
36) 1,1-Dichloropropene	8.086	75	32517	5.518	ug/l #	50
37) Ethyl Acetate	7.343	43	6149	1.010	ug/l #	69
38) Carbon Tetrachloride	8.088	117	42854	6.621	ug/l #	15
43) Isopropyl Acetate	8.560	43	46370	4.318	ug/l #	92
45) 1,2-Dichloropropane	9.625	63	2783	0.598	ug/l #	43
48) Methyl methacrylate	9.545	41	10598	2.100	ug/l #	13
49) 1,4-Dioxane	9.625	88	289	38.468	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	8823	1.417	ug/l #	79
54) cis-1,3-Dichloropropene	10.245	75	74820	9.638	ug/l #	56
57) 1,3-Dichloropropane	11.092	76	38444	5.122	ug/l #	42
59) 2-Hexanone	11.092	43	558909	125.165	ug/l #	50
71) Bromoform	12.733	173	2338	0.620	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	147527	28.971	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	147527	69.310	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.268	180	714	2.770	ug/l #	84
95) Naphthalene	15.512	128	3456	4.099	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.708	180	658	2.677	ug/l #	76

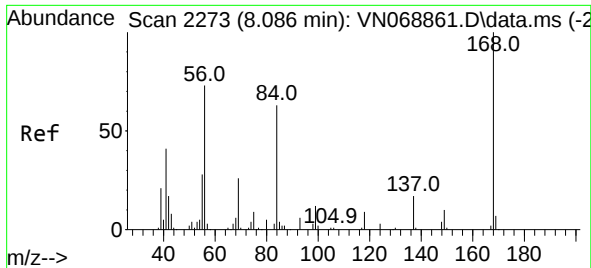
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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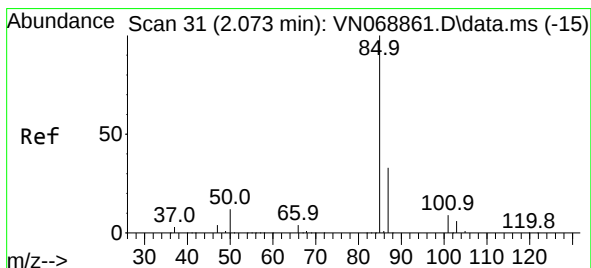
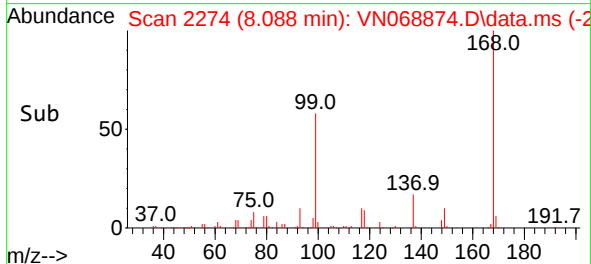
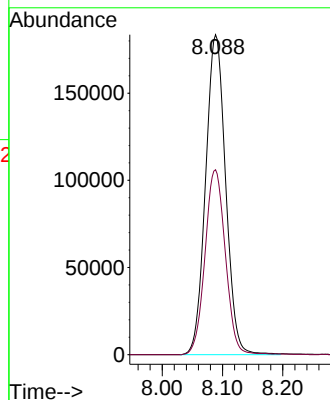
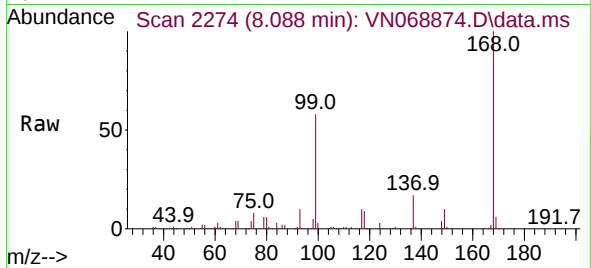




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

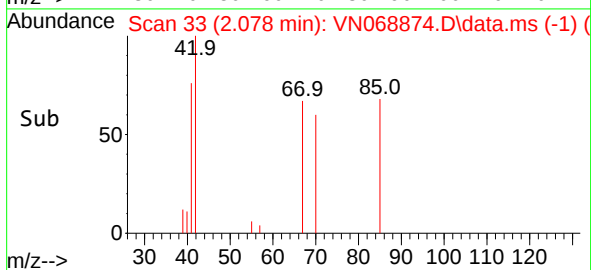
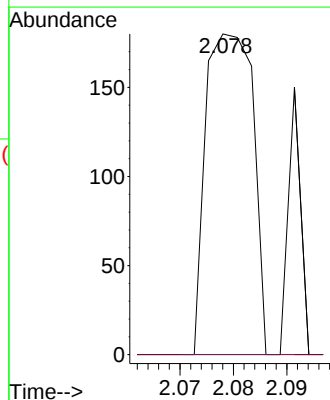
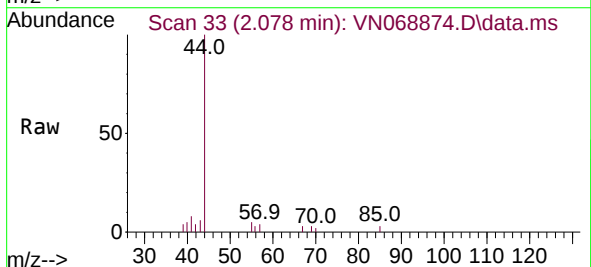
Instrument :
MSVOA_N
ClientSampled :

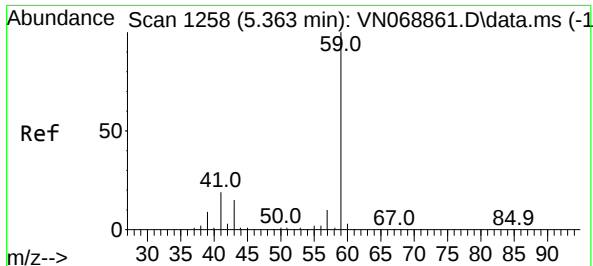
Tgt Ion:168 Resp: 424047
Ion Ratio Lower Upper
168 100
99 57.8 48.9 73.3



#2
Dichlorodifluoromethane
Concen: 1.264 ug/l
RT: 2.078 min Scan# 33
Delta R.T. 0.005 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

Tgt Ion: 85 Resp: 110
Ion Ratio Lower Upper
85 100
87 0.0 16.3 48.8#



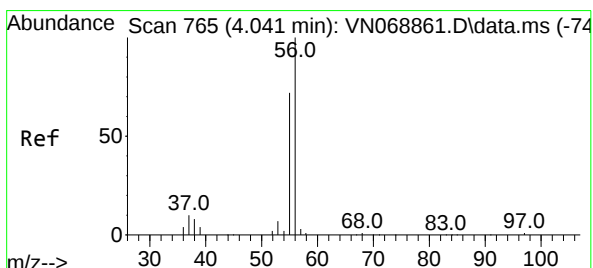
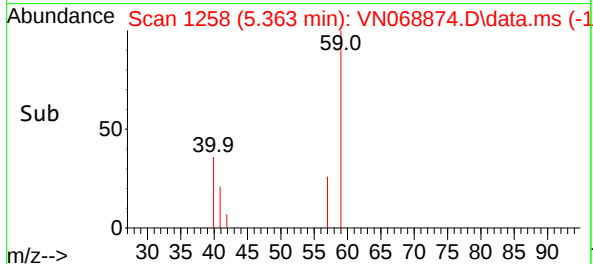
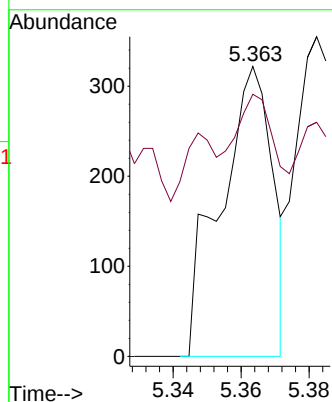
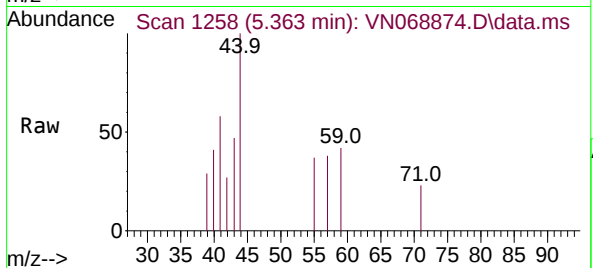


#11

Tert butyl alcohol
Concen: 0.336 ug/l
RT: 5.363 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

Instrument :
MSVOA_N
ClientSampled :

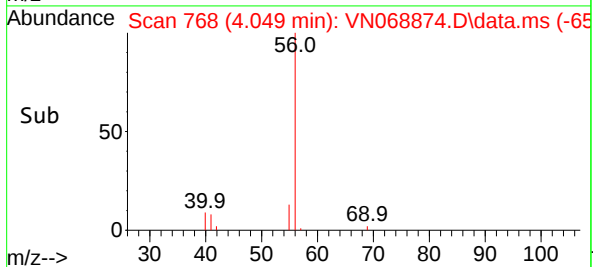
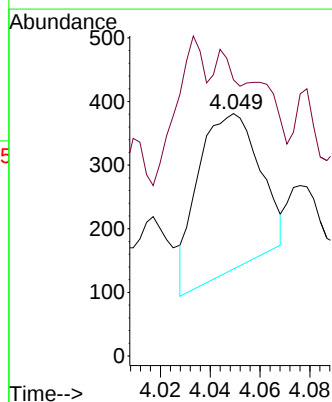
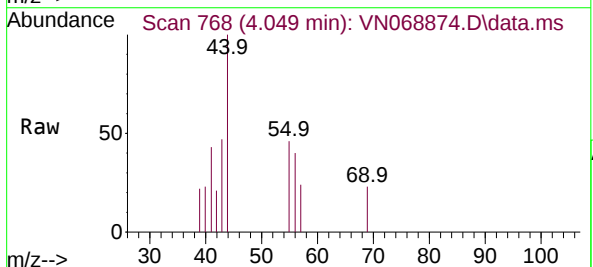
Tgt Ion: 59 Resp: 343
Ion Ratio Lower Upper
59 100
57 12.8 8.3 12.5#

