

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102121\
 Data File : VN069110.D
 Acq On : 22 Oct 2021 1:16
 Operator : JC/MD
 Sample : M4307-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 22 03:16:59 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)

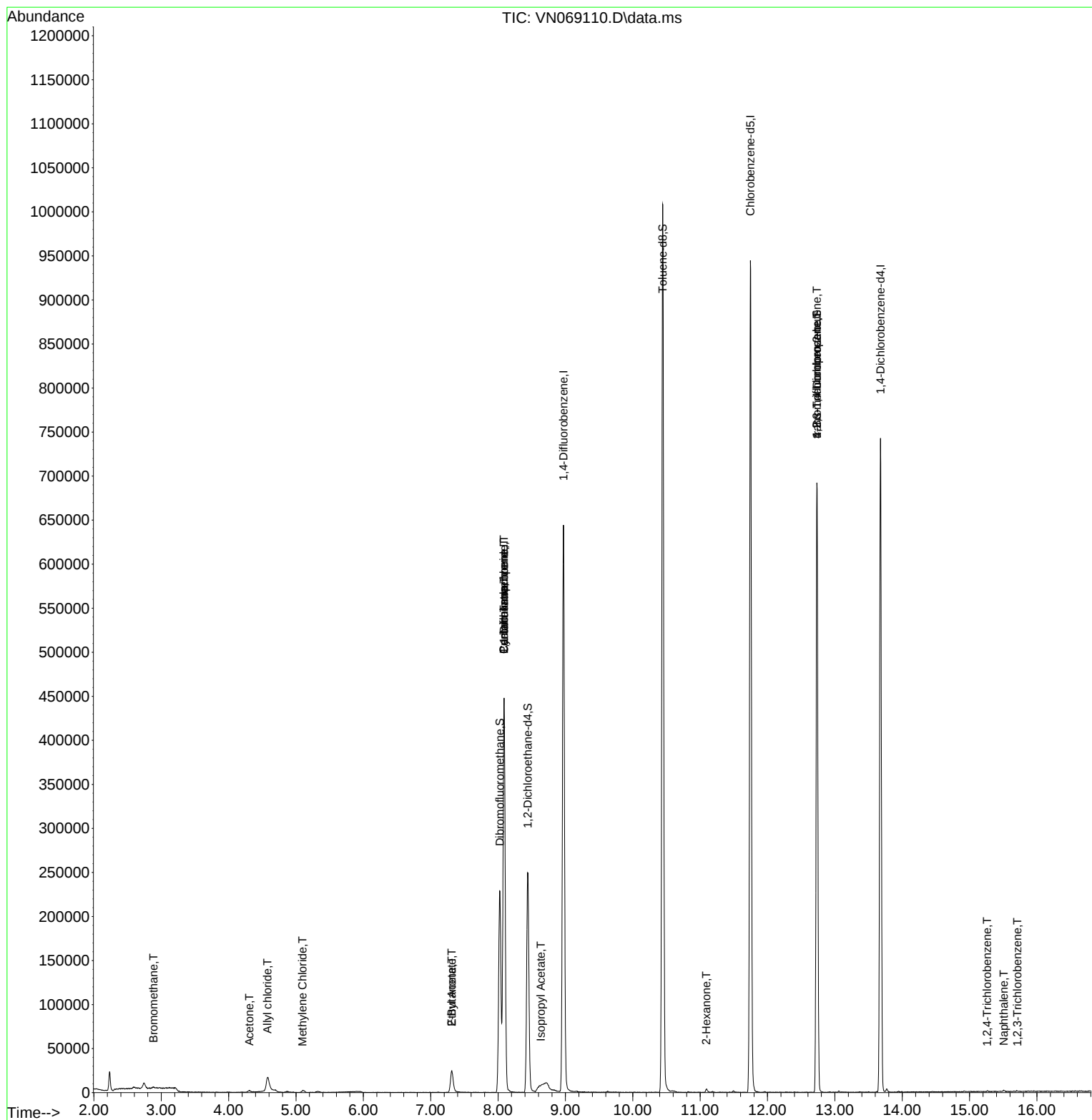
Internal Standards						
1) Pentafluorobenzene	8.088	168	341884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	588828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	566444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	202461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	214795	47.651	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	95.300%	
35) Dibromofluoromethane	8.027	113	168732	49.253	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	98.500%	
50) Toluene-d8	10.443	98	735933	53.689	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	107.380%	
62) 4-Bromofluorobenzene	12.734	95	250143	48.368	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	96.740%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.883	94	1144	0.490	ug/l	88
14) Allyl chloride	4.575	41	1932	0.326	ug/l #	40
16) Acetone	4.307	43	3607	2.144	ug/l	93
20) Methylene Chloride	5.095	84	827	0.214	ug/l #	82
25) 2-Butanone	7.311	43	1477	0.581	ug/l #	48
31) Cyclohexane	8.088	56	8047	1.148	ug/l #	17
36) 1,1-Dichloropropene	8.088	75	27377	5.443	ug/l #	49
37) Ethyl Acetate	7.311	43	1477	0.284	ug/l #	16
38) Carbon Tetrachloride	8.088	117	35856	6.491	ug/l #	15
43) Isopropyl Acetate	8.635	43	9396	1.025	ug/l #	55
59) 2-Hexanone	11.092	43	1546	0.406	ug/l #	51
76) 1,2,3-Trichloropropane	12.734	75	130846	30.374	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	130846	72.669	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.263	180	463	2.731	ug/l #	73
95) Naphthalene	15.507	128	1263	3.936	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.708	180	421	2.637	ug/l #	77

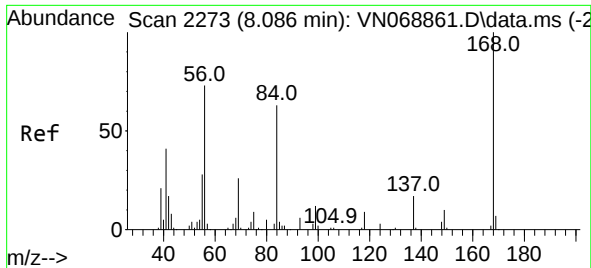
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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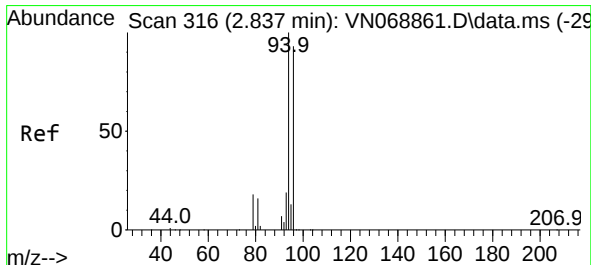
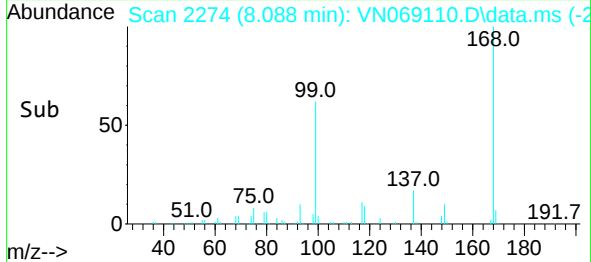
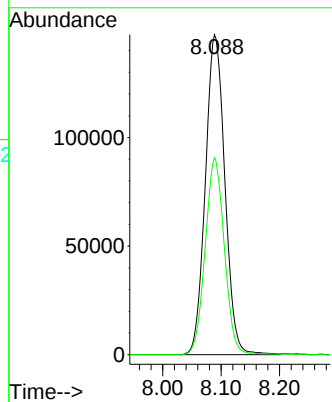
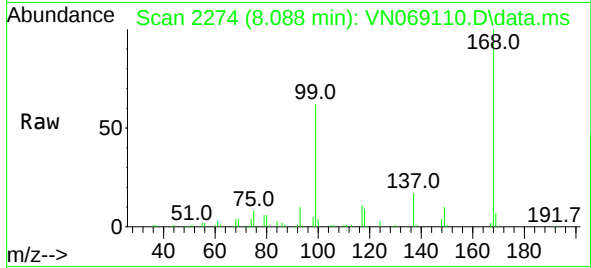




