

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102121\
 Data File : VN069090.D
 Acq On : 21 Oct 2021 16:02
 Operator : JC/MD
 Sample : M4284-13 200X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

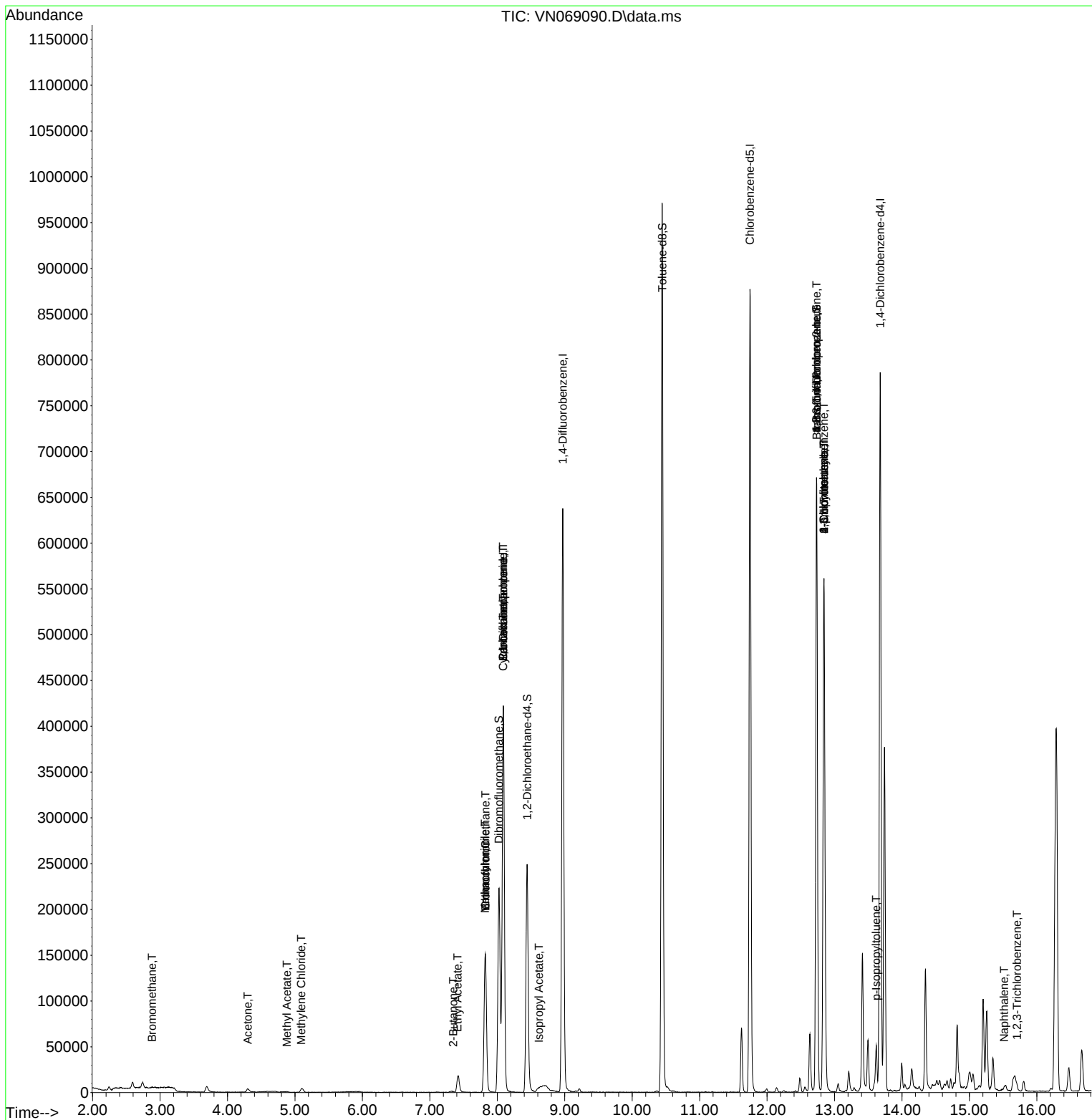
Quant Time: Oct 22 01:33:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

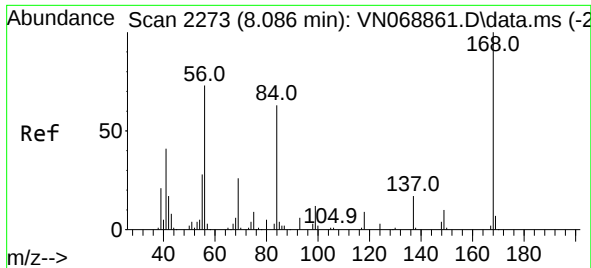
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	315326	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	555452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	514232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	207260	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	209678	50.434	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.860%			
35) Dibromofluoromethane	8.024	113	163587	50.620	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.240%			
50) Toluene-d8	10.446	98	691246	53.459	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.920%			
62) 4-Bromofluorobenzene	12.733	95	246235	50.473	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.940%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.880	94	431	0.200	ug/l	91
16) Acetone	4.299	43	6675	4.302	ug/l #	88
18) Methyl Acetate	4.881	43	1978	0.336	ug/l #	52
20) Methylene Chloride	5.093	84	1490	0.417	ug/l #	79
25) 2-Butanone	7.348	43	914	0.390	ug/l	90
28) Bromochloromethane	7.825	49	12580	4.501	ug/l #	14
30) Chloroform	7.823	83	154495	23.754	ug/l	99
31) Cyclohexane	8.086	56	7410	1.146	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	26122	5.506	ug/l #	50
37) Ethyl Acetate	7.412	43	13543	2.764	ug/l #	61
38) Carbon Tetrachloride	8.088	117	32560	6.249	ug/l #	16
41) Methacrylonitrile	7.817	41	516	0.209	ug/l #	21
43) Isopropyl Acetate	8.617	43	3644	0.421	ug/l #	55
71) Bromoform	12.736	173	944	0.309	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	128605	29.163	ug/l #	1
78) n-propylbenzene	12.843	91	70868	3.655	ug/l #	54
79) 2-Chlorotoluene	12.843	91	70868	5.931	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.843	105	14488	1.008	ug/l #	32
81) trans-1,4-Dichloro-2-b...	12.733	75	128605	69.770	ug/l #	12
82) 4-Chlorotoluene	12.843	91	68650	5.945	ug/l #	42
86) p-Isopropyltoluene	13.618	119	28434	2.046	ug/l	99
95) Naphthalene	15.515	128	1433	3.949	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.705	180	85	2.538	ug/l #	62

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

Quant Time: Oct 22 01:33:43 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

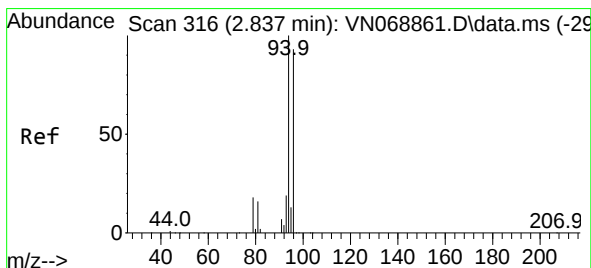
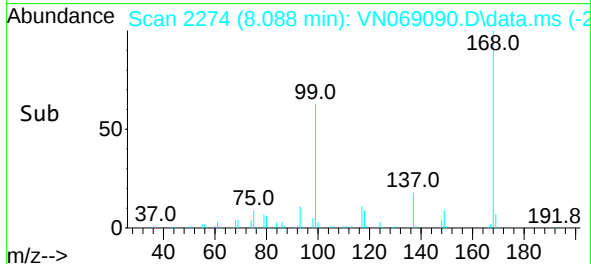
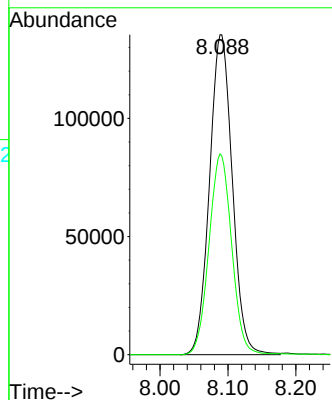
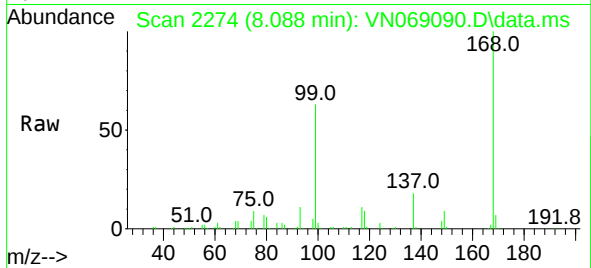