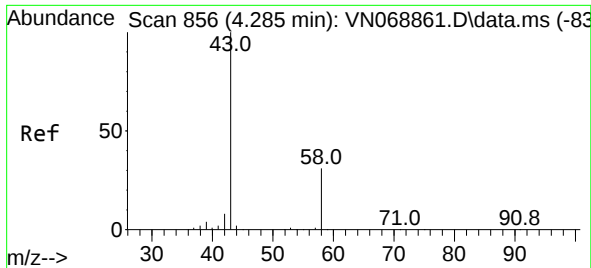


#13

Acrolein
Concen: 0.947 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.008 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

Tgt Ion: 56 Resp: 428
Ion Ratio Lower Upper
56 100
55 43.9 58.1 87.1#

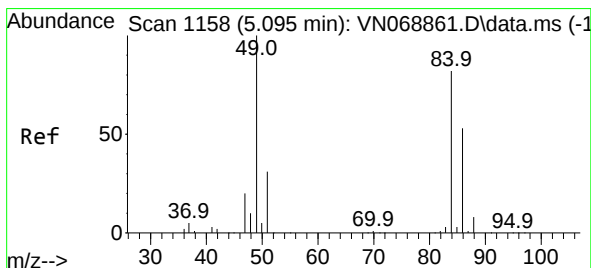
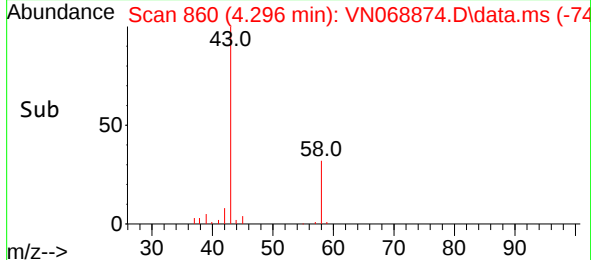
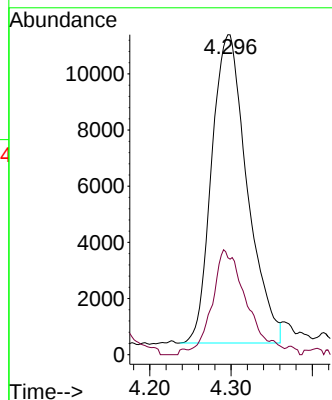
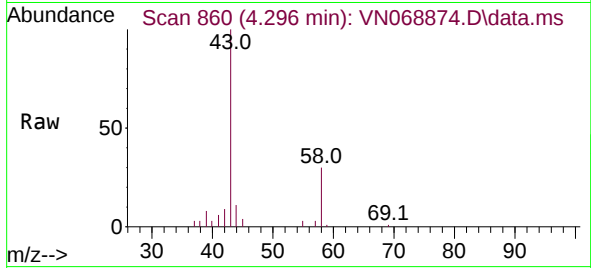




#16
Acetone
Concen: 15.963 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

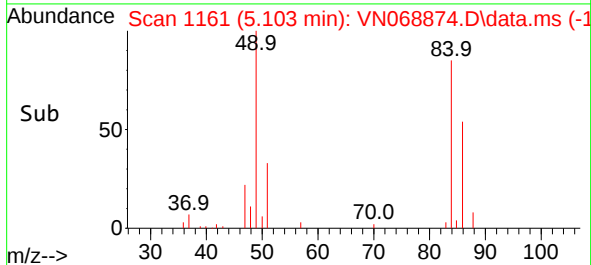
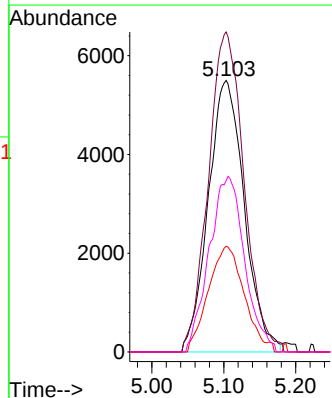
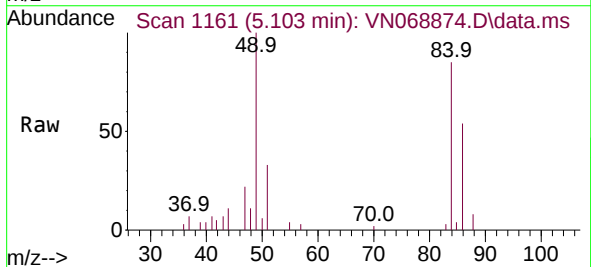
Instrument :
MSVOA_N
ClientSampled :

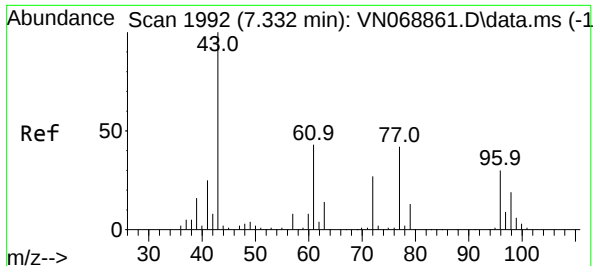
Tgt Ion: 43 Resp: 33306
Ion Ratio Lower Upper
43 100
58 30.0 24.5 36.7



#20
Methylene Chloride
Concen: 3.984 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

Tgt Ion: 84 Resp: 19132
Ion Ratio Lower Upper
84 100
49 117.9 97.6 146.4
51 39.0 30.3 45.5
86 63.1 51.8 77.6





#25

2-Butanone

Concen: 1.949 ug/l

RT: 7.343 min Scan# 1996

Delta R.T. 0.011 min

Lab File: VN068874.D

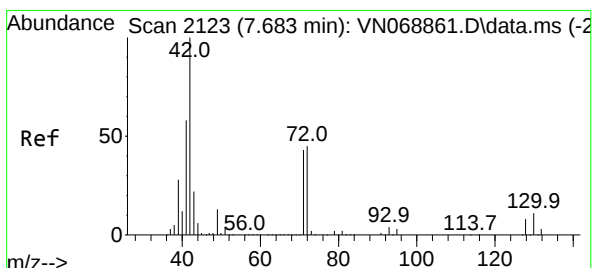
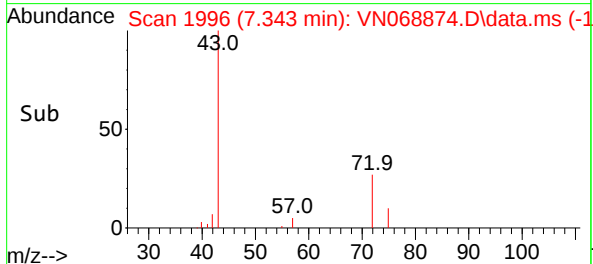
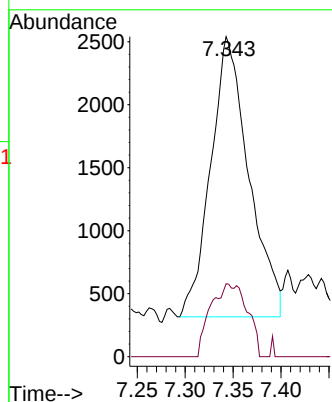
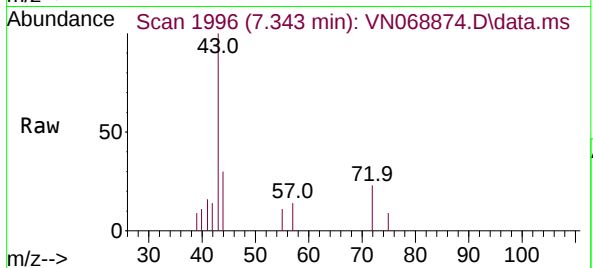
Acq: 12 Oct 2021 20:40

Tgt Ion: 43 Resp: 6149

Ion Ratio Lower Upper

43 100

72 26.0 21.2 31.8



#29

Tetrahydrofuran

Concen: 0.296 ug/l

RT: 7.697 min Scan# 2128

Delta R.T. 0.013 min

Lab File: VN068874.D

Acq: 12 Oct 2021 20:40

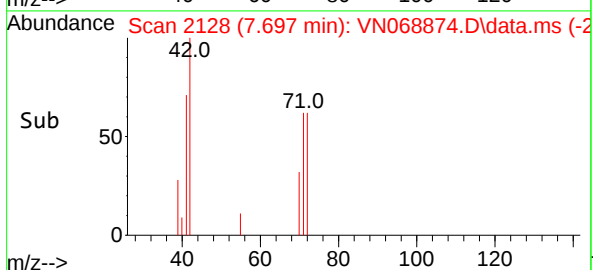
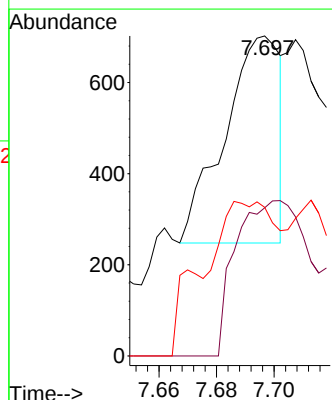
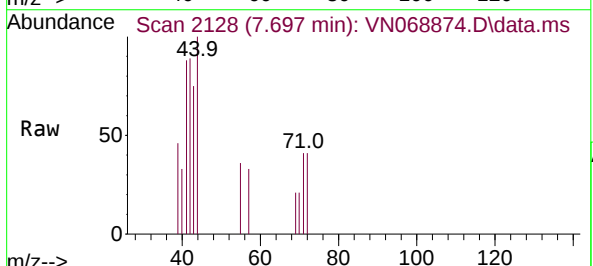
Tgt Ion: 42 Resp: 605