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069110.D
Acq: 22 Oct 2021 1:16

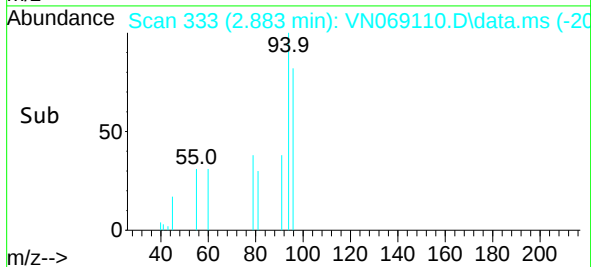
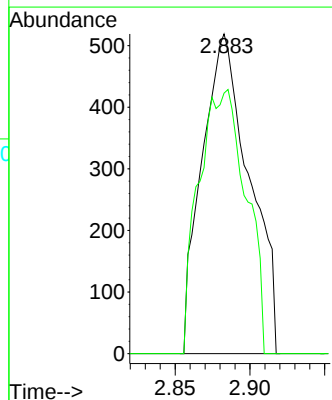
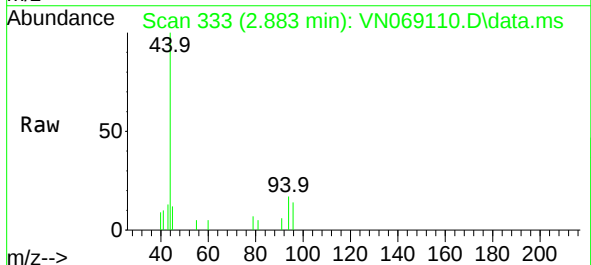
Instrument :
MSVOA_N
ClientSampled :

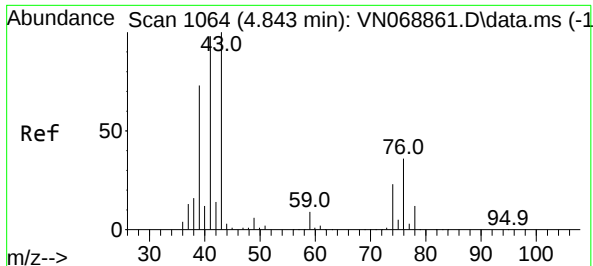
Tgt Ion:168 Resp: 341884
Ion Ratio Lower Upper
168 100
99 61.5 48.9 73.3



#5
Bromomethane
Concen: 0.490 ug/l
RT: 2.883 min Scan# 333
Delta R.T. 0.046 min
Lab File: VN069110.D
Acq: 22 Oct 2021 1:16

Tgt Ion: 94 Resp: 1144
Ion Ratio Lower Upper
94 100
96 81.5 74.2 111.4





#14

Allyl chloride

Concen: 0.326 ug/l

RT: 4.575 min Scan# 964

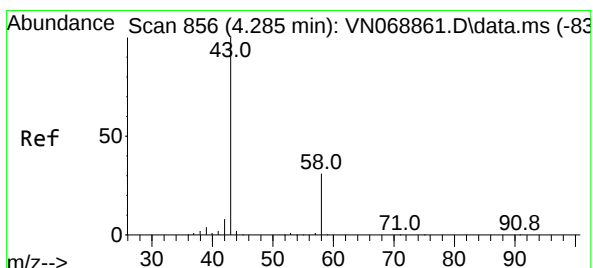
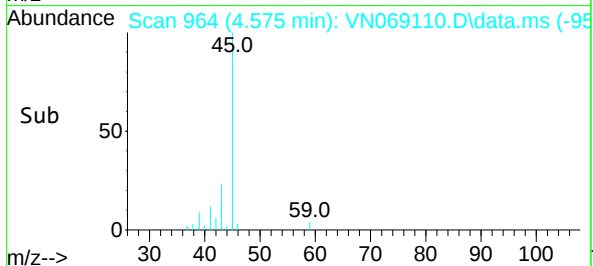
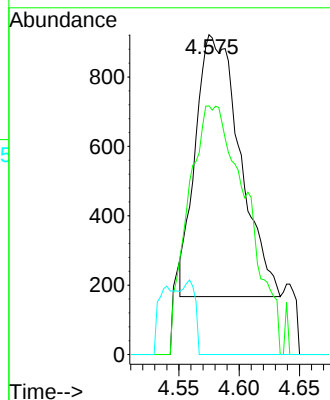
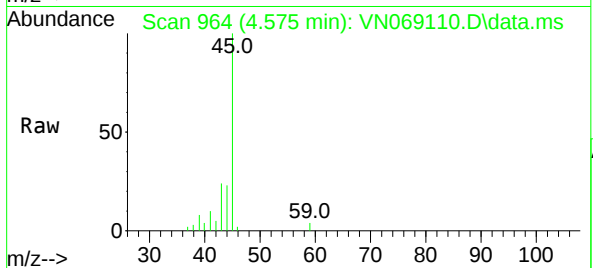
Delta R.T. -0.268 min

Lab File: VN069110.D

Acq: 22 Oct 2021 1:16

Tgt Ion:	41	Resp:	1932
Ion	Ratio	Lower	Upper
41	100		
39	119.2	55.6	83.4#
76	0.0	26.4	39.6#

Instrument :
MSVOA_N
ClientSampleId :



#16

Acetone

Concen: 2.144 ug/l

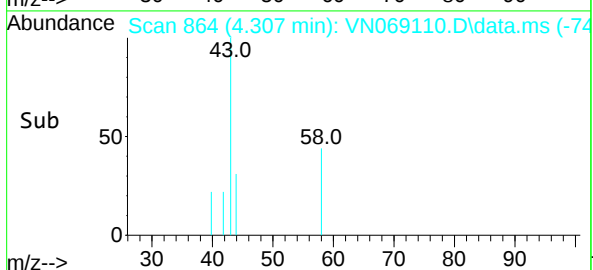
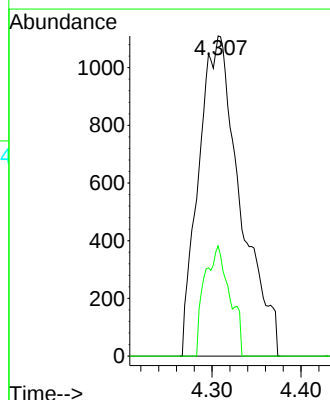
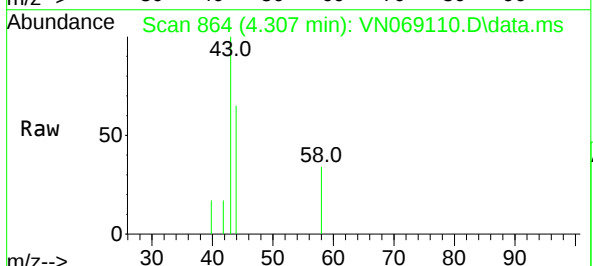
RT: 4.307 min Scan# 864