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

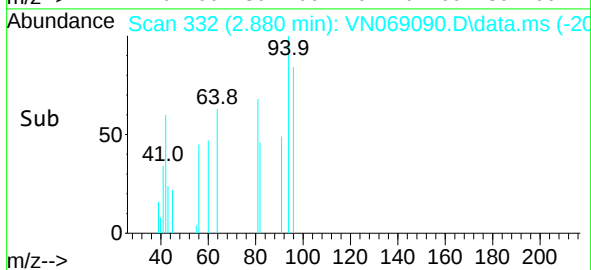
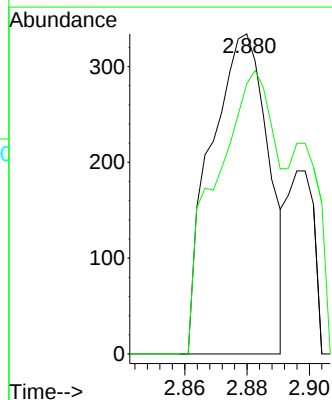
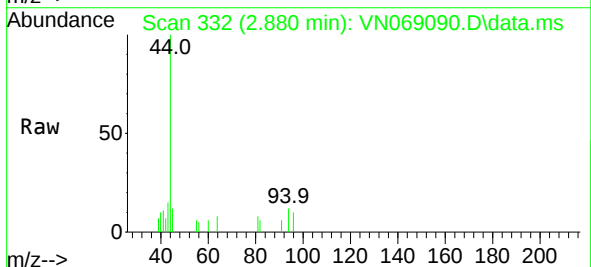
Instrument :
MSVOA_N
ClientSampled :

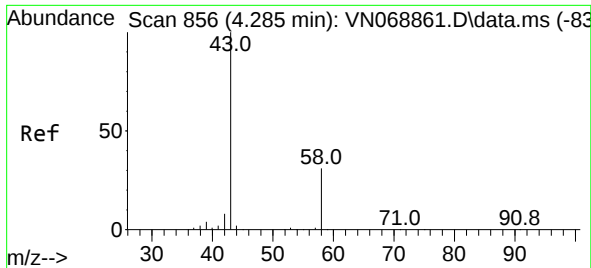
Tgt Ion:168 Resp: 315326
Ion Ratio Lower Upper
168 100
99 62.7 48.9 73.3



#5
Bromomethane
Concen: 0.200 ug/l
RT: 2.880 min Scan# 332
Delta R.T. 0.043 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

Tgt Ion: 94 Resp: 431
Ion Ratio Lower Upper
94 100
96 84.4 74.2 111.4

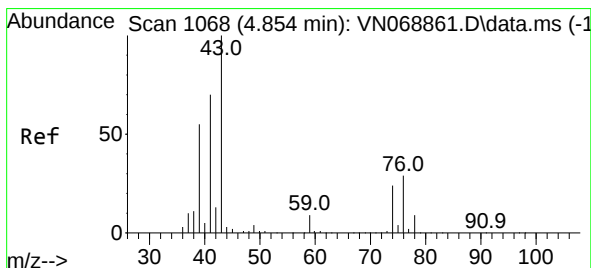
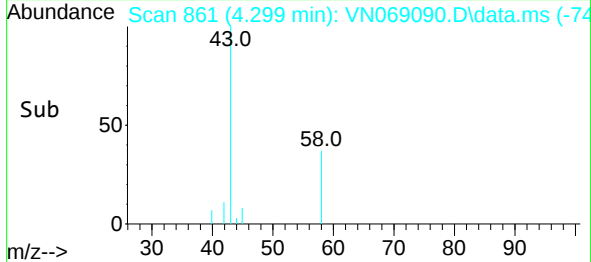
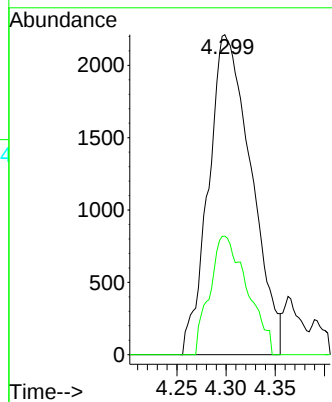
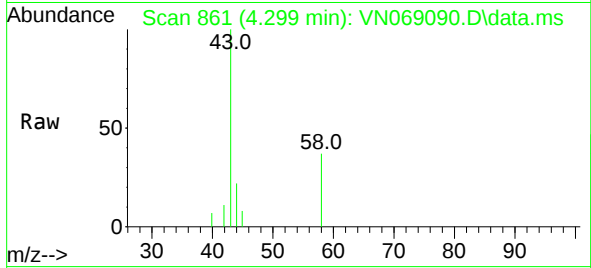




#16
Acetone
Concen: 4.302 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.013 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

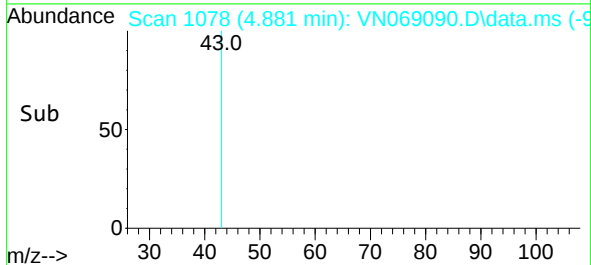
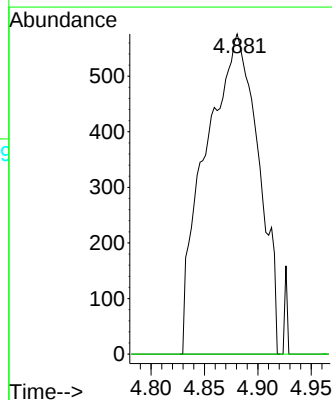
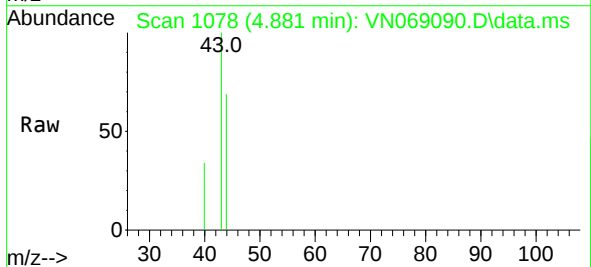
Instrument :
MSVOA_N
ClientSampled :

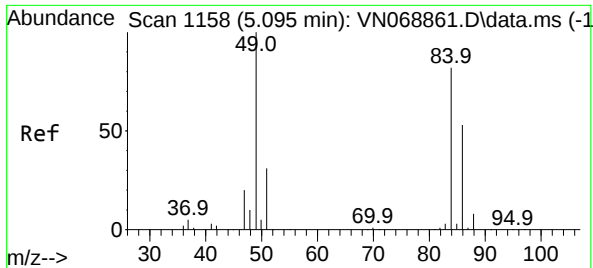
Tgt Ion: 43 Resp: 6675
Ion Ratio Lower Upper
43 100
58 37.1 24.5 36.7#



#18
Methyl Acetate
Concen: 0.336 ug/l
RT: 4.881 min Scan# 1078
Delta R.T. 0.027 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

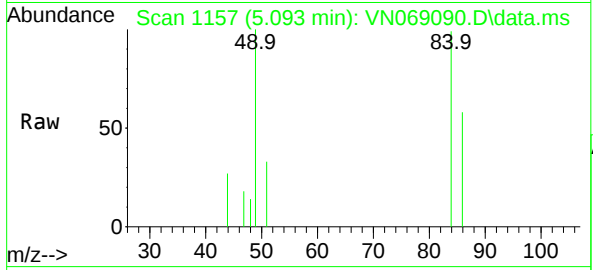
Tgt Ion: 43 Resp: 1978
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#





