

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102121\
 Data File : VN069109.D
 Acq On : 22 Oct 2021 00:51
 Operator : JC/MD
 Sample : M4307-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 22 01:37:43 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)

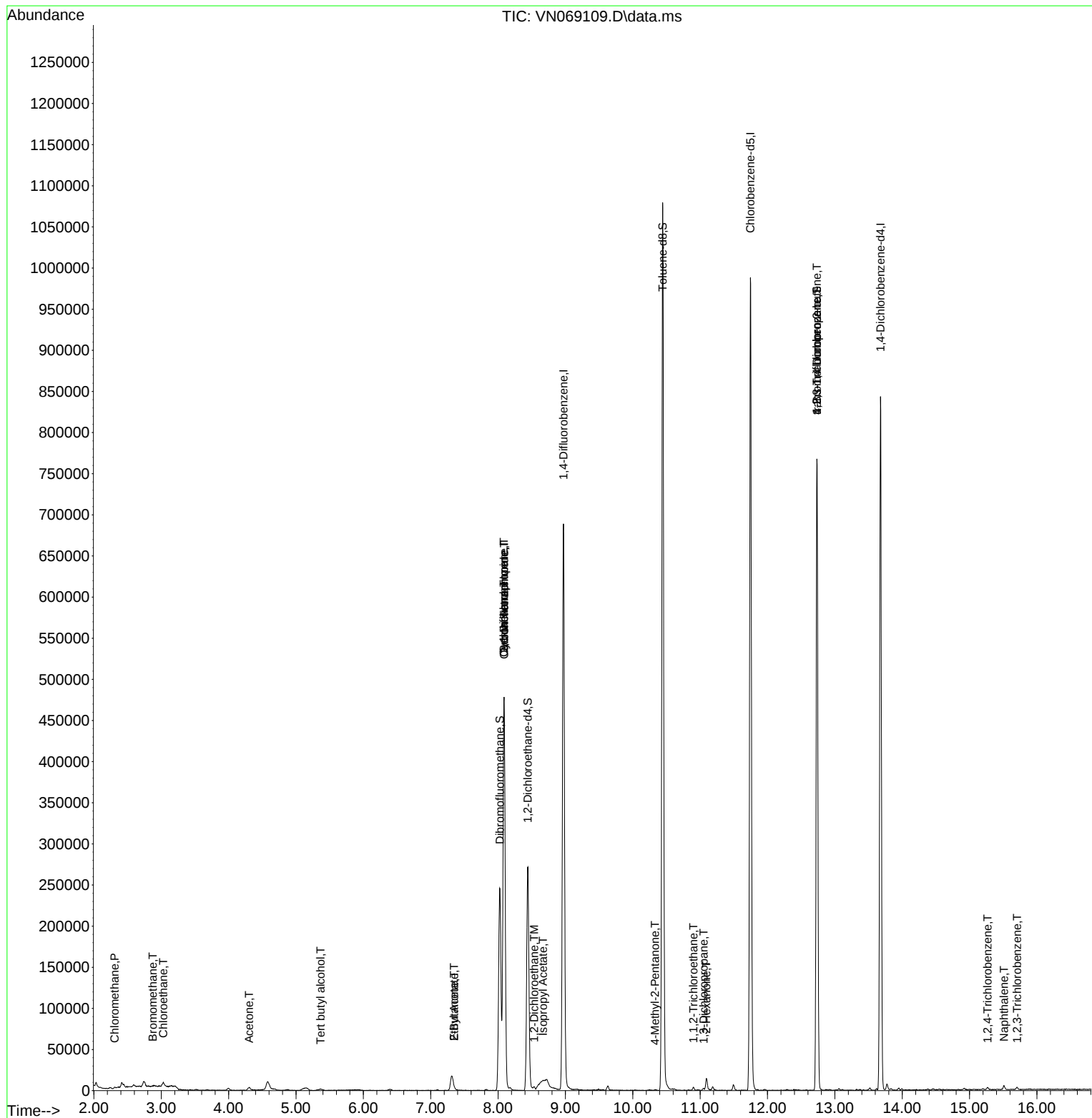
Internal Standards						
1) Pentafluorobenzene	8.088	168	364643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	625537	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	596119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	225519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	231383	48.128	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.260%		
35) Dibromofluoromethane	8.027	113	183669	50.466	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.940%		
50) Toluene-d8	10.443	98	773134	53.093	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.180%		
62) 4-Bromofluorobenzene	12.733	95	276149	50.263	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.520%		
Target Compounds						Qvalue
3) Chloromethane	2.309	50	1079	0.242	ug/l	89
5) Bromomethane	2.875	94	543	0.218	ug/l #	80
6) Chloroethane	3.030	64	4715	1.767	ug/l	92
11) Tert butyl alcohol	5.363	59	2891	3.291	ug/l #	75
16) Acetone	4.304	43	6633	3.697	ug/l	98
25) 2-Butanone	7.345	43	3017	1.112	ug/l	93
31) Cyclohexane	8.086	56	8497	1.137	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	29467	5.515	ug/l #	45
37) Ethyl Acetate	7.345	43	3017	0.547	ug/l #	68
38) Carbon Tetrachloride	8.091	117	37231	6.345	ug/l #	16
42) 1,2-Dichloroethane	8.536	62	3000	0.521	ug/l	81
43) Isopropyl Acetate	8.665	43	16475	1.692	ug/l #	55
51) 4-Methyl-2-Pentanone	10.328	43	1394	0.247	ug/l #	65
55) 1,1,2-Trichloroethane	10.902	97	1439	0.349	ug/l	94
57) 1,3-Dichloropropane	11.052	76	1579	0.232	ug/l	91
59) 2-Hexanone	11.092	43	4087	1.009	ug/l #	60
76) 1,2,3-Trichloropropane	12.733	75	144361	30.085	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	144361	71.977	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.268	180	1011	2.855	ug/l #	78
95) Naphthalene	15.512	128	5487	4.296	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.705	180	1365	2.873	ug/l #	74

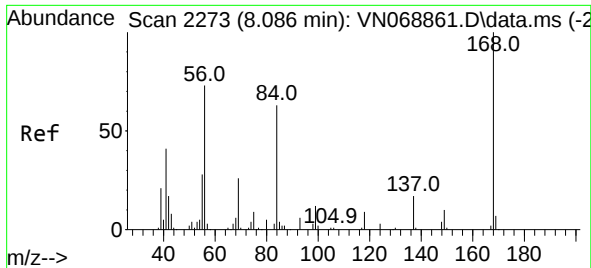
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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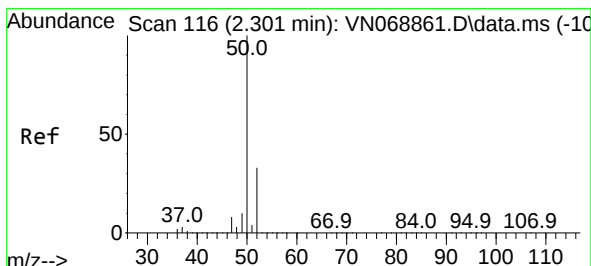
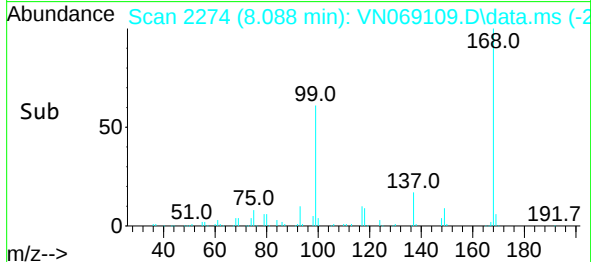
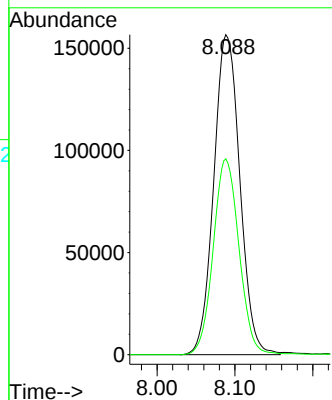
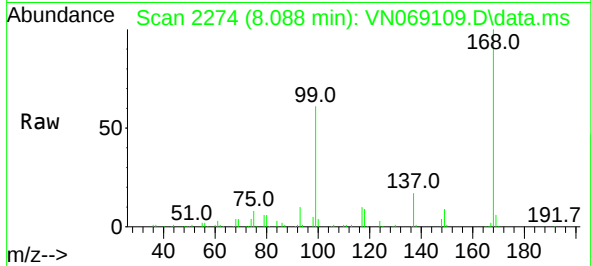