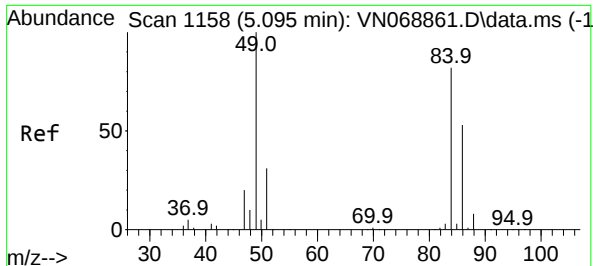
Delta R.T. 0.022 min

Lab File: VN069110.D

Acq: 22 Oct 2021 1:16

Tgt Ion:	43	Resp:	3607
Ion	Ratio	Lower	Upper
43	100		
58	34.4	24.5	36.7





#20

Methylene Chloride

Concen: 0.214 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. 0.000 min

Lab File: VN069110.D

Acq: 22 Oct 2021 1:16

Tgt Ion: 84 Resp: 827

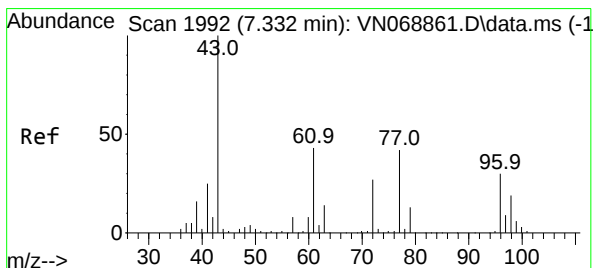
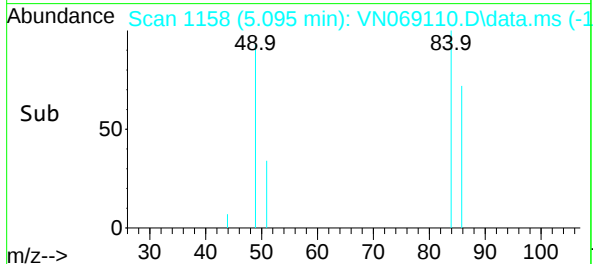
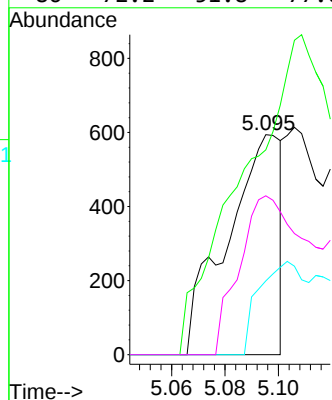
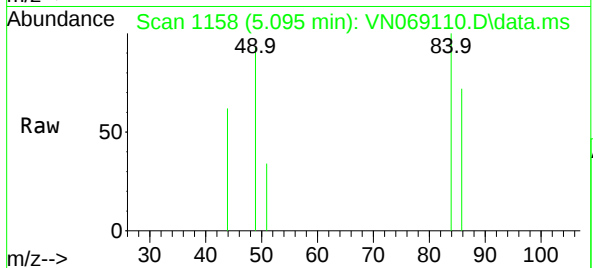
Ion Ratio Lower Upper

84 100

49 93.1 97.6 146.4#

51 33.5 30.3 45.5

86 72.2 51.8 77.6



#25

2-Butanone

Concen: 0.581 ug/l

RT: 7.311 min Scan# 1984

Delta R.T. -0.021 min

Lab File: VN069110.D

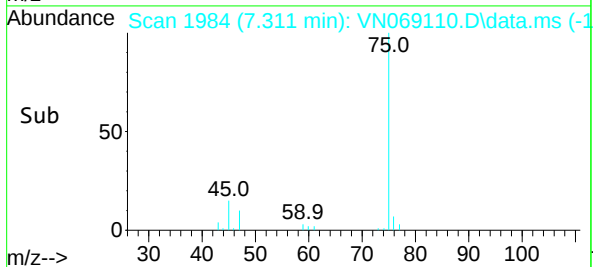
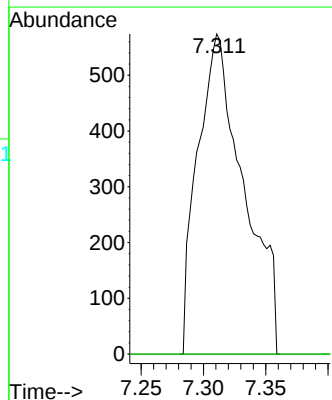
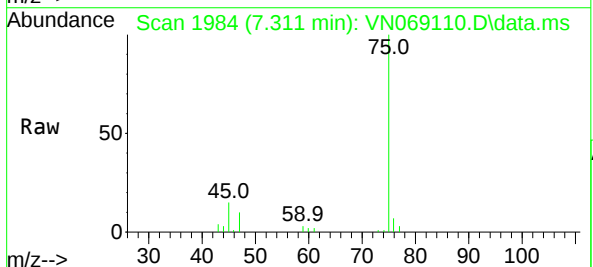
Acq: 22 Oct 2021 1:16

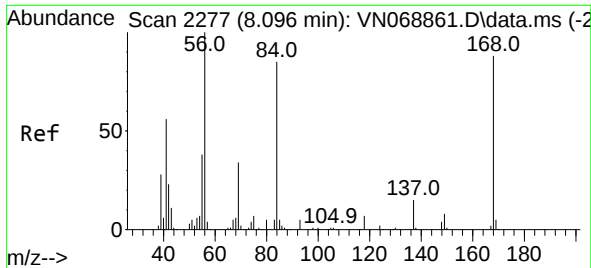
Tgt Ion: 43 Resp: 1477

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#

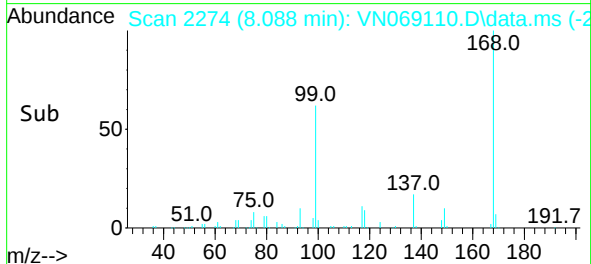
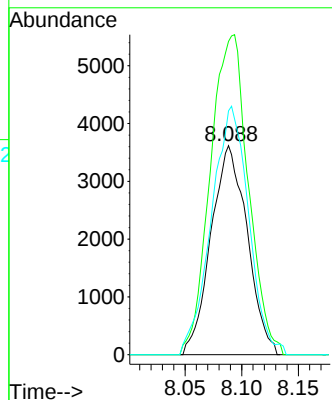
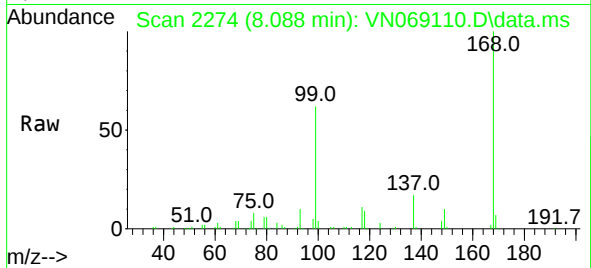