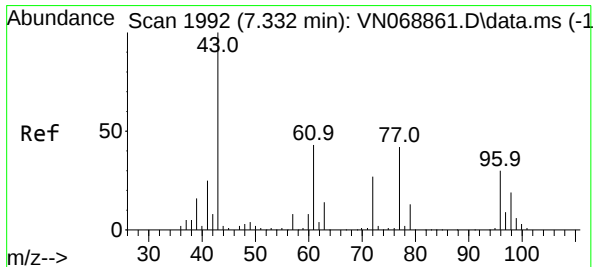
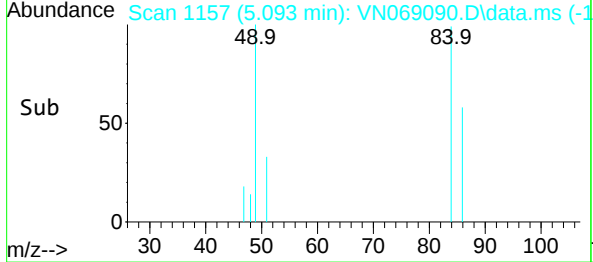
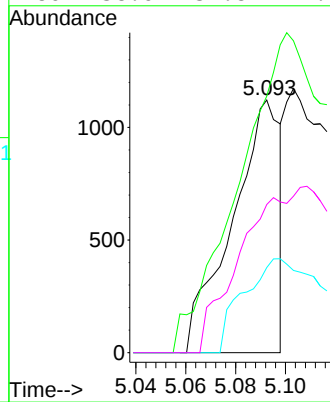
#20
Methylene Chloride
Concen: 0.417 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. -0.003 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1490

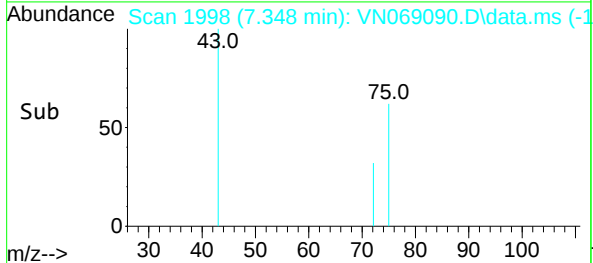
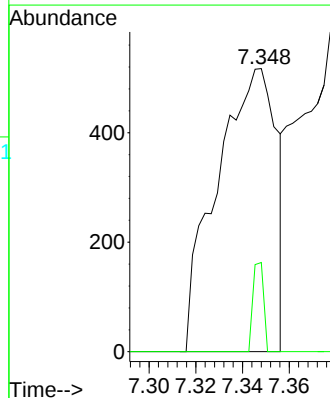
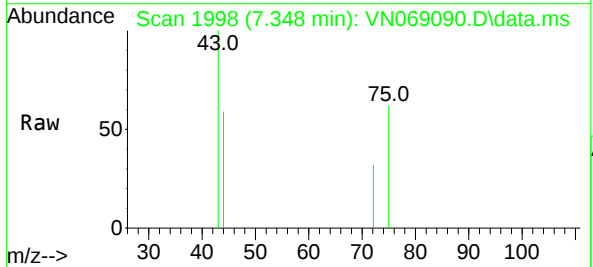
Ion	Ratio	Lower	Upper
84	100		
49	86.2	97.6	146.4#
51	33.7	30.3	45.5
86	58.6	51.8	77.6

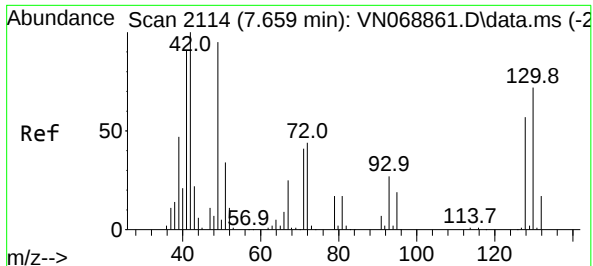


#25
2-Butanone
Concen: 0.390 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

Tgt Ion: 43 Resp: 914

Ion	Ratio	Lower	Upper
43	100		
72	31.5	21.2	31.8





#28

Bromochloromethane

Concen: 4.501 ug/l

RT: 7.825 min Scan# 2176

Delta R.T. 0.166 min

Lab File: VN069090.D

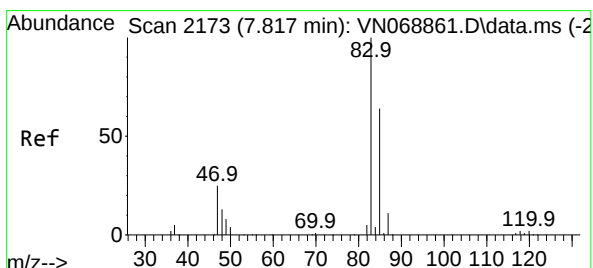
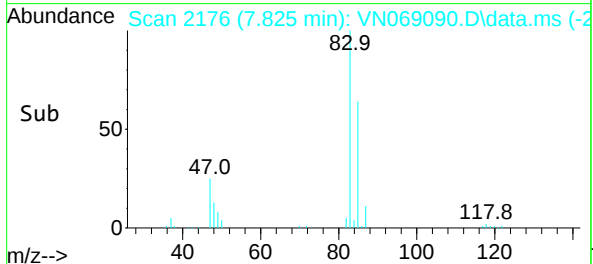
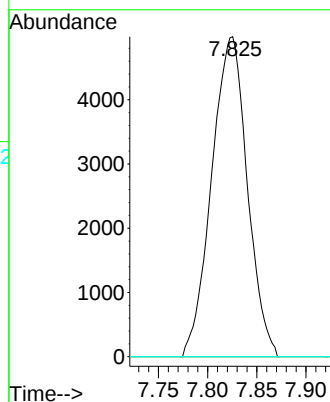
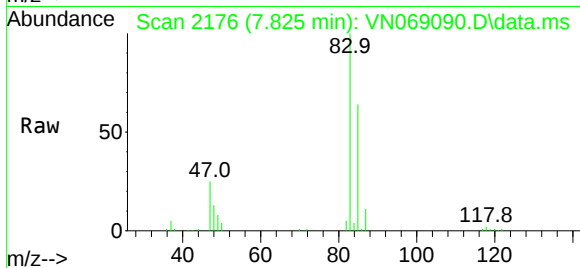
Acq: 21 Oct 2021 16:02

Instrument :

MSVOA_N

ClientSampled :

Tgt Ion: 49 Resp: 12580
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.4
 130 0.0 60.8 91.2#



#30

Chloroform

Concen: 23.754 ug/l

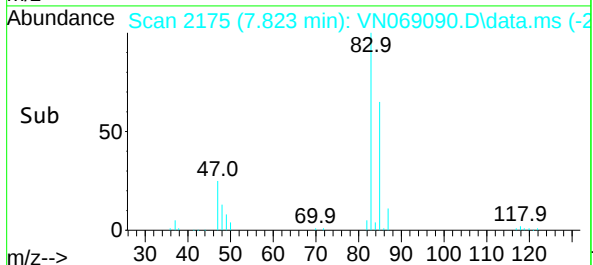
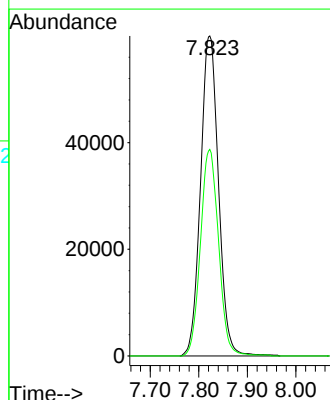
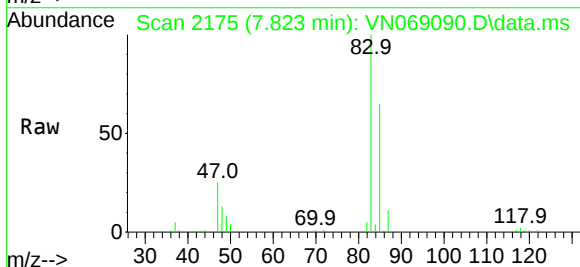
RT: 7.823 min Scan# 2175