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

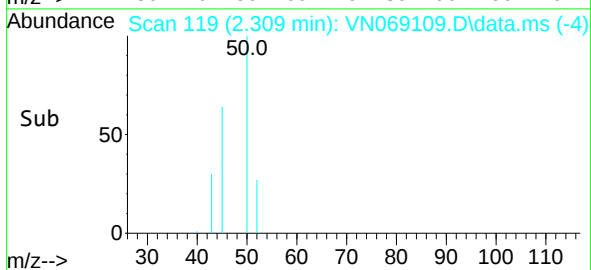
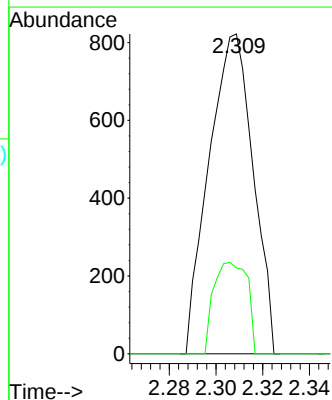
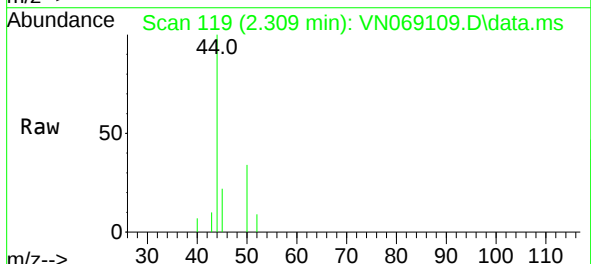
Instrument :
MSVOA_N
ClientSampled :

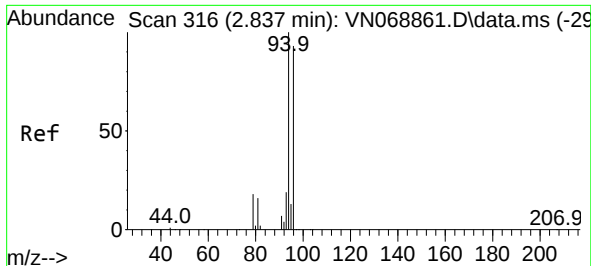
Tgt Ion:168 Resp: 364643
Ion Ratio Lower Upper
168 100
99 61.2 48.9 73.3



#3
Chloromethane
Concen: 0.242 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.008 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

Tgt Ion: 50 Resp: 1079
Ion Ratio Lower Upper
50 100
52 26.9 26.3 39.5

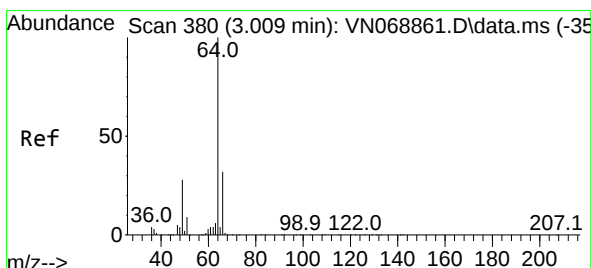
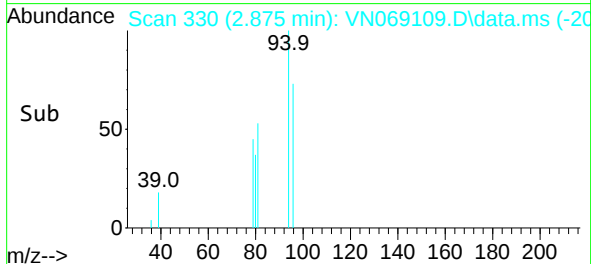
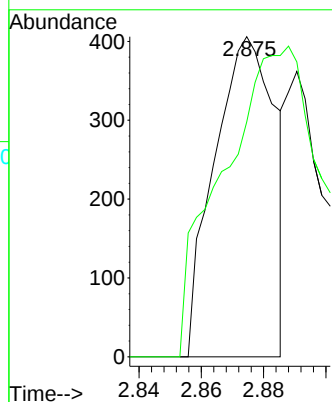
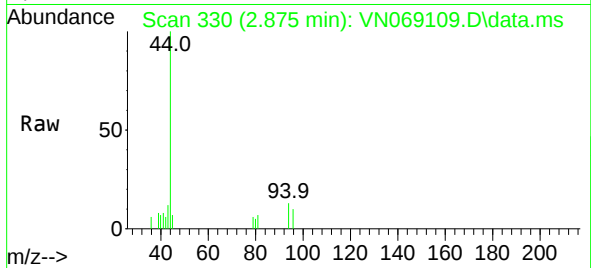




#5
Bromomethane
Concen: 0.218 ug/l
RT: 2.875 min Scan# 330
Delta R.T. 0.038 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

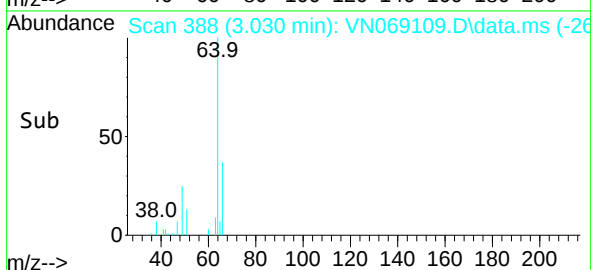
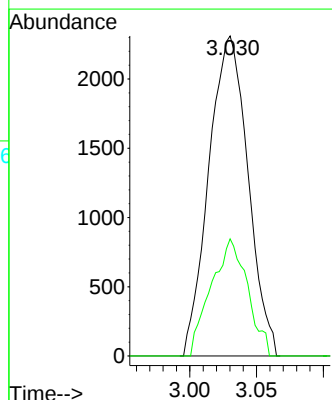
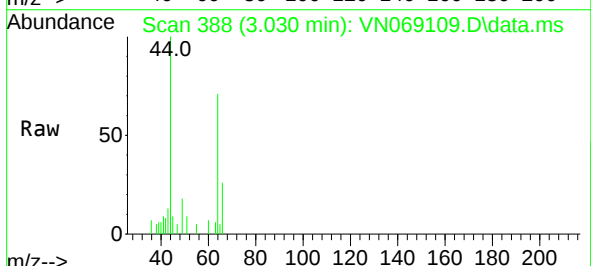
Instrument :
MSVOA_N
ClientSampled :

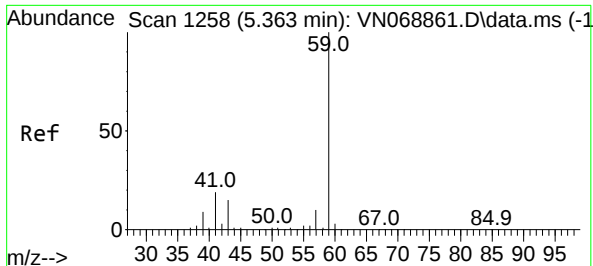
Tgt Ion: 94 Resp: 543
Ion Ratio Lower Upper
94 100
96 73.4 74.2 111.4#



#6
Chloroethane
Concen: 1.767 ug/l
RT: 3.030 min Scan# 388
Delta R.T. 0.021 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

Tgt Ion: 64 Resp: 4715
Ion Ratio Lower Upper
64 100
66 36.6 25.6 38.4



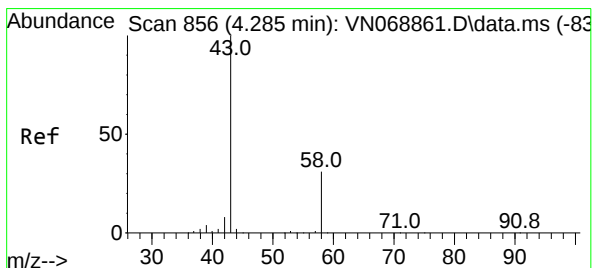
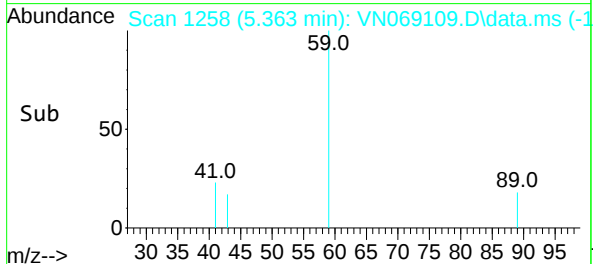
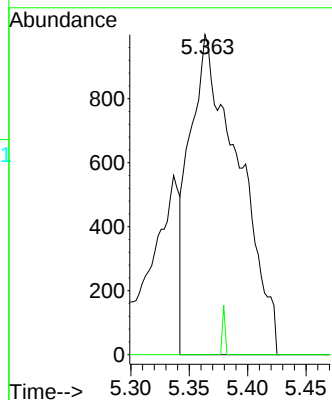
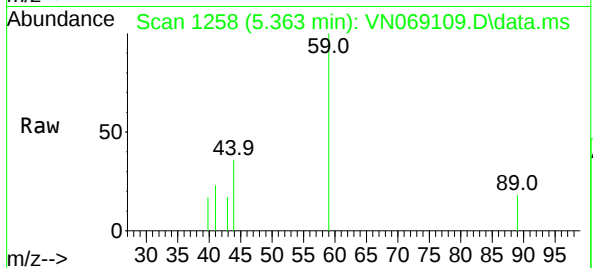


#11

Tert butyl alcohol
Concen: 3.291 ug/l
RT: 5.363 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

Instrument :
MSVOA_N
ClientSampled :