#31
Cyclohexane
Concen: 1.148 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069110.D
Acq: 22 Oct 2021 1:16

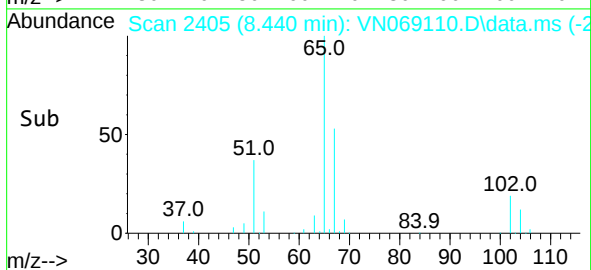
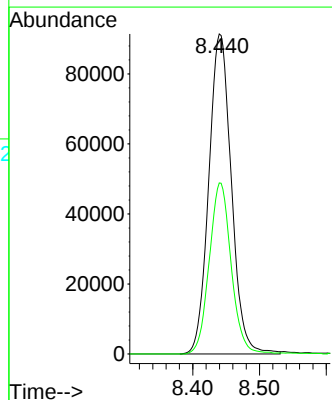
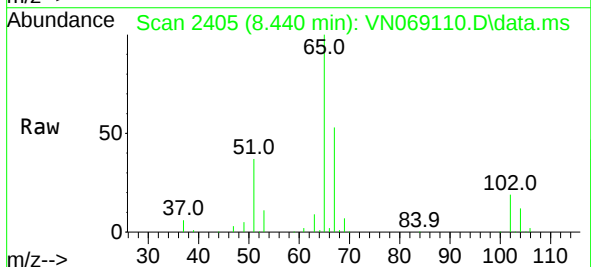
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 56 Resp: 8047
Ion Ratio Lower Upper
56 100
69 149.9 26.9 40.3#
84 116.7 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 47.651 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069110.D
Acq: 22 Oct 2021 1:16

Tgt Ion: 65 Resp: 214795
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.8

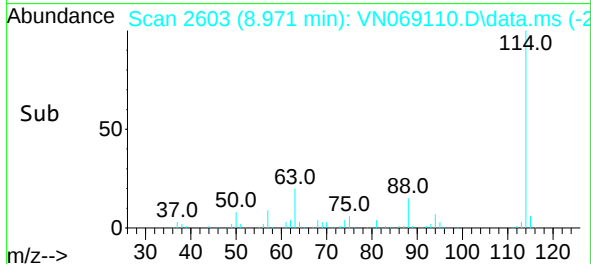
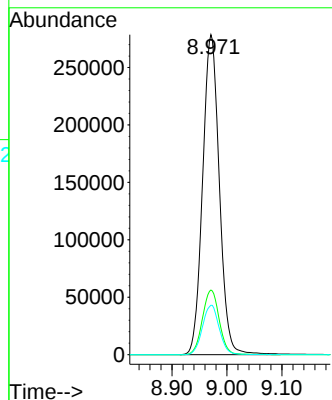
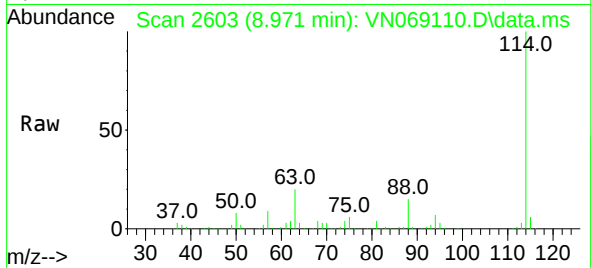




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069110.D
Acq: 22 Oct 2021 1:16

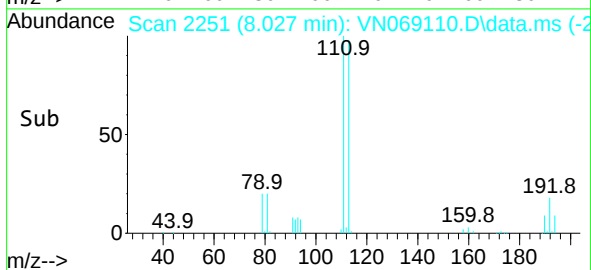
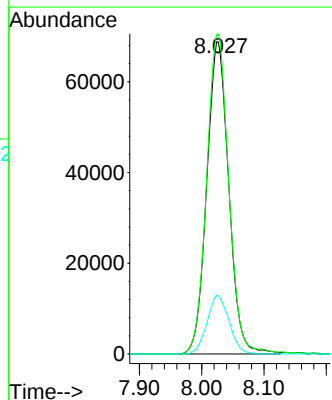
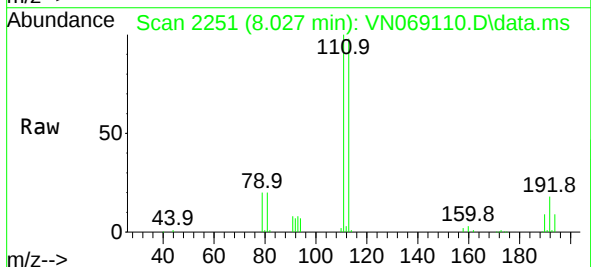
Instrument :
MSVOA_N
ClientSampled :

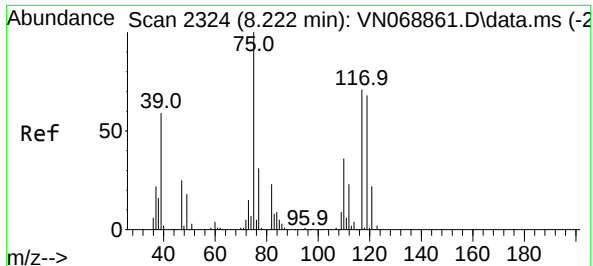
Tgt Ion:114 Resp: 588828
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.6
88 15.5 0.0 32.0



#35
Dibromofluoromethane
Concen: 49.253 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.005 min
Lab File: VN069110.D
Acq: 22 Oct 2021 1:16

Tgt Ion:113 Resp: 168732
Ion Ratio Lower Upper
113 100
111 103.1 83.2 124.8
192 18.7 15.0 22.4

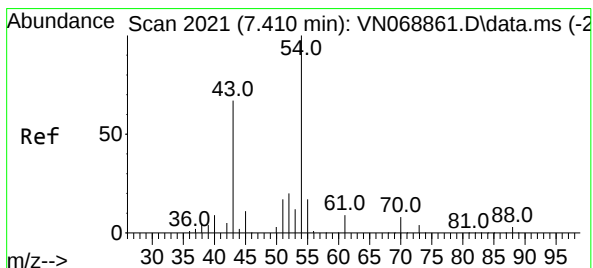
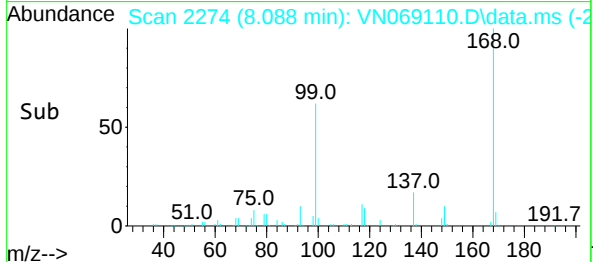
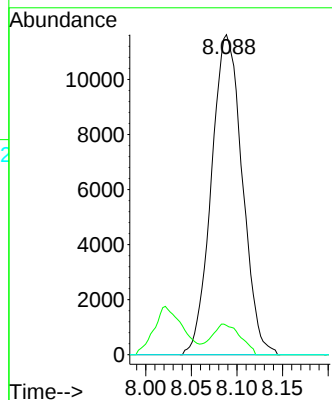
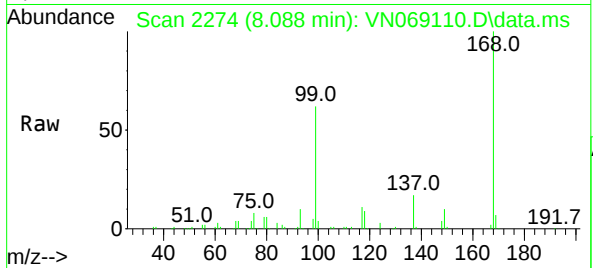