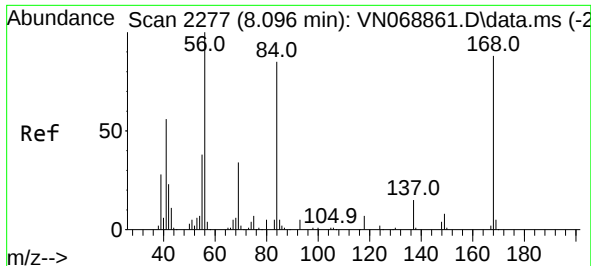
Ion Ratio Lower Upper

42 100

72 110.9 35.4 53.2#

71 44.1 33.8 50.6

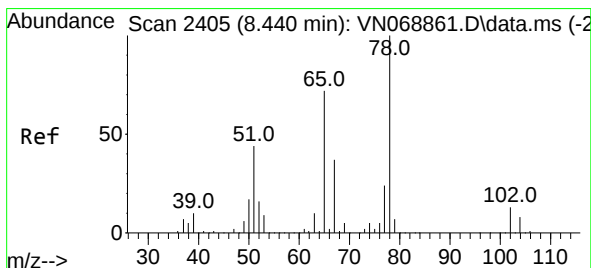
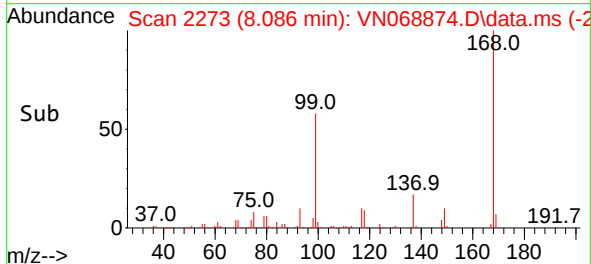
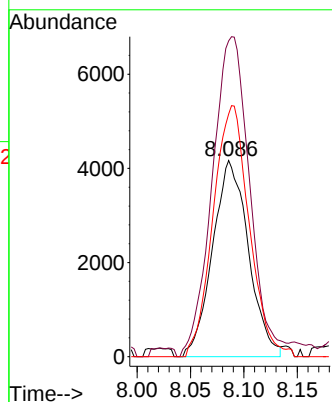
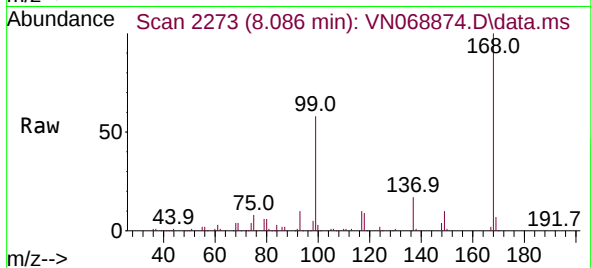




#31
Cyclohexane
Concen: 1.120 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

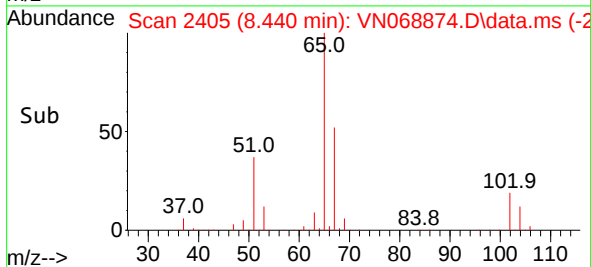
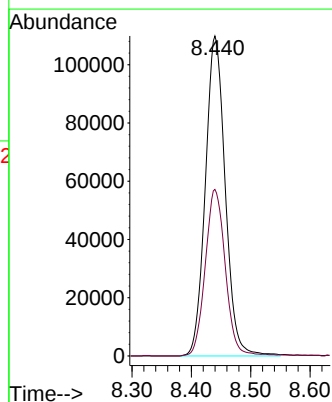
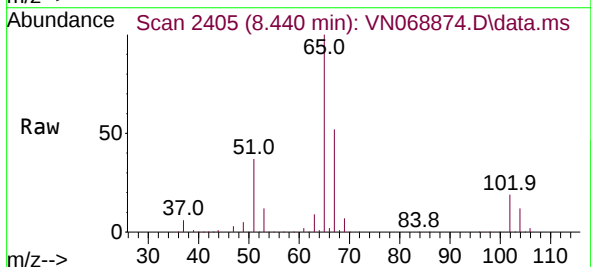
Instrument :
MSVOA_N
ClientSampled :

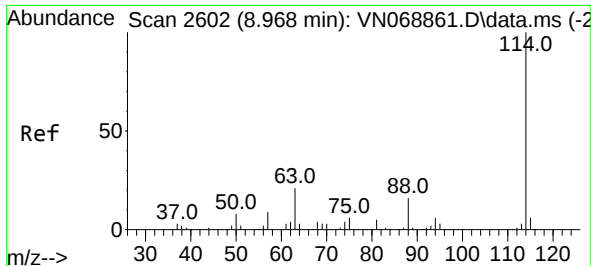
Tgt Ion: 56 Resp: 9735
Ion Ratio Lower Upper
56 100
69 161.0 26.9 40.3#
84 123.8 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 45.695 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

Tgt Ion: 65 Resp: 255475
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.8

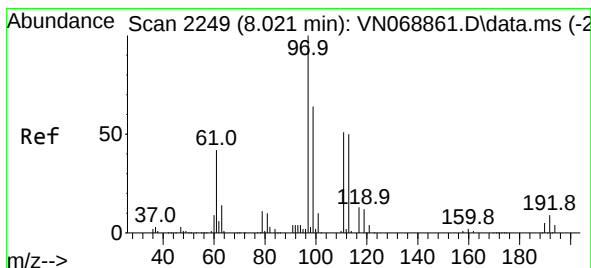
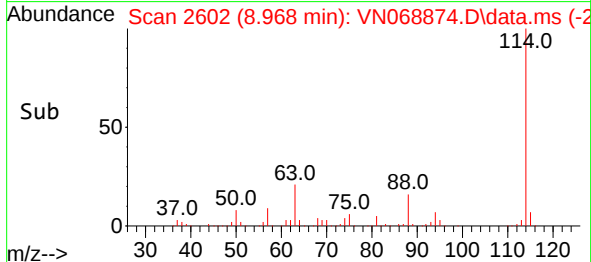
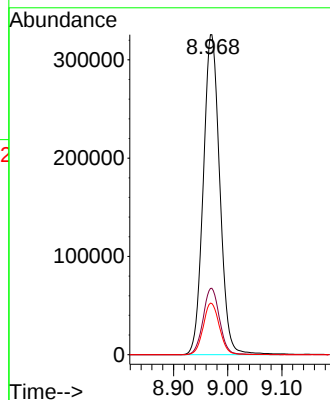
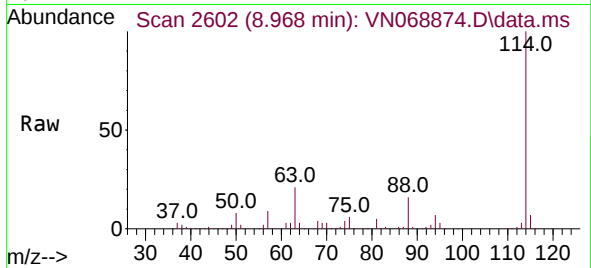




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

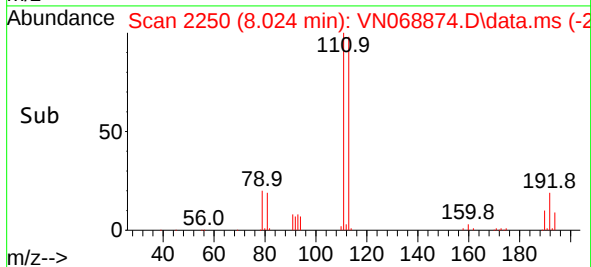
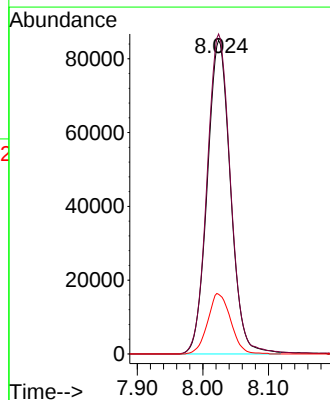
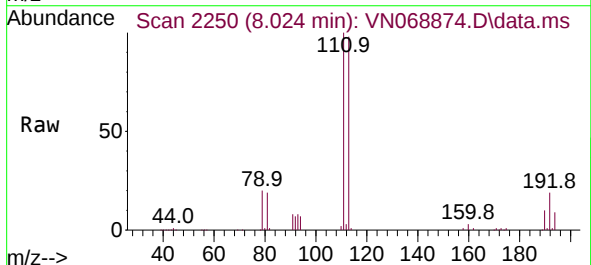
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MSVOA_N
ClientSampled :