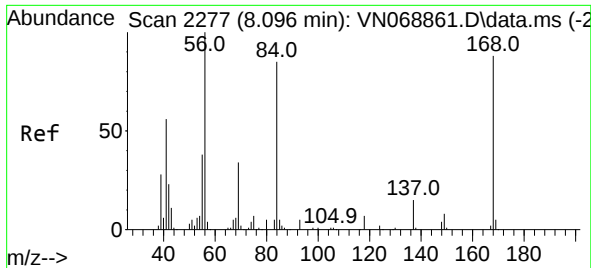
Delta R.T. 0.005 min

Lab File: VN069090.D

Acq: 21 Oct 2021 16:02

Tgt Ion: 83 Resp: 154495
 Ion Ratio Lower Upper
 83 100
 85 64.6 51.1 76.7

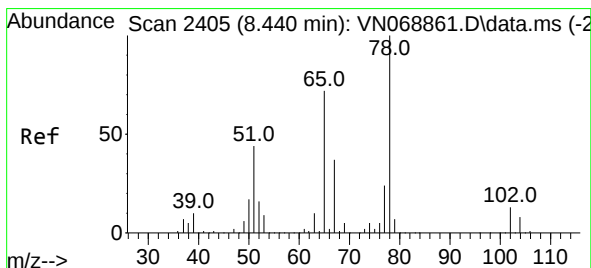
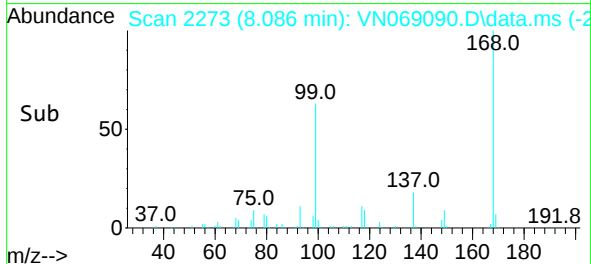
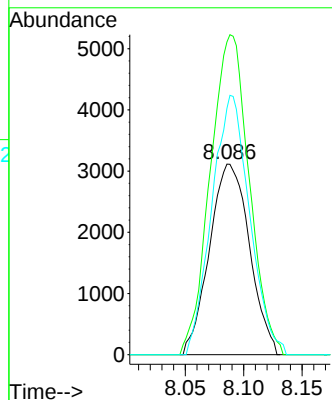
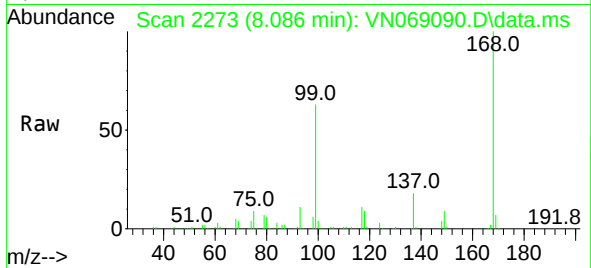




#31
Cyclohexane
Concen: 1.146 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

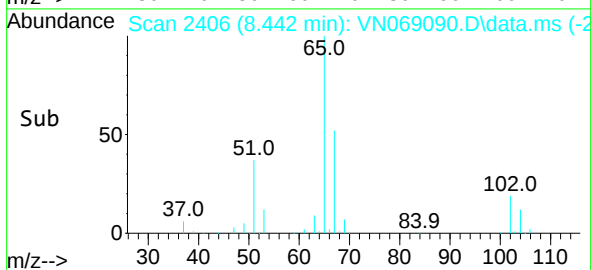
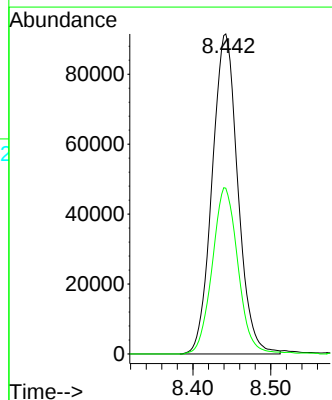
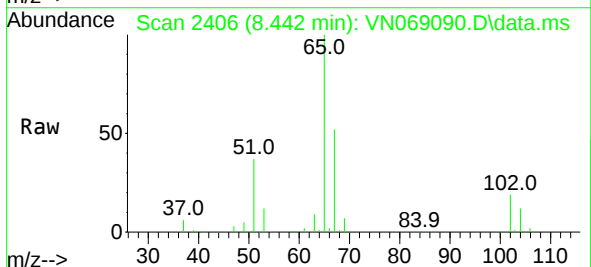
Instrument :
MSVOA_N
ClientSampled :

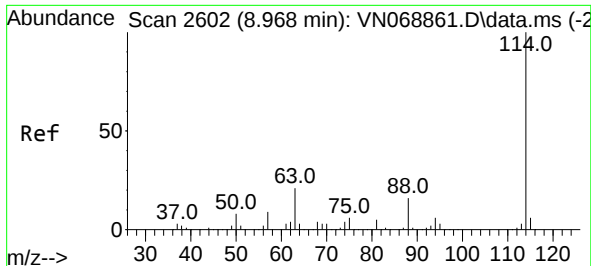
Tgt Ion: 56 Resp: 7410
Ion Ratio Lower Upper
56 100
69 164.1 26.9 40.3#
84 129.2 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 50.434 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

Tgt Ion: 65 Resp: 209678
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.8

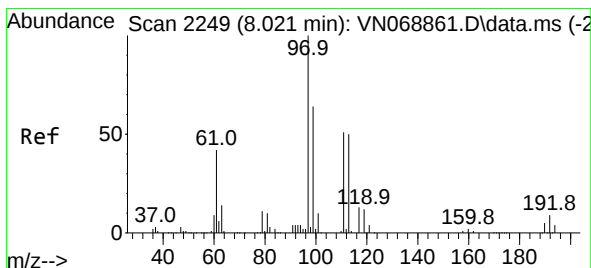
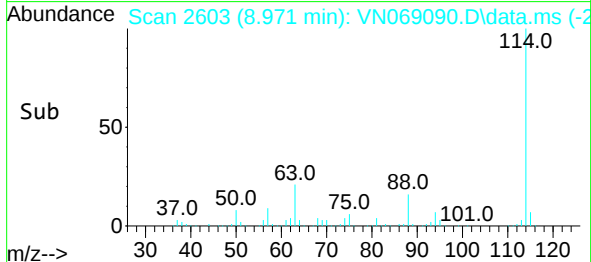
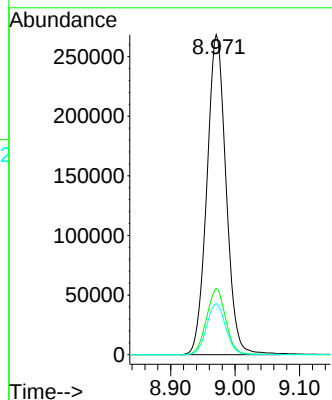
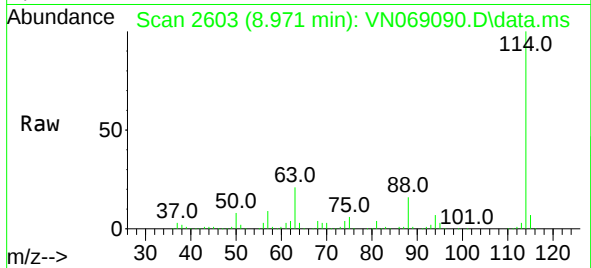