#36
1,1-Dichloropropene
Concen: 5.443 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069110.D
Acq: 22 Oct 2021 1:16

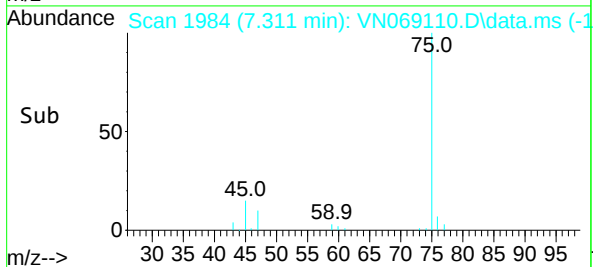
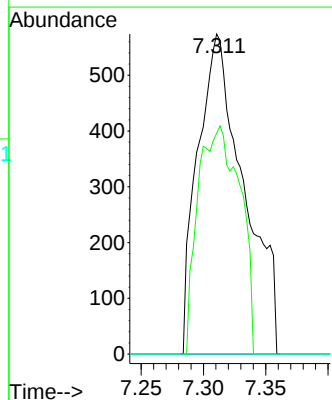
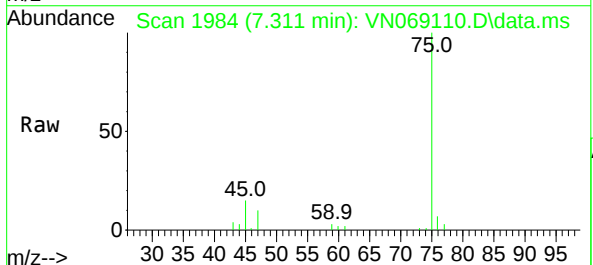
Instrument :
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ClientSampled :

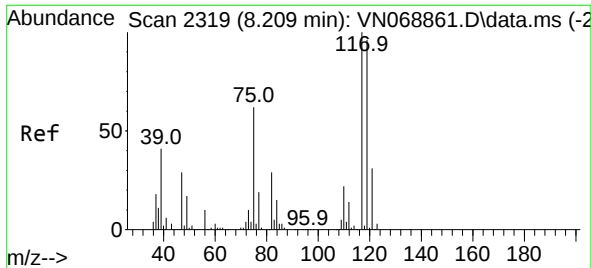
Tgt Ion: 75 Resp: 27377
Ion Ratio Lower Upper
75 100
110 8.9 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.284 ug/l
RT: 7.311 min Scan# 1984
Delta R.T. -0.099 min
Lab File: VN069110.D
Acq: 22 Oct 2021 1:16

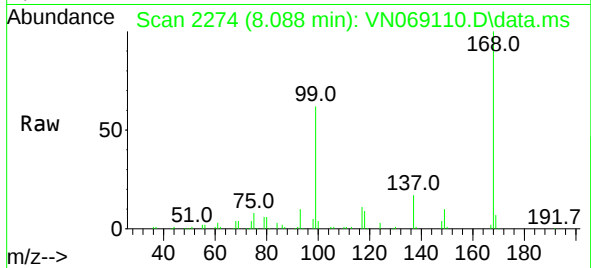
Tgt Ion: 43 Resp: 1477
Ion Ratio Lower Upper
43 100
61 64.9 11.2 16.8#
70 0.0 8.4 12.6#



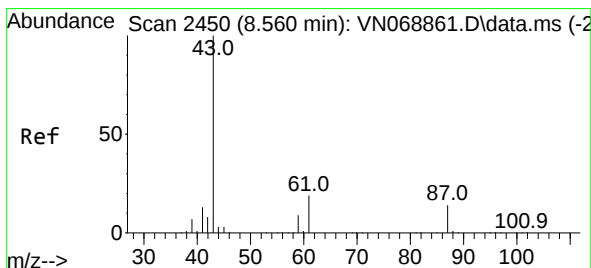
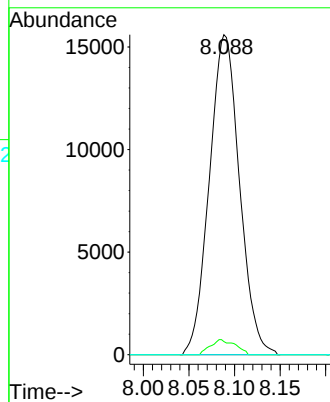
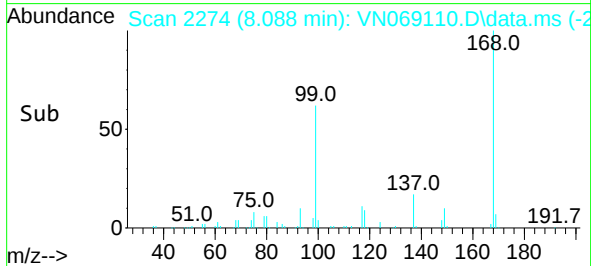


#38
Carbon Tetrachloride
Concen: 6.491 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069110.D
Acq: 22 Oct 2021 1:16

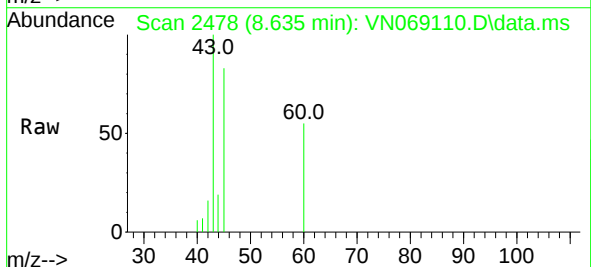
Instrument :
MSVOA_N
ClientSampled :



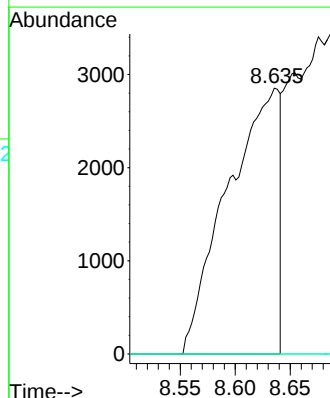
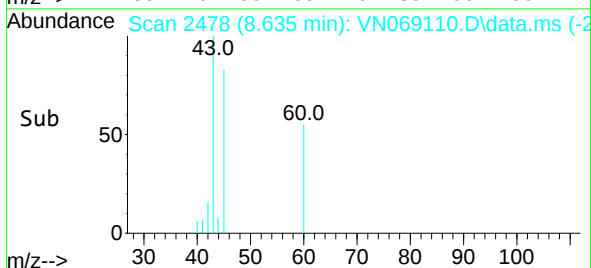
Tgt Ion: 117 Resp: 35856
Ion Ratio Lower Upper
117 100
119 4.1 76.9 115.3#
121 0.0 24.6 37.0#

