

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101921\
 Data File : VN069047.D
 Acq On : 20 Oct 2021 1:21
 Operator : JC/MD
 Sample : M4286-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 05:52:28 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)

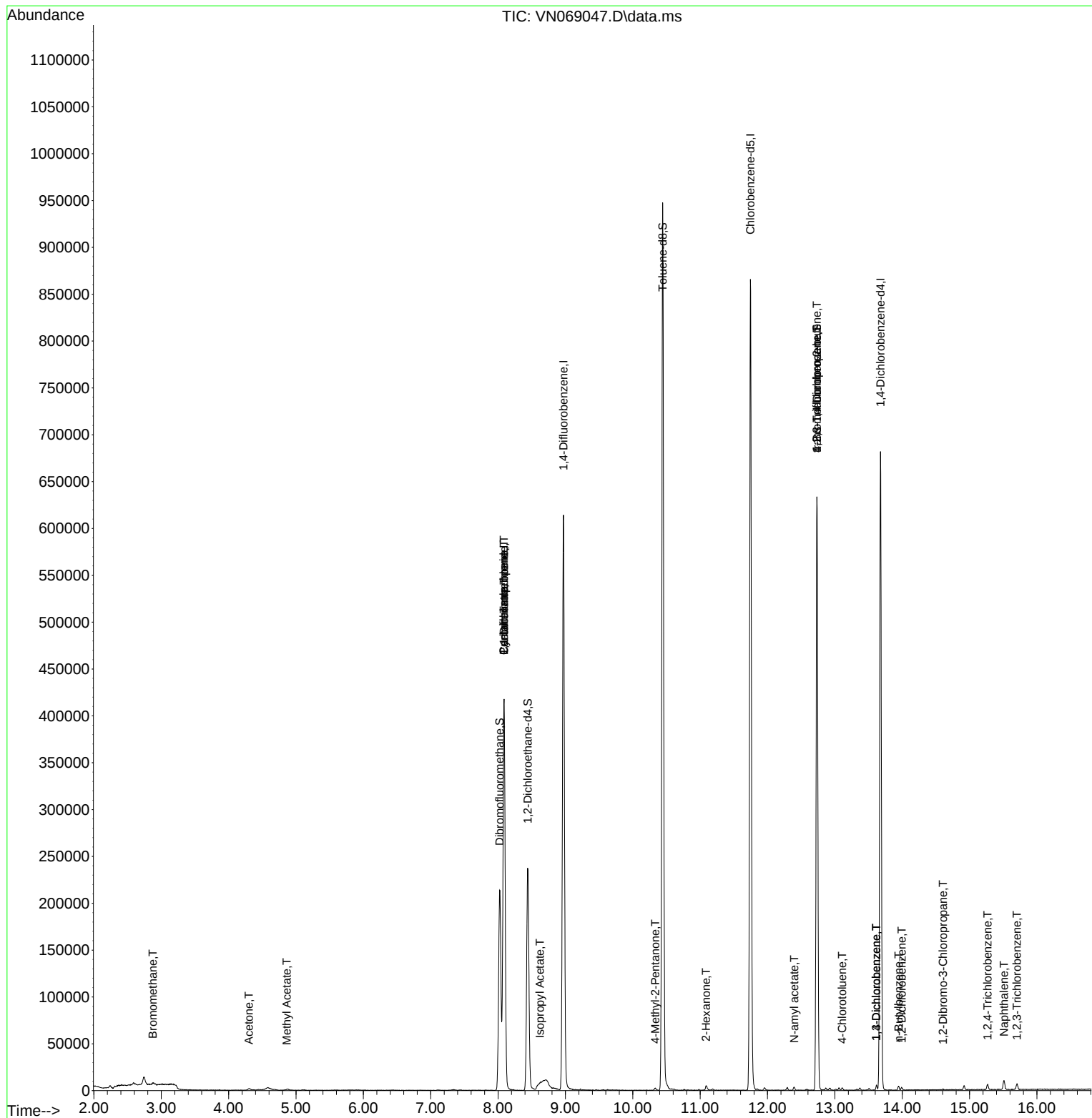
Internal Standards						
1) Pentafluorobenzene	8.088	168	313715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	544694	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	514819	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	181160	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	203950	49.308	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.620%		
35) Dibromofluoromethane	8.024	113	161568	50.983	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.960%		
50) Toluene-d8	10.443	98	682166	53.799	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.600%		
62) 4-Bromofluorobenzene	12.733	95	233212	48.748	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.500%		
Target Compounds						Qvalue
5) Bromomethane	2.874	94	1034	0.483	ug/l	97
16) Acetone	4.299	43	1502	0.973	ug/l	89
18) Methyl Acetate	4.862	43	3115	0.532	ug/l #	61
31) Cyclohexane	8.088	56	7595	1.181	ug/l #	5
36) 1,1-Dichloropropene	8.088	75	25537	5.489	ug/l #	49
38) Carbon Tetrachloride	8.088	117	32046	6.272	ug/l #	16
43) Isopropyl Acetate	8.622	43	7576	0.894	ug/l #	55
51) 4-Methyl-2-Pentanone	10.333	43	2262	0.460	ug/l #	80
59) 2-Hexanone	11.087	43	4250	1.206	ug/l	87
74) N-amyl acetate	12.396	43	2419	0.423	ug/l	90
76) 1,2,3-Trichloropropane	12.733	75	122917	31.889	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	122917	76.292	ug/l #	12
82) 4-Chlorotoluene	13.109	91	2334	0.231	ug/l	89
87) 1,3-Dichlorobenzene	13.616	146	1579	0.274	ug/l	95
88) 1,4-Dichlorobenzene	13.616	146	1579	0.276	ug/l	96
89) n-Butylbenzene	13.948	91	3240	0.320	ug/l	91
91) 1,2-Dichlorobenzene	13.994	146	1395	0.249	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.605	75	262	0.312	ug/l #	47
93) 1,2,4-Trichlorobenzene	15.268	180	2298	3.317	ug/l	90
95) Naphthalene	15.509	128	10215	4.934	ug/l	98
96) 1,2,3-Trichlorobenzene	15.702	180	2612	3.371	ug/l	89

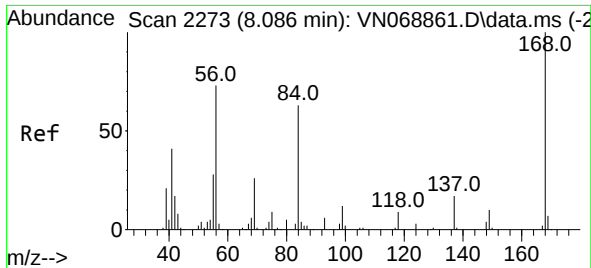
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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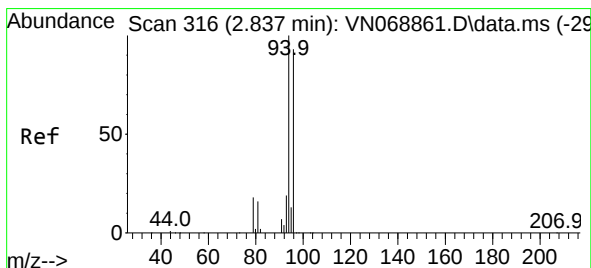
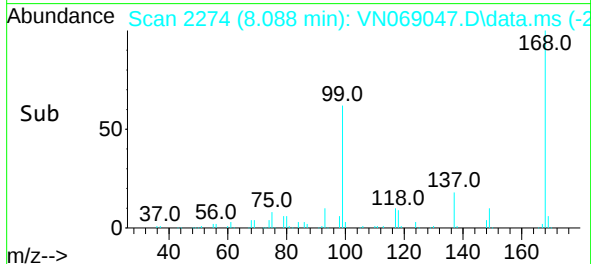
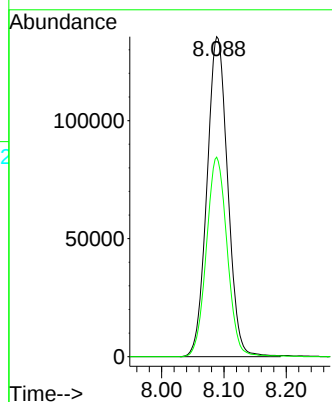
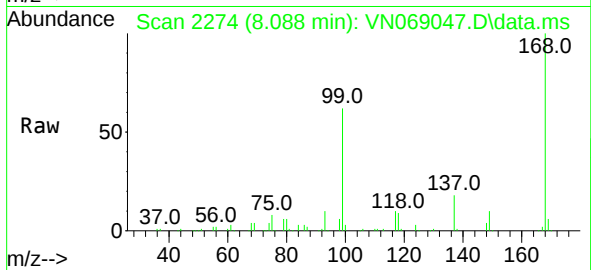




