

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101421\
 Data File : VN068938.D
 Acq On : 14 Oct 2021 20:52
 Operator : JC/MD
 Sample : M4192-11
 Misc : 5.57g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 14 22:52:10 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)

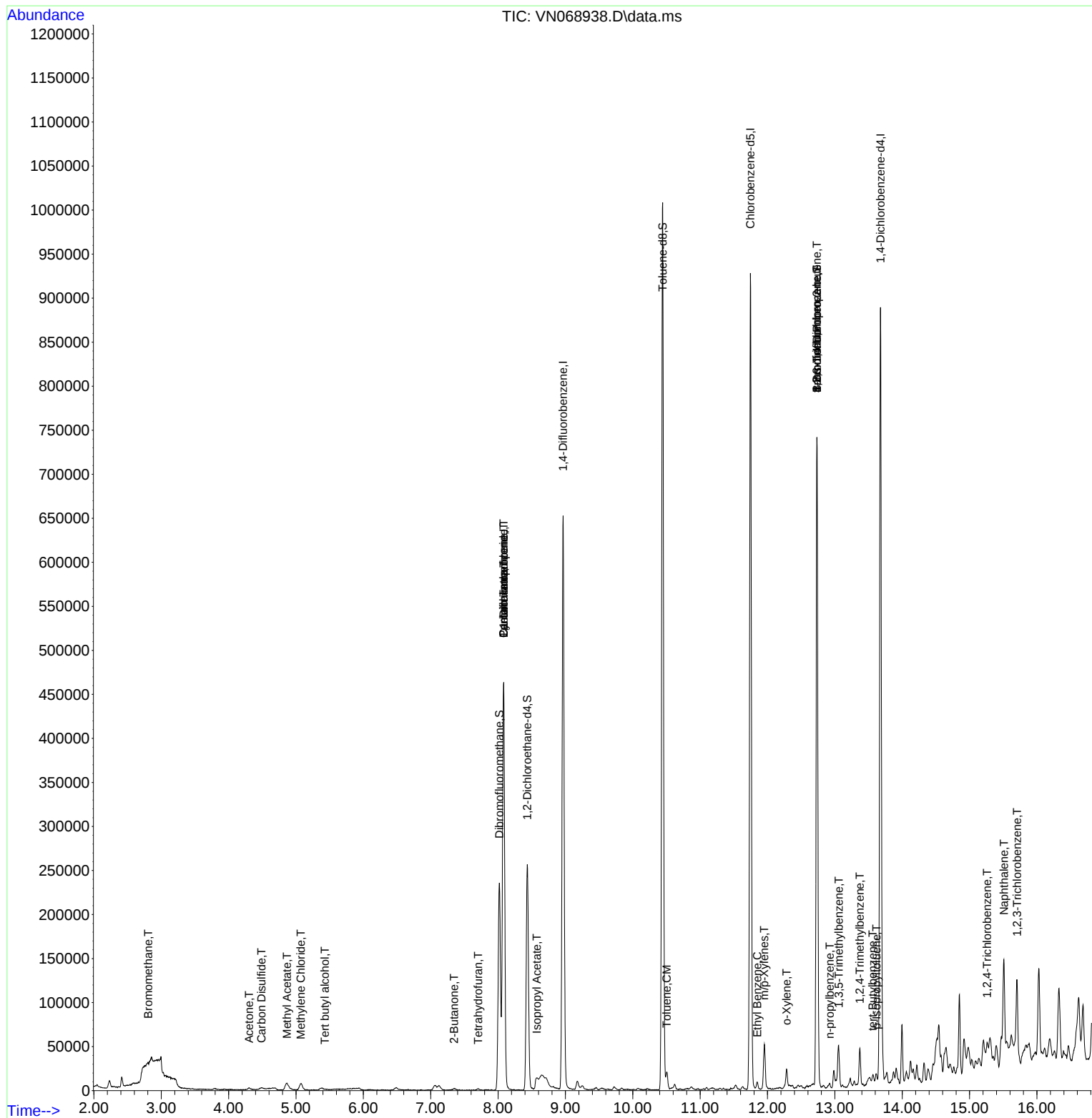
Internal Standards						
1) Pentafluorobenzene	8.083	168	363429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	596559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	553540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	242077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	215129	44.896	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.800%		
35) Dibromofluoromethane	8.018	113	175392	50.533	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.060%		
50) Toluene-d8	10.443	98	727159	52.361	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.720%		
62) 4-Bromofluorobenzene	12.733	95	259884	49.600	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.200%		
Target Compounds						Qvalue
5) Bromomethane	2.807	94	1024	0.413	ug/l #	18
11) Tert butyl alcohol	5.430	59	232	0.265	ug/l #	72
16) Acetone	4.304	43	1347	0.753	ug/l #	66
17) Carbon Disulfide	4.486	76	3672	0.385	ug/l #	75
18) Methyl Acetate	4.867	43	20255	2.986	ug/l	98
20) Methylene Chloride	5.074	84	6296	1.530	ug/l	95
25) 2-Butanone	7.348	43	2846	1.053	ug/l	90
29) Tetrahydrofuran	7.705	42	1049	0.598	ug/l #	47
31) Cyclohexane	8.083	56	8117	1.089	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	27387	5.375	ug/l #	49
38) Carbon Tetrachloride	8.083	117	35752	6.389	ug/l #	16
43) Isopropyl Acetate	8.576	43	9709	1.046	ug/l #	55
52) Toluene	10.502	92	5793	0.580	ug/l	92
67) Ethyl Benzene	11.848	91	6021	0.309	ug/l	98
68) m/p-Xylenes	11.953	106	11564	1.568	ug/l	92
69) o-Xylene	12.283	106	6121	0.829	ug/l	91
71) Bromoform	12.733	173	1502	0.457	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	130802	25.395	ug/l #	1
78) n-propylbenzene	12.924	91	4655	0.206	ug/l	94
80) 1,3,5-Trimethylbenzene	13.061	105	11930	0.711	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.733	75	130802	60.756	ug/l #	12
83) tert-Butylbenzene	13.562	119	3170	0.217	ug/l	72
84) 1,2,4-Trimethylbenzene	13.372	105	25144	1.555	ug/l	99
86) p-Isopropyltoluene	13.618	119	6051	0.373	ug/l	93
93) 1,2,4-Trichlorobenzene	15.260	180	77	2.619	ug/l #	1
95) Naphthalene	15.509	128	110163	12.870	ug/l	99
96) 1,2,3-Trichlorobenzene	15.705	180	225	2.569	ug/l #	12

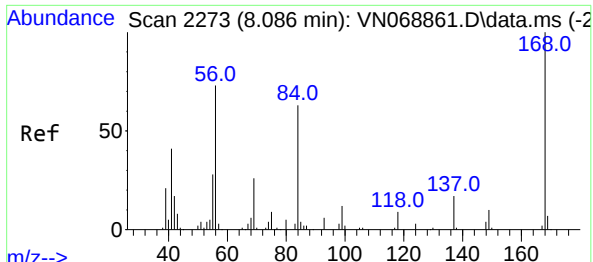
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

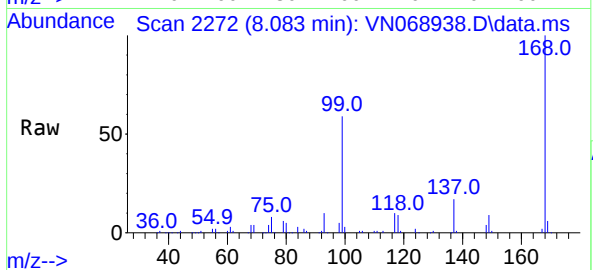
Quant Time: Oct 14 22:52:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 13 05:44:40 2021
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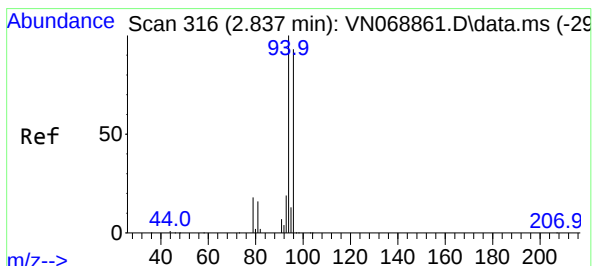
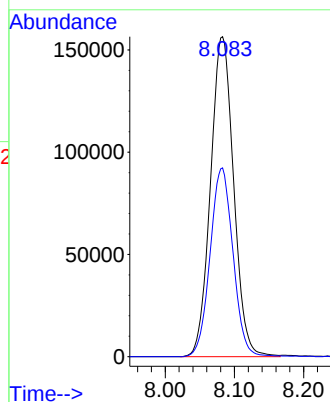
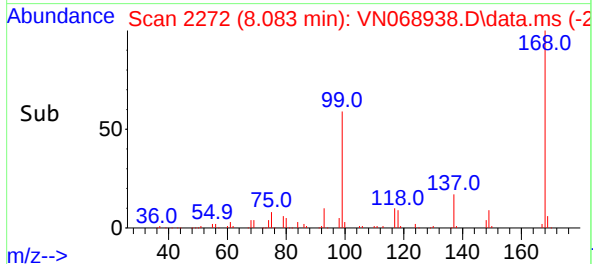


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.003 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

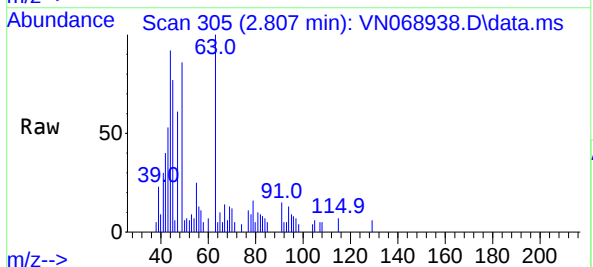
Instrument :
MSVOA_N
ClientSampled :



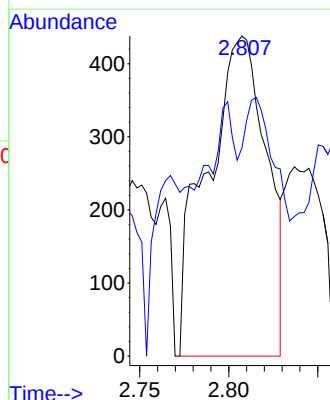
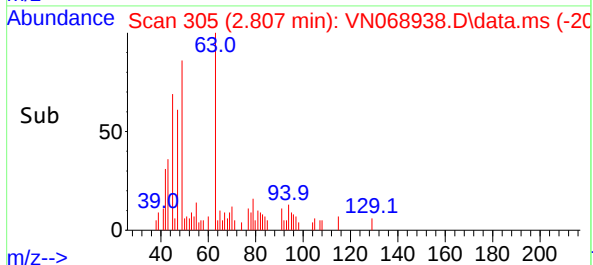
Tgt Ion:168 Resp: 363429
Ion Ratio Lower Upper
168 100
99 59.0 48.9 73.3