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

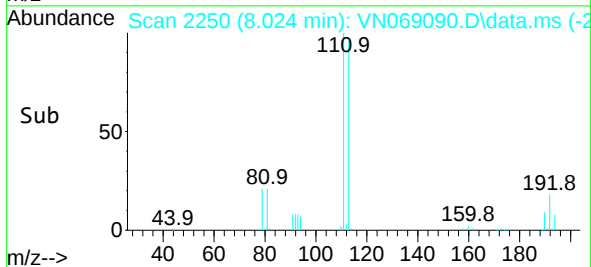
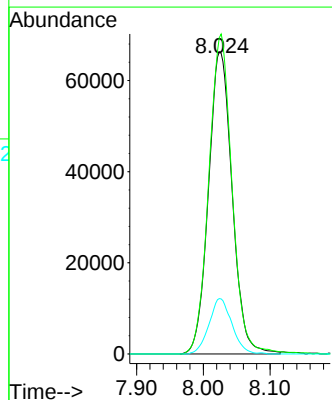
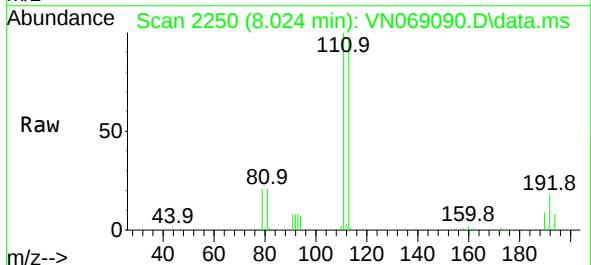
Instrument :
MSVOA_N
ClientSampled :

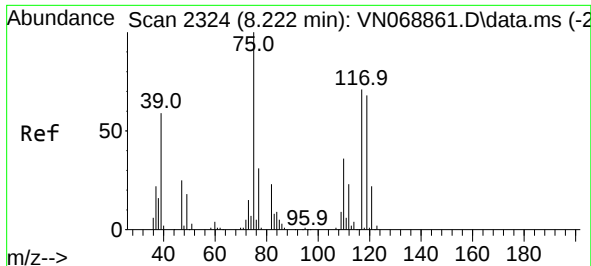
Tgt Ion:114 Resp: 555452
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 16.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.620 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

Tgt Ion:113 Resp: 163587
Ion Ratio Lower Upper
113 100
111 103.9 83.2 124.8
192 17.7 15.0 22.4

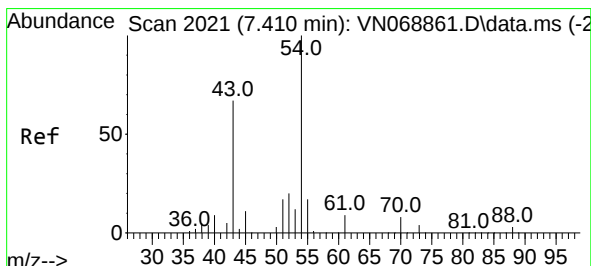
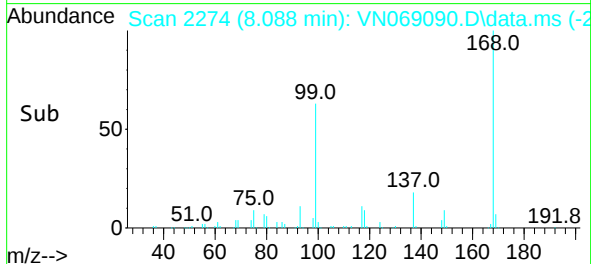
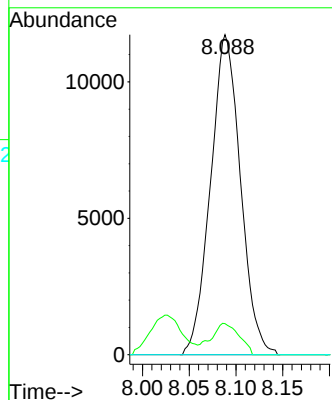
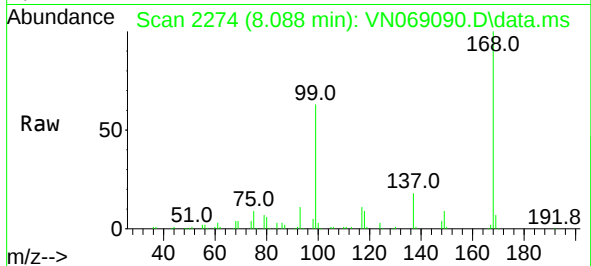




#36
1,1-Dichloropropene
Concen: 5.506 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

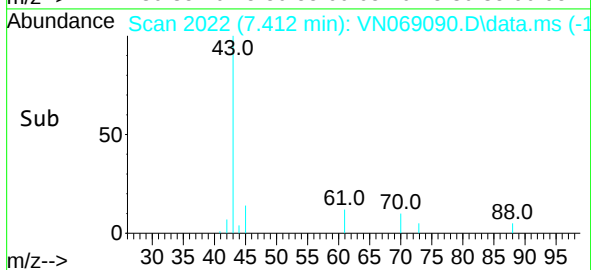
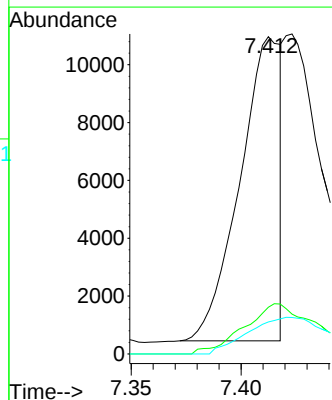
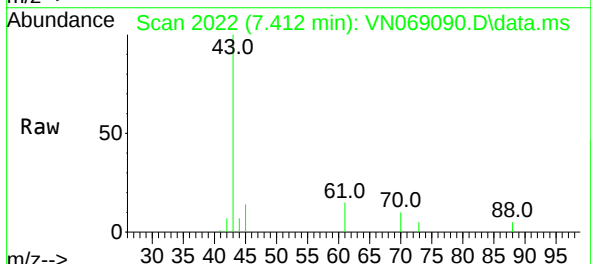
Instrument :
MSVOA_N
ClientSampled :

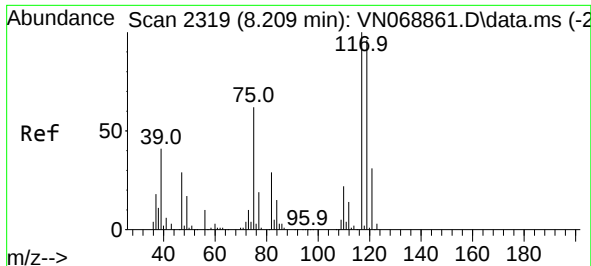
Tgt Ion: 75 Resp: 26122
Ion Ratio Lower Upper
75 100
110 9.2 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 2.764 ug/l
RT: 7.412 min Scan# 2022
Delta R.T. 0.003 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

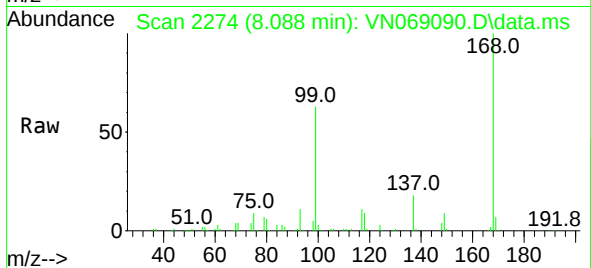
Tgt Ion: 43 Resp: 13543
Ion Ratio Lower Upper
43 100
61 31.1 11.2 16.8#
70 24.0 8.4 12.6#



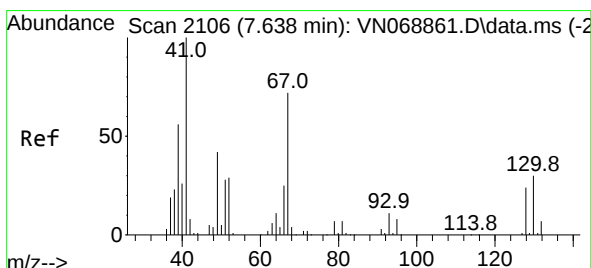
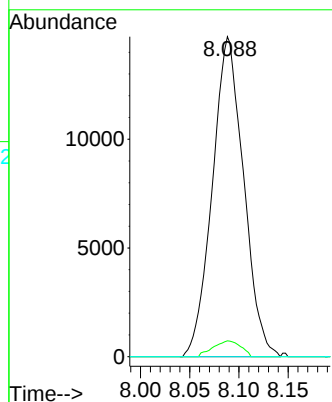
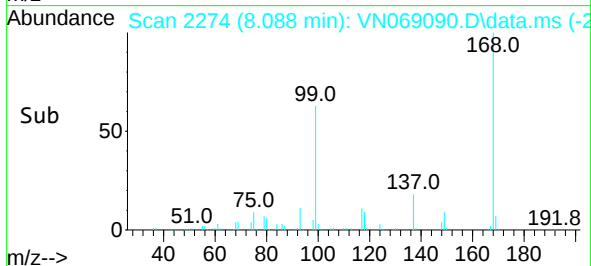