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

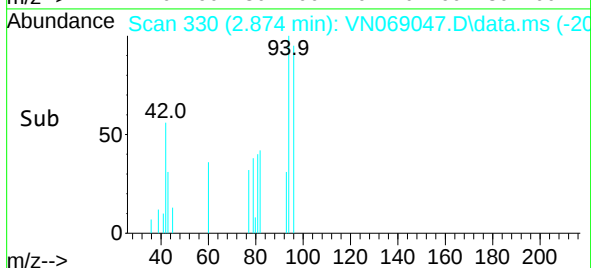
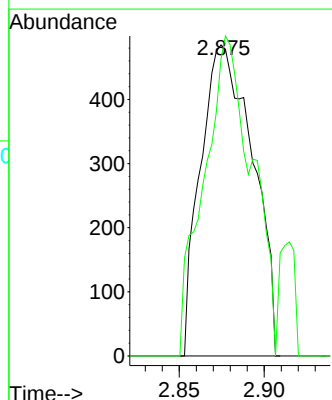
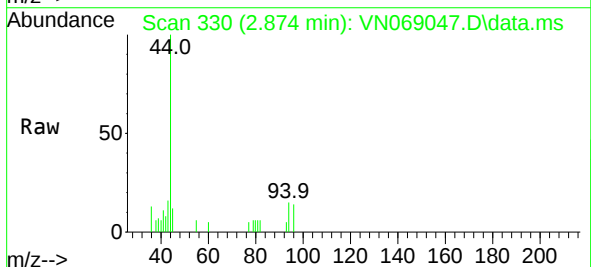
Instrument :
MSVOA_N
ClientSampled :

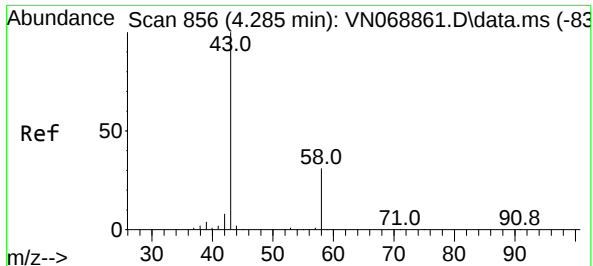
Tgt Ion:168 Resp: 313715
Ion Ratio Lower Upper
168 100
99 62.4 48.9 73.3



#5
Bromomethane
Concen: 0.483 ug/l
RT: 2.874 min Scan# 330
Delta R.T. 0.038 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

Tgt Ion: 94 Resp: 1034
Ion Ratio Lower Upper
94 100
96 95.5 74.2 111.4

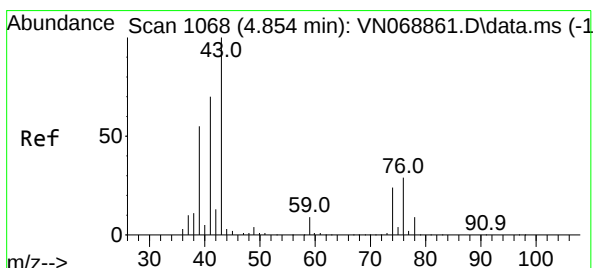
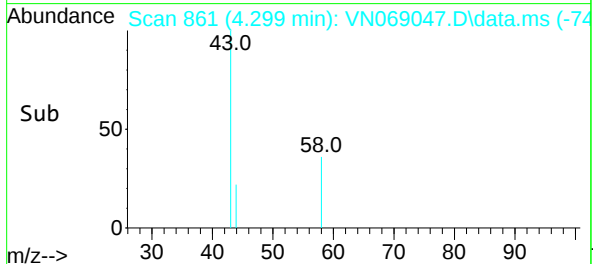
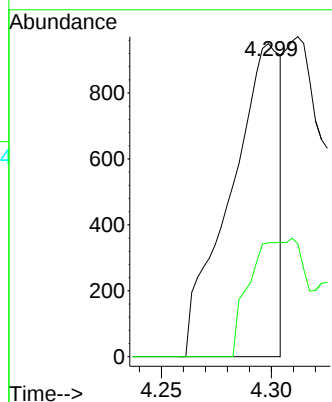
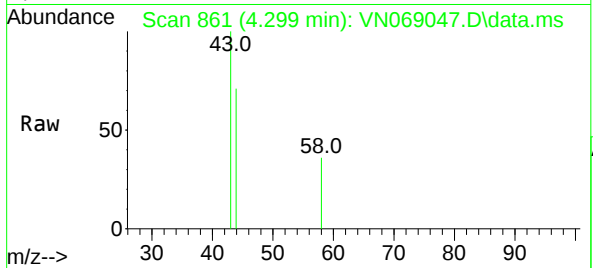




#16
Acetone
Concen: 0.973 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.013 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

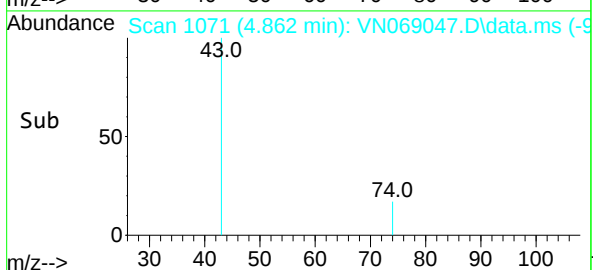
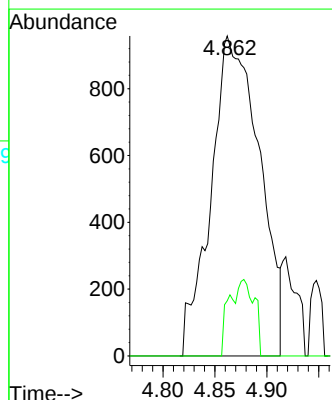
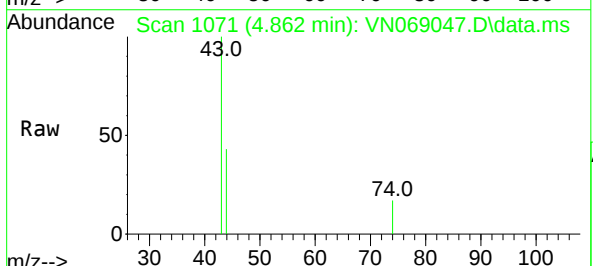
Instrument :
MSVOA_N
ClientSampled :

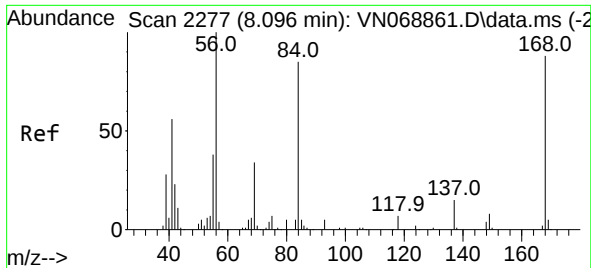
Tgt Ion: 43 Resp: 1502
Ion Ratio Lower Upper
43 100
58 36.4 24.5 36.7



#18
Methyl Acetate
Concen: 0.532 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

Tgt Ion: 43 Resp: 3115
Ion Ratio Lower Upper
43 100
74 4.3 18.9 28.3#

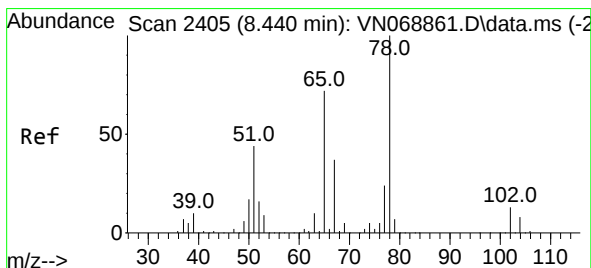
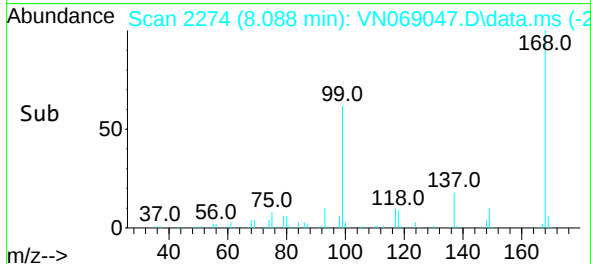
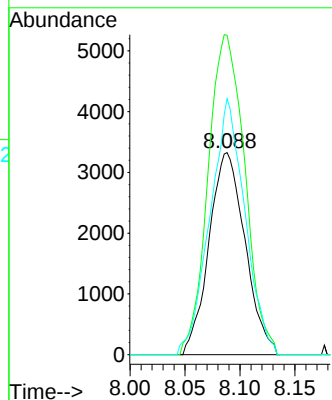
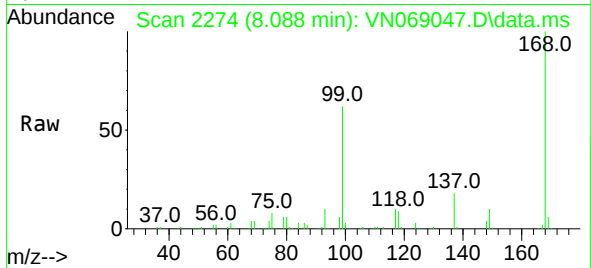




#31
Cyclohexane
Concen: 1.181 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