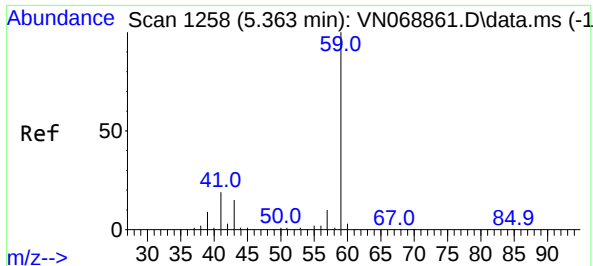


#5
Bromomethane
Concen: 0.413 ug/l
RT: 2.807 min Scan# 305
Delta R.T. -0.030 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52



Tgt Ion: 94 Resp: 1024
Ion Ratio Lower Upper
94 100
96 13.9 74.2 111.4#



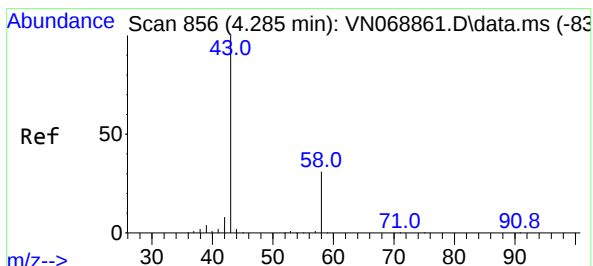
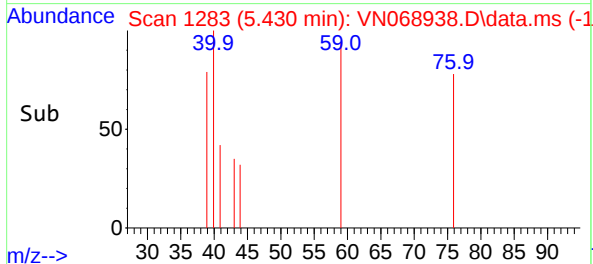
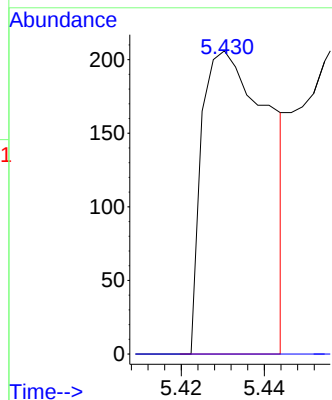
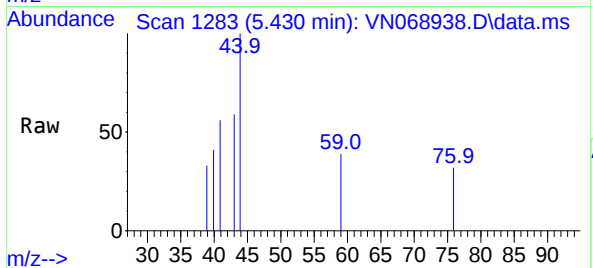


#11

Tert butyl alcohol
Concen: 0.265 ug/l
RT: 5.430 min Scan# 1283
Delta R.T. 0.067 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

Instrument :
MSVOA_N
ClientSampled :

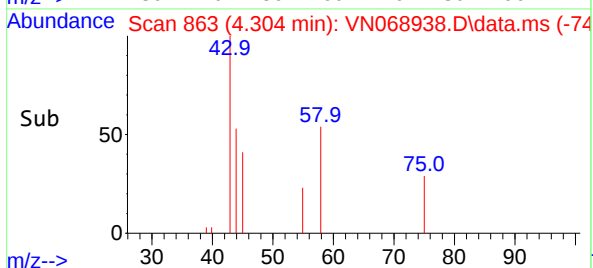
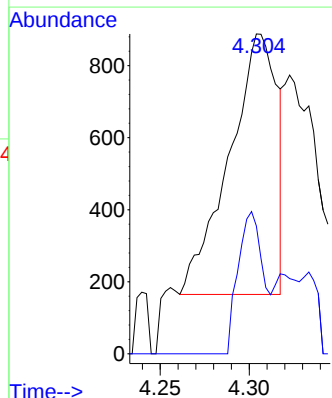
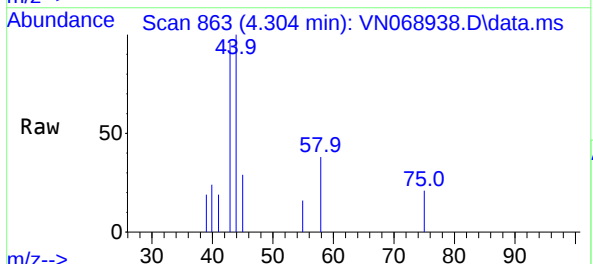
Tgt Ion: 59 Resp: 232
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

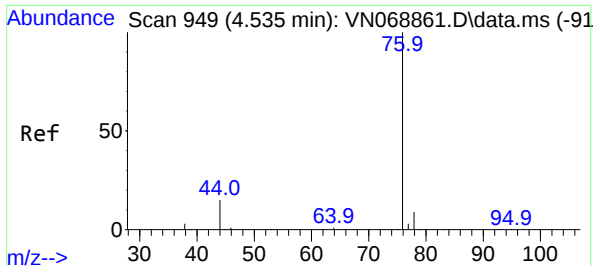


#16

Acetone
Concen: 0.753 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.019 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

Tgt Ion: 43 Resp: 1347
Ion Ratio Lower Upper
43 100
58 49.1 24.5 36.7#

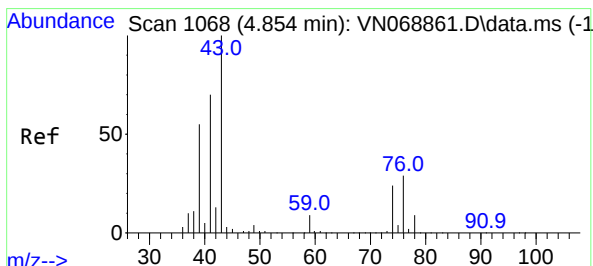
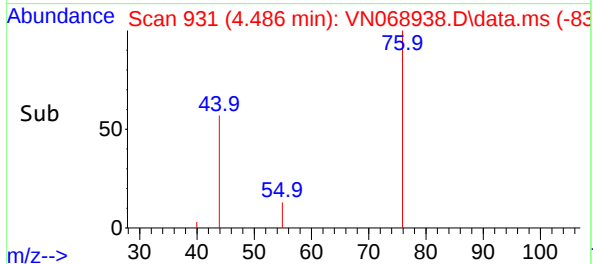
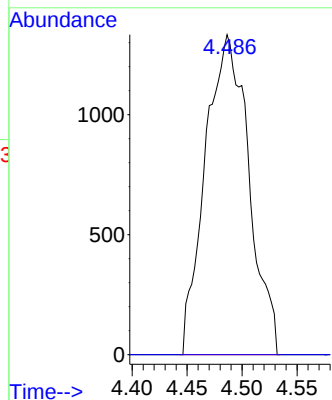
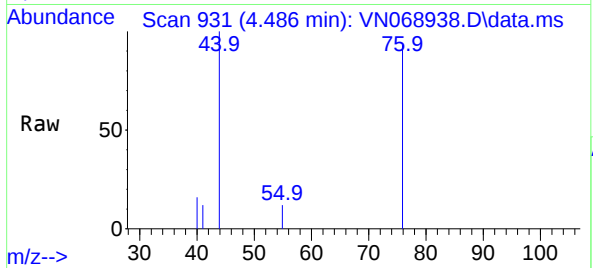




#17
Carbon Disulfide
Concen: 0.385 ug/l
RT: 4.486 min Scan# 931
Delta R.T. -0.048 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

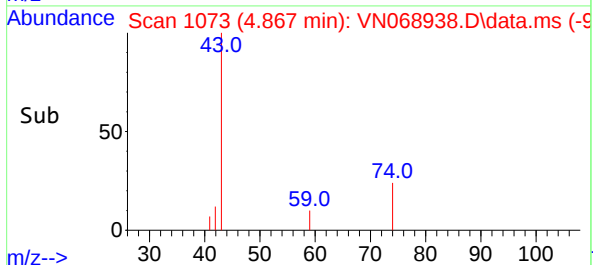
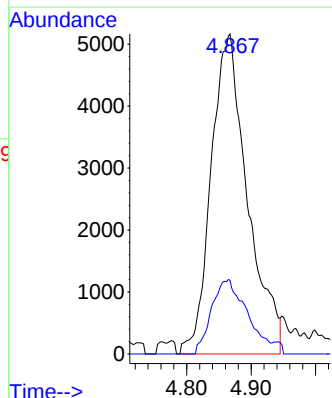
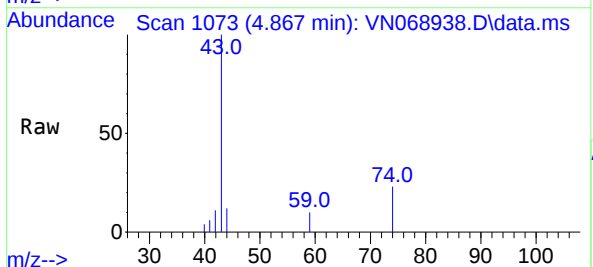
Instrument :
MSVOA_N
ClientSampled :

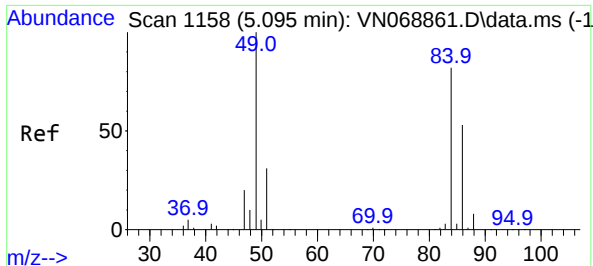
Tgt Ion: 76 Resp: 3672
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 2.986 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