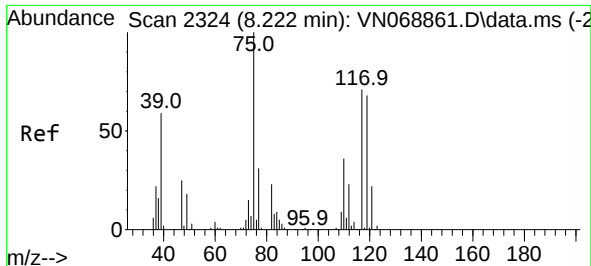
Tgt Ion:114 Resp: 689922
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 16.1 0.0 32.0



#35
Dibromofluoromethane
Concen: 52.000 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

Tgt Ion:113 Resp: 208731
Ion Ratio Lower Upper
113 100
111 103.3 83.2 124.8
192 19.1 15.0 22.4

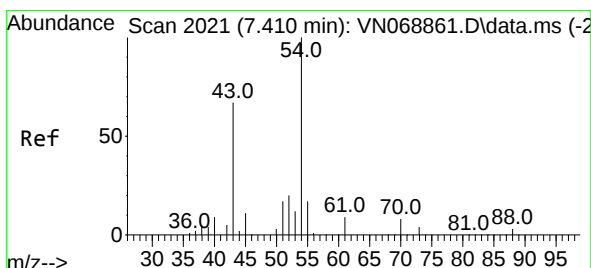
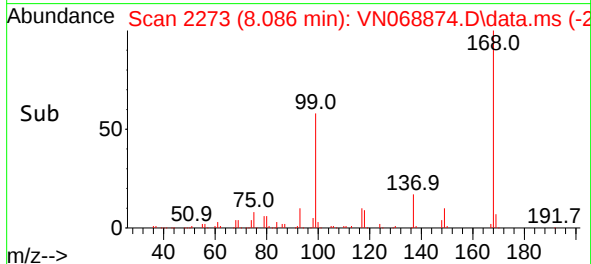
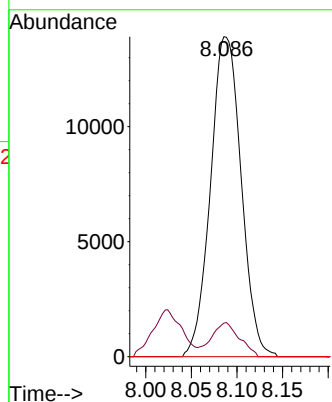
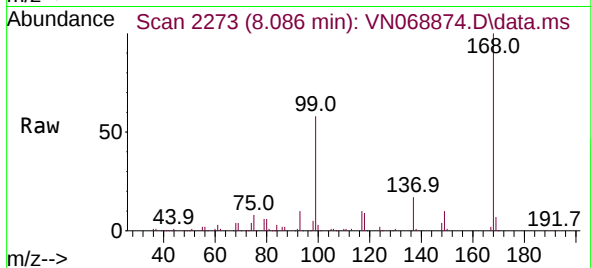




#36
1,1-Dichloropropene
Concen: 5.518 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

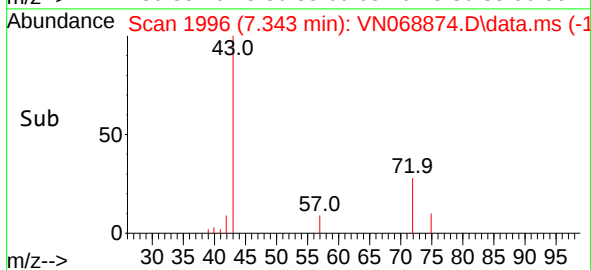
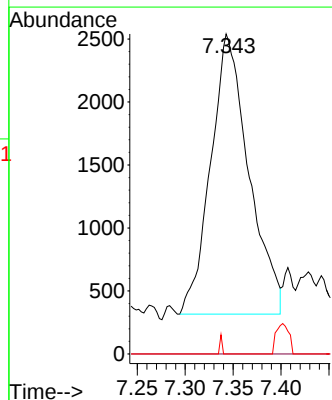
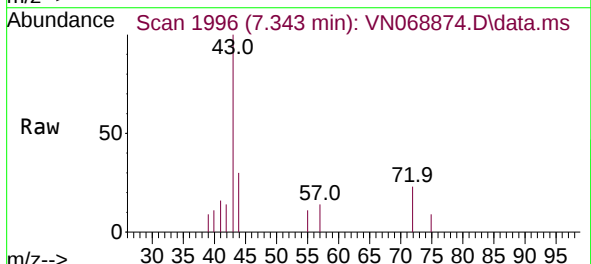
Instrument :
MSVOA_N
ClientSampleId :

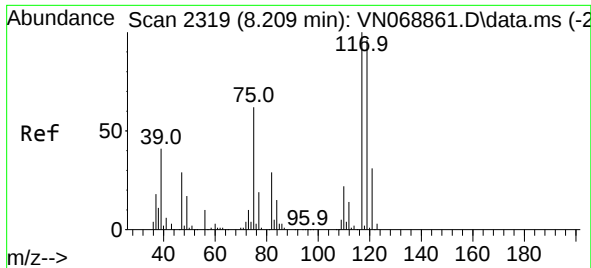
Tgt Ion: 75 Resp: 32517
Ion Ratio Lower Upper
75 100
110 9.6 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.010 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.067 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

Tgt Ion: 43 Resp: 6149
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.4 8.4 12.6#

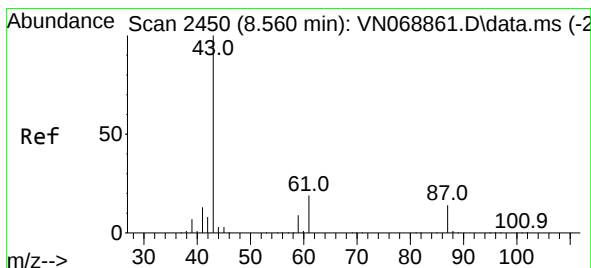
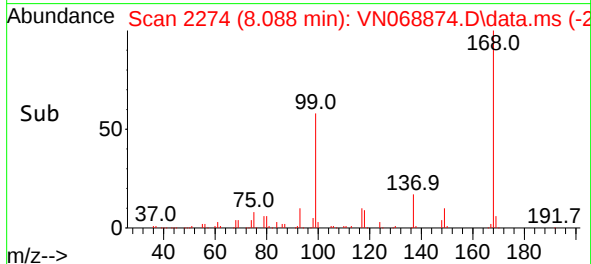
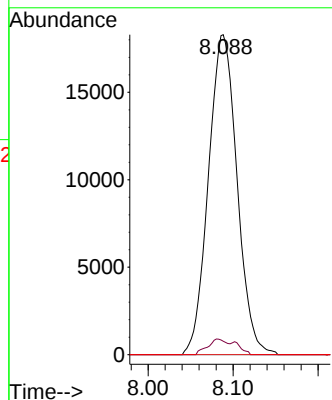
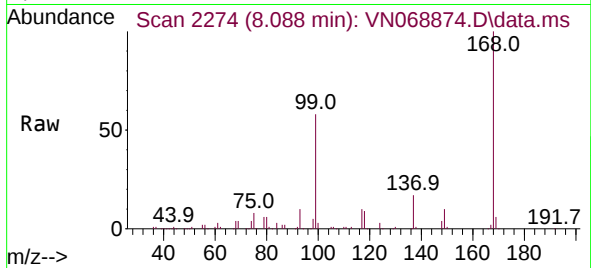




#38
Carbon Tetrachloride
Concen: 6.621 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

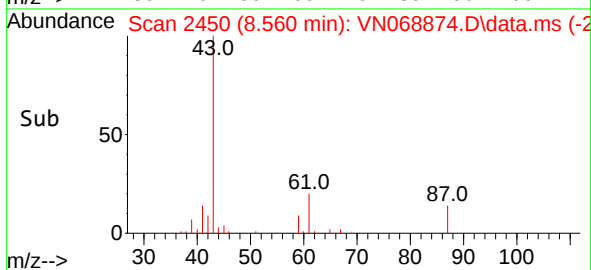
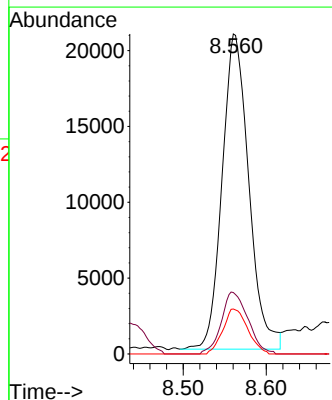
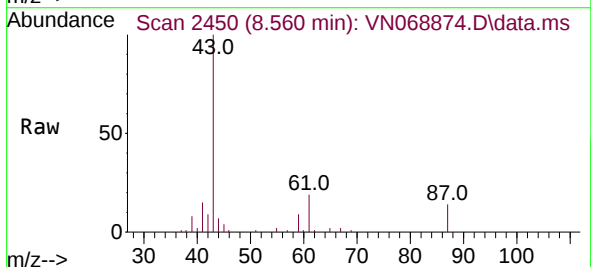
Instrument :
MSVOA_N
ClientSampled :