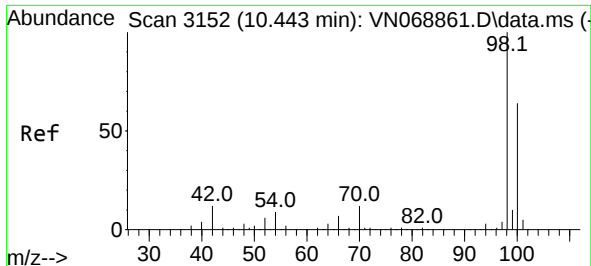


#43
Isopropyl Acetate
Concen: 1.025 ug/l
RT: 8.635 min Scan# 2478
Delta R.T. 0.075 min
Lab File: VN069110.D
Acq: 22 Oct 2021 1:16



Tgt Ion: 43 Resp: 9396
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

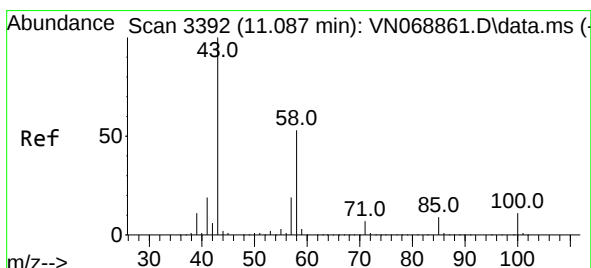
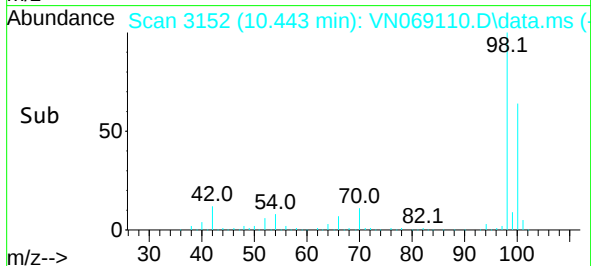
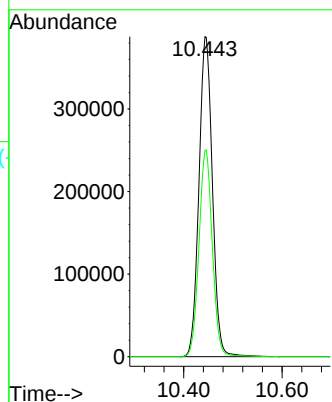
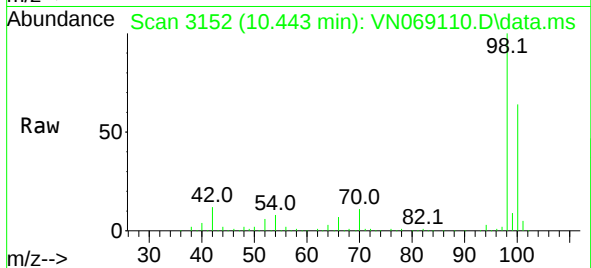




#50
Toluene-d8
Concen: 53.689 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069110.D
Acq: 22 Oct 2021 1:16

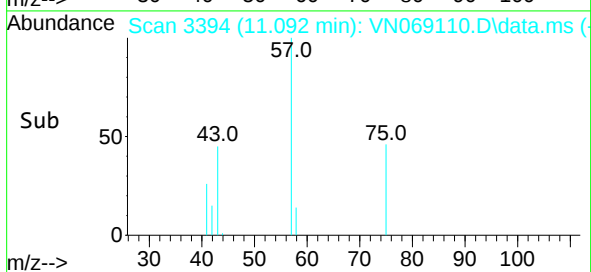
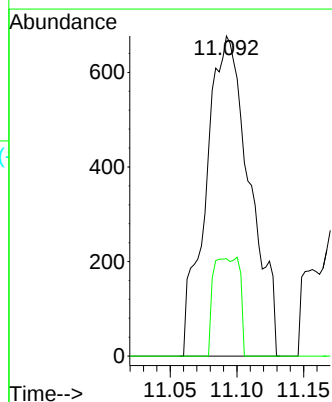
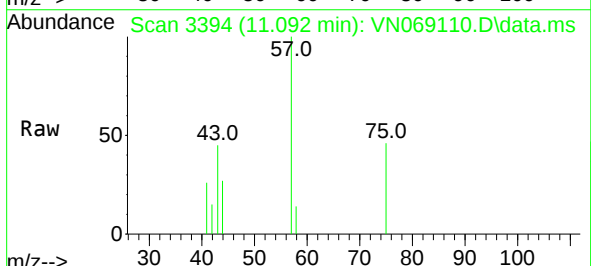
Instrument :
MSVOA_N
ClientSampleId :

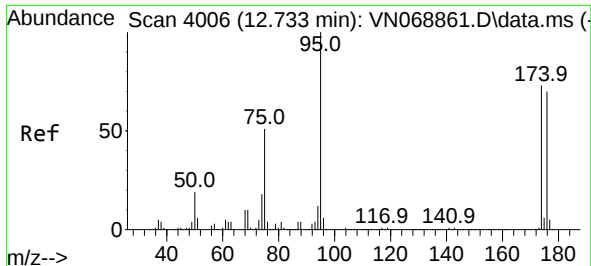
Tgt Ion: 98 Resp: 735933
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#59
2-Hexanone
Concen: 0.406 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069110.D
Acq: 22 Oct 2021 1:16

Tgt Ion: 43 Resp: 1546
Ion Ratio Lower Upper
43 100
58 18.4 26.9 80.7#

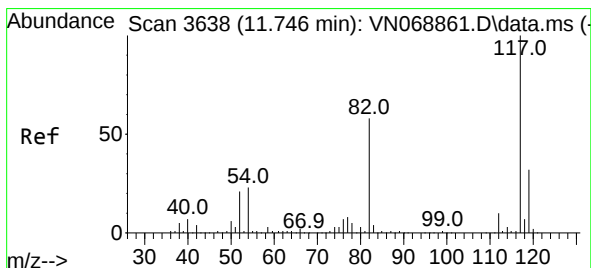
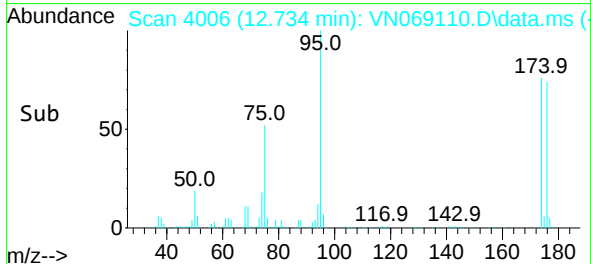
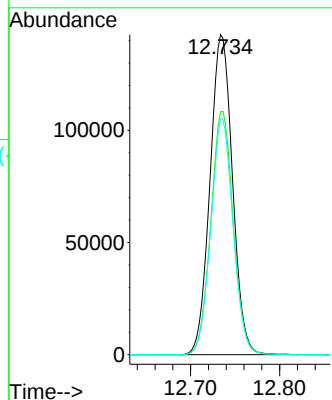
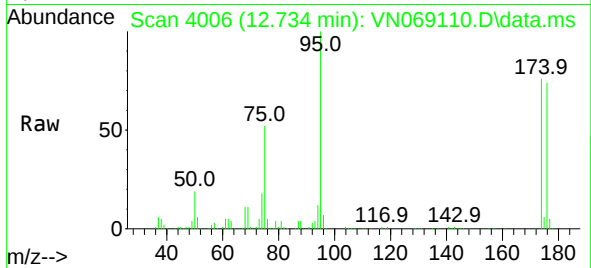