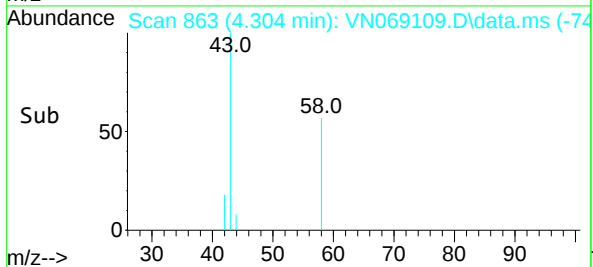
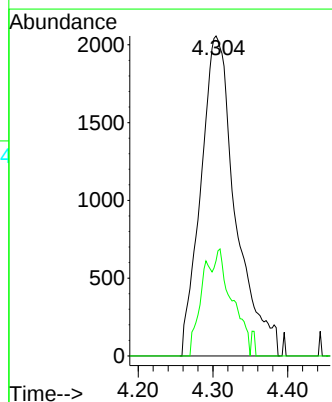
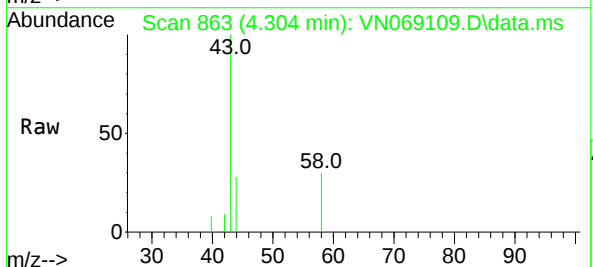
Tgt Ion: 59 Resp: 2891
Ion Ratio Lower Upper
59 100
57 0.9 8.3 12.5#

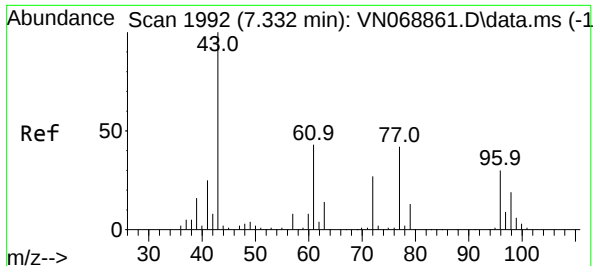


#16

Acetone
Concen: 3.697 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.019 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

Tgt Ion: 43 Resp: 6633
Ion Ratio Lower Upper
43 100
58 29.8 24.5 36.7

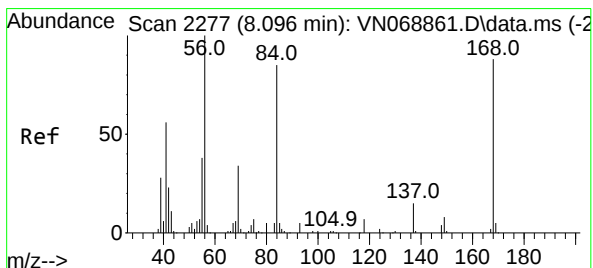
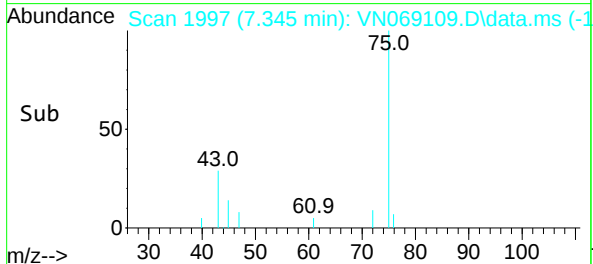
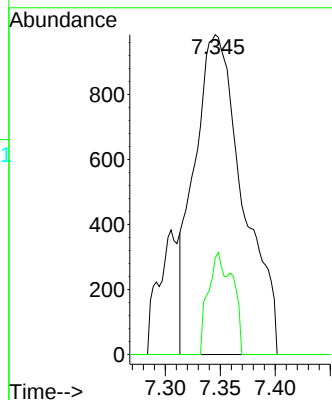
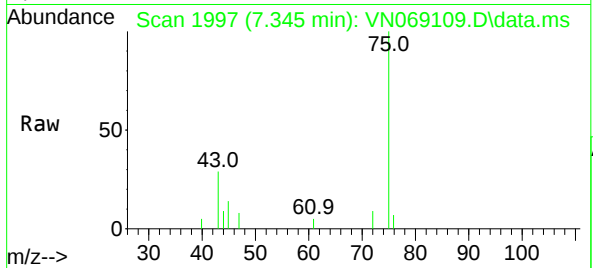




#25
2-Butanone
Concen: 1.112 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.013 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

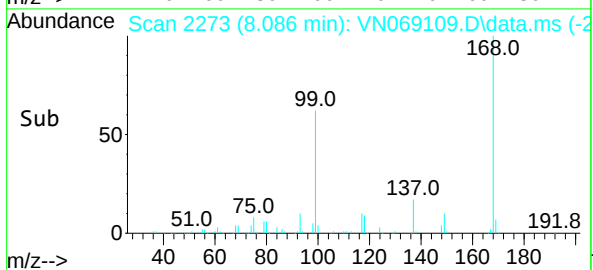
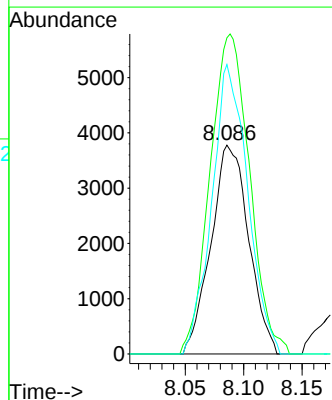
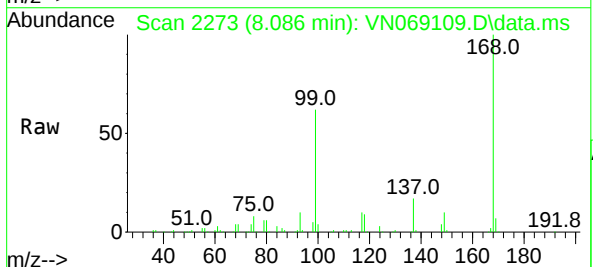
Instrument :
MSVOA_N
ClientSampled :

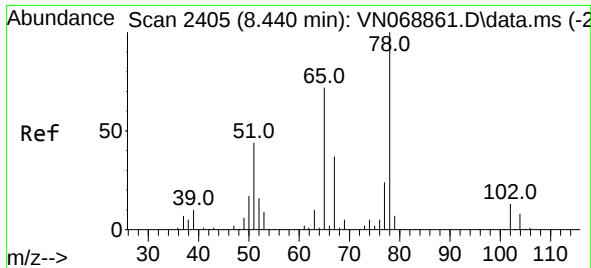
Tgt Ion: 43 Resp: 3017
Ion Ratio Lower Upper
43 100
72 30.2 21.2 31.8



#31
Cyclohexane
Concen: 1.137 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

Tgt Ion: 56 Resp: 8497
Ion Ratio Lower Upper
56 100
69 151.5 26.9 40.3#
84 138.7 67.6 101.4#

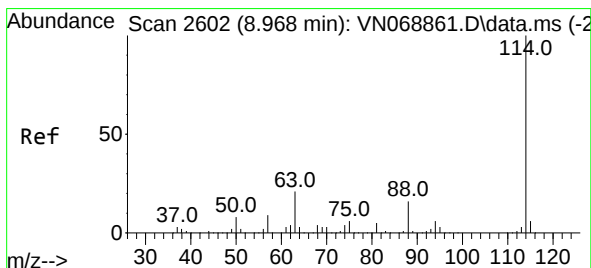
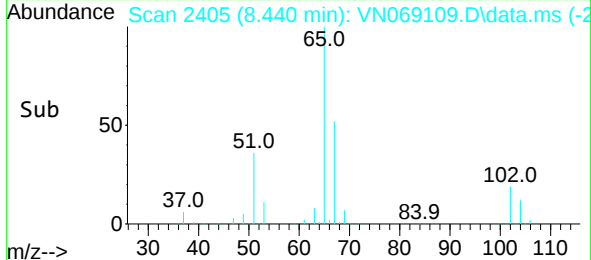
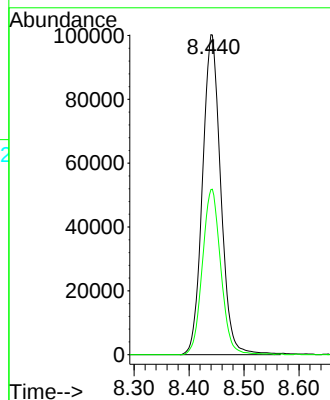
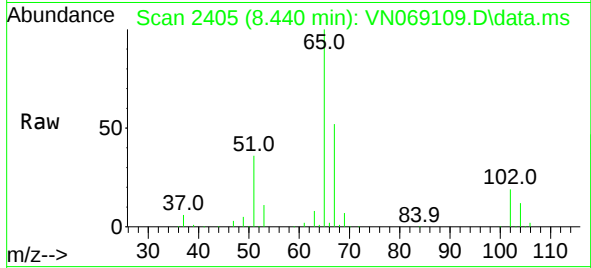




#33
 1,2-Dichloroethane-d4
 Concen: 48.128 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN069109.D
 Acq: 22 Oct 2021 00:51