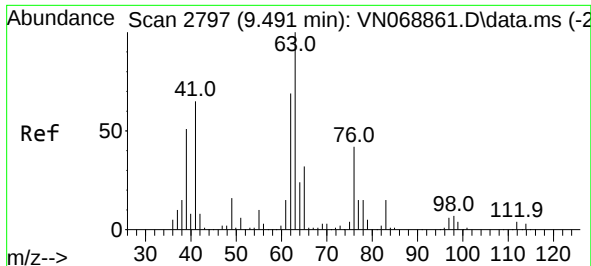
Tgt Ion:117 Resp: 42854
Ion Ratio Lower Upper
117 100
119 4.2 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 4.318 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

Tgt Ion: 43 Resp: 46370
Ion Ratio Lower Upper
43 100
61 19.6 20.4 30.6#
87 13.3 10.7 16.1

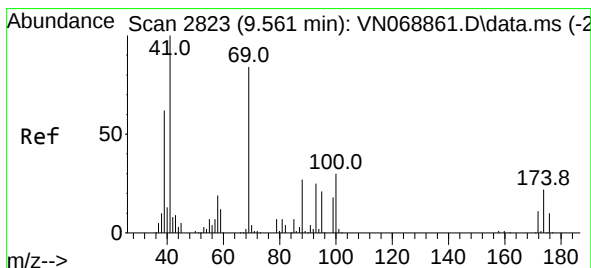
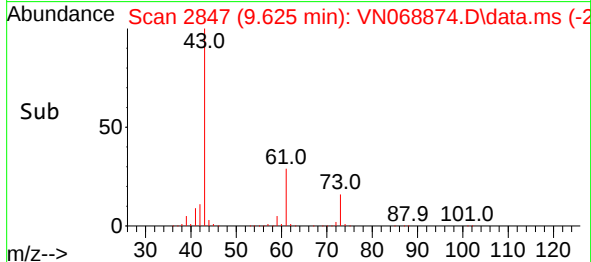
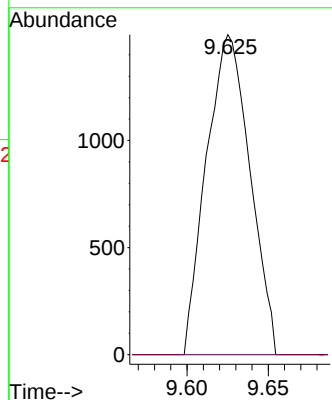
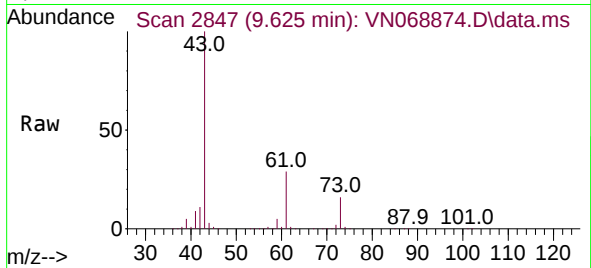




#45
1,2-Dichloropropane
Concen: 0.598 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

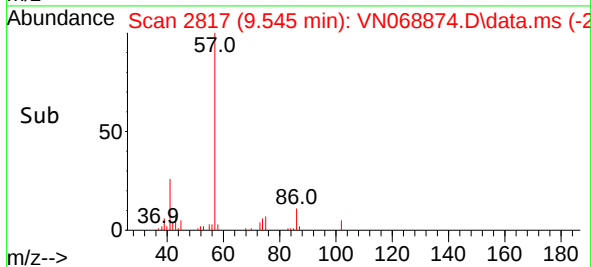
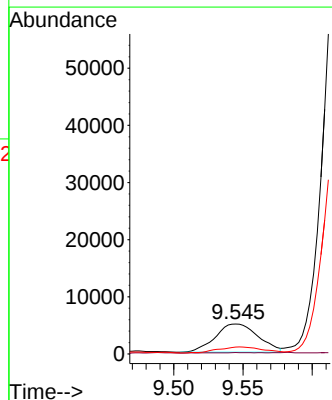
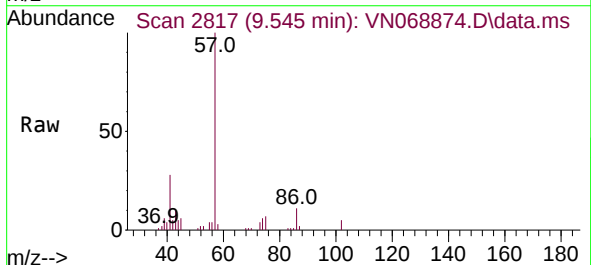
Instrument :
MSVOA_N
ClientSampled :

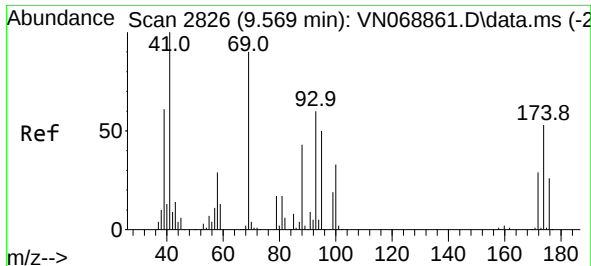
Tgt Ion: 63 Resp: 2783
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 2.100 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

Tgt Ion: 41 Resp: 10598
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: 38.468 ug/l

RT: 9.625 min Scan# 2847

Delta R.T. 0.056 min

Lab File: VN068874.D

Acq: 12 Oct 2021 20:40

Tgt Ion: 88 Resp: 289

Ion Ratio Lower Upper

88 100

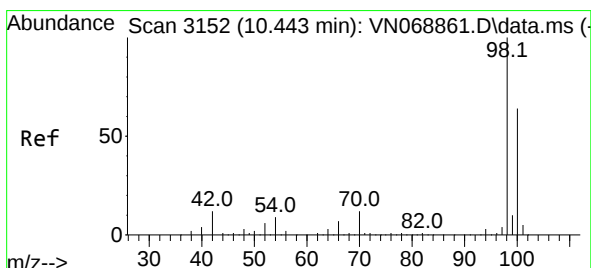
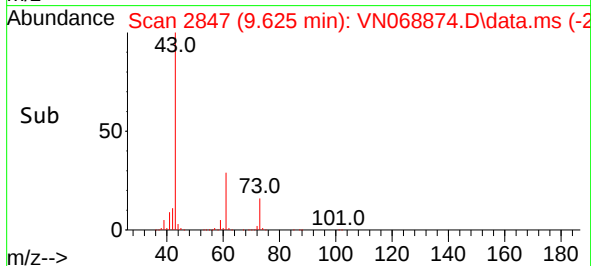
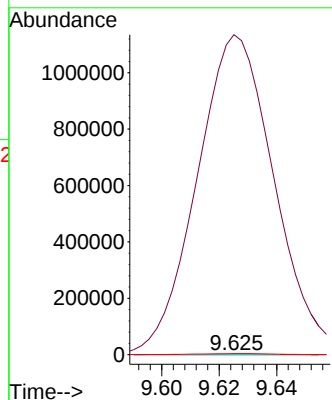
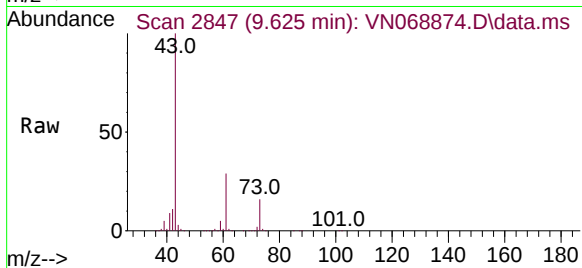
43 751214.5 24.9 37.3#

58 2683.7 56.9 85.3#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 52.684 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN068874.D

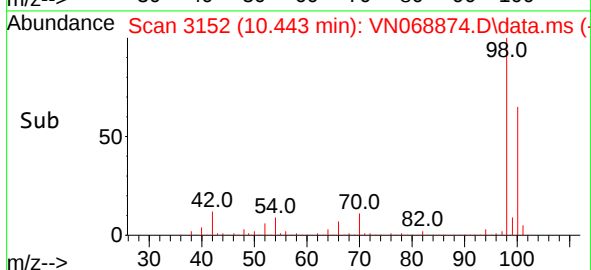
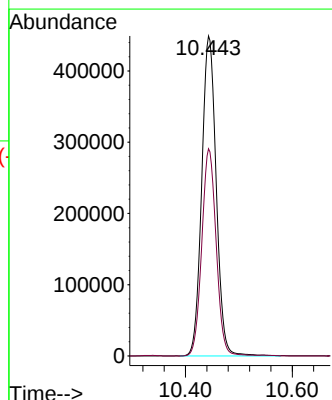
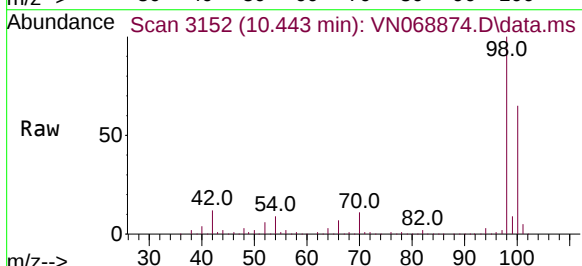
Acq: 12 Oct 2021 20:40