#62
4-Bromofluorobenzene
Concen: 48.368 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069110.D
Acq: 22 Oct 2021 1:16

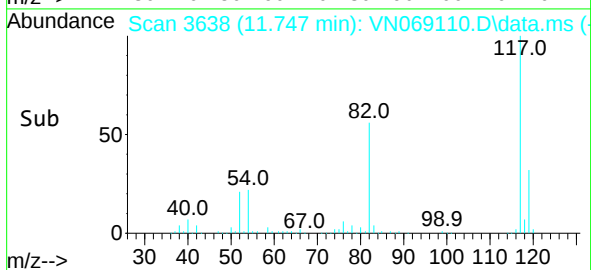
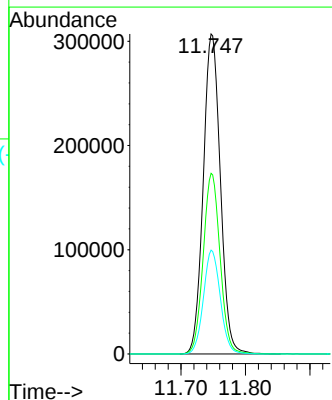
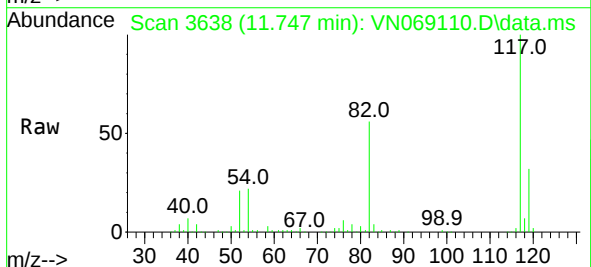
Instrument :
MSVOA_N
ClientSampleId :

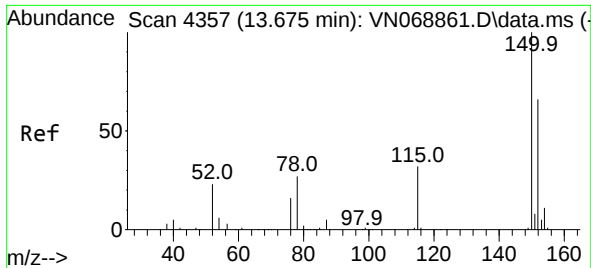
Tgt Ion: 95 Resp: 250143
Ion Ratio Lower Upper
95 100
174 76.0 0.0 144.8
176 73.2 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069110.D
Acq: 22 Oct 2021 1:16

Tgt Ion: 117 Resp: 566444
Ion Ratio Lower Upper
117 100
82 56.5 46.4 69.6
119 32.5 26.0 39.0

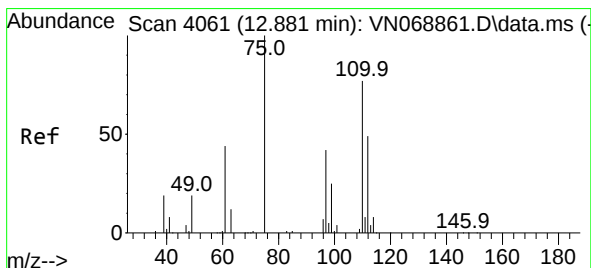
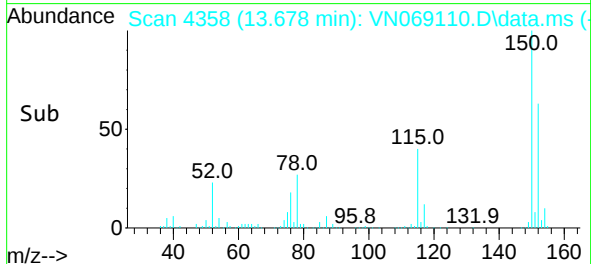
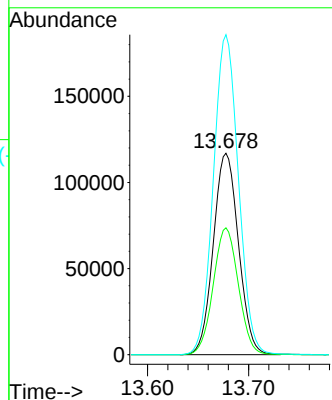
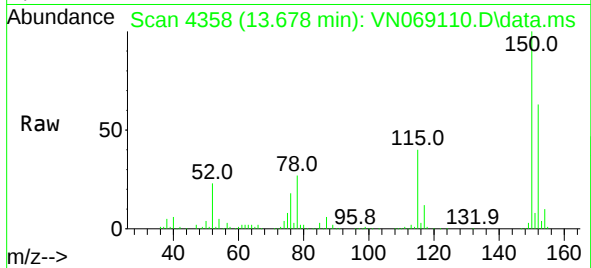




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN069110.D
 Acq: 22 Oct 2021 1:16

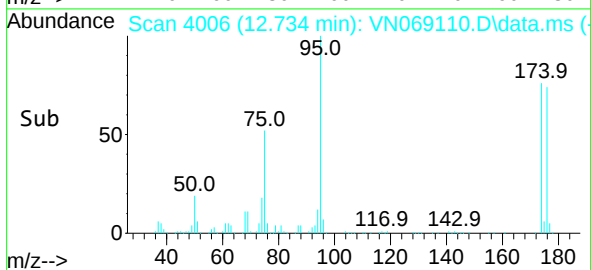
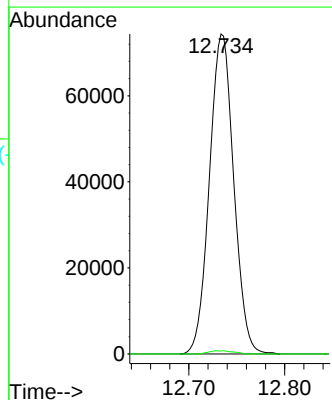
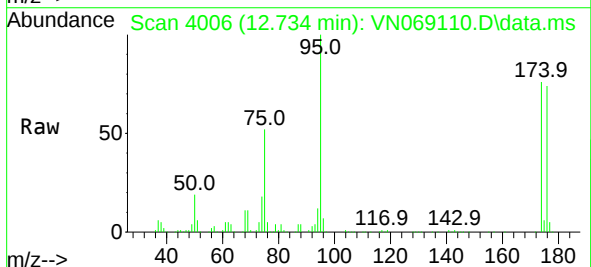
Instrument :
 MSVOA_N
 ClientSampleId :

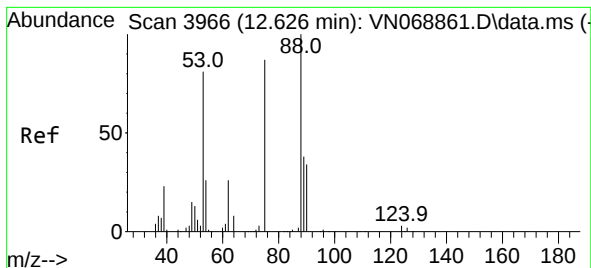
Tgt Ion:152 Resp: 202461
 Ion Ratio Lower Upper
 152 100
 115 63.0 31.4 94.3
 150 158.2 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 30.374 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.147 min
 Lab File: VN069110.D
 Acq: 22 Oct 2021 1:16