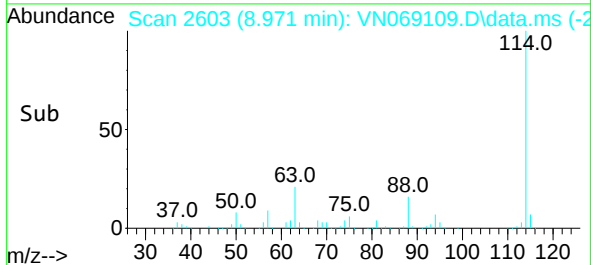
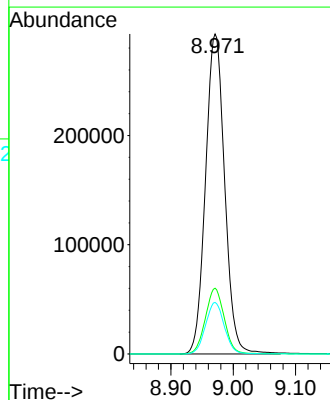
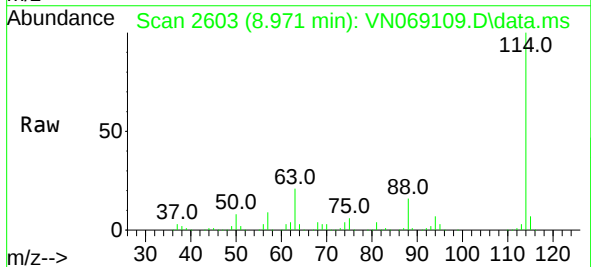
Instrument :
 MSVOA_N
 ClientSampled :

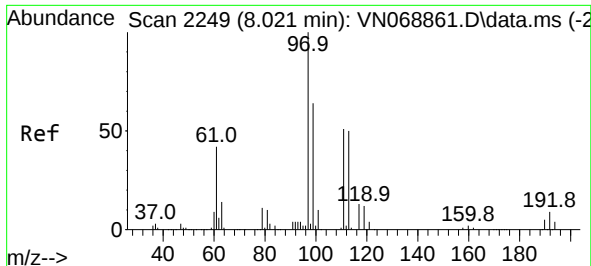
Tgt Ion: 65 Resp: 231383
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN069109.D
 Acq: 22 Oct 2021 00:51

Tgt Ion: 114 Resp: 625537
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.6
 88 16.1 0.0 32.0

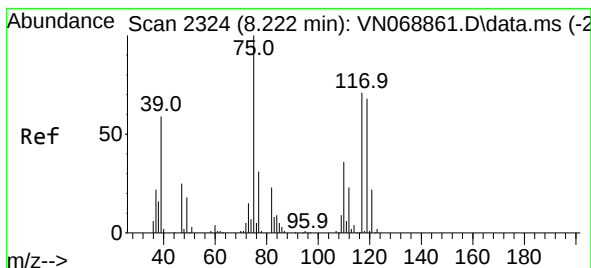
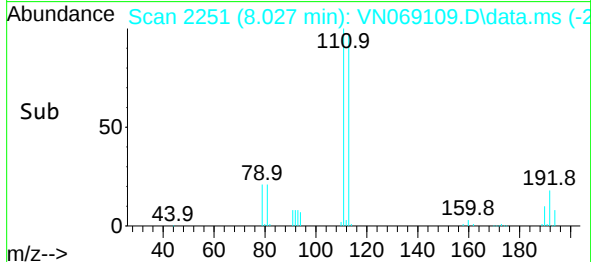
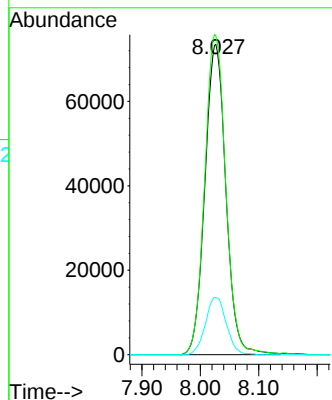
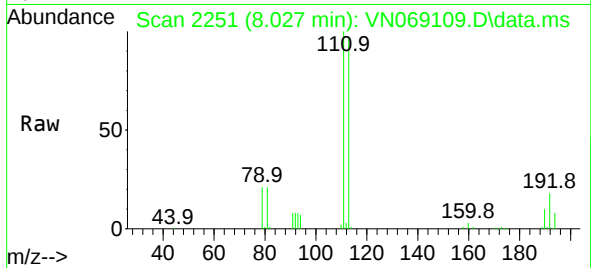




#35
Dibromofluoromethane
Concen: 50.466 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.005 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

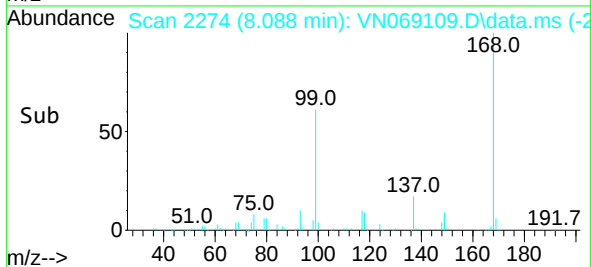
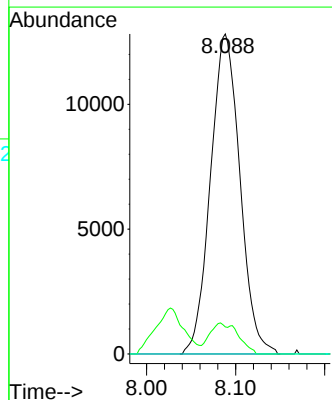
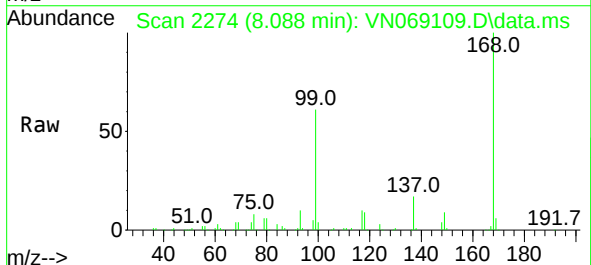
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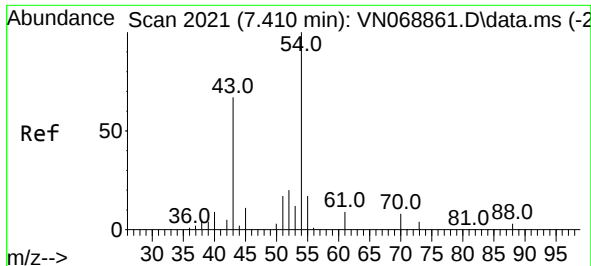
Tgt Ion:113 Resp: 183669
Ion Ratio Lower Upper
113 100
111 103.4 83.2 124.8
192 18.4 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.515 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

Tgt Ion: 75 Resp: 29467
Ion Ratio Lower Upper
75 100
110 3.7 17.9 53.8#
77 0.0 24.7 37.1#

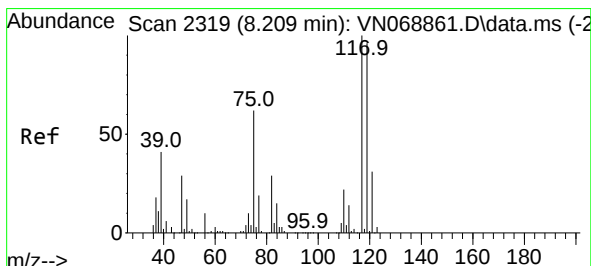
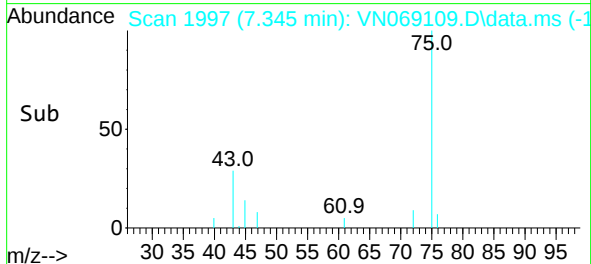
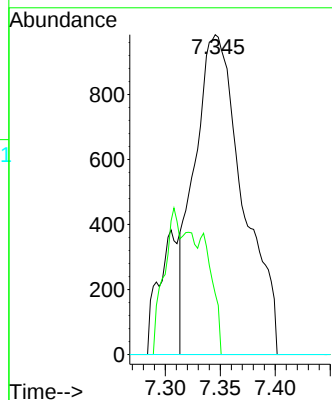
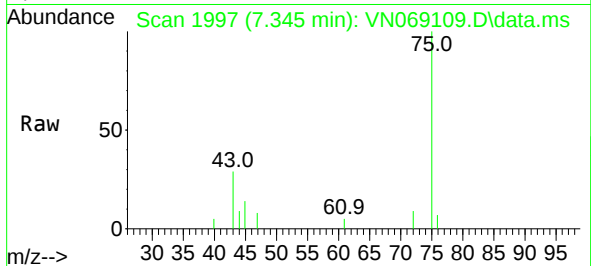




#37
Ethyl Acetate
Concen: 0.547 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.064 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