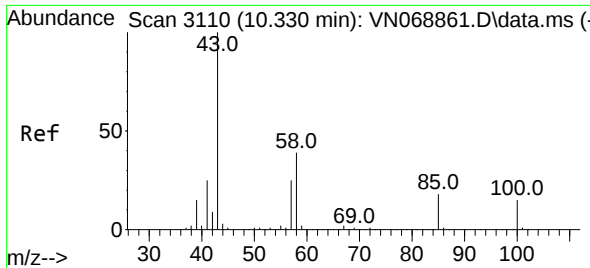
Tgt Ion: 98 Resp: 846140

Ion Ratio Lower Upper

98 100

100 64.2 51.5 77.3

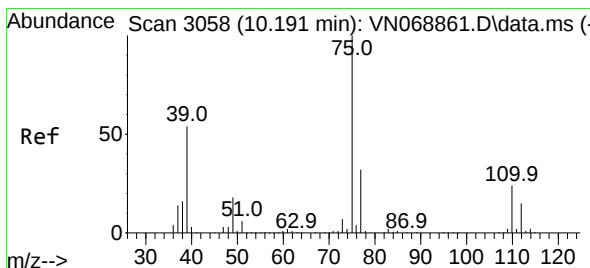
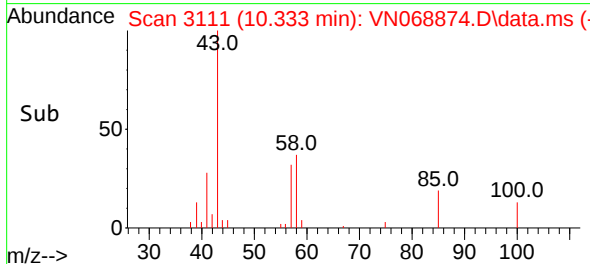
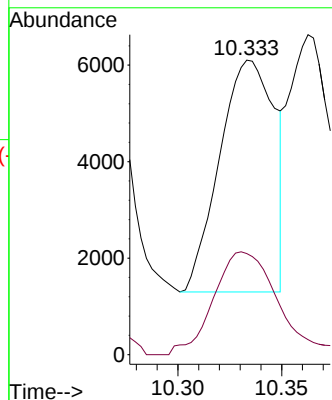
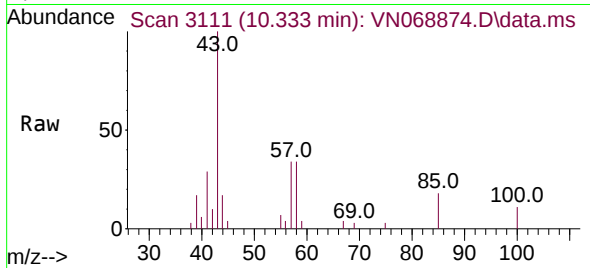




#51
4-Methyl-2-Pentanone
Concen: 1.417 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

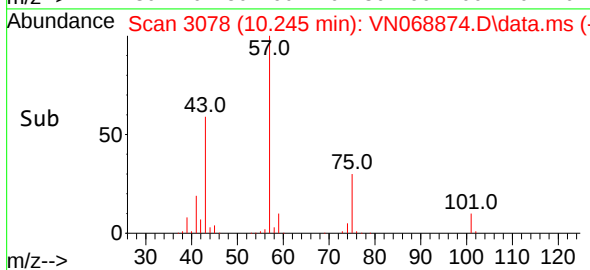
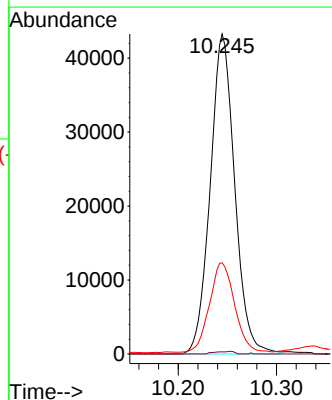
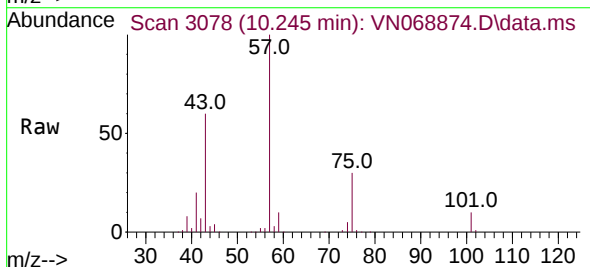
Instrument :
MSVOA_N
ClientSampled :

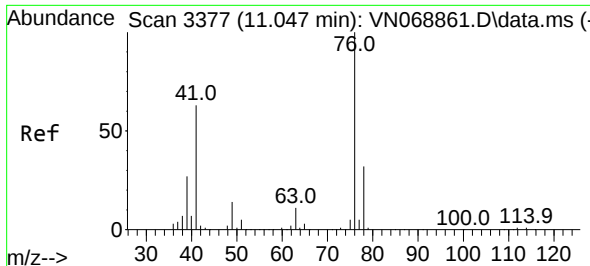
Tgt Ion: 43 Resp: 8823
Ion Ratio Lower Upper
43 100
58 51.4 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 9.638 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

Tgt Ion: 75 Resp: 74820
Ion Ratio Lower Upper
75 100
77 0.6 25.6 38.4#
39 28.0 42.9 64.3#

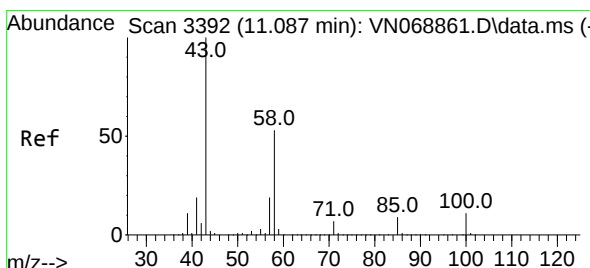
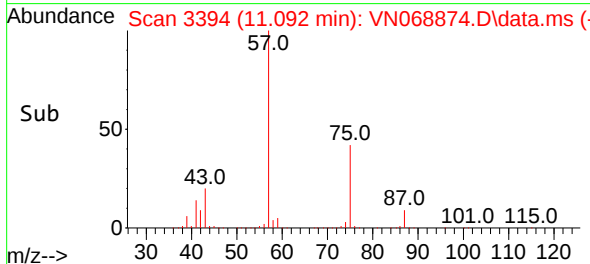
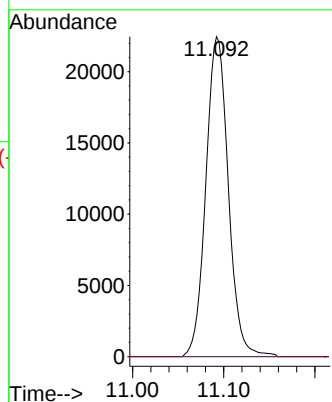
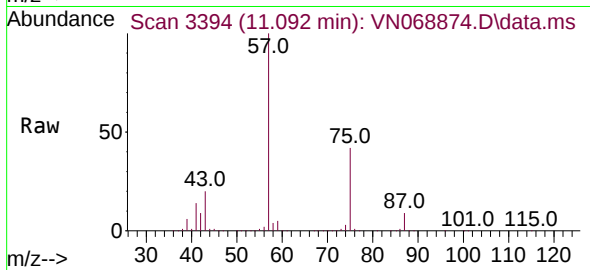




#57
1,3-Dichloropropane
Concen: 5.122 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

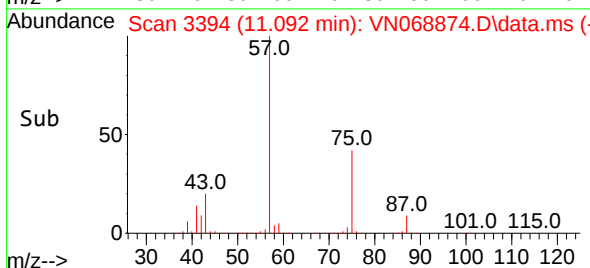
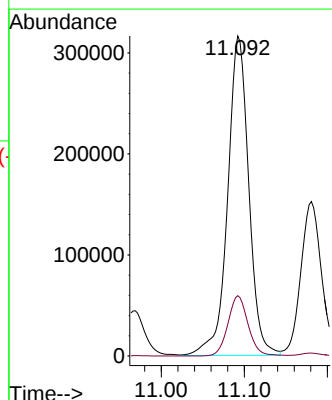
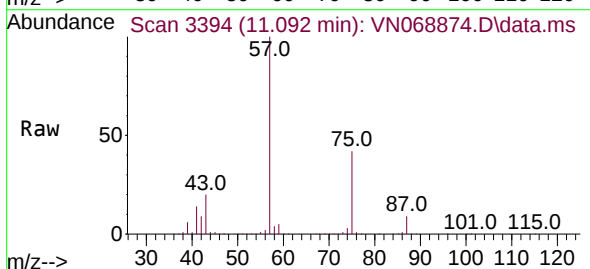
Instrument :
MSVOA_N
ClientSampled :

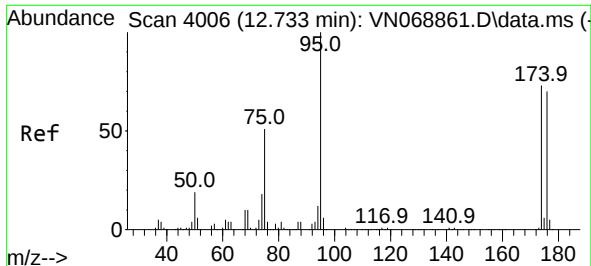
Tgt Ion: 76 Resp: 38444
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 125.165 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