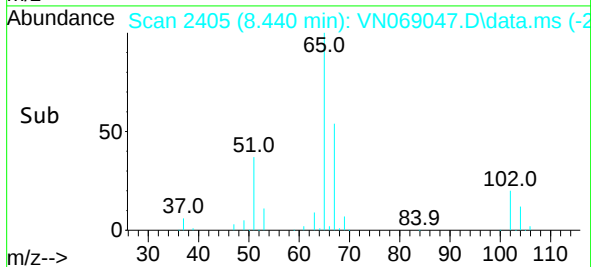
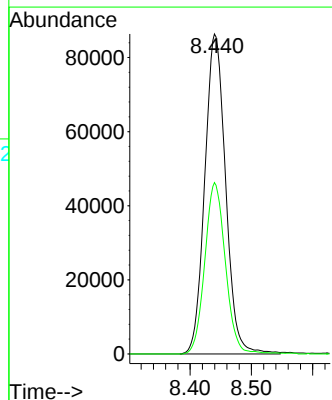
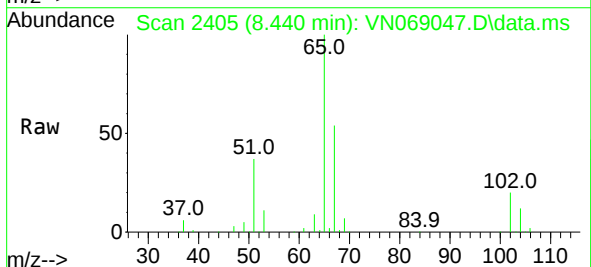
Instrument :
MSVOA_N
ClientSampleId :

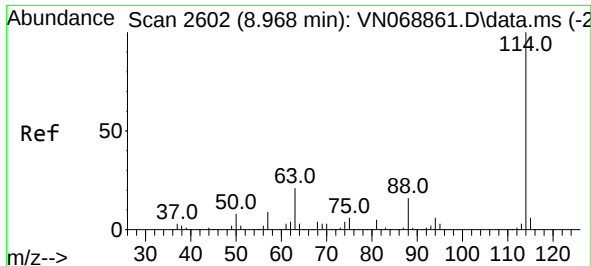
Tgt Ion: 56 Resp: 7595
Ion Ratio Lower Upper
56 100
69 158.0 26.9 40.3#
84 126.7 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.308 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

Tgt Ion: 65 Resp: 203950
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.8

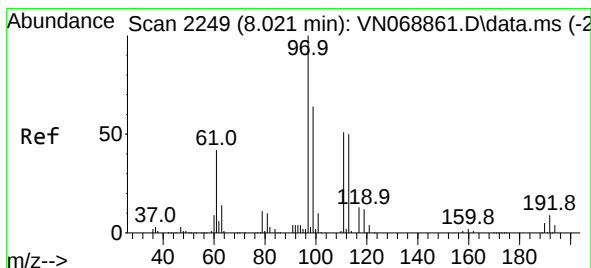
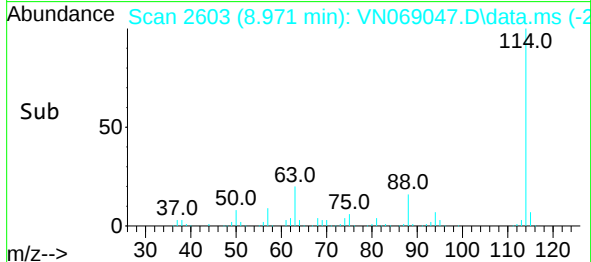
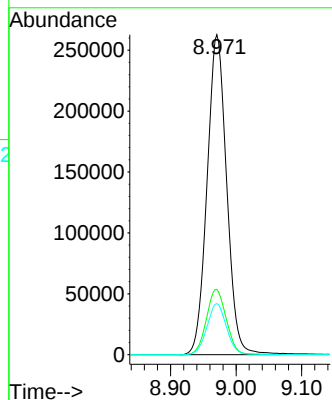
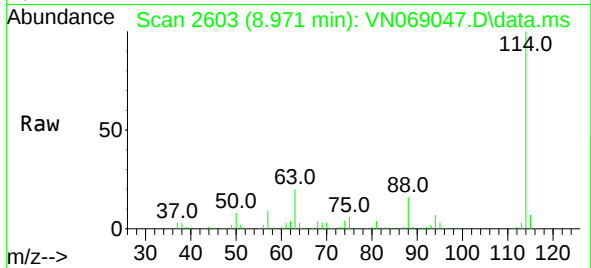




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

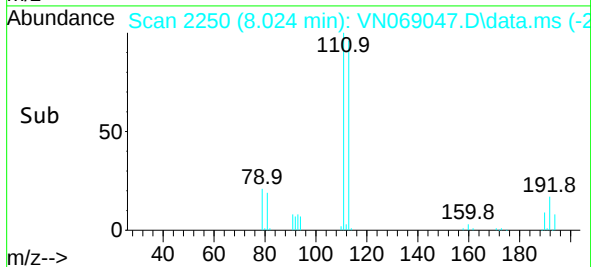
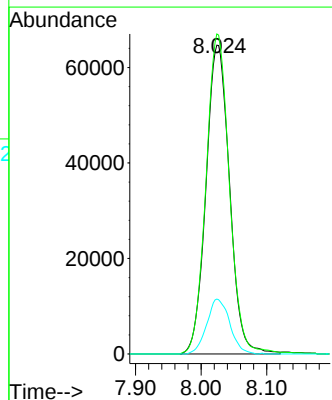
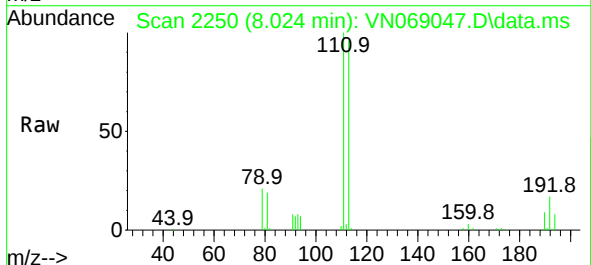
Instrument :
MSVOA_N
ClientSampleId :

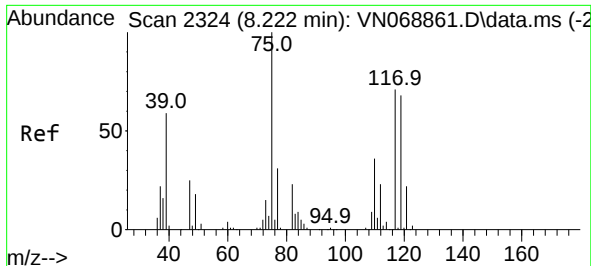
Tgt Ion:114 Resp: 544694
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 16.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.983 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

Tgt Ion:113 Resp: 161568
Ion Ratio Lower Upper
113 100
111 102.4 83.2 124.8
192 17.4 15.0 22.4

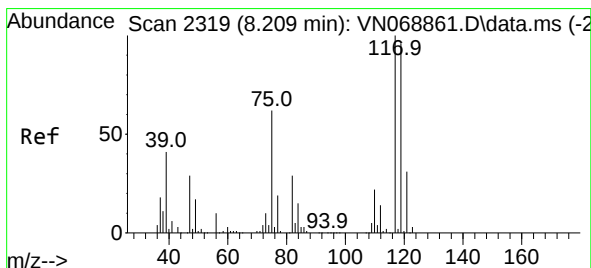
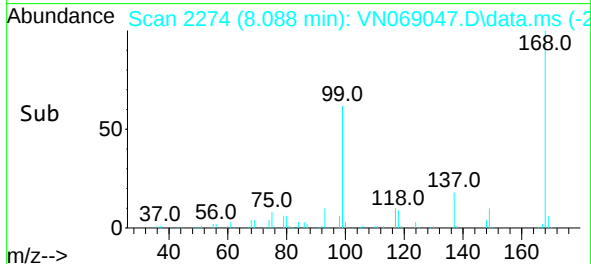
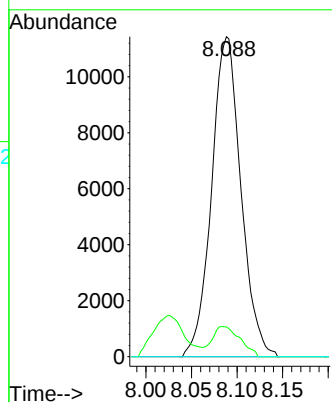
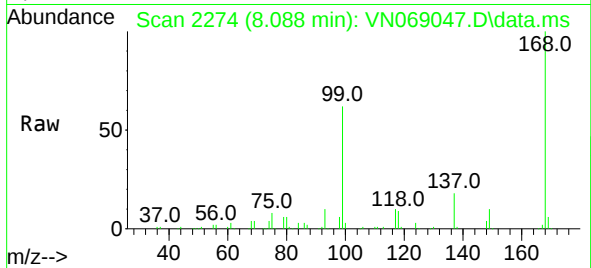