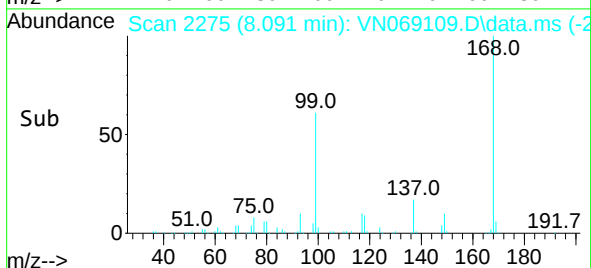
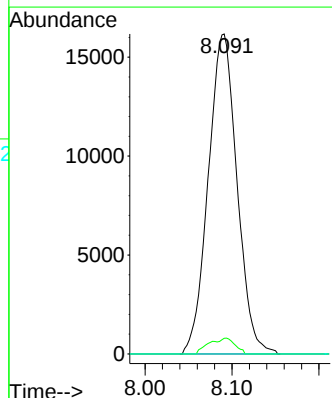
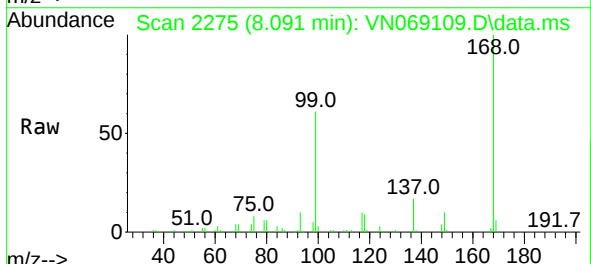
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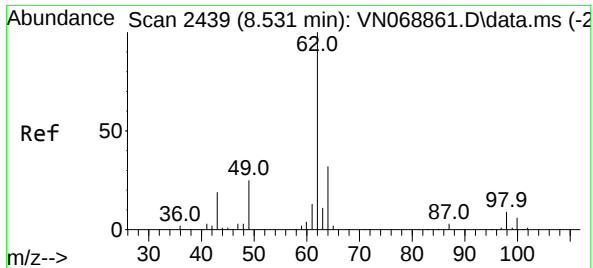
Tgt Ion: 43	Resp:	3017
Ion	Ratio	Lower Upper
43	100	
61	0.0	11.2 16.8#
70	0.0	8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.345 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

Tgt Ion: 117	Resp:	37231
Ion	Ratio	Lower Upper
117	100	
119	4.9	76.9 115.3#
121	0.0	24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.521 ug/l

RT: 8.536 min Scan# 2441

Delta R.T. 0.005 min

Lab File: VN069109.D

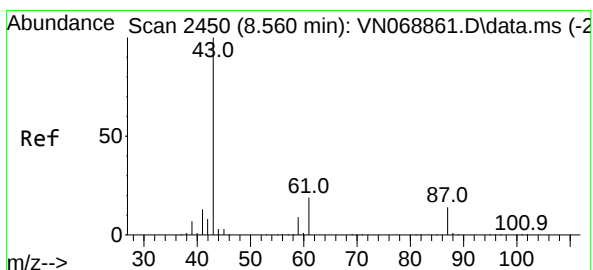
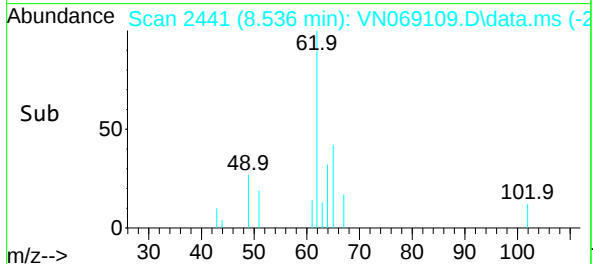
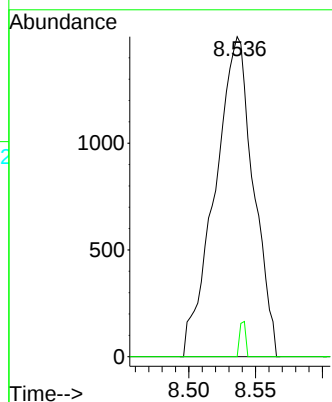
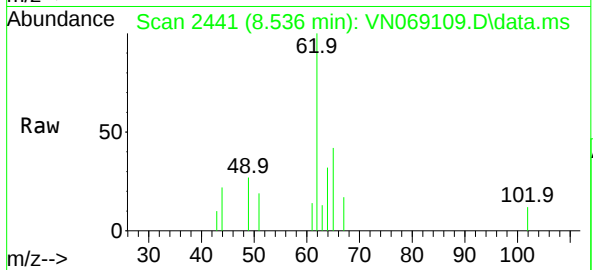
Acq: 22 Oct 2021 00:51

Tgt Ion: 62 Resp: 3000

Ion Ratio Lower Upper

62 100

98 1.7 0.0 17.2



#43

Isopropyl Acetate

Concen: 1.692 ug/l

RT: 8.665 min Scan# 2489

Delta R.T. 0.105 min

Lab File: VN069109.D

Acq: 22 Oct 2021 00:51

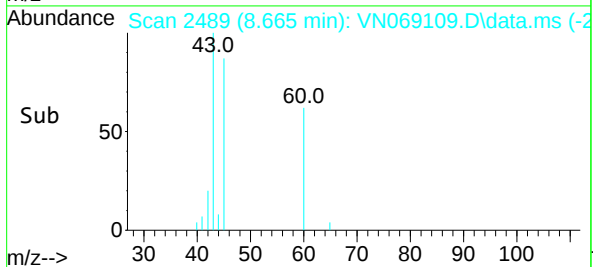
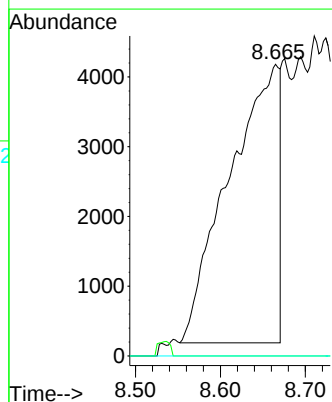
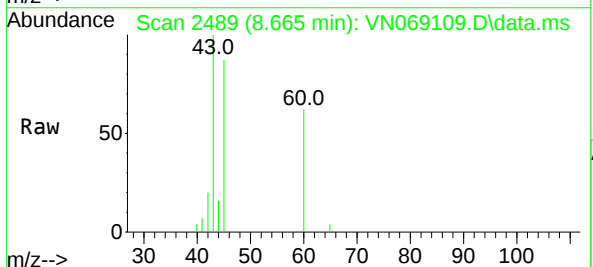
Tgt Ion: 43 Resp: 16475

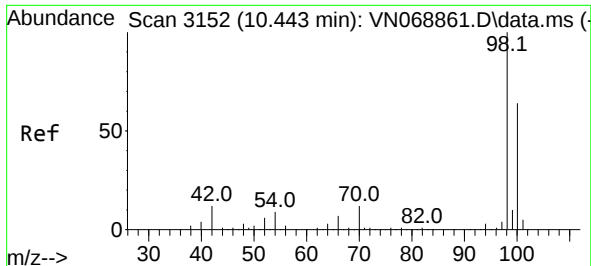
Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.7 16.1#

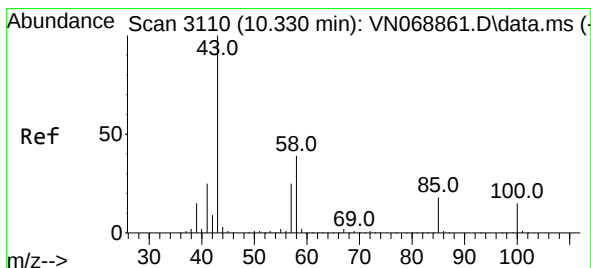
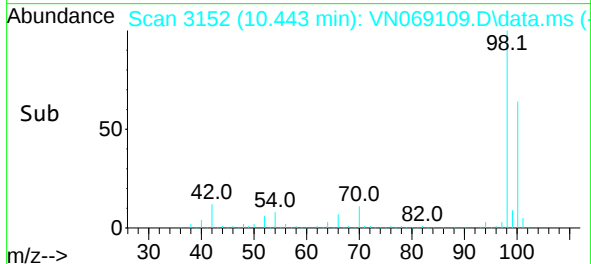
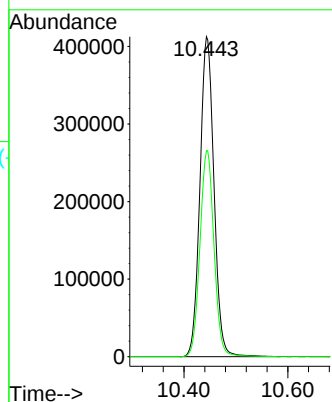
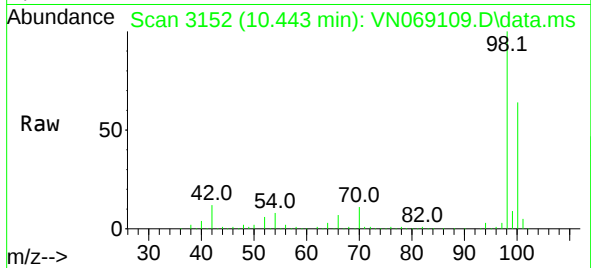