#38
Carbon Tetrachloride
Concen: 6.249 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

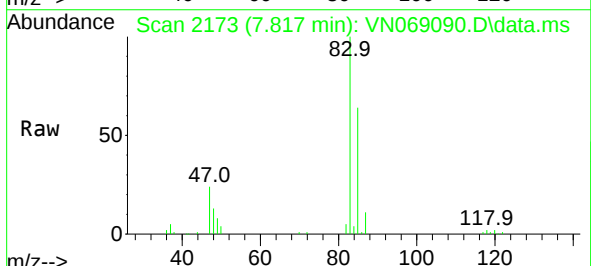
Instrument :
MSVOA_N
ClientSampled :



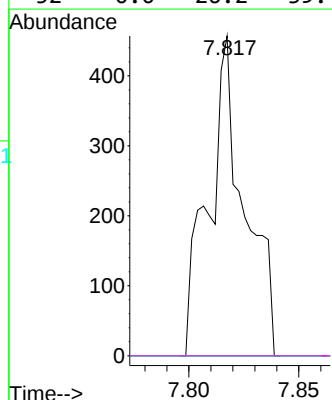
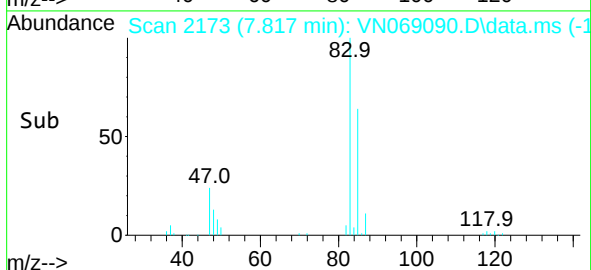
Tgt Ion: 117 Resp: 32560
Ion Ratio Lower Upper
117 100
119 4.9 76.9 115.3#
121 0.0 24.6 37.0#

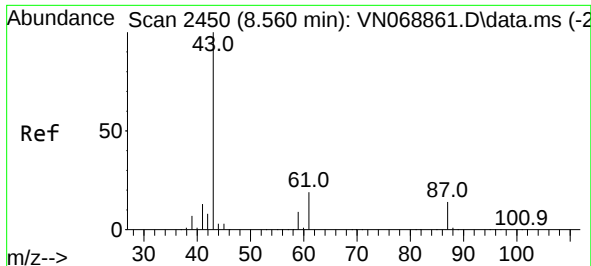


#41
Methacrylonitrile
Concen: 0.209 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. 0.180 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02



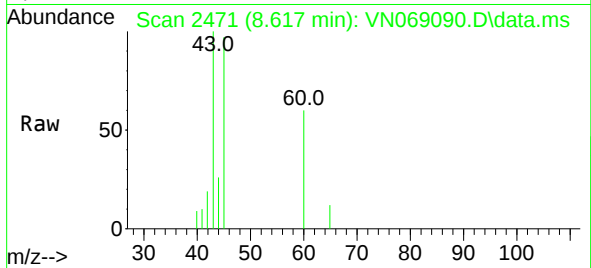
Tgt Ion: 41 Resp: 516
Ion Ratio Lower Upper
41 100
39 0.0 44.9 67.3#
67 0.0 62.6 93.8#
52 0.0 26.2 39.4#



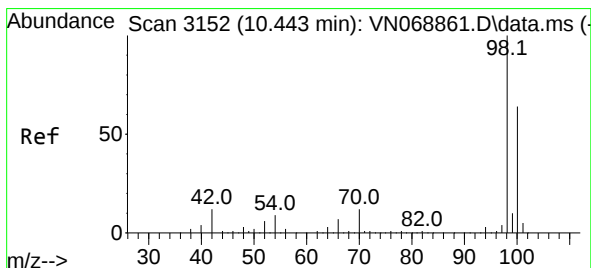
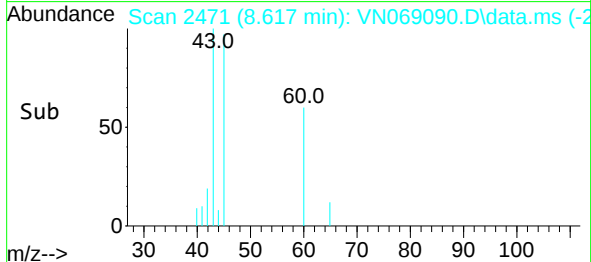
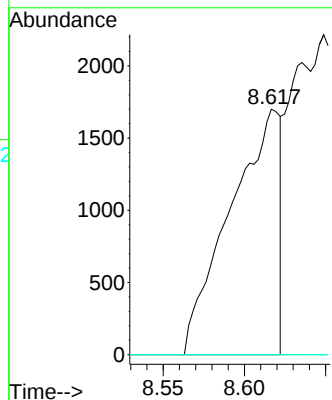


#43
Isopropyl Acetate
Concen: 0.421 ug/l
RT: 8.617 min Scan# 2471
Delta R.T. 0.056 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

Instrument :
MSVOA_N
ClientSampled :

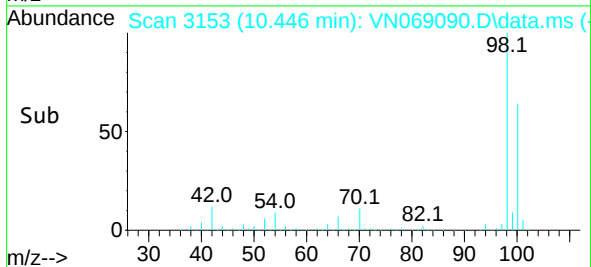
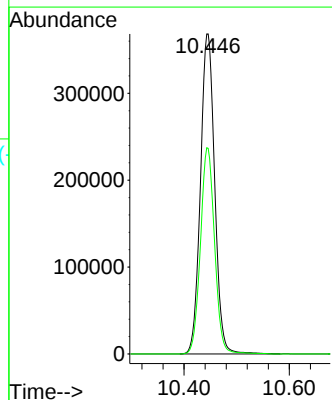
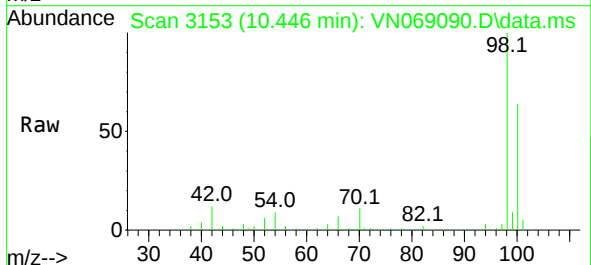


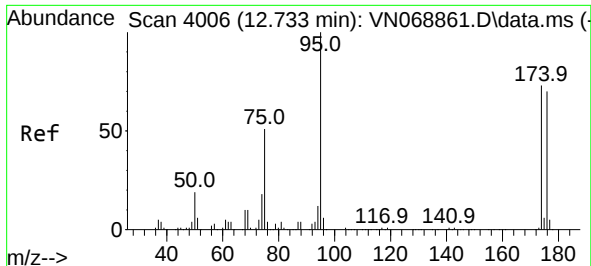
Tgt Ion: 43 Resp: 3644
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 53.459 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