#36
 1,1-Dichloropropene
 Concen: 5.489 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.134 min
 Lab File: VN069047.D
 Acq: 20 Oct 2021 1:21

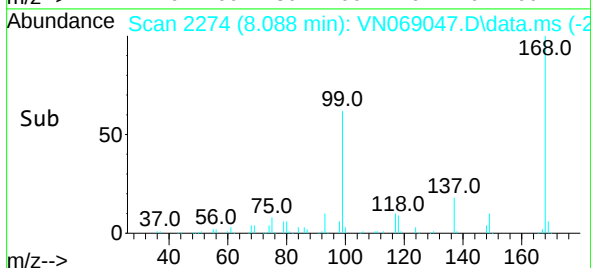
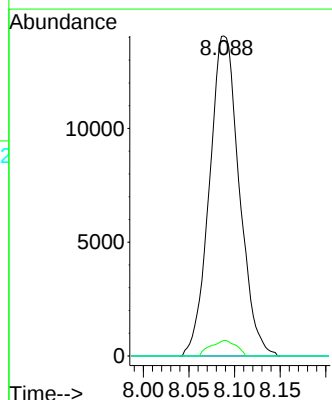
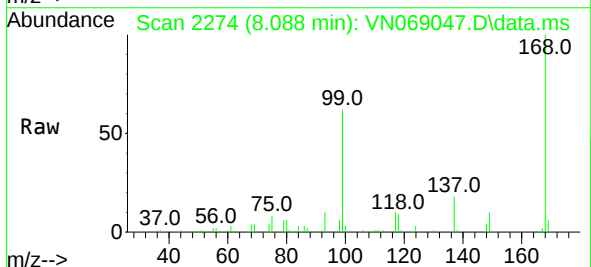
Instrument :
 MSVOA_N
 ClientSampled :

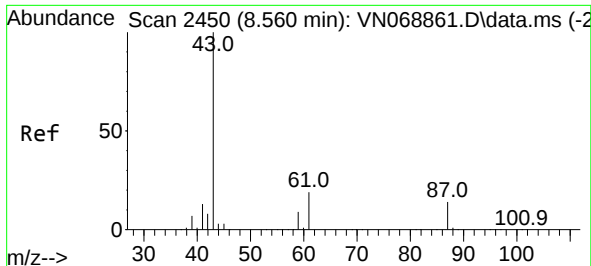
Tgt Ion: 75 Resp: 25537
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.9 53.8#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.272 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.121 min
 Lab File: VN069047.D
 Acq: 20 Oct 2021 1:21

Tgt Ion: 117 Resp: 32046
 Ion Ratio Lower Upper
 117 100
 119 4.9 76.9 115.3#
 121 0.0 24.6 37.0#

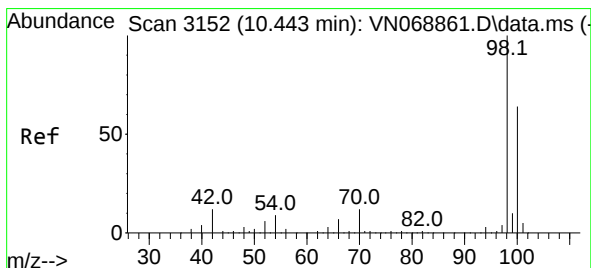
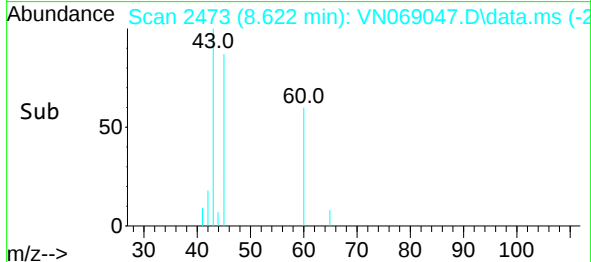
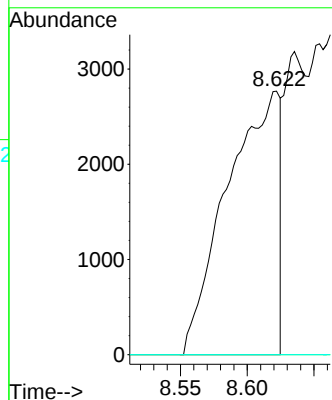
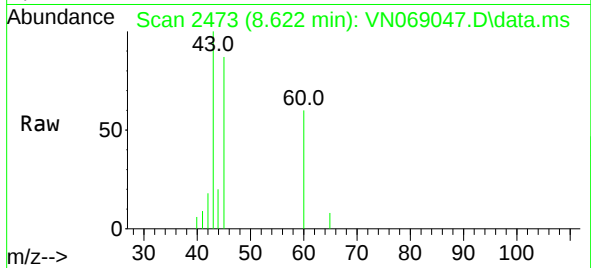




#43
Isopropyl Acetate
Concen: 0.894 ug/l
RT: 8.622 min Scan# 2473
Delta R.T. 0.062 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

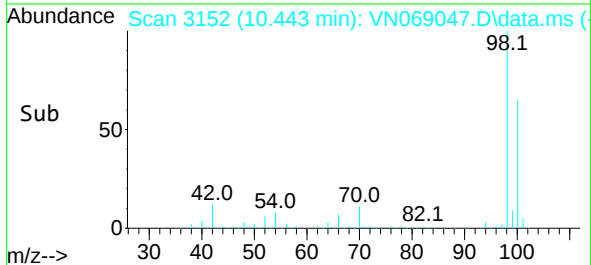
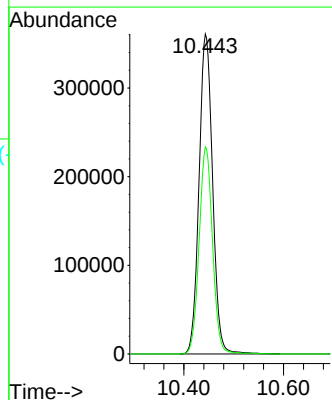
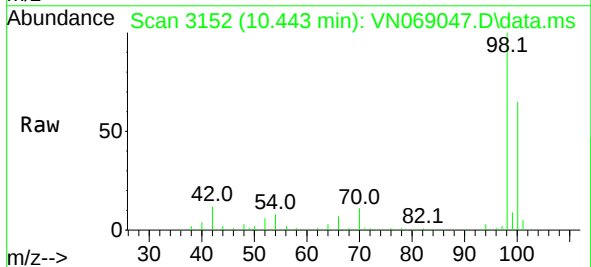
Instrument :
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ClientSampled :

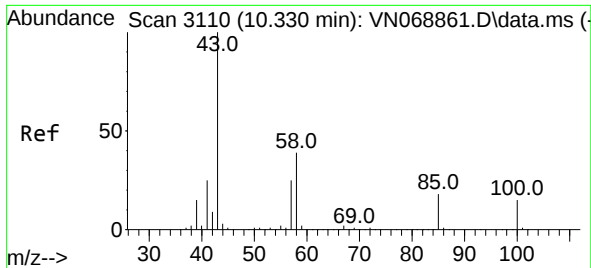
Tgt Ion: 43 Resp: 7576
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 53.799 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

Tgt Ion: 98 Resp: 682166
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3

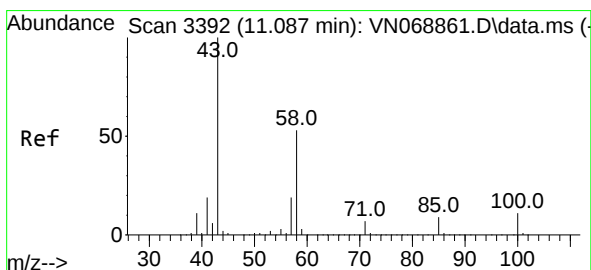
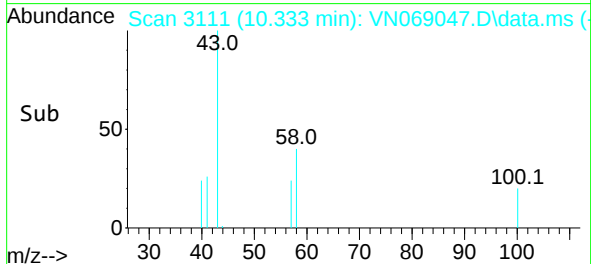
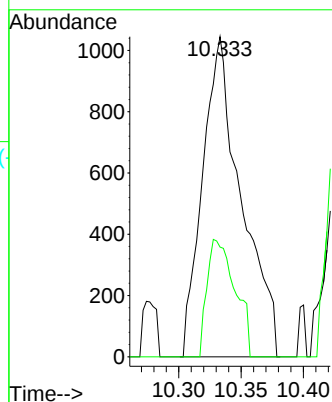
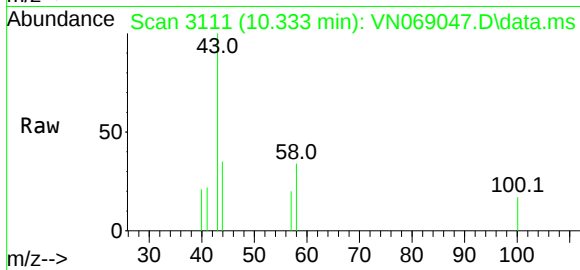