Tgt Ion: 43 Resp: 20255
Ion Ratio Lower Upper
43 100
74 22.6 18.9 28.3



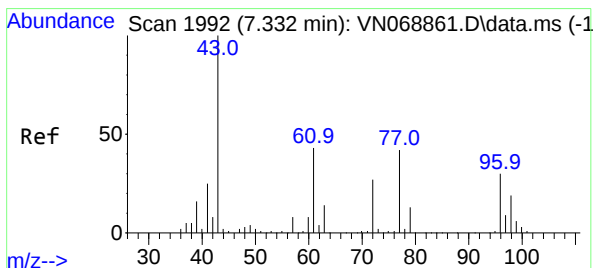
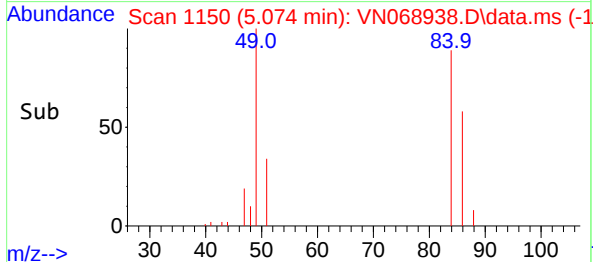
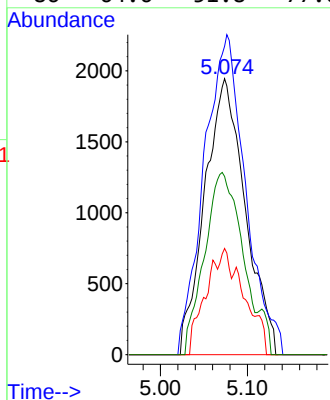
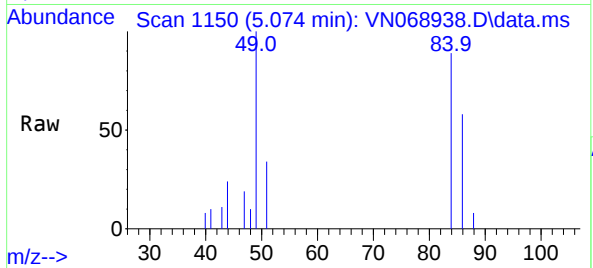


#20
Methylene Chloride
Concen: 1.530 ug/l
RT: 5.074 min Scan# 1150
Delta R.T. -0.022 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 84 Resp: 6296

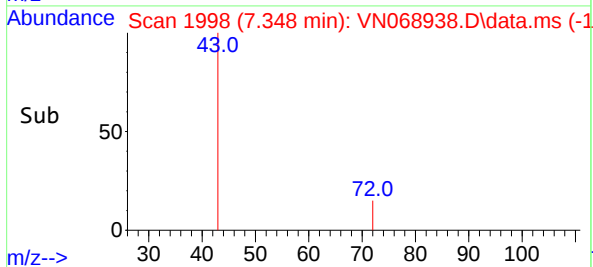
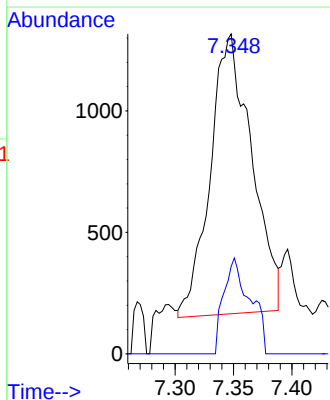
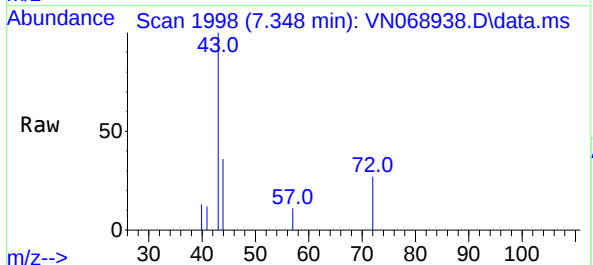
Ion	Ratio	Lower	Upper
84	100		
49	111.8	97.6	146.4
51	38.5	30.3	45.5
86	64.6	51.8	77.6

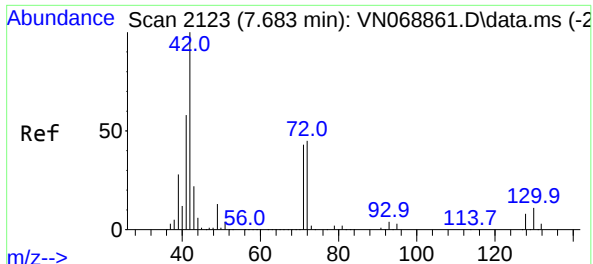


#25
2-Butanone
Concen: 1.053 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

Tgt Ion: 43 Resp: 2846

Ion	Ratio	Lower	Upper
43	100		
72	31.6	21.2	31.8



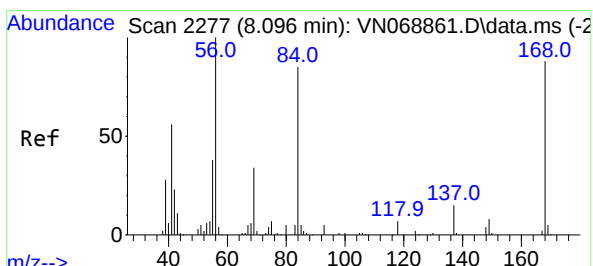
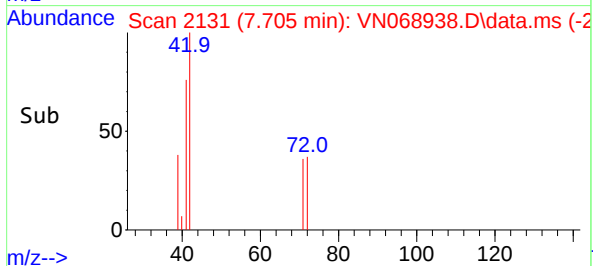
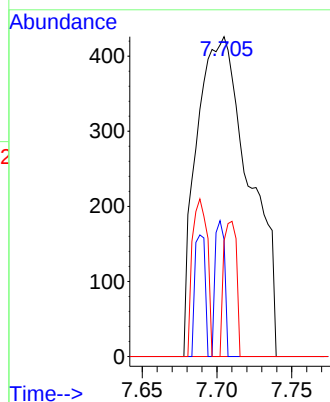
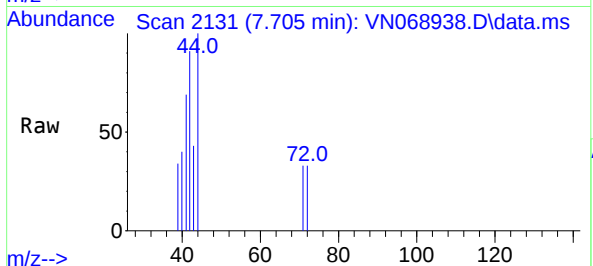


#29
Tetrahydrofuran
Concen: 0.598 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.021 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 42 Resp: 1049

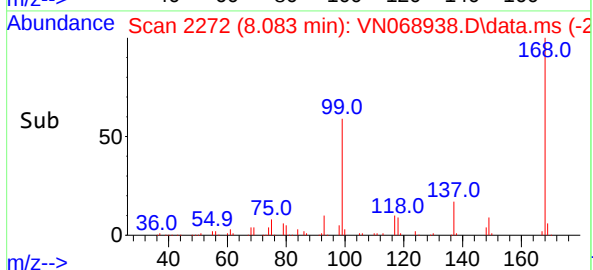
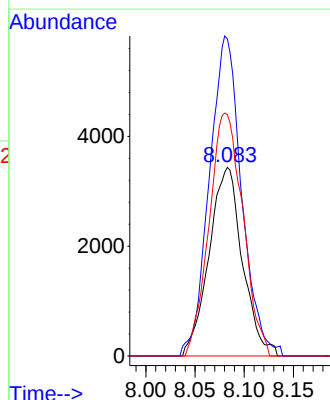
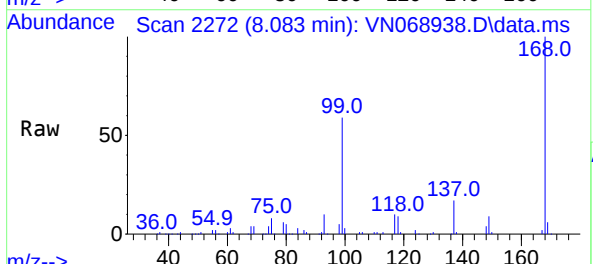
Ion	Ratio	Lower	Upper
42	100		
72	7.7	35.4	53.2#
71	10.2	33.8	50.6#

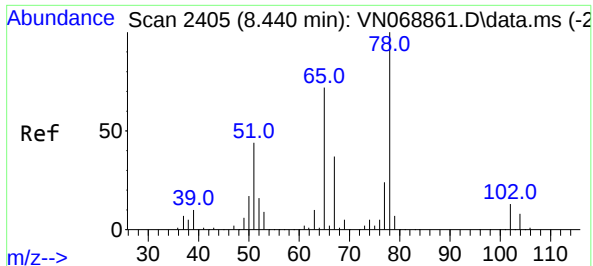


#31
Cyclohexane
Concen: 1.089 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.013 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

Tgt Ion: 56 Resp: 8117

Ion	Ratio	Lower	Upper
56	100		
69	167.9	26.9	40.3#
84	127.9	67.6	101.4#



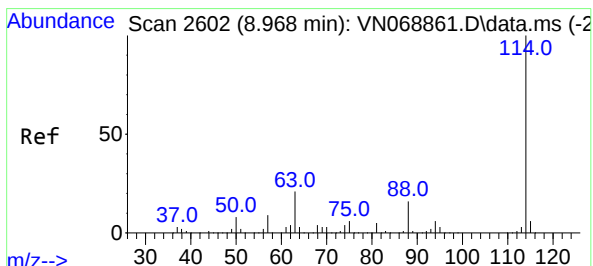
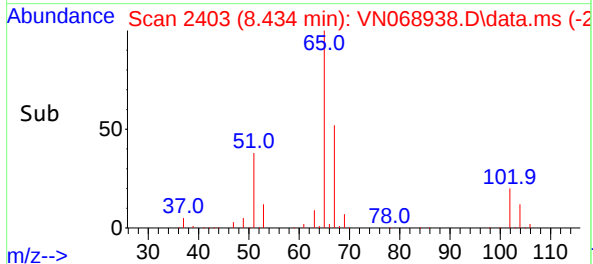
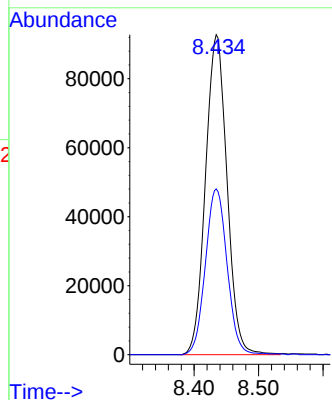
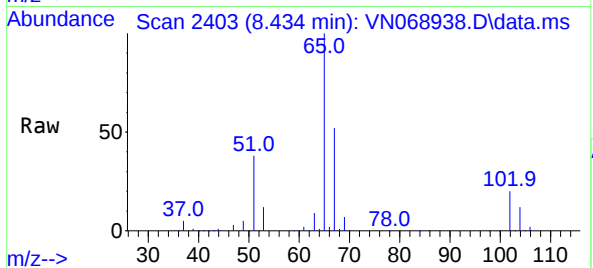


#33

1,2-Dichloroethane-d4
Concen: 44.896 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.005 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