Tgt Ion: 98 Resp: 691246
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3

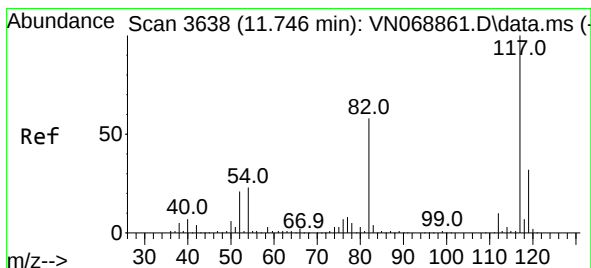
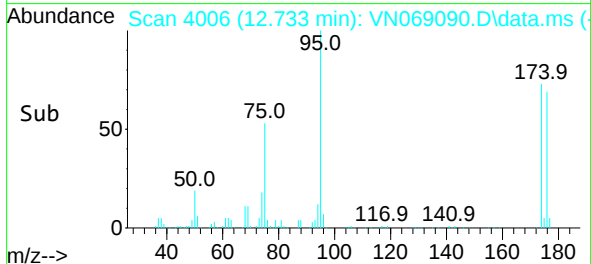
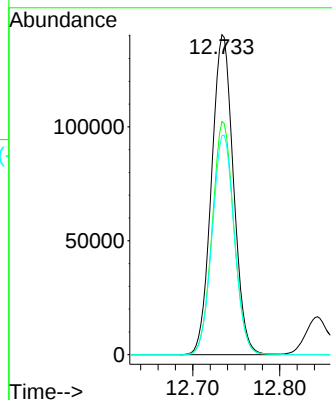
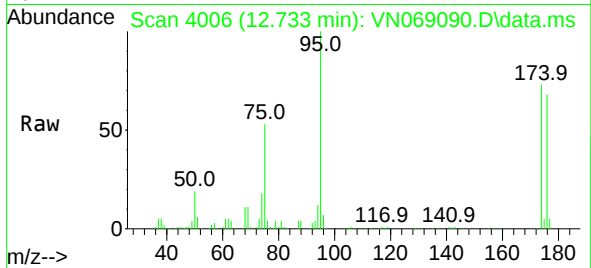




#62
4-Bromofluorobenzene
Concen: 50.473 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

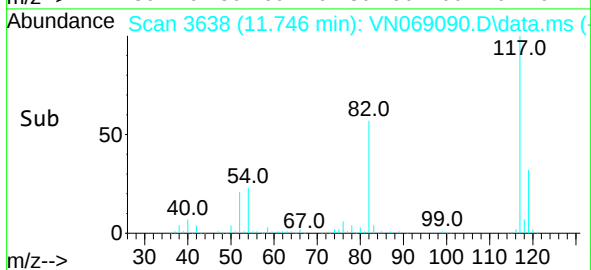
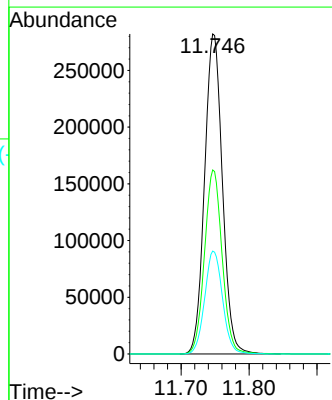
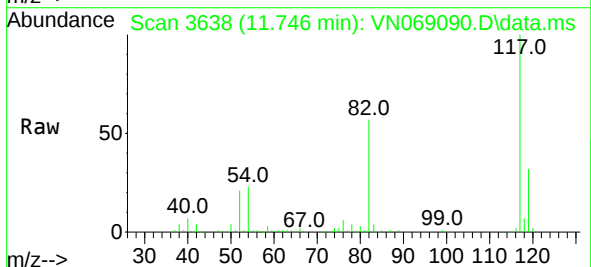
Instrument :
MSVOA_N
ClientSampled :

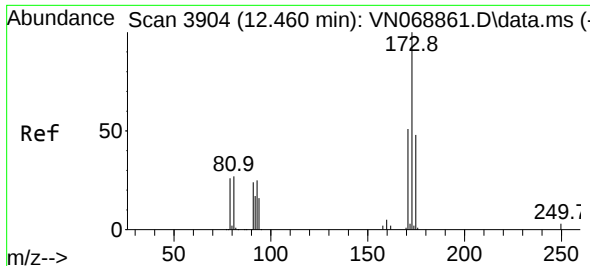
Tgt Ion: 95 Resp: 246235
Ion Ratio Lower Upper
95 100
174 72.2 0.0 144.8
176 69.3 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

Tgt Ion: 117 Resp: 514232
Ion Ratio Lower Upper
117 100
82 57.5 46.4 69.6
119 32.2 26.0 39.0

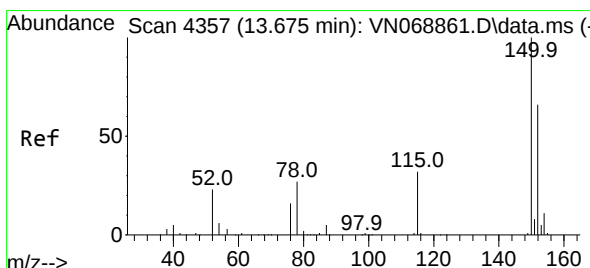
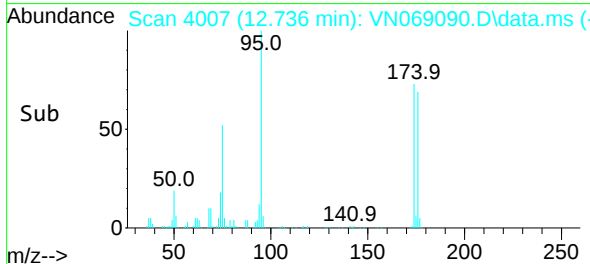
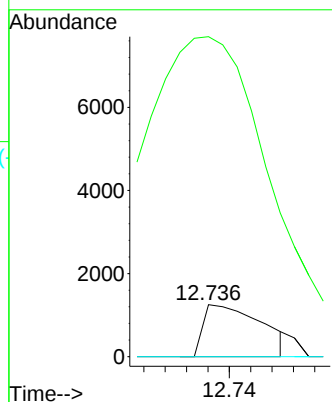
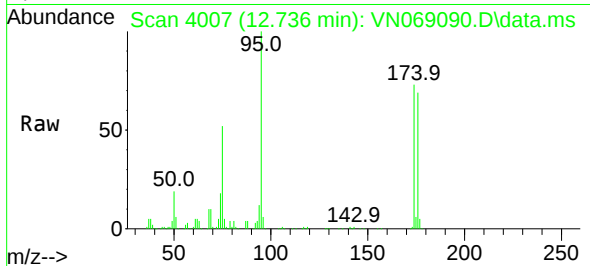




#71
Bromoform
Concen: 0.309 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

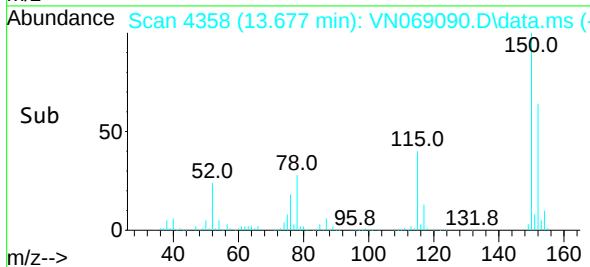
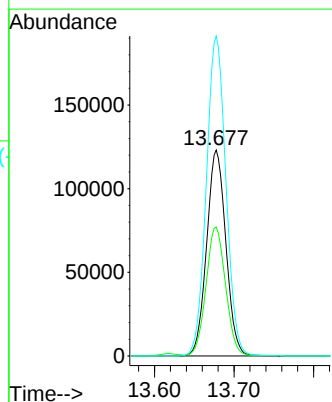
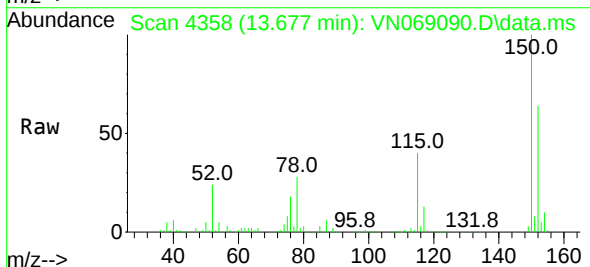
Instrument :
MSVOA_N
ClientSampled :

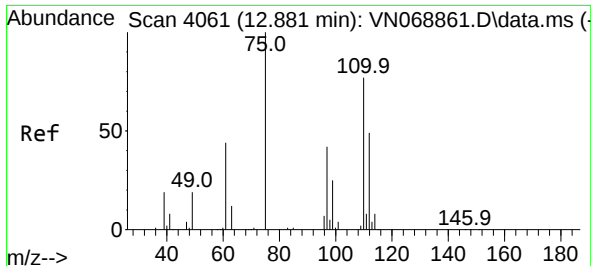
Tgt Ion:173 Resp: 944
Ion Ratio Lower Upper
173 100
175 1337.7 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