Tgt Ion: 43 Resp: 558909
Ion Ratio Lower Upper
43 100
58 18.1 26.9 80.7#

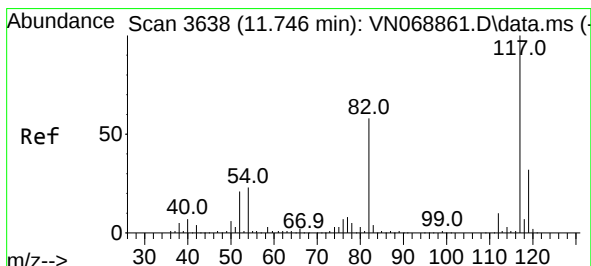
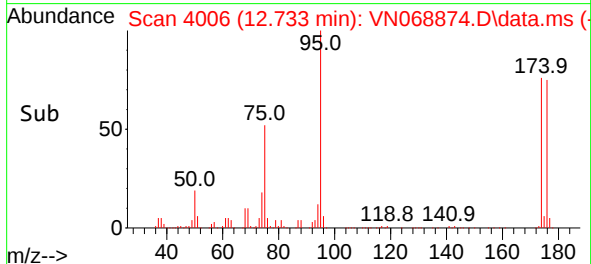
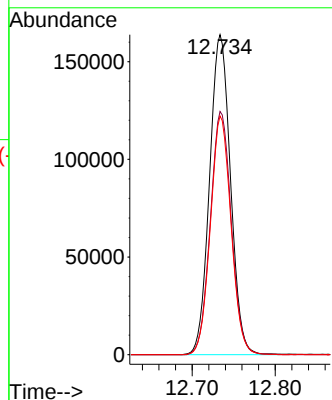
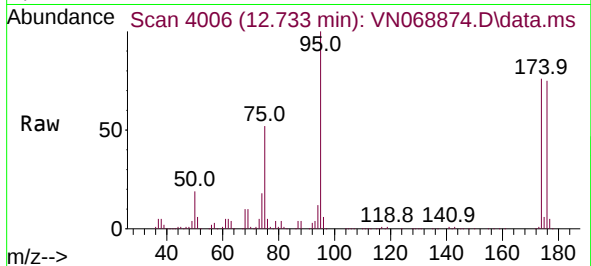




#62
4-Bromofluorobenzene
Concen: 47.308 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

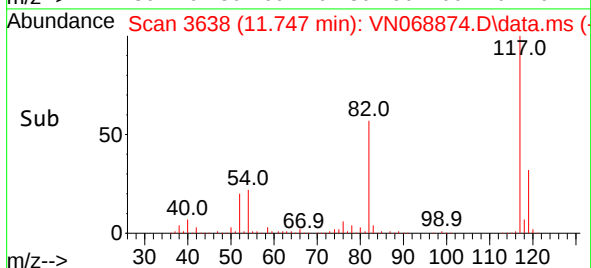
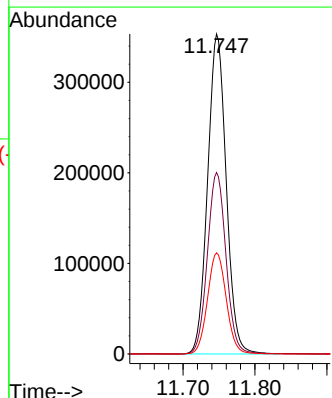
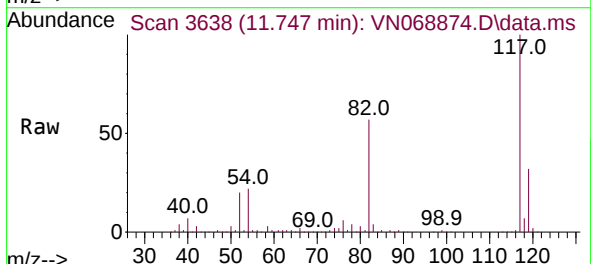
Instrument :
MSVOA_N
ClientSampleId :

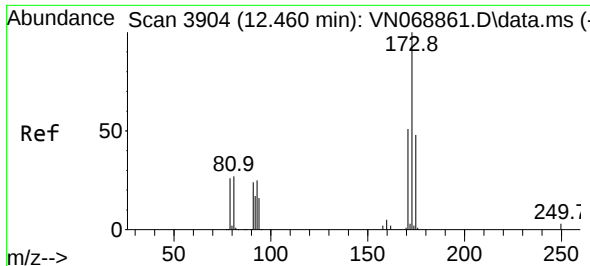
Tgt Ion: 95 Resp: 286666
Ion Ratio Lower Upper
95 100
174 76.3 0.0 144.8
176 73.6 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

Tgt Ion: 117 Resp: 635743
Ion Ratio Lower Upper
117 100
82 56.7 46.4 69.6
119 31.6 26.0 39.0

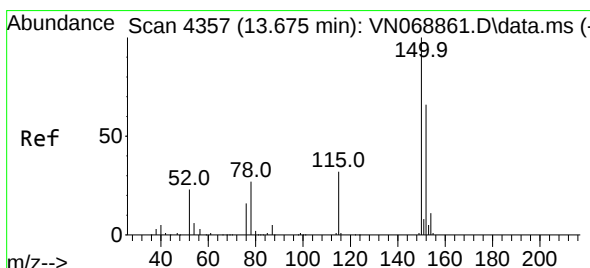
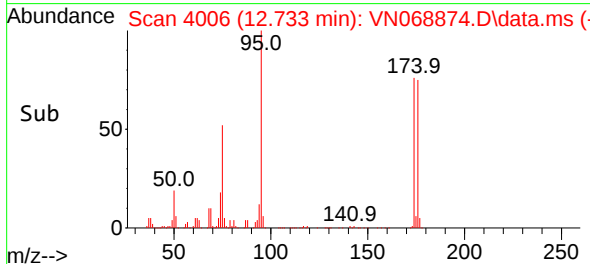
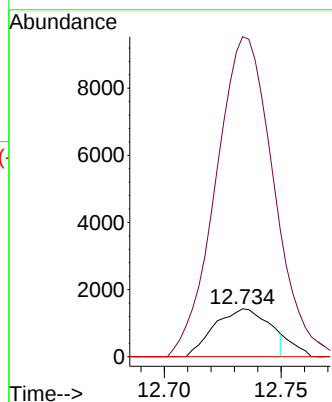
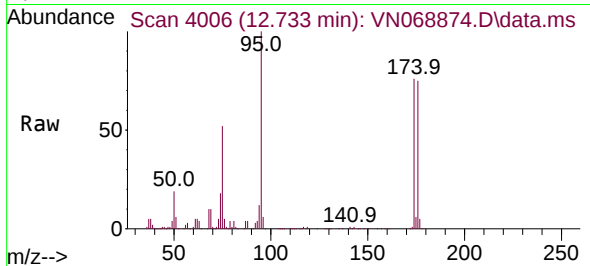




#71
Bromoform
Concen: 0.620 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

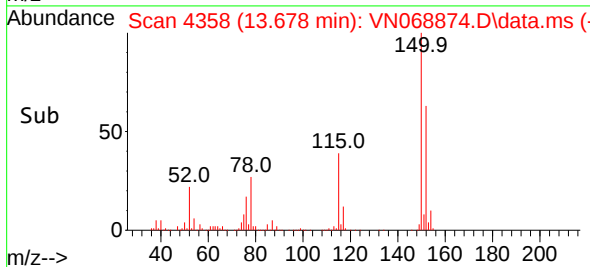
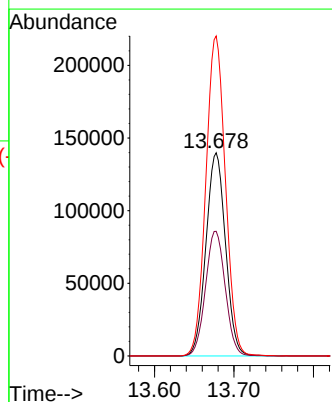
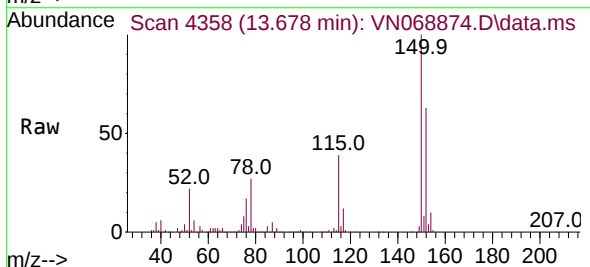
Instrument :
MSVOA_N
ClientSampleId :

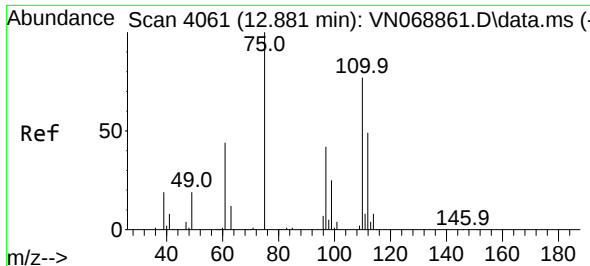
Tgt Ion:173 Resp: 2338
Ion Ratio Lower Upper
173 100
175 643.7 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

Tgt Ion:152 Resp: 239332
Ion Ratio Lower Upper
152 100
115 61.8 31.4 94.3
150 157.3 0.0 351.0