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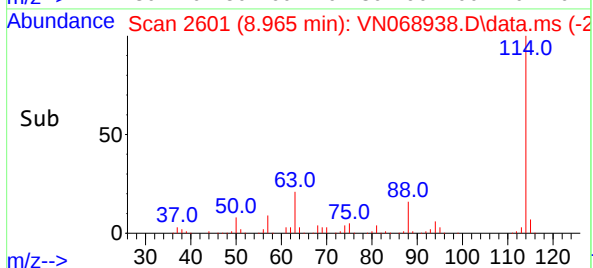
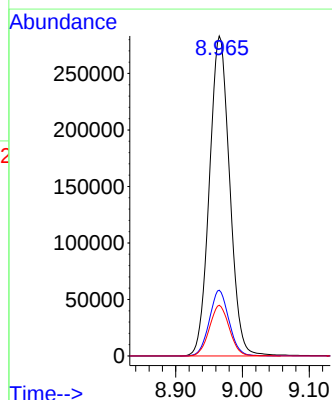
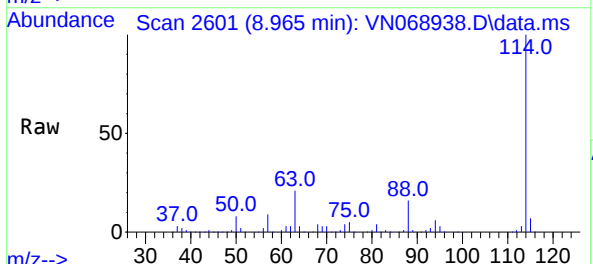
Tgt Ion: 65 Resp: 215129
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.8

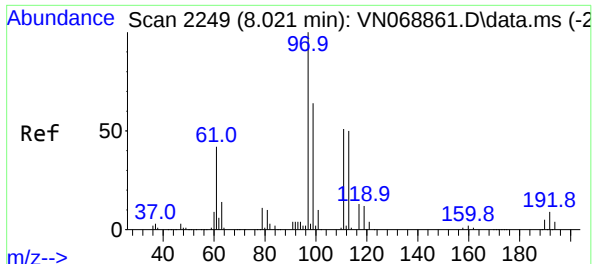


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

Tgt Ion: 114 Resp: 596559
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.6
88 15.8 0.0 32.0

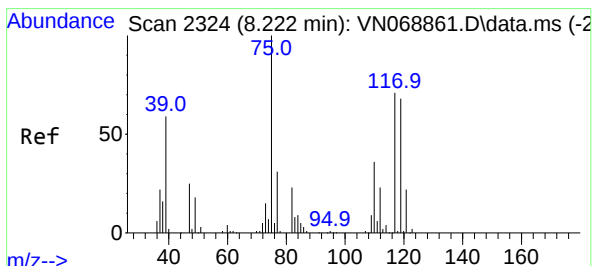
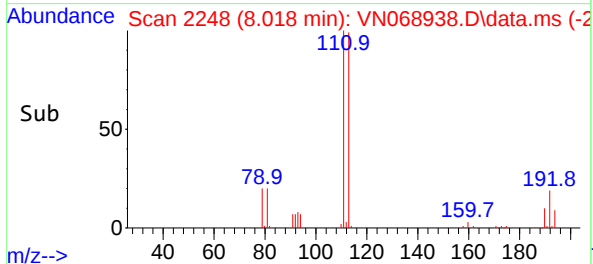
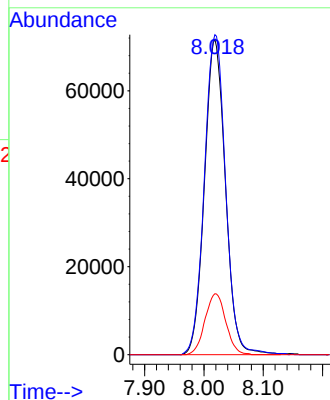
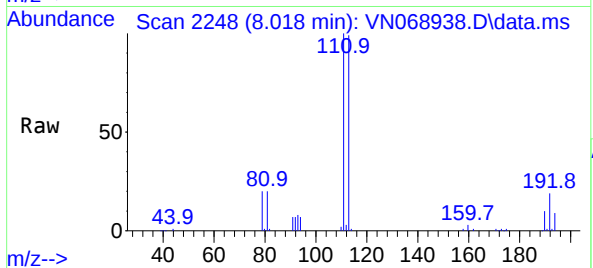




#35
Dibromofluoromethane
Concen: 50.533 ug/l
RT: 8.018 min Scan# 2248
Delta R.T. -0.003 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

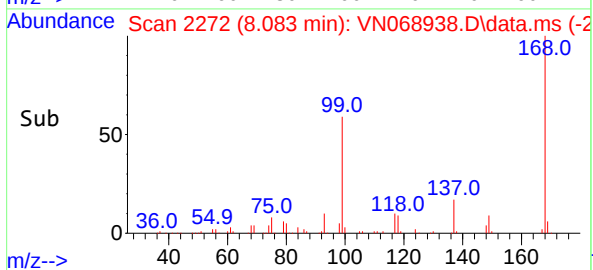
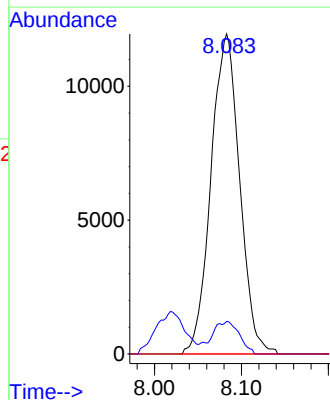
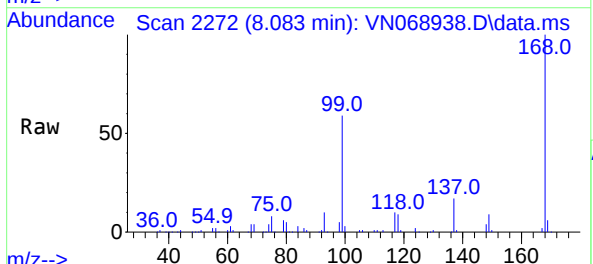
Instrument :
MSVOA_N
ClientSampled :

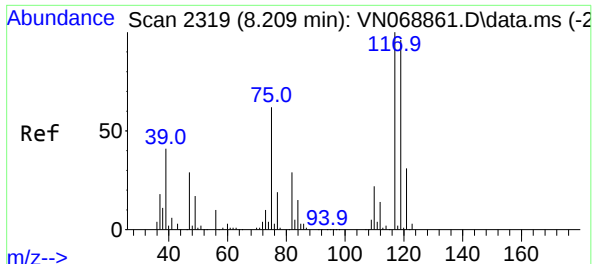
Tgt Ion:113 Resp: 175392
Ion Ratio Lower Upper
113 100
111 103.4 83.2 124.8
192 19.2 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.375 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.140 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

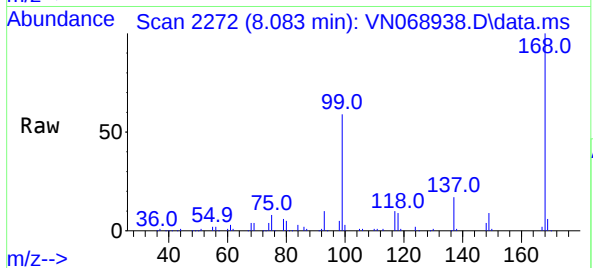
Tgt Ion: 75 Resp: 27387
Ion Ratio Lower Upper
75 100
110 9.1 17.9 53.8#
77 0.0 24.7 37.1#



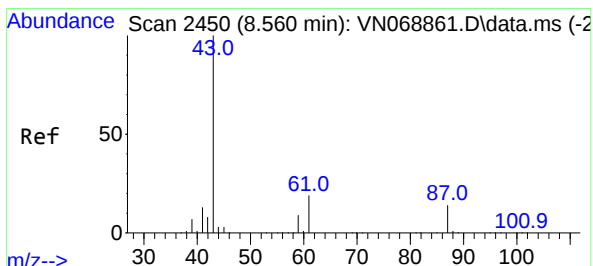
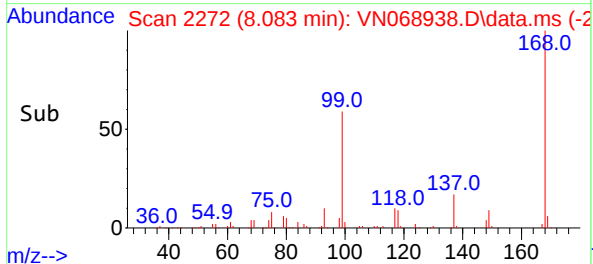
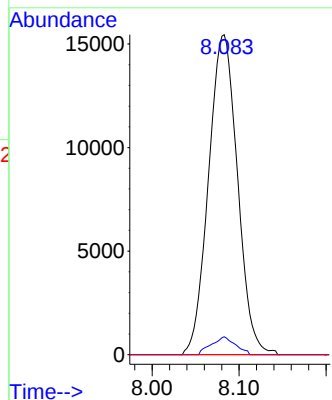


#38
Carbon Tetrachloride
Concen: 6.389 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.126 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

Instrument :
MSVOA_N
ClientSampled :

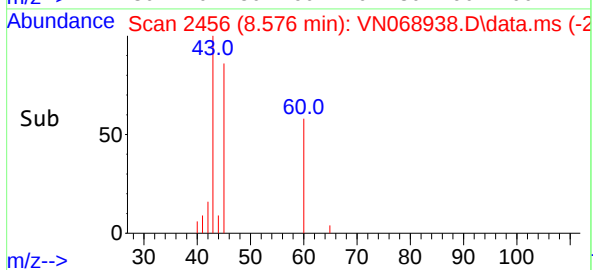
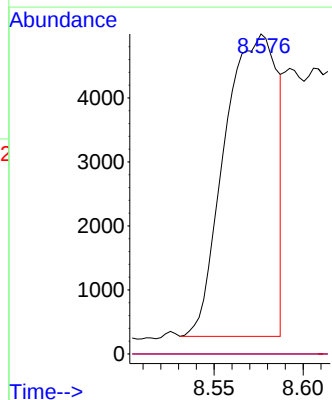
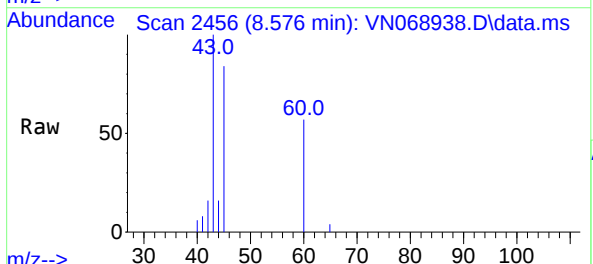