Tgt Ion:152 Resp: 207260
Ion Ratio Lower Upper
152 100
115 63.1 31.4 94.3
150 157.7 0.0 351.0

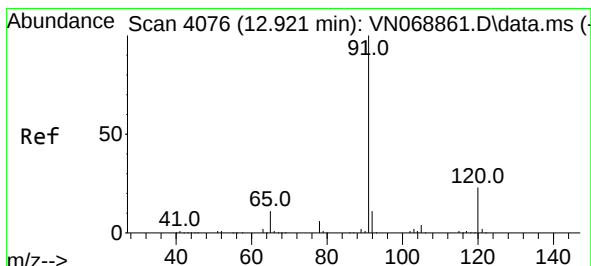
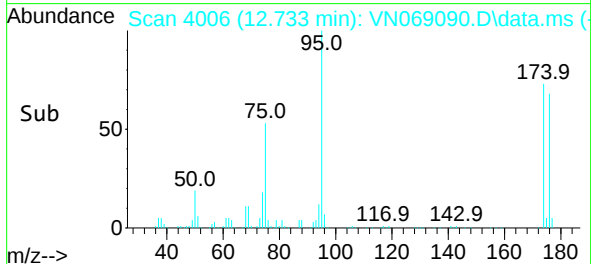
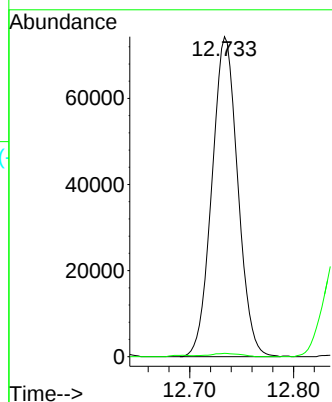
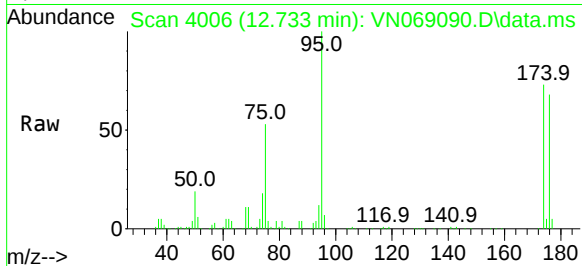




#76
1,2,3-Trichloropropane
Concen: 29.163 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

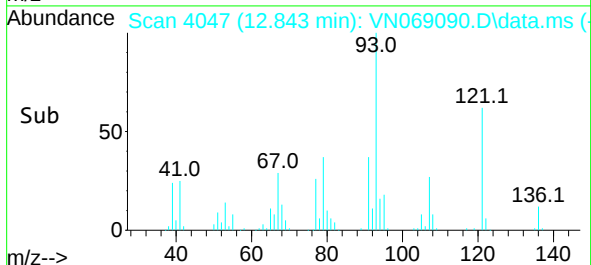
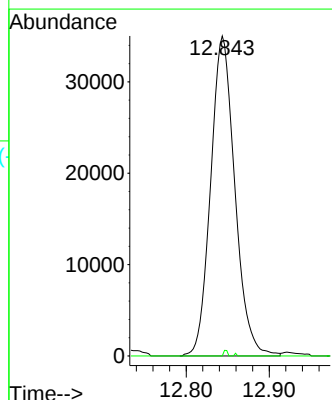
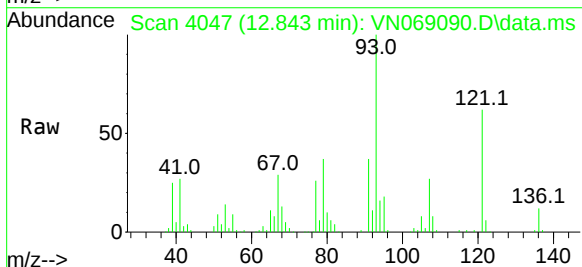
Instrument :
MSVOA_N
ClientSampled :

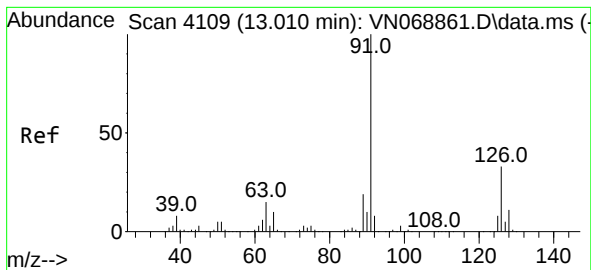
Tgt Ion: 75 Resp: 128605
Ion Ratio Lower Upper
75 100
77 1.3 96.2 288.4#



#78
n-propylbenzene
Concen: 3.655 ug/l
RT: 12.843 min Scan# 4047
Delta R.T. -0.078 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

Tgt Ion: 91 Resp: 70868
Ion Ratio Lower Upper
91 100
120 0.3 11.4 34.1#

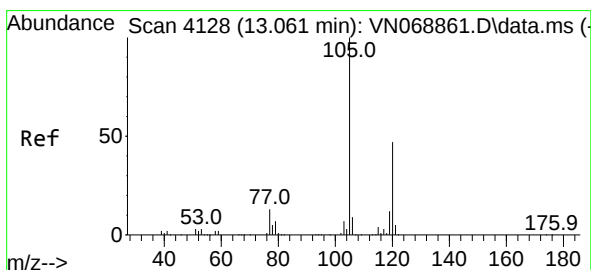
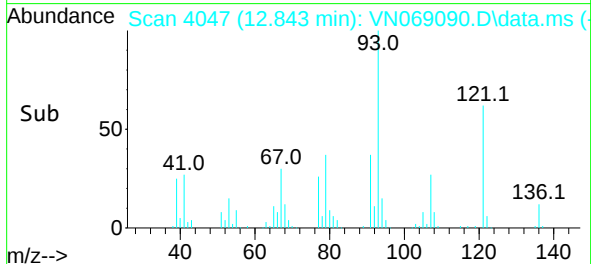
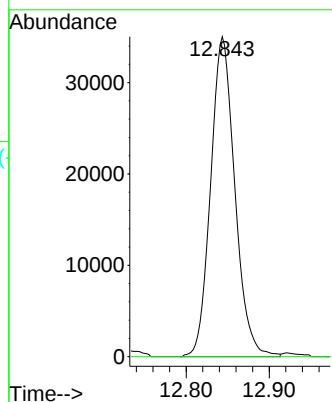
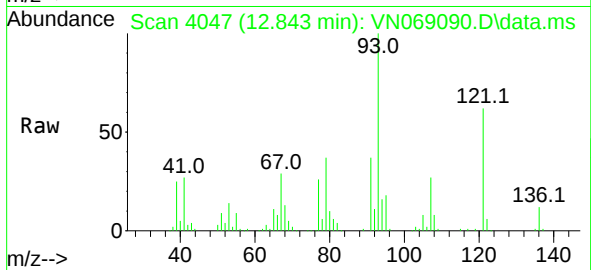




#79
2-Chlorotoluene
Concen: 5.931 ug/l
RT: 12.843 min Scan# 4047
Delta R.T. -0.166 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

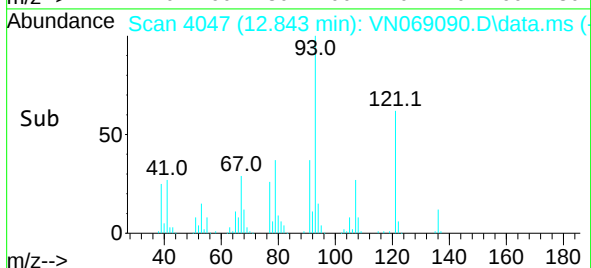
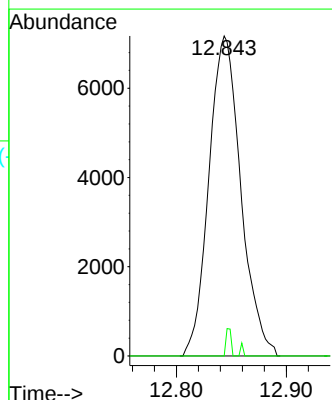