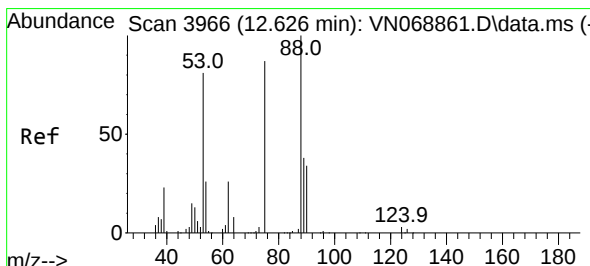
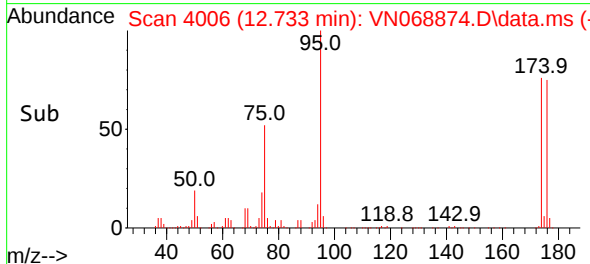
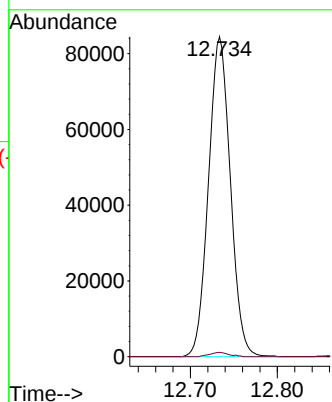
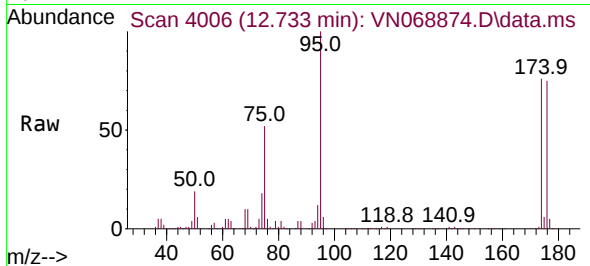




#76
1,2,3-Trichloropropane
Concen: 28.971 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

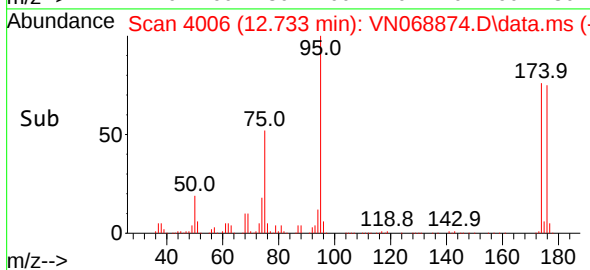
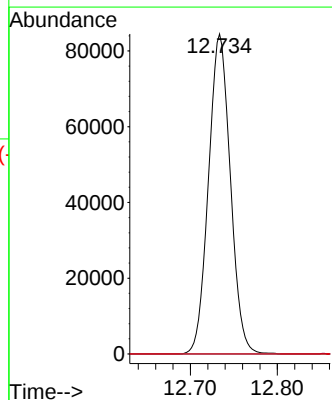
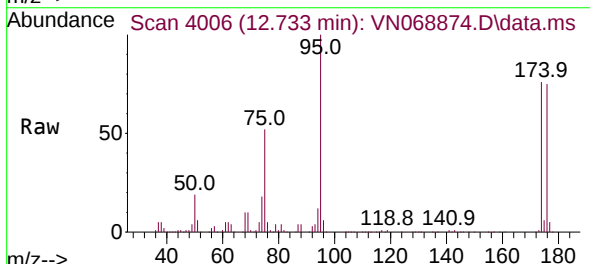
Instrument :
MSVOA_N
ClientSampled :

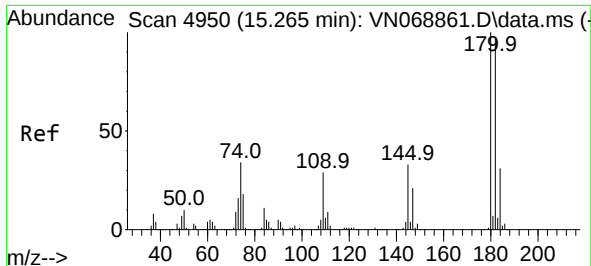
Tgt Ion: 75 Resp: 147527
Ion Ratio Lower Upper
75 100
77 1.2 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.310 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

Tgt Ion: 75 Resp: 147527
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

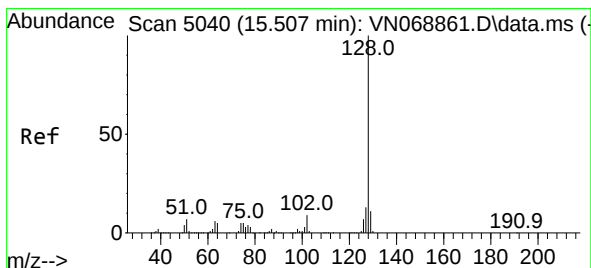
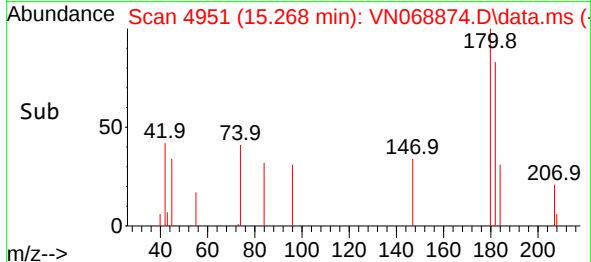
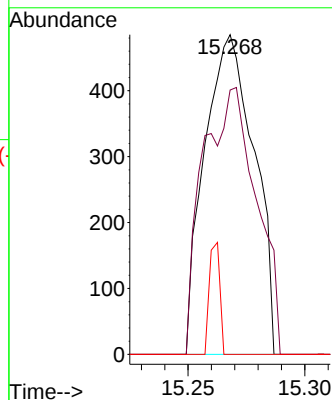
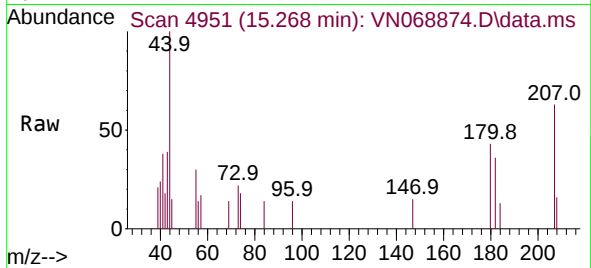




#93
1,2,4-Trichlorobenzene
Concen: 2.770 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

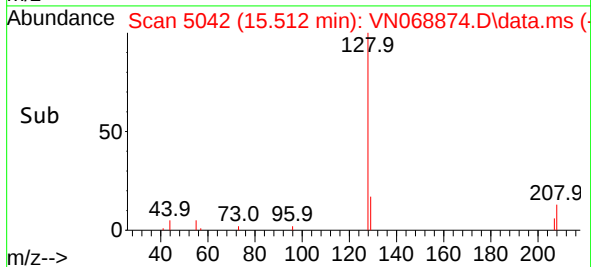
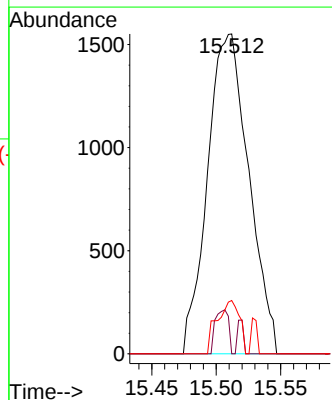
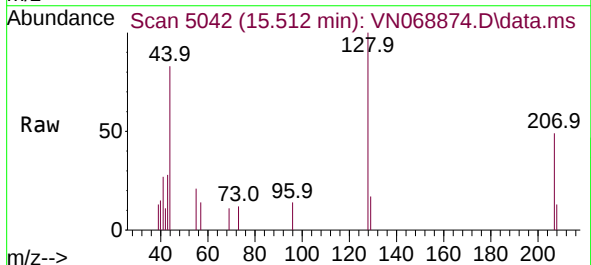
Instrument :
MSVOA_N
ClientSampled :

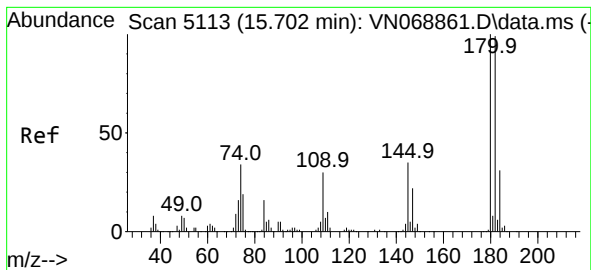
Tgt Ion:180 Resp: 714
Ion Ratio Lower Upper
180 100
182 90.2 47.9 143.7
145 7.4 16.4 49.2#



#95
Naphthalene
Concen: 4.099 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068874.D
Acq: 12 Oct 2021 20:40

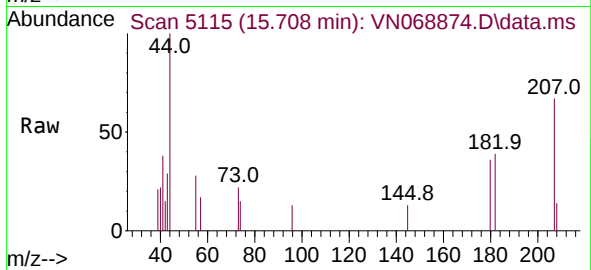
Tgt Ion:128 Resp: 3456
Ion Ratio Lower Upper
128 100
127 4.5 10.5 15.7#
129 9.1 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 2.677 ug/l
 RT: 15.708 min Scan# 5115
 Delta R.T. 0.006 min
 Lab File: VN068874.D
 Acq: 12 Oct 2021 20:40

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 658
 Ion Ratio Lower Upper
 180 100
 182 111.1 48.1 144.3
 145 7.8 17.4 52.2#