#50
Toluene-d8
Concen: 53.093 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

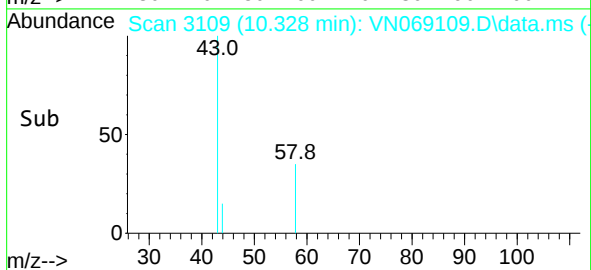
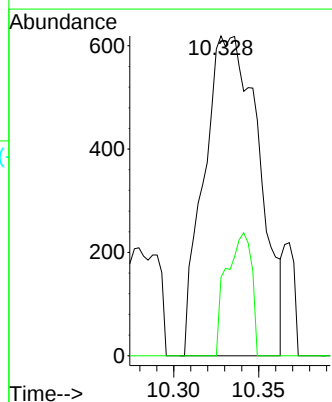
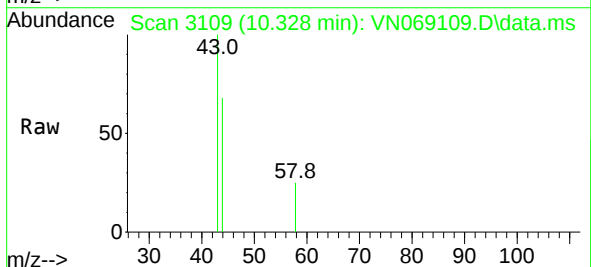
Instrument :
MSVOA_N
ClientSampled :

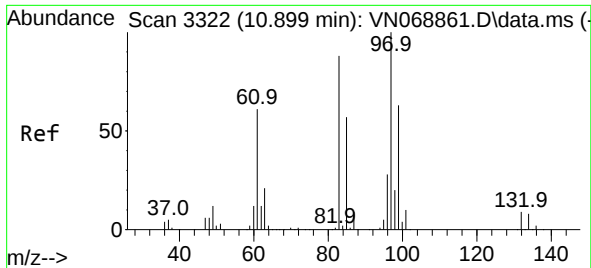
Tgt Ion: 98 Resp: 773134
Ion Ratio Lower Upper
98 100
100 64.6 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.247 ug/l
RT: 10.328 min Scan# 3109
Delta R.T. -0.003 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

Tgt Ion: 43 Resp: 1394
Ion Ratio Lower Upper
43 100
58 17.6 31.0 46.4#

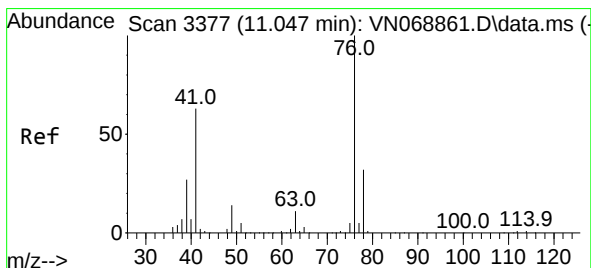
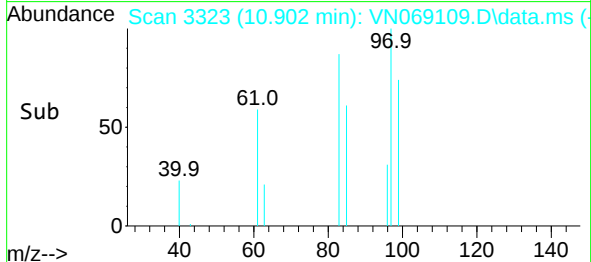
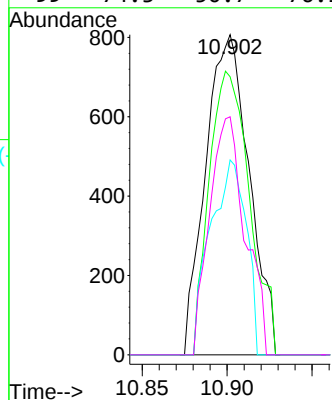
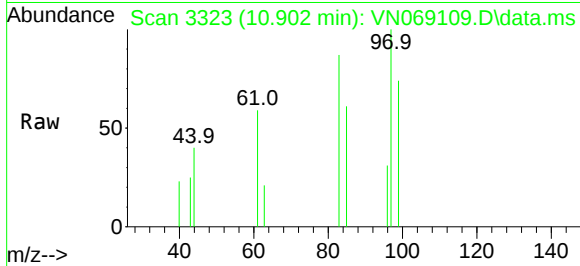




#55
1,1,2-Trichloroethane
Concen: 0.349 ug/l
RT: 10.902 min Scan# 3323
Delta R.T. 0.003 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

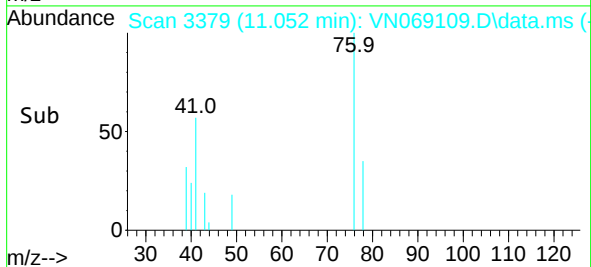
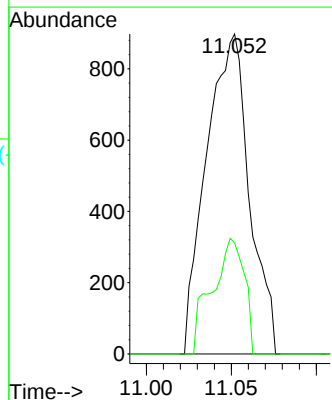
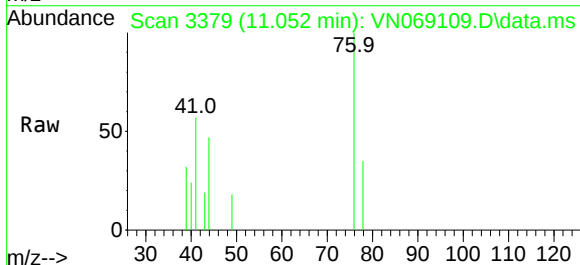
Instrument :
MSVOA_N
ClientSampled :

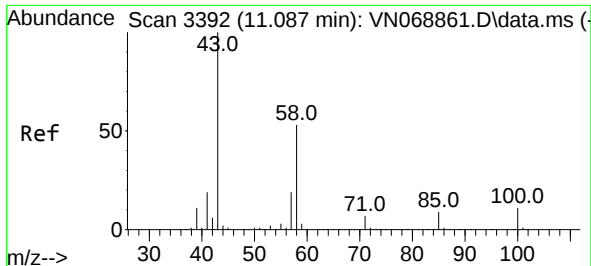
Tgt Ion: 97	Resp: 1439
Ion Ratio	Lower Upper
97 100	
83 86.9	70.5 105.7
85 60.8	45.3 67.9
99 74.3	50.7 76.1



#57
1,3-Dichloropropane
Concen: 0.232 ug/l
RT: 11.052 min Scan# 3379
Delta R.T. 0.005 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

Tgt Ion: 76	Resp: 1579
Ion Ratio	Lower Upper
76 100	
78 27.2	25.8 38.8

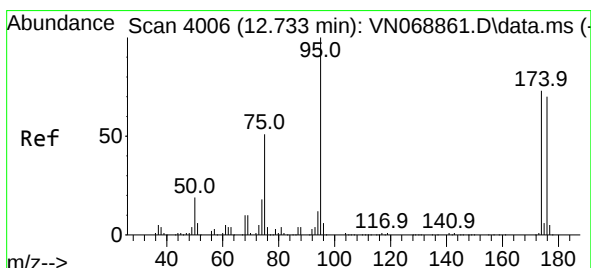
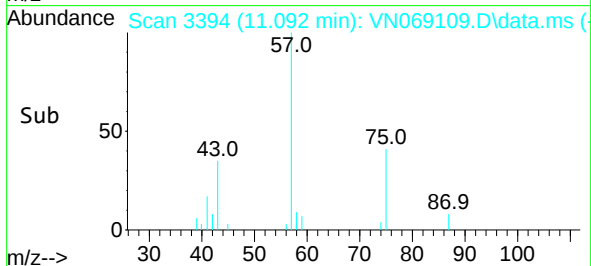
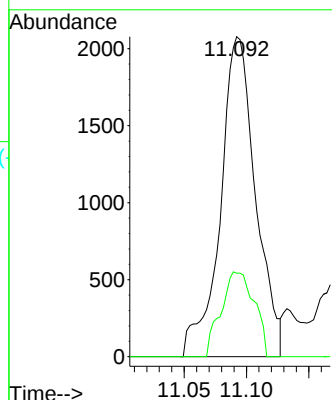
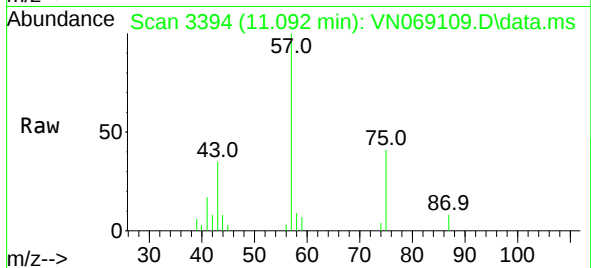