#51
4-Methyl-2-Pentanone
Concen: 0.460 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

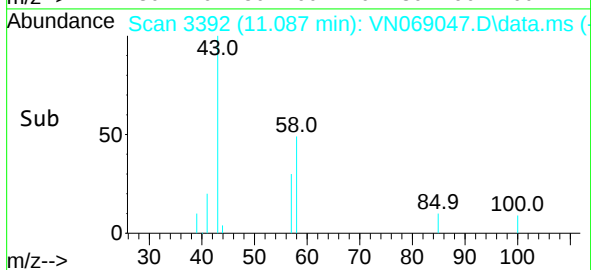
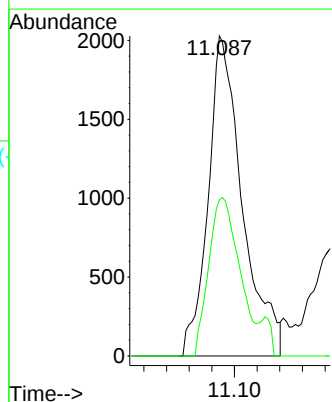
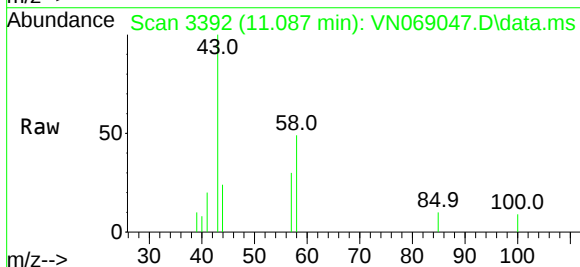
Instrument :
MSVOA_N
ClientSampled :

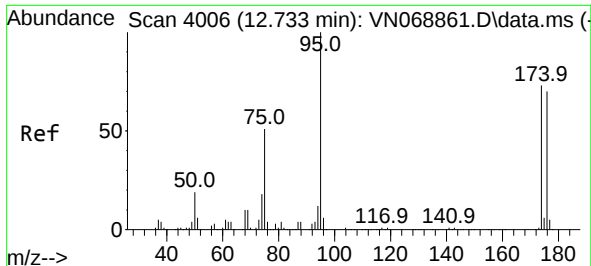
Tgt Ion: 43 Resp: 2262
Ion Ratio Lower Upper
43 100
58 26.4 31.0 46.4#



#59
2-Hexanone
Concen: 1.206 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

Tgt Ion: 43 Resp: 4250
Ion Ratio Lower Upper
43 100
58 44.3 26.9 80.7

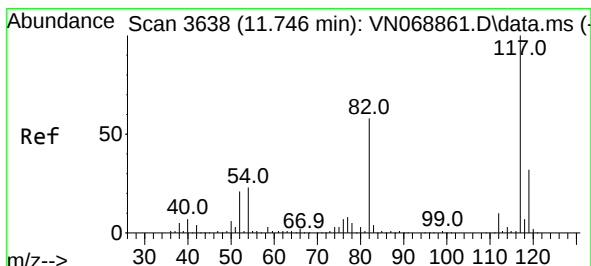
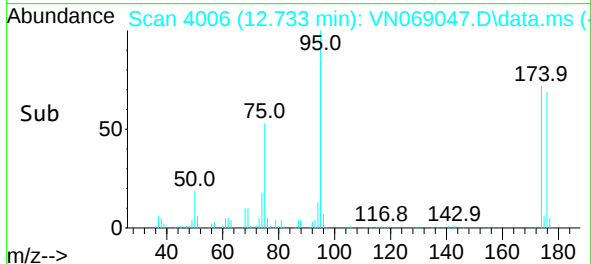
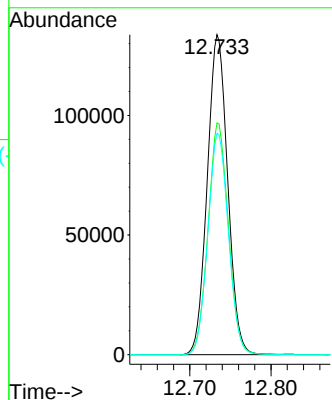
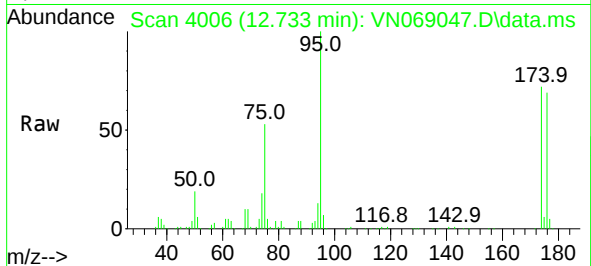




#62
4-Bromofluorobenzene
Concen: 48.748 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

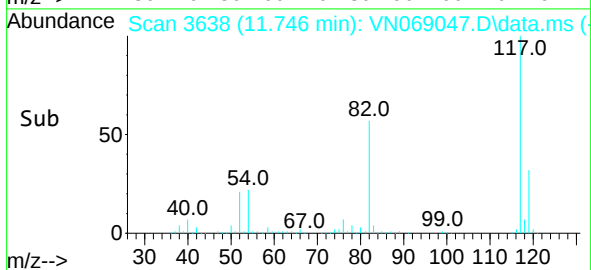
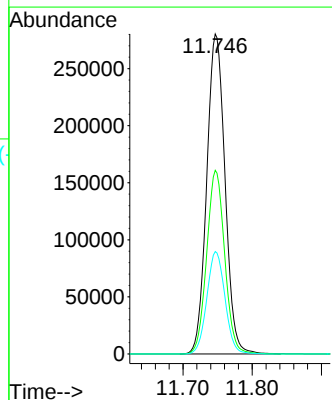
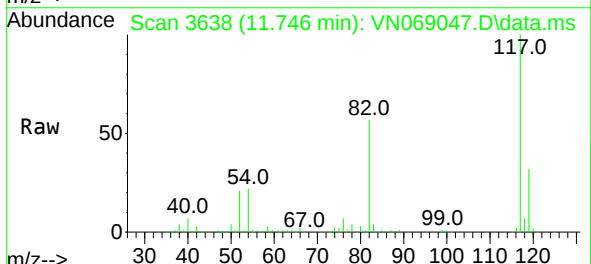
Instrument :
MSVOA_N
ClientSampleId :

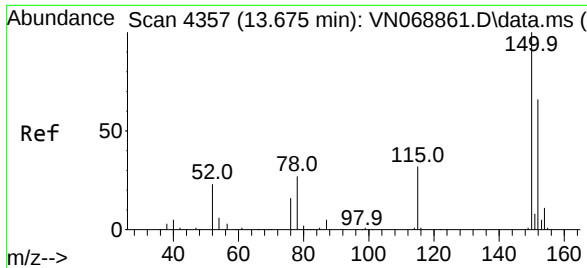
Tgt Ion: 95 Resp: 233212
Ion Ratio Lower Upper
95 100
174 72.4 0.0 144.8
176 69.7 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

Tgt Ion: 117 Resp: 514819
Ion Ratio Lower Upper
117 100
82 57.4 46.4 69.6
119 32.0 26.0 39.0

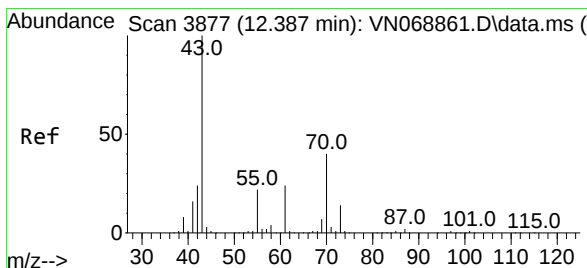
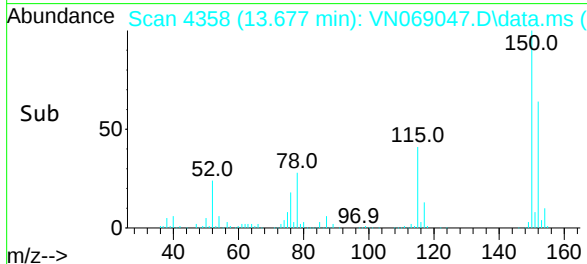
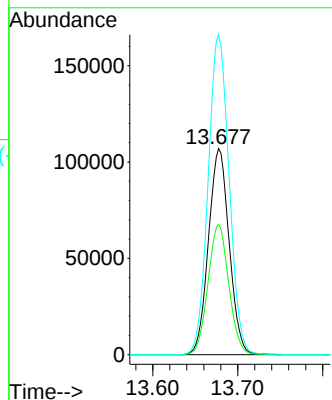
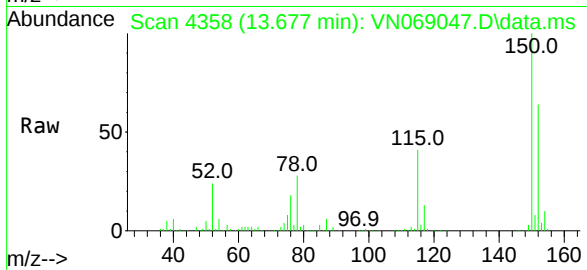