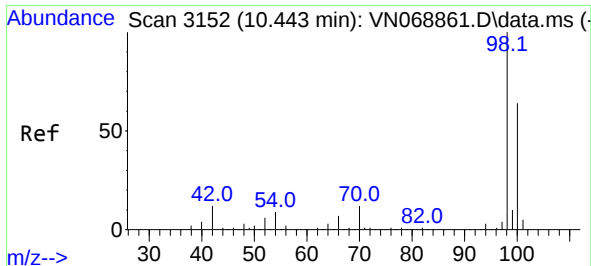
Tgt Ion:117 Resp: 35752
Ion Ratio Lower Upper
117 100
119 5.6 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 1.046 ug/l
RT: 8.576 min Scan# 2456
Delta R.T. 0.016 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

Tgt Ion: 43 Resp: 9709
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

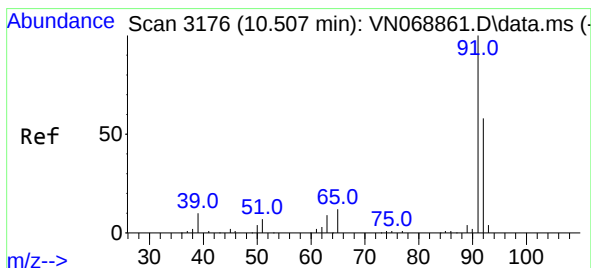
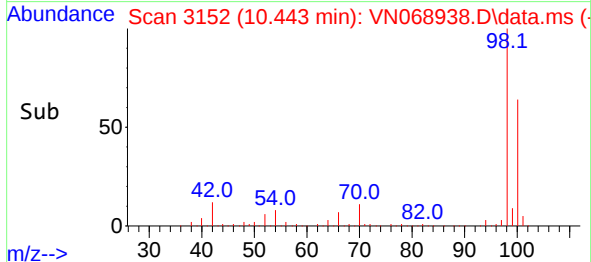
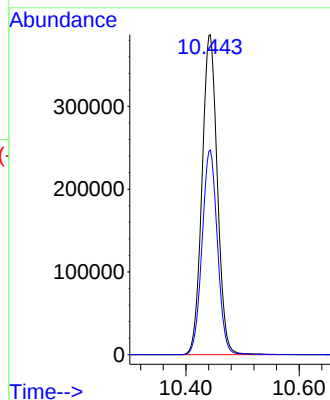
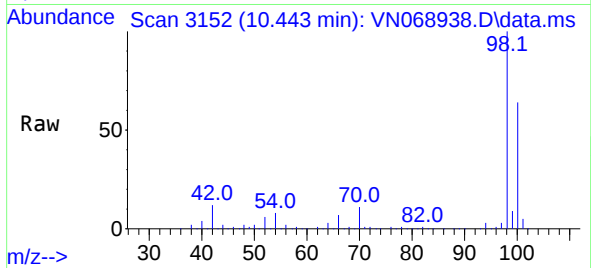




#50
Toluene-d8
Concen: 52.361 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

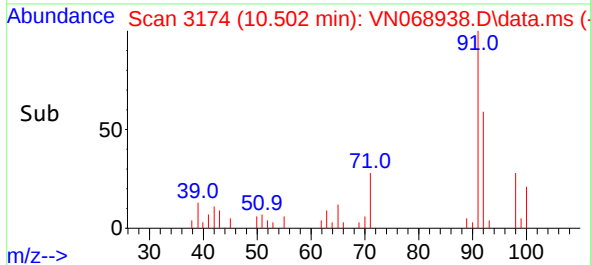
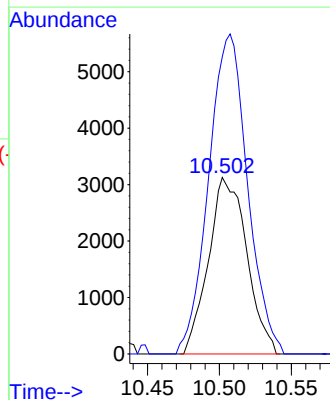
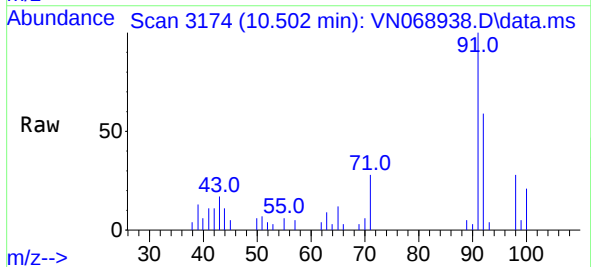
Instrument :
MSVOA_N
ClientSampled :

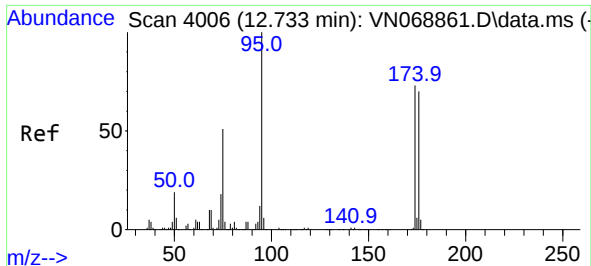
Tgt Ion: 98 Resp: 727159
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#52
Toluene
Concen: 0.580 ug/l
RT: 10.502 min Scan# 3174
Delta R.T. -0.005 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

Tgt Ion: 92 Resp: 5793
Ion Ratio Lower Upper
92 100
91 184.0 138.5 207.7

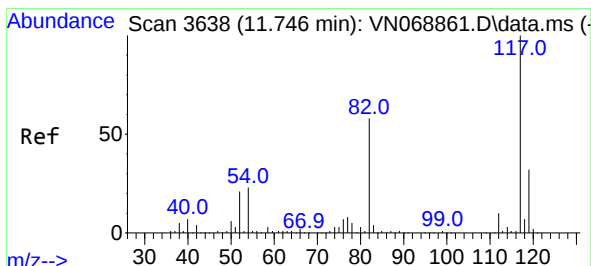
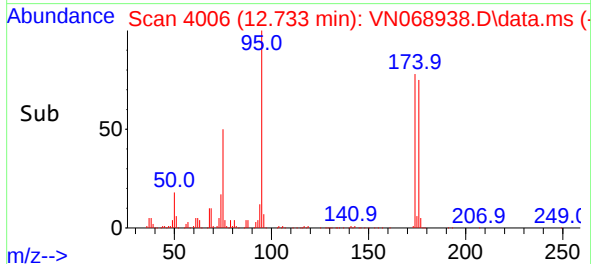
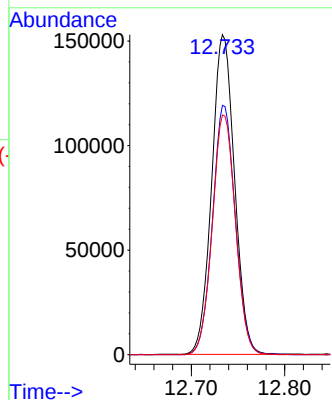
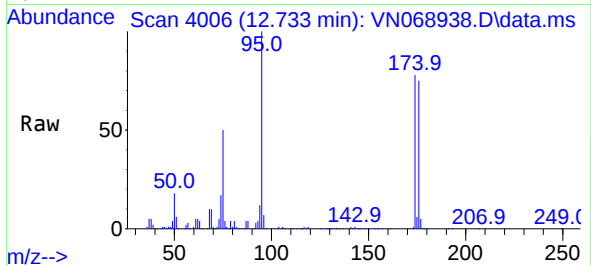




#62
4-Bromofluorobenzene
Concen: 49.600 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

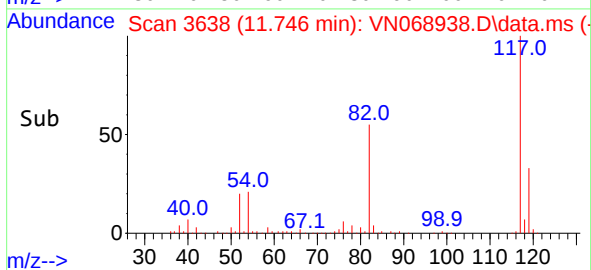
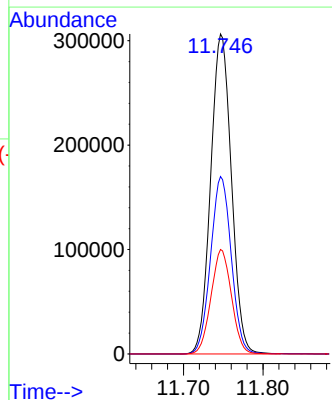
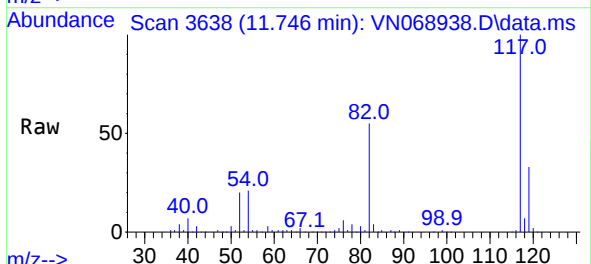
Instrument :
MSVOA_N
ClientSampleId :

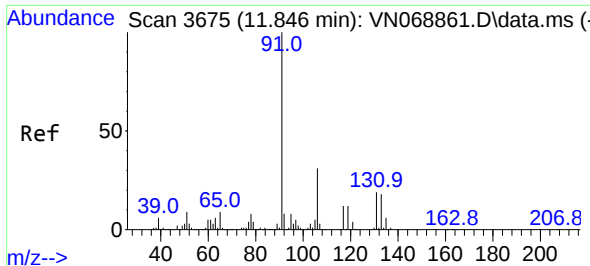
Tgt Ion: 95 Resp: 259884
Ion Ratio Lower Upper
95 100
174 78.2 0.0 144.8
176 75.9 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

Tgt Ion: 117 Resp: 553540
Ion Ratio Lower Upper
117 100
82 55.4 46.4 69.6
119 32.7 26.0 39.0