#59
2-Hexanone
Concen: 1.009 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

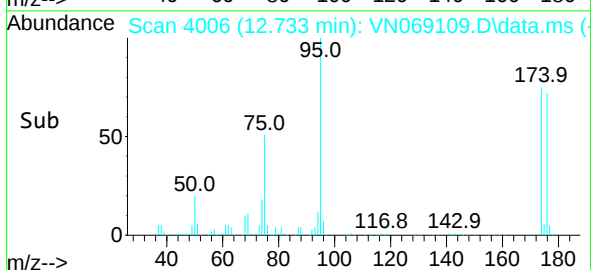
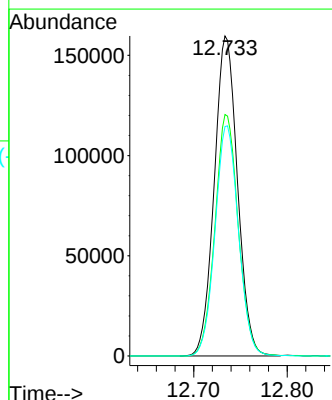
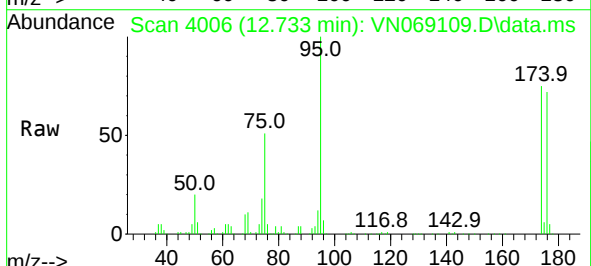
Instrument :
MSVOA_N
ClientSampled :

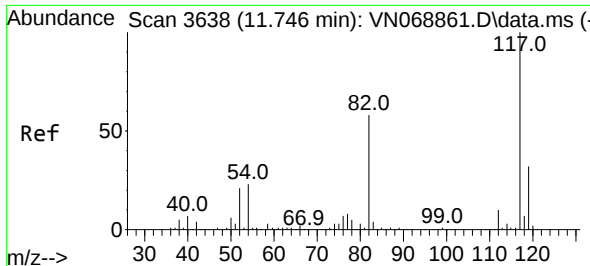
Tgt Ion: 43 Resp: 4087
Ion Ratio Lower Upper
43 100
58 24.9 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 50.263 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

Tgt Ion: 95 Resp: 276149
Ion Ratio Lower Upper
95 100
174 75.6 0.0 144.8
176 72.4 0.0 140.0

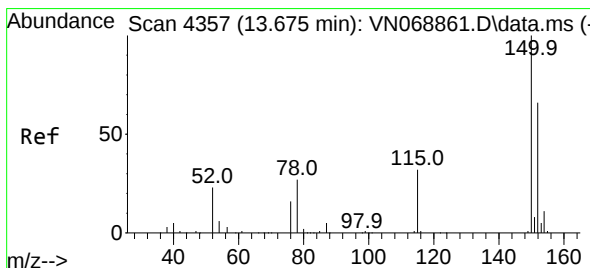
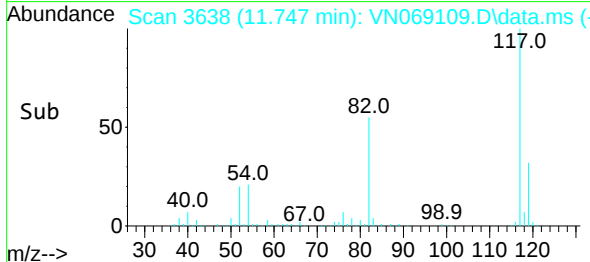
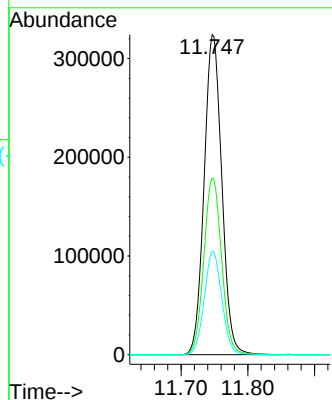
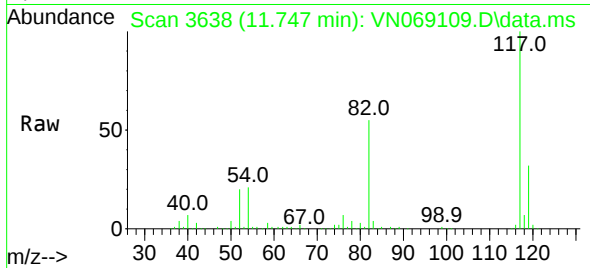




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

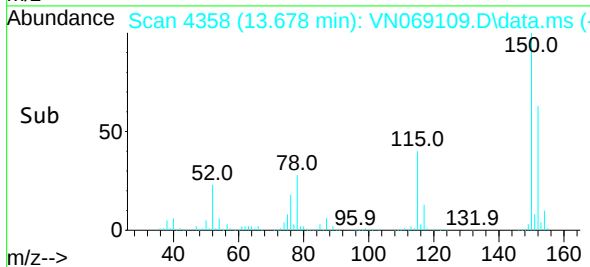
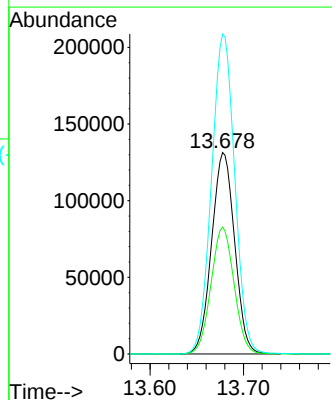
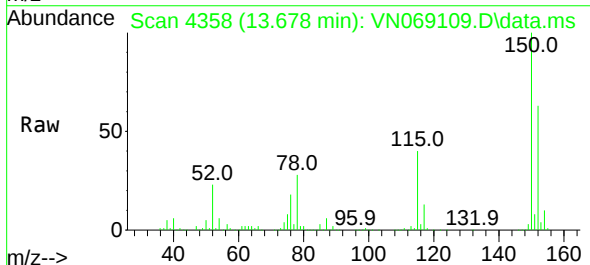
Instrument :
MSVOA_N
ClientSampleId :

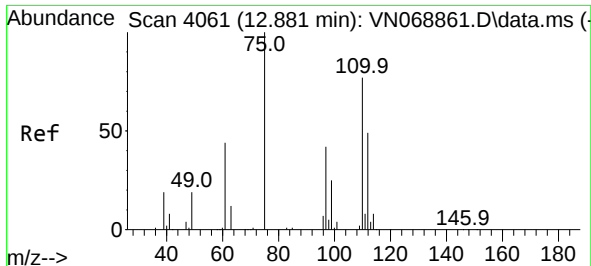
Tgt Ion:117 Resp: 596119
Ion Ratio Lower Upper
117 100
82 55.2 46.4 69.6
119 32.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

Tgt Ion:152 Resp: 225519
Ion Ratio Lower Upper
152 100
115 63.0 31.4 94.3
150 160.1 0.0 351.0

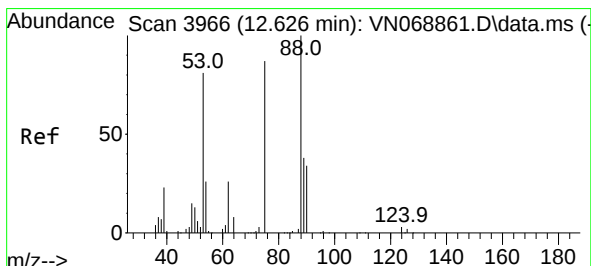
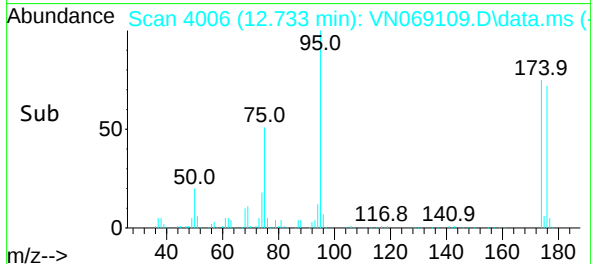
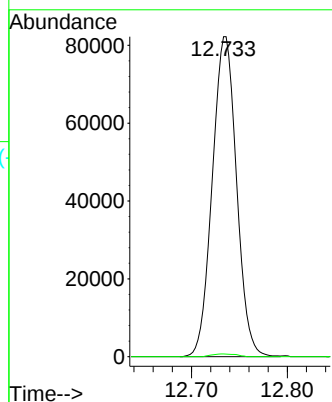
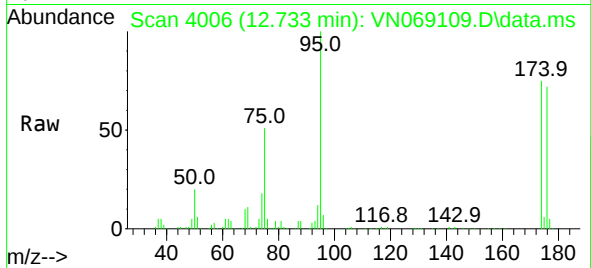