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

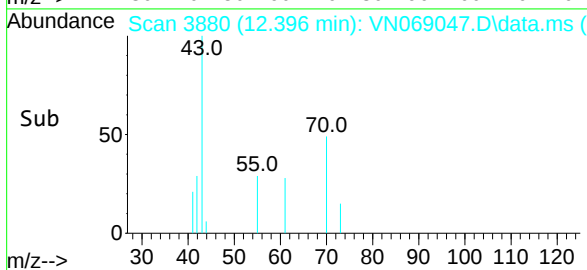
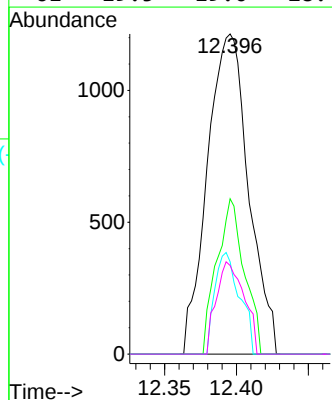
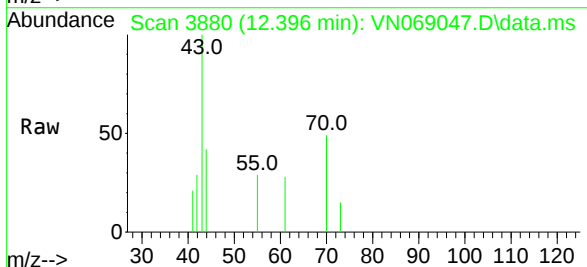
Instrument :
MSVOA_N
ClientSampled :

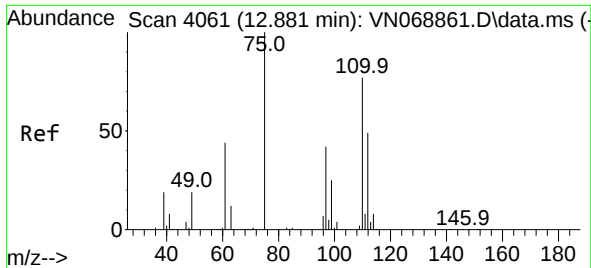
Tgt Ion:152 Resp: 181160
Ion Ratio Lower Upper
152 100
115 63.5 31.4 94.3
150 156.8 0.0 351.0



#74
N-ethyl acetate
Concen: 0.423 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.008 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

Tgt Ion: 43 Resp: 2419
Ion Ratio Lower Upper
43 100
70 32.5 32.2 48.2
55 19.1 18.0 27.0
61 19.5 19.0 28.4

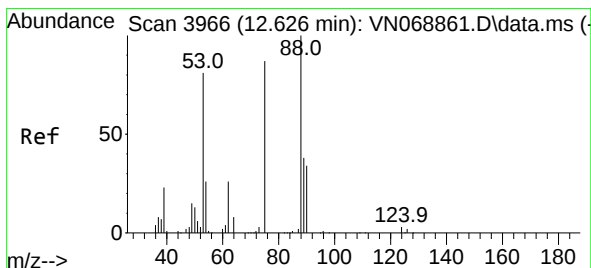
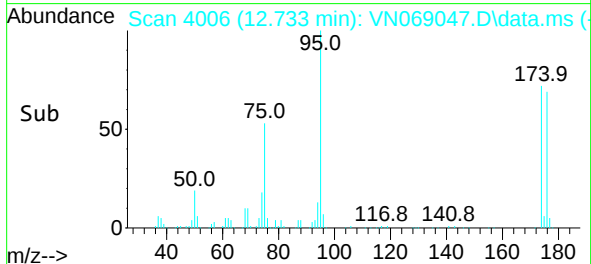
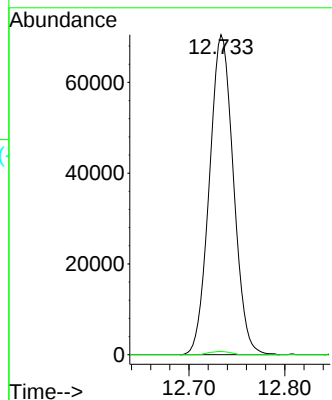
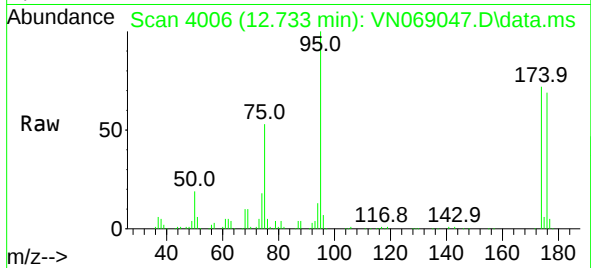




#76
1,2,3-Trichloropropane
Concen: 31.889 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

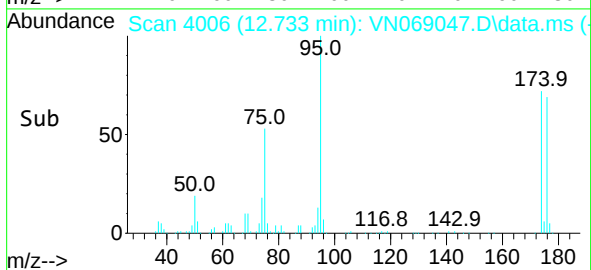
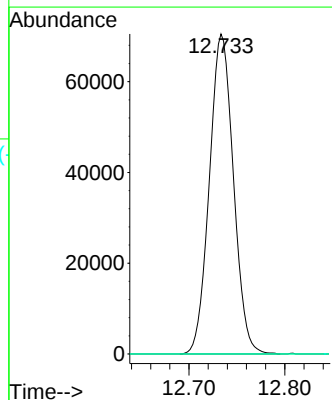
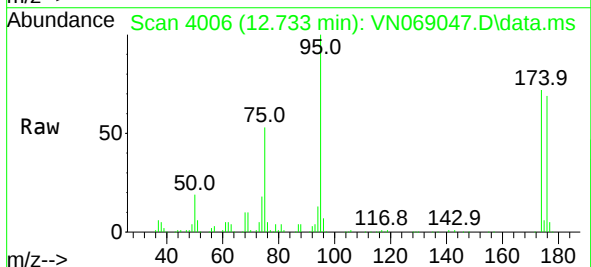
Instrument :
MSVOA_N
ClientSampled :

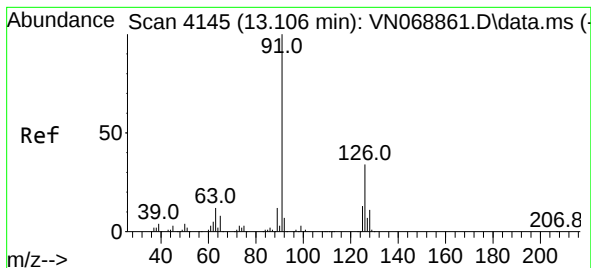
Tgt Ion: 75 Resp: 122917
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.292 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

Tgt Ion: 75 Resp: 122917
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

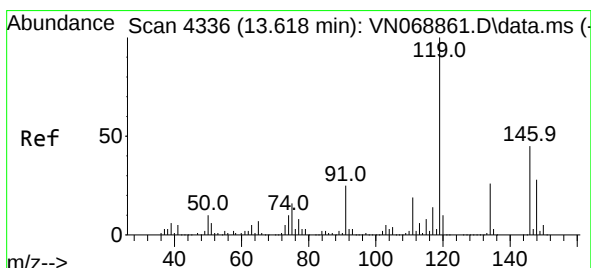
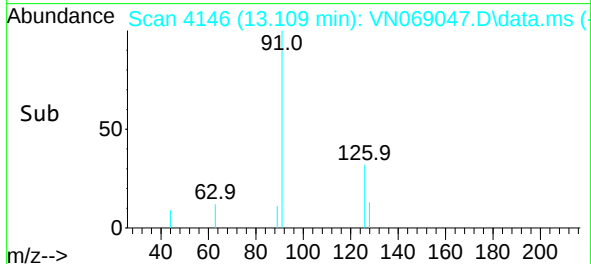
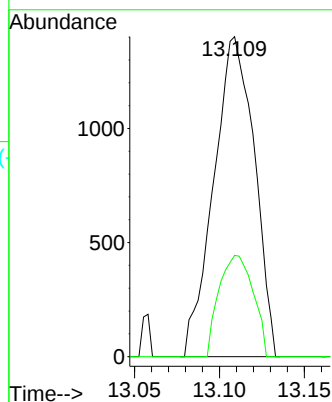
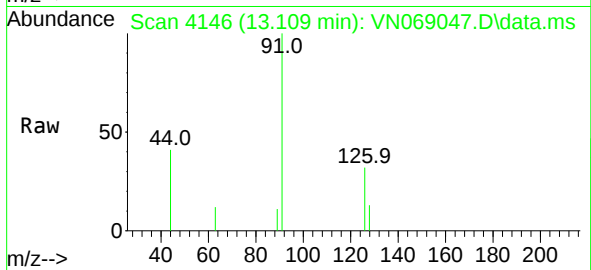