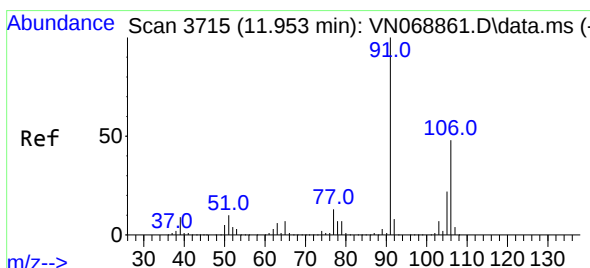
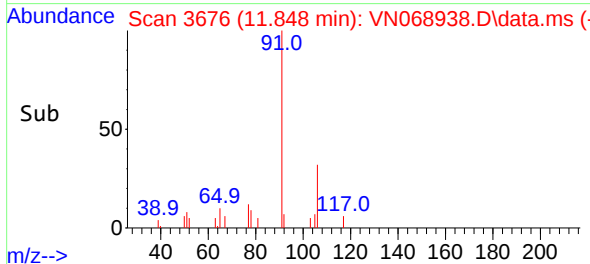
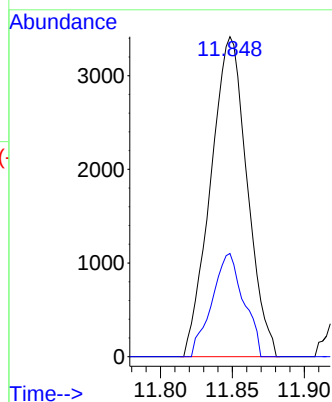
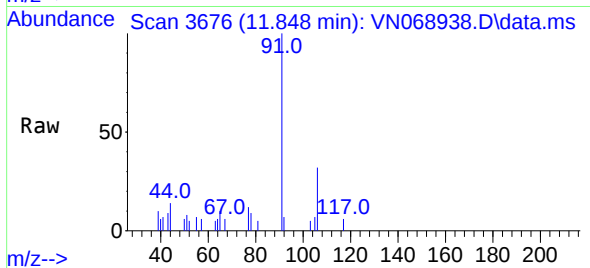




#67
Ethyl Benzene
Concen: 0.309 ug/l
RT: 11.848 min Scan# 3676
Delta R.T. 0.003 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

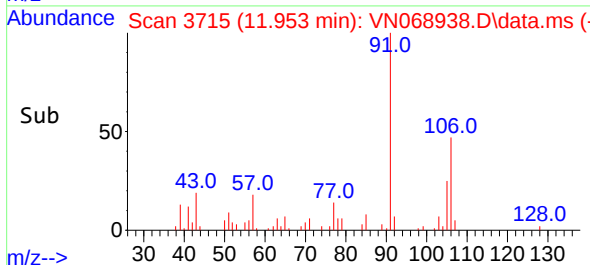
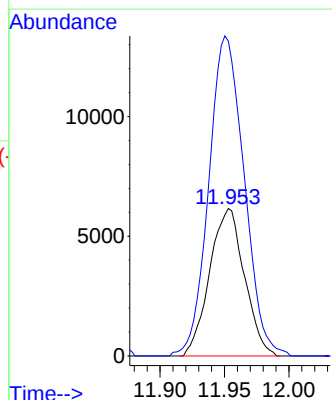
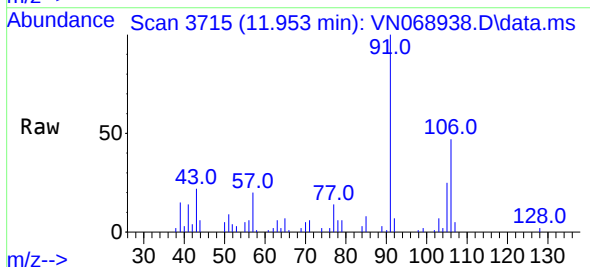
Instrument :
MSVOA_N
ClientSampled :

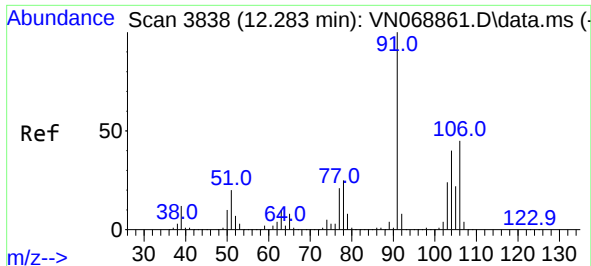
Tgt Ion: 91 Resp: 6021
Ion Ratio Lower Upper
91 100
106 32.3 24.8 37.2



#68
m/p-Xylenes
Concen: 1.568 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.000 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

Tgt Ion: 106 Resp: 11564
Ion Ratio Lower Upper
106 100
91 220.8 166.8 250.2

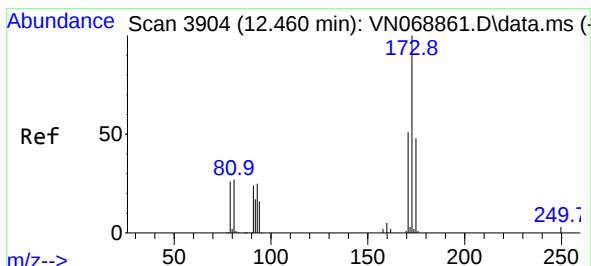
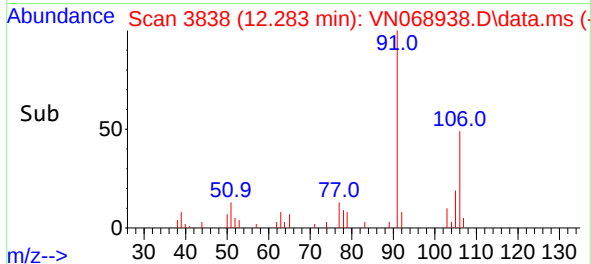
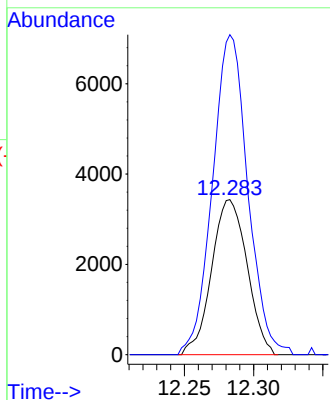
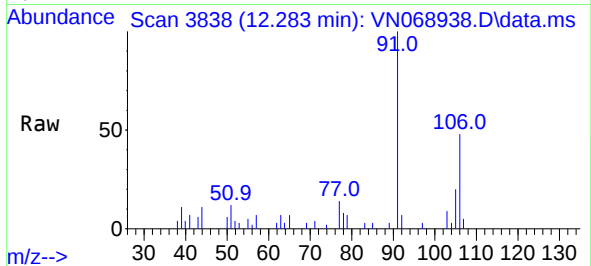




#69
o-Xylene
Concen: 0.829 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. -0.000 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

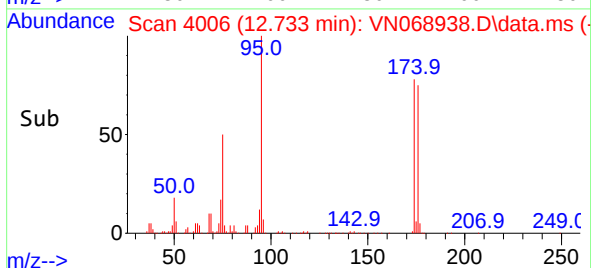
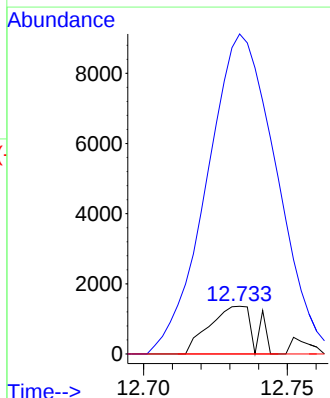
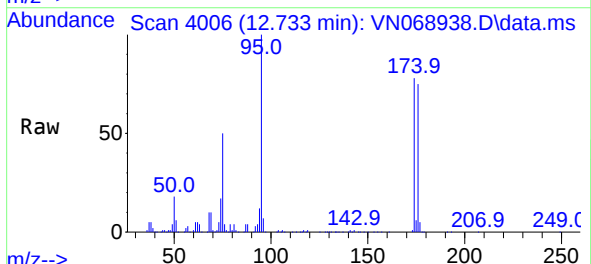
Instrument :
MSVOA_N
ClientSampled :

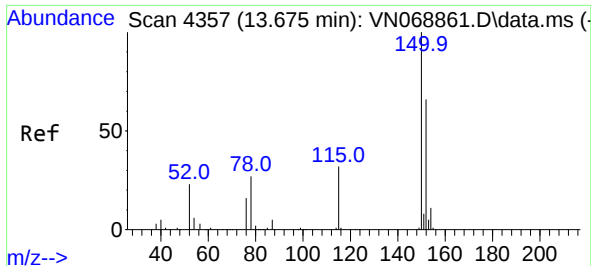
Tgt Ion:106 Resp: 6121
Ion Ratio Lower Upper
106 100
91 205.1 109.6 328.6



#71
Bromoform
Concen: 0.457 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

Tgt Ion:173 Resp: 1502
Ion Ratio Lower Upper
173 100
175 950.1 23.8 71.5#
254 0.0 0.0 0.0

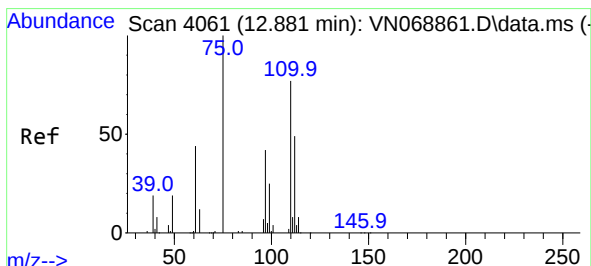
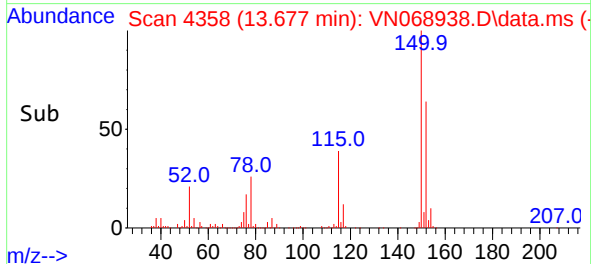
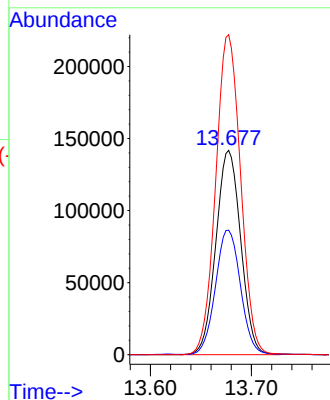
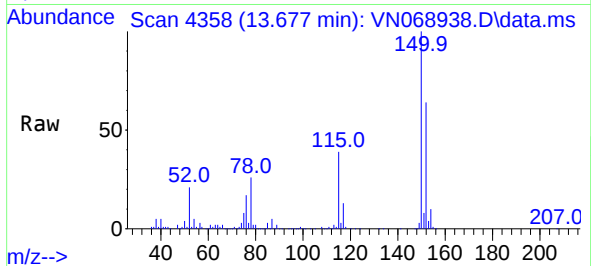