#76
1,2,3-Trichloropropane
Concen: 30.085 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

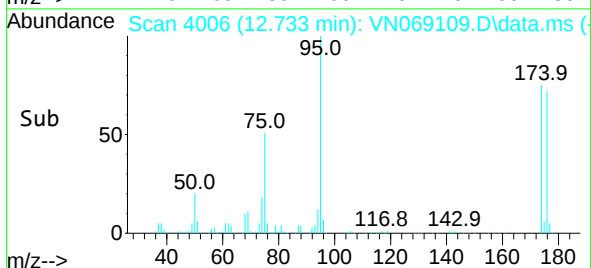
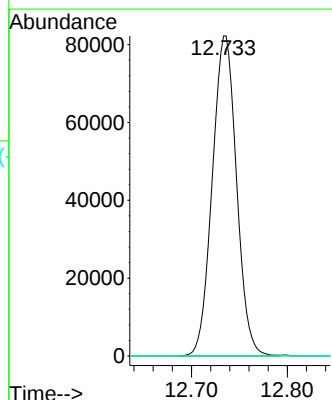
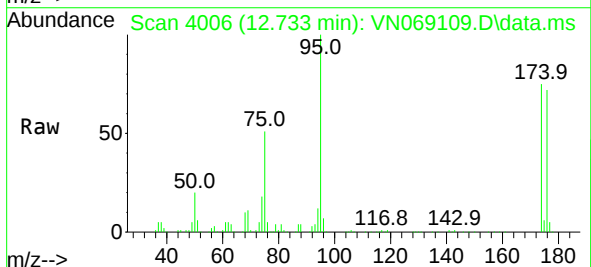
Instrument :
MSVOA_N
ClientSampleId :

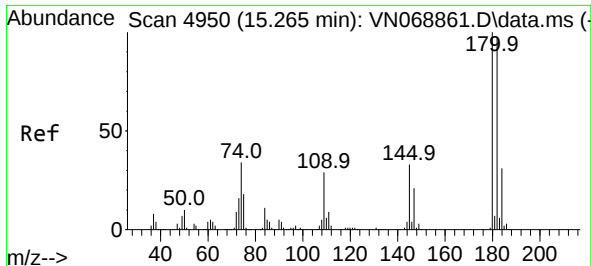
Tgt Ion: 75 Resp: 144361
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.977 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

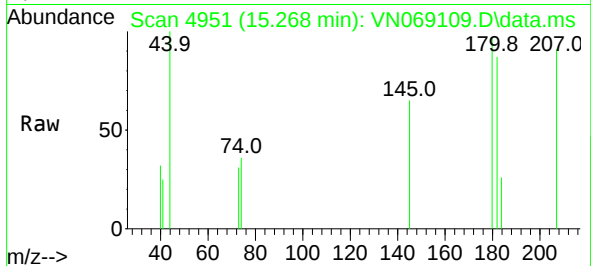
Tgt Ion: 75 Resp: 144361
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



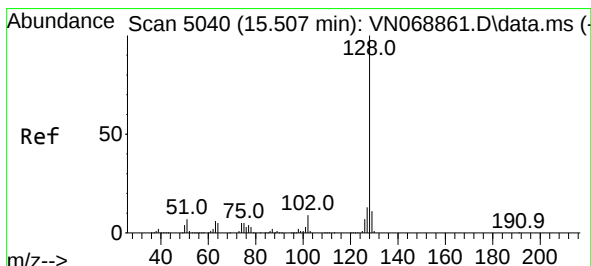
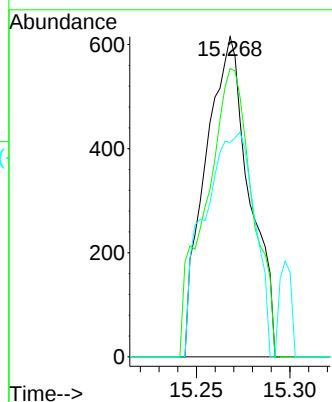
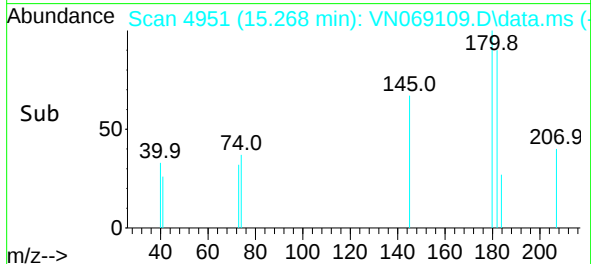


#93
1,2,4-Trichlorobenzene
Concen: 2.855 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

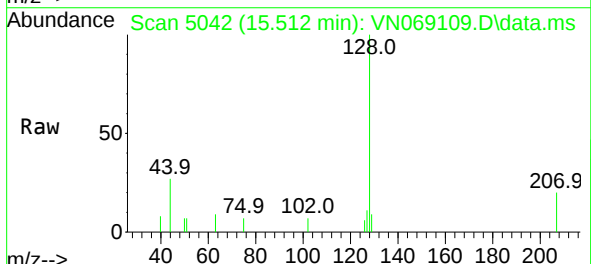
Instrument :
MSVOA_N
ClientSampled :



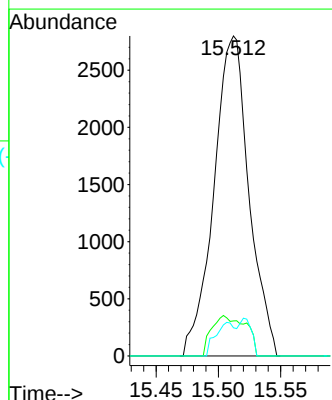
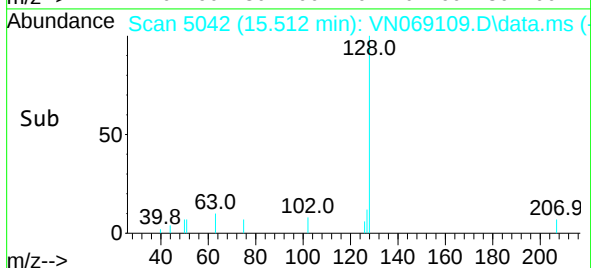
Tgt Ion:180 Resp: 1011
Ion Ratio Lower Upper
180 100
182 95.0 47.9 143.7
145 80.1 16.4 49.2#

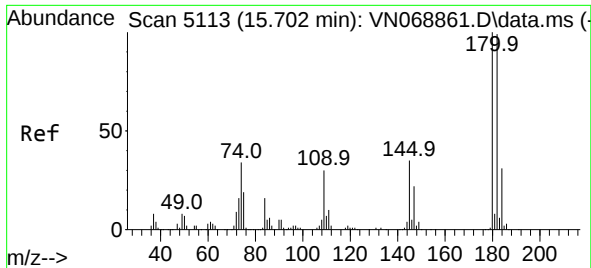


#95
Naphthalene
Concen: 4.296 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51

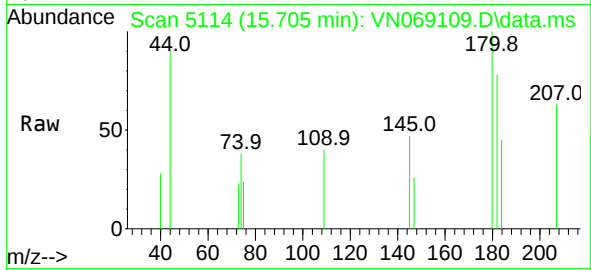


Tgt Ion:128 Resp: 5487
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 4.0 8.9 13.3#

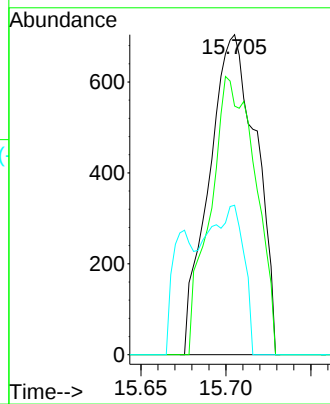
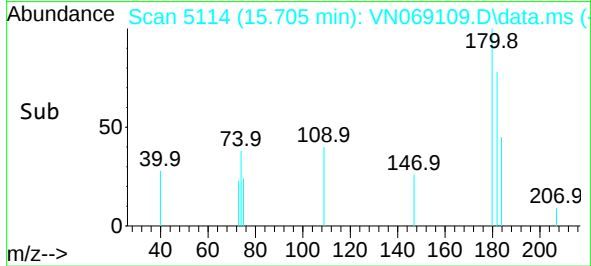




#96
1,2,3-Trichlorobenzene
Concen: 2.873 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN069109.D
Acq: 22 Oct 2021 00:51



Tgt Ion:180 Resp: 1365
Ion Ratio Lower Upper
180 100
182 82.8 48.1 144.3
145 0.0 17.4 52.2#



Instrument :
MSVOA_N
ClientSampleId :