#82
4-Chlorotoluene
Concen: 0.231 ug/l
RT: 13.109 min Scan# 4146
Delta R.T. 0.003 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

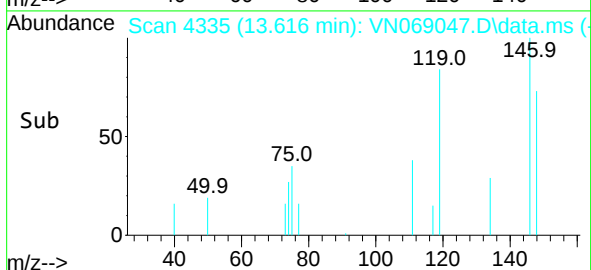
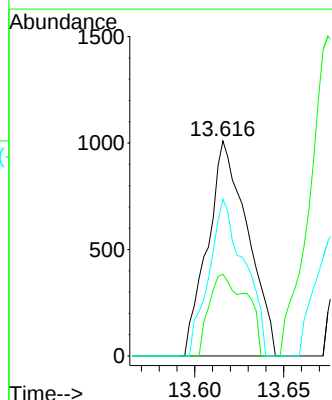
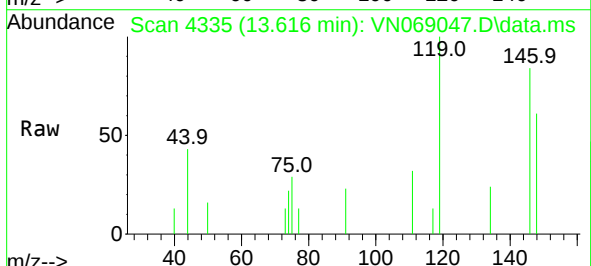
Instrument :
MSVOA_N
ClientSampled :

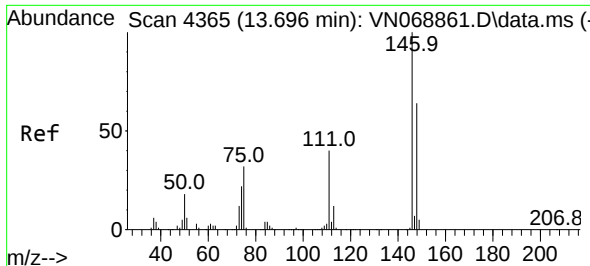
Tgt Ion: 91 Resp: 2334
Ion Ratio Lower Upper
91 100
126 26.5 16.3 48.8



#87
1,3-Dichlorobenzene
Concen: 0.274 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.003 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

Tgt Ion:146 Resp: 1579
Ion Ratio Lower Upper
146 100
111 35.3 21.4 64.2
148 64.8 32.0 96.2

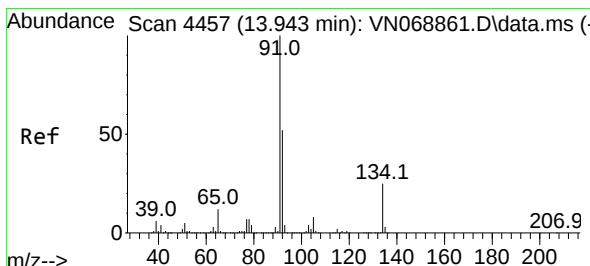
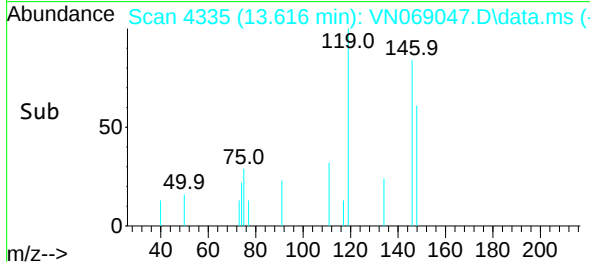
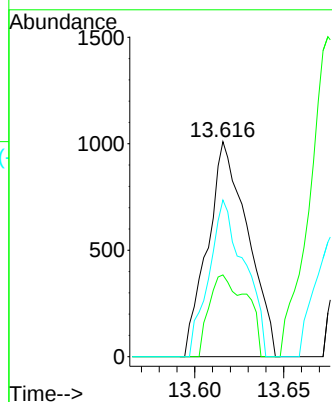
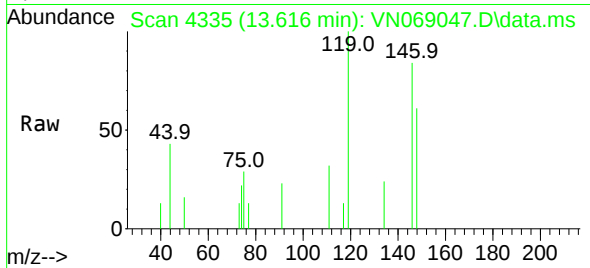




#88
1,4-Dichlorobenzene
Concen: 0.276 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.081 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

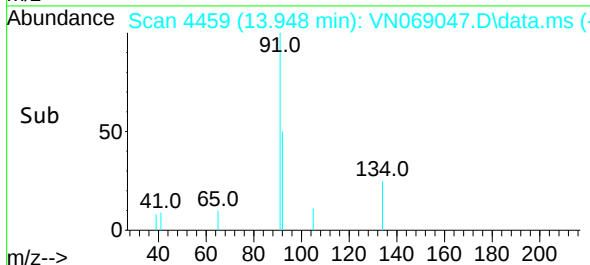
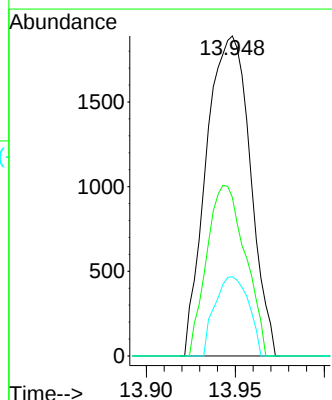
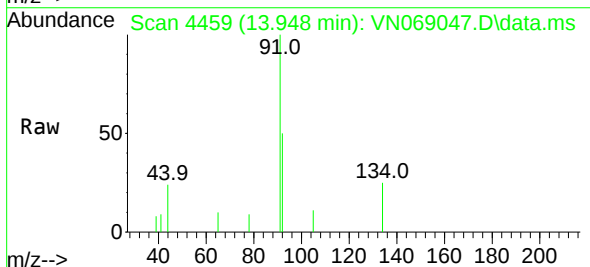
Instrument :
MSVOA_N
ClientSampled :

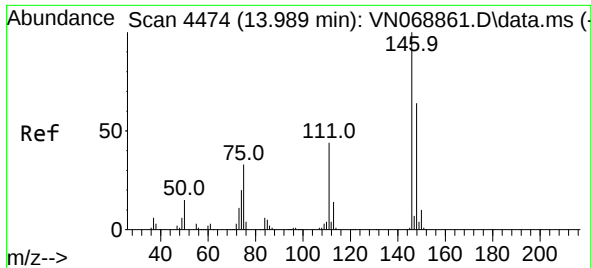
Tgt Ion:146 Resp: 1579
Ion Ratio Lower Upper
146 100
111 35.3 20.6 61.8
148 64.8 32.1 96.5



#89
n-Butylbenzene
Concen: 0.320 ug/l
RT: 13.948 min Scan# 4459
Delta R.T. 0.005 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

Tgt Ion: 91 Resp: 3240
Ion Ratio Lower Upper
91 100
92 46.7 26.0 78.0
134 18.9 12.5 37.5

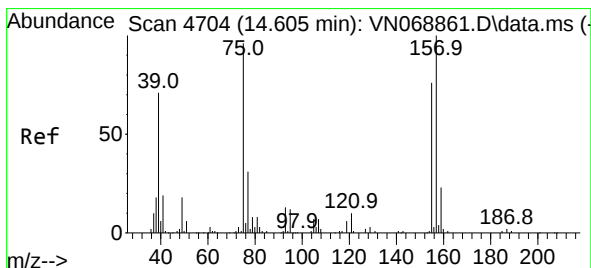
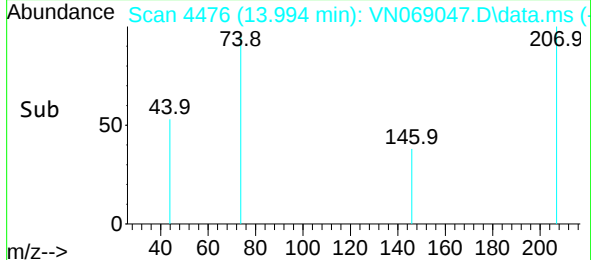
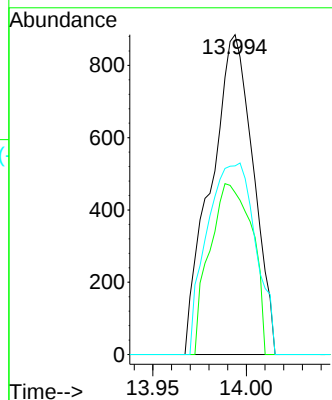
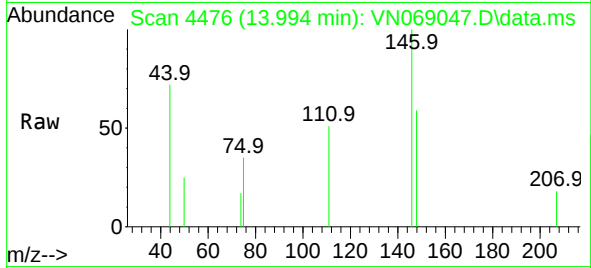