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

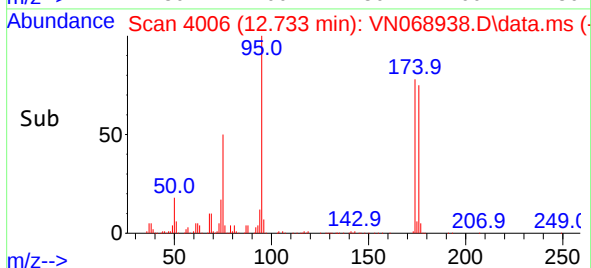
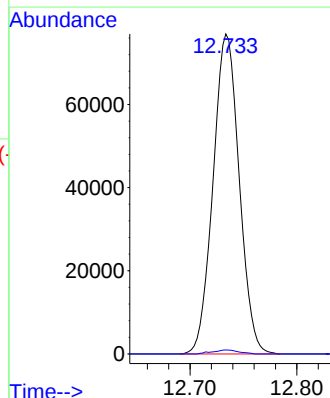
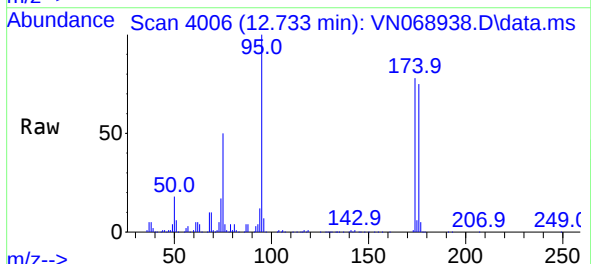
Instrument :
MSVOA_N
ClientSampled :

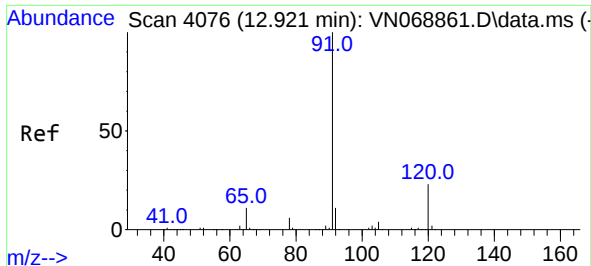
Tgt Ion:152 Resp: 242077
Ion Ratio Lower Upper
152 100
115 61.7 31.4 94.3
150 157.0 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 25.395 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

Tgt Ion: 75 Resp: 130802
Ion Ratio Lower Upper
75 100
77 1.3 96.2 288.4#

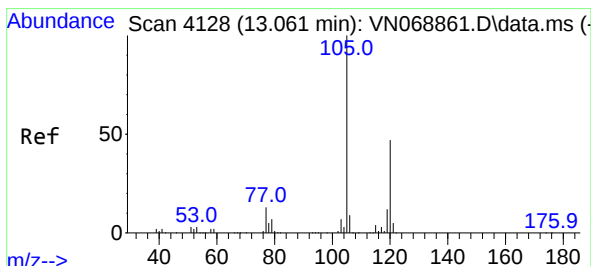
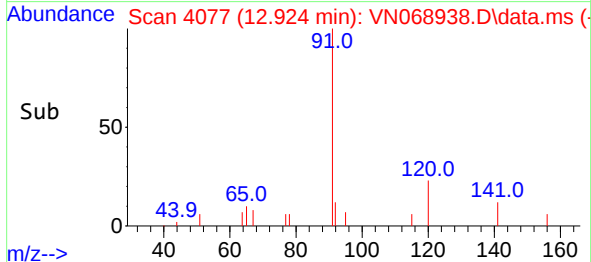
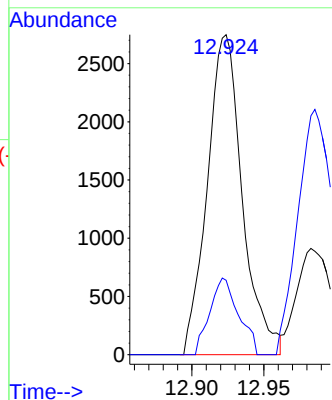
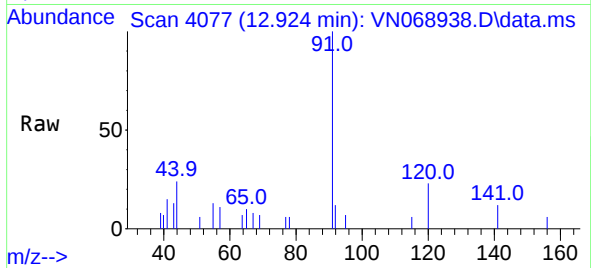




#78
n-propylbenzene
Concen: 0.206 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. 0.003 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

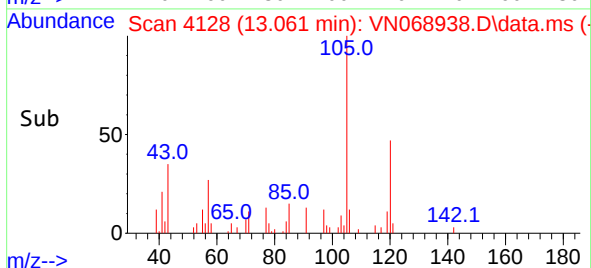
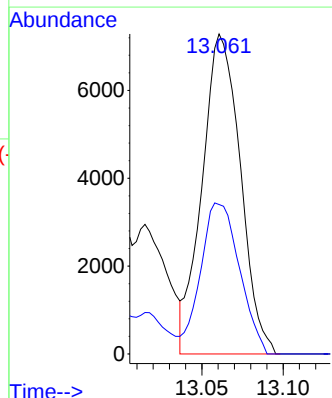
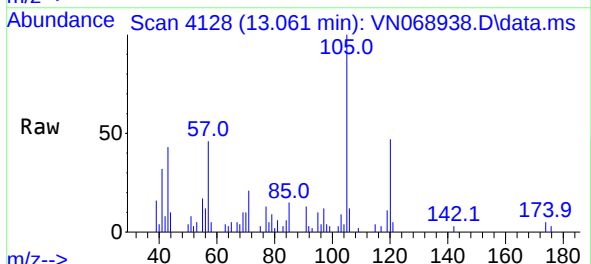
Instrument :
MSVOA_N
ClientSampled :

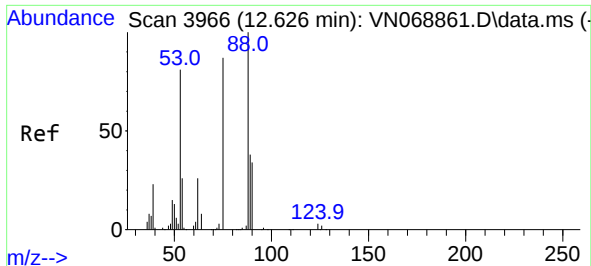
Tgt Ion: 91 Resp: 4655
Ion Ratio Lower Upper
91 100
120 19.7 11.4 34.1



#80
1,3,5-Trimethylbenzene
Concen: 0.711 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.000 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

Tgt Ion: 105 Resp: 11930
Ion Ratio Lower Upper
105 100
120 48.4 23.4 70.2

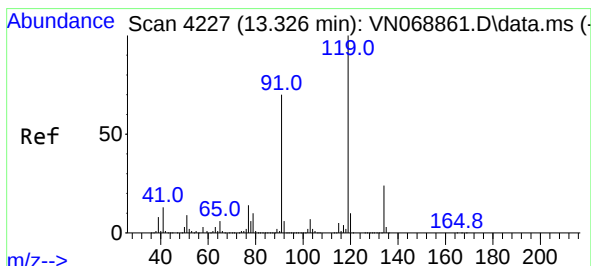
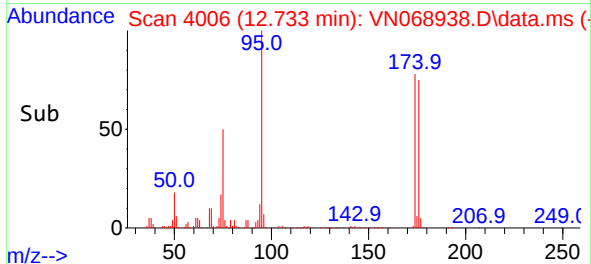
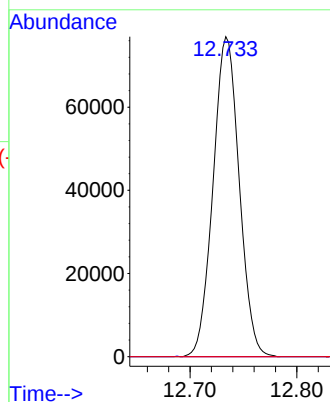
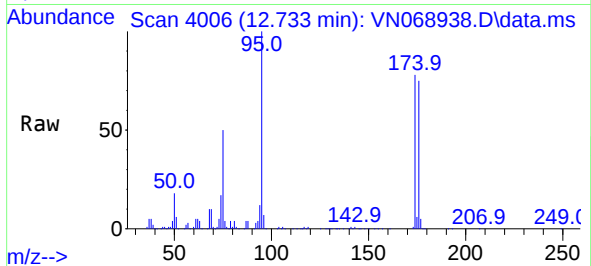




#81
trans-1,4-Dichloro-2-butene
Concen: 60.756 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

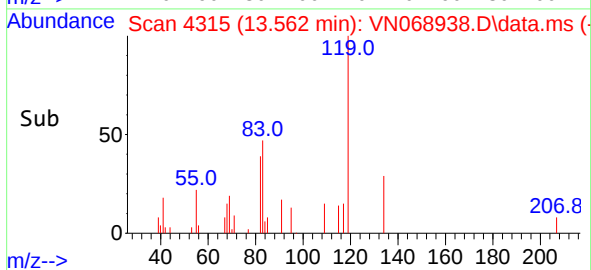
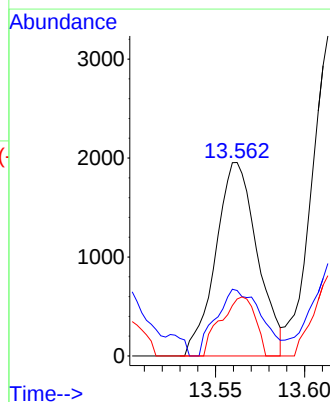
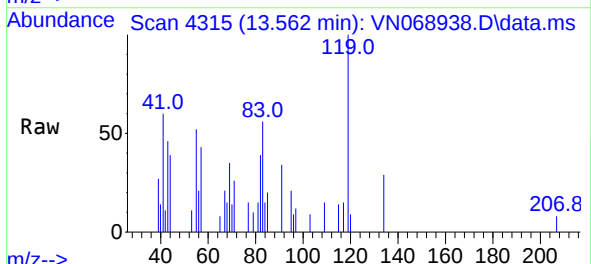
Instrument :
MSVOA_N
ClientSampleId :