Tgt Ion: 75 Resp: 130846
 Ion Ratio Lower Upper
 75 100
 77 1.0 96.2 288.4#

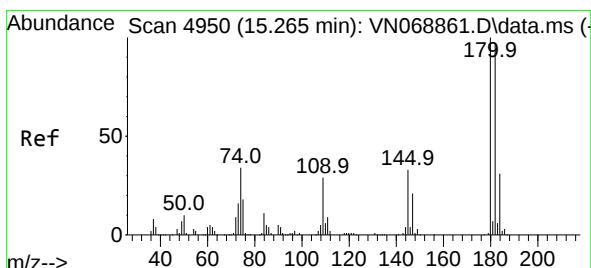
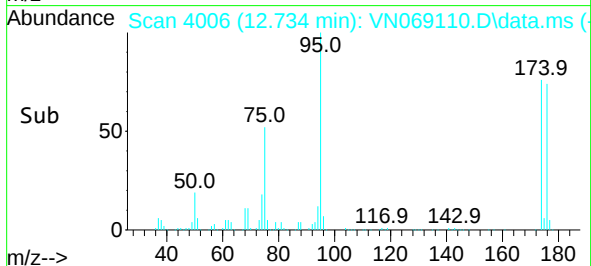
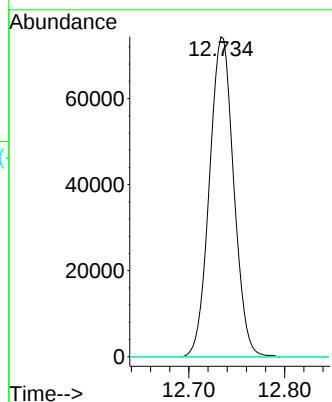
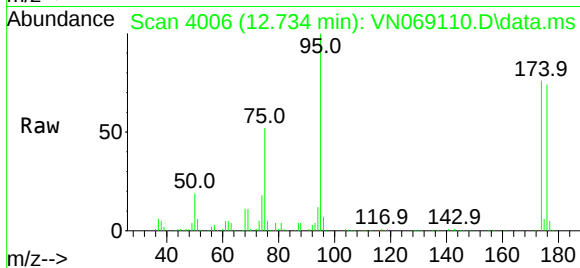




#81
trans-1,4-Dichloro-2-butene
Concen: 72.669 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069110.D
Acq: 22 Oct 2021 1:16

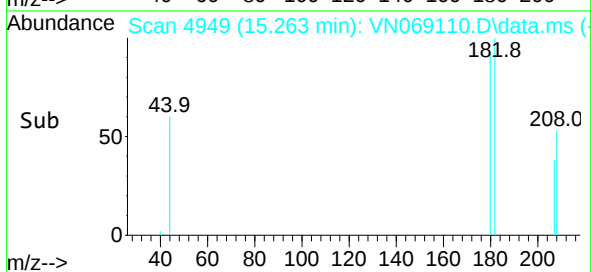
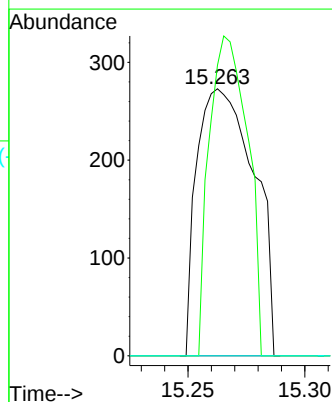
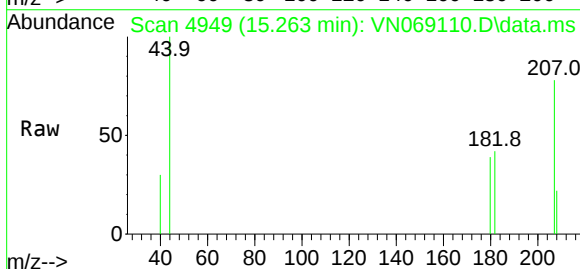
Instrument :
MSVOA_N
ClientSampleId :

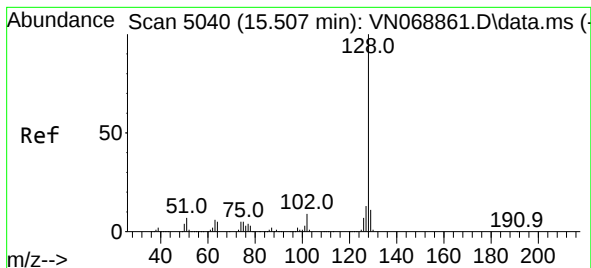
Tgt Ion: 75 Resp: 130846
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.731 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN069110.D
Acq: 22 Oct 2021 1:16

Tgt Ion:180 Resp: 463
Ion Ratio Lower Upper
180 100
182 80.3 47.9 143.7
145 0.0 16.4 49.2#

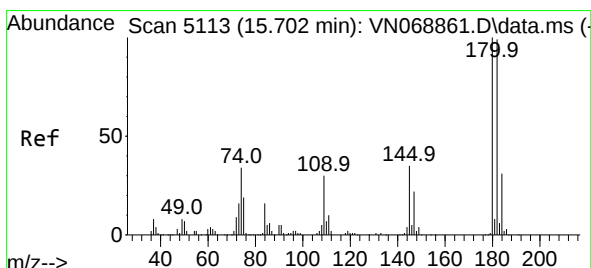
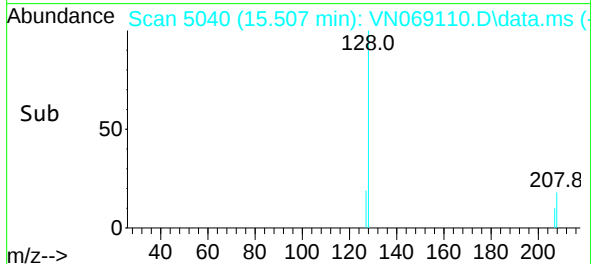
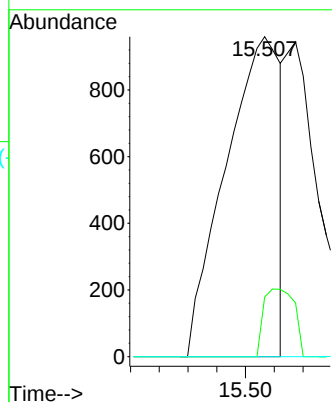
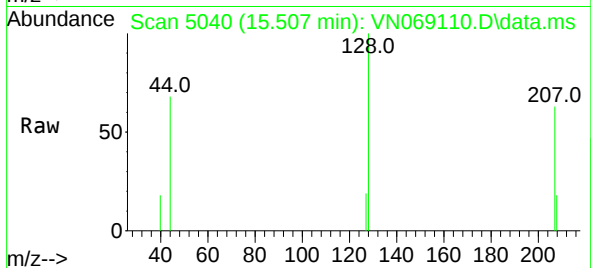




#95
Naphthalene
Concen: 3.936 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069110.D
Acq: 22 Oct 2021 1:16

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 1263
Ion Ratio Lower Upper
128 100
127 11.9 10.5 15.7
129 0.0 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.637 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN069110.D
Acq: 22 Oct 2021 1:16

Tgt Ion:180 Resp: 421
Ion Ratio Lower Upper
180 100
182 86.5 48.1 144.3
145 0.0 17.4 52.2#