#91
1,2-Dichlorobenzene
Concen: 0.249 ug/l
RT: 13.994 min Scan# 4476
Delta R.T. 0.005 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

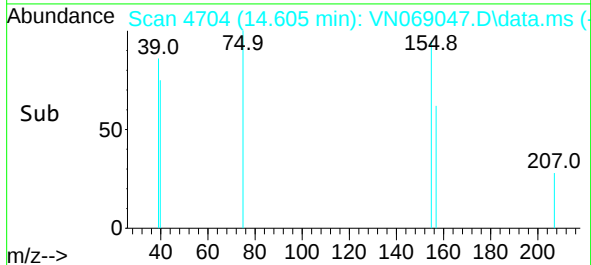
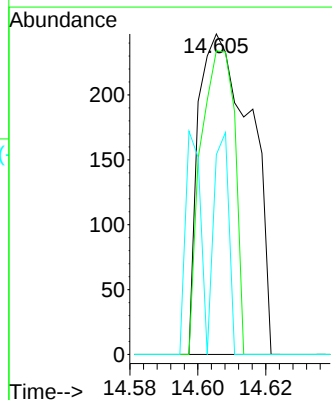
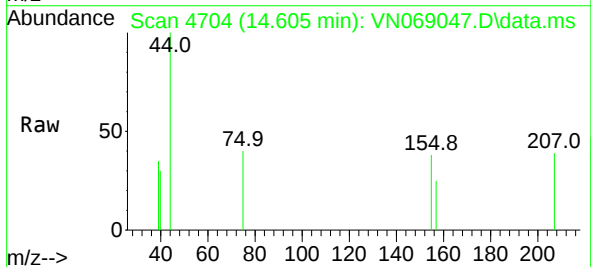
Instrument :
MSVOA_N
ClientSampled :

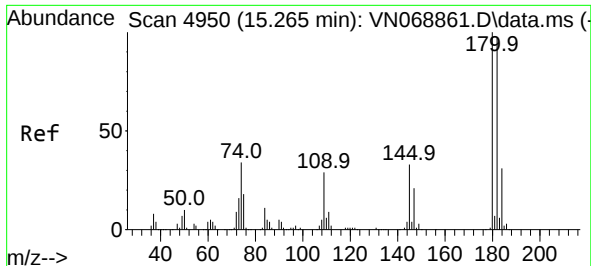
Tgt Ion:146 Resp: 1395
Ion Ratio Lower Upper
146 100
111 53.4 22.0 66.0
148 68.5 32.1 96.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.312 ug/l
RT: 14.605 min Scan# 4704
Delta R.T. -0.000 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

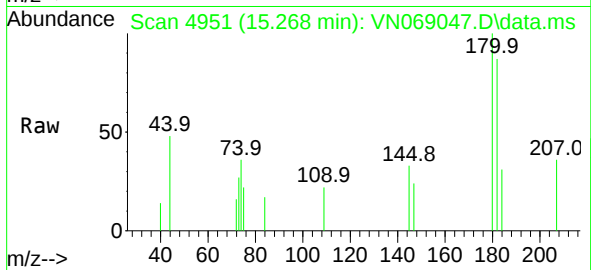
Tgt Ion: 75 Resp: 262
Ion Ratio Lower Upper
75 100
155 61.5 38.8 116.4
157 19.8 50.2 150.6#



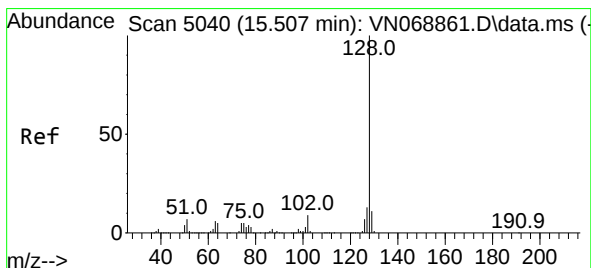
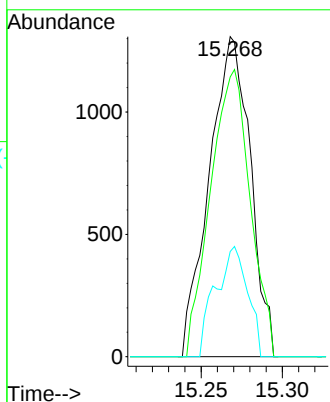
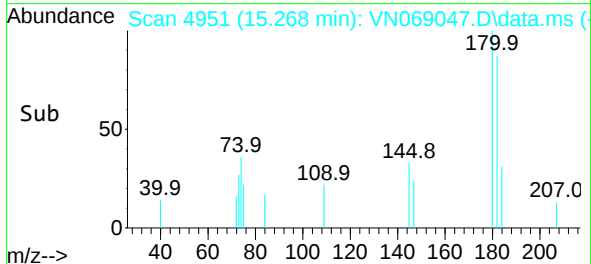


#93
1,2,4-Trichlorobenzene
Concen: 3.317 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21

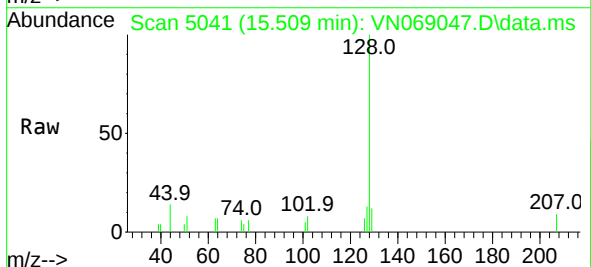
Instrument :
MSVOA_N
ClientSampled :



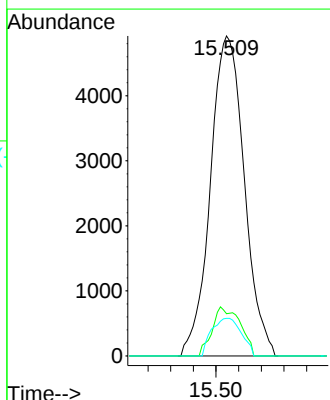
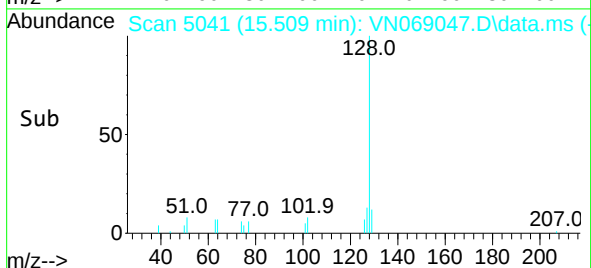
Tgt Ion:180 Resp: 2298
Ion Ratio Lower Upper
180 100
182 86.6 47.9 143.7
145 27.0 16.4 49.2

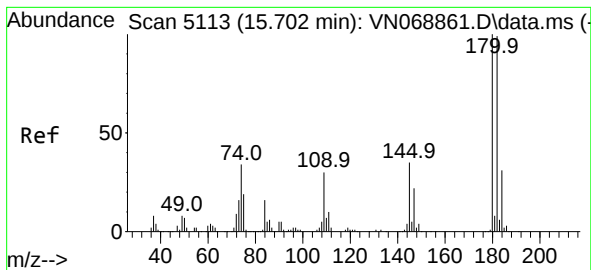


#95
Naphthalene
Concen: 4.934 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069047.D
Acq: 20 Oct 2021 1:21



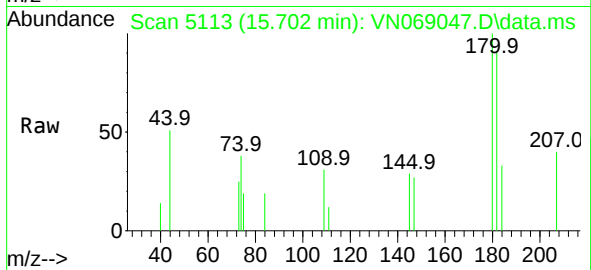
Tgt Ion:128 Resp: 10215
Ion Ratio Lower Upper
128 100
127 12.6 10.5 15.7
129 10.3 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 3.371 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.000 min
 Lab File: VN069047.D
 Acq: 20 Oct 2021 1:21

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2612
Ion	Ratio	Lower	Upper
180	100		
182	92.0	48.1	144.3
145	17.9	17.4	52.2