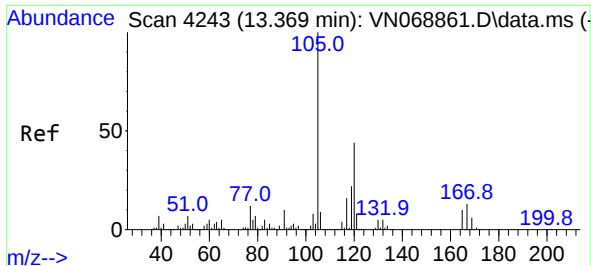
Tgt Ion: 75 Resp: 130802
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#83
tert-Butylbenzene
Concen: 0.217 ug/l
RT: 13.562 min Scan# 4315
Delta R.T. 0.236 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

Tgt Ion: 119 Resp: 3170
Ion Ratio Lower Upper
119 100
91 38.3 34.6 103.9
134 25.4 12.6 37.6

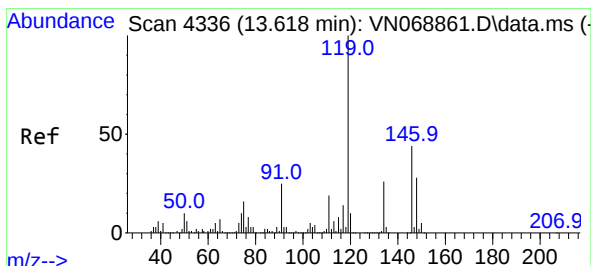
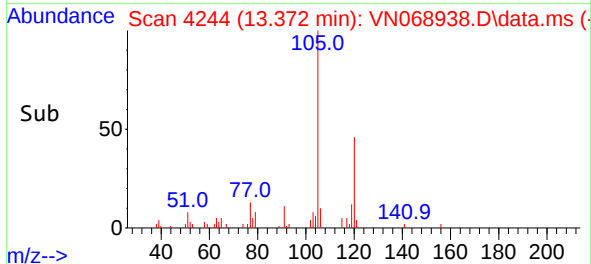
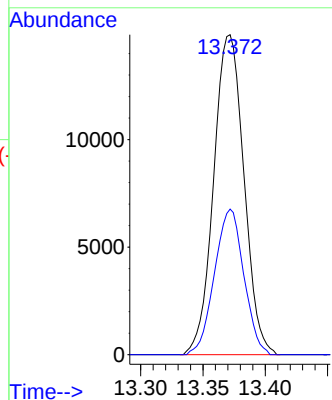
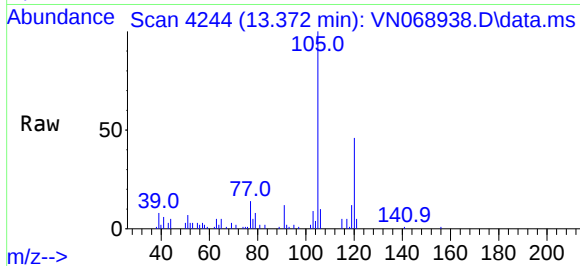




#84
1,2,4-Trimethylbenzene
Concen: 1.555 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

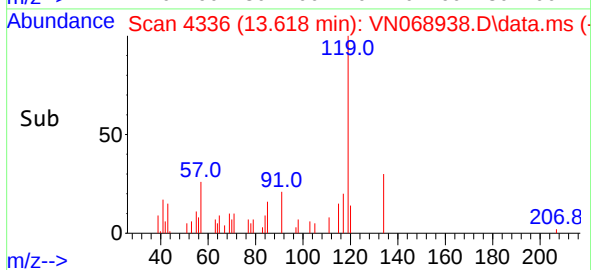
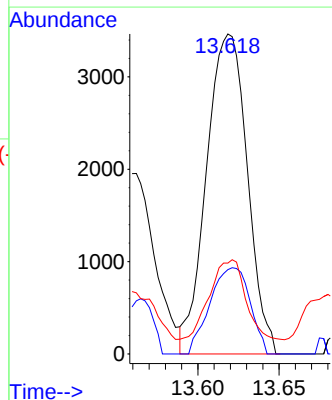
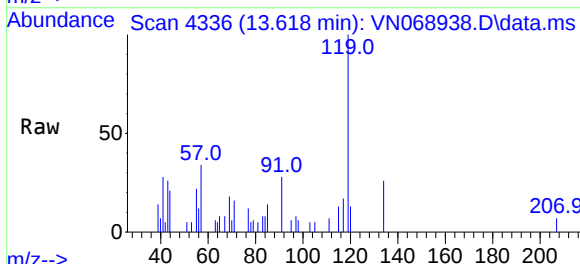
Instrument :
MSVOA_N
ClientSampled :

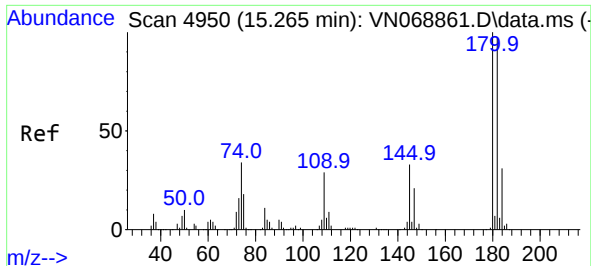
Tgt Ion:105 Resp: 25144
Ion Ratio Lower Upper
105 100
120 44.1 21.9 65.5



#86
p-Isopropyltoluene
Concen: 0.373 ug/l
RT: 13.618 min Scan# 4336
Delta R.T. -0.000 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

Tgt Ion:119 Resp: 6051
Ion Ratio Lower Upper
119 100
134 26.4 12.9 38.6
91 31.6 12.8 38.4

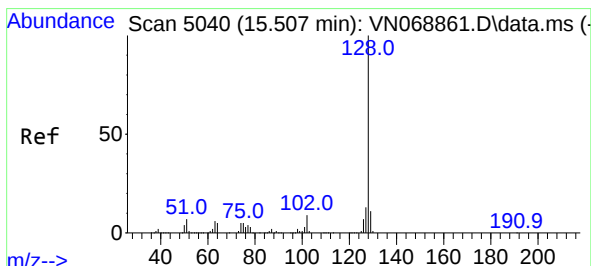
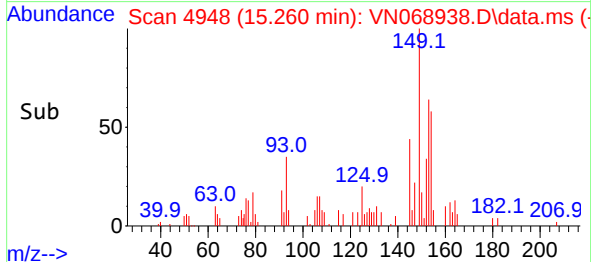
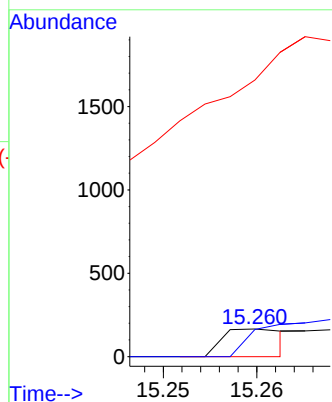
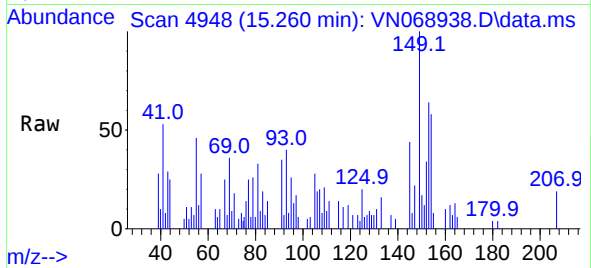




#93
1,2,4-Trichlorobenzene
Concen: 2.619 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

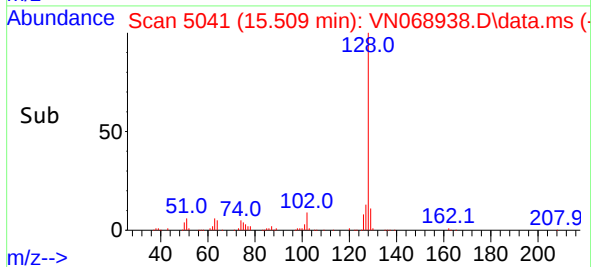
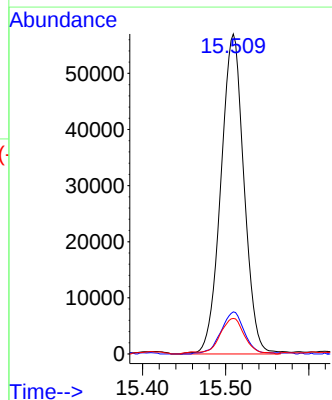
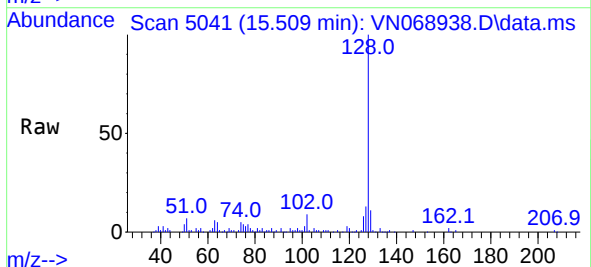
Instrument :
MSVOA_N
ClientSampleId :

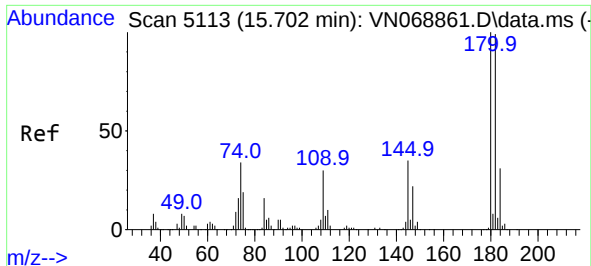
Tgt Ion:180 Resp: 77
Ion Ratio Lower Upper
180 100
182 290.9 47.9 143.7#
145 5441.6 16.4 49.2#



#95
Naphthalene
Concen: 12.870 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068938.D
Acq: 14 Oct 2021 20:52

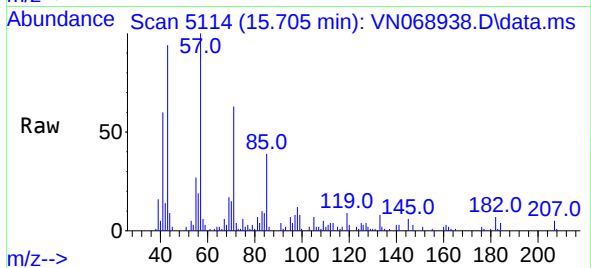
Tgt Ion:128 Resp: 110163
Ion Ratio Lower Upper
128 100
127 13.5 10.5 15.7
129 11.6 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 2.569 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN068938.D
 Acq: 14 Oct 2021 20:52

Instrument :
 MSVOA_N
 ClientSampled :



Tgt Ion:180 Resp: 225
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.1 144.3#
 145 0.0 17.4 52.2#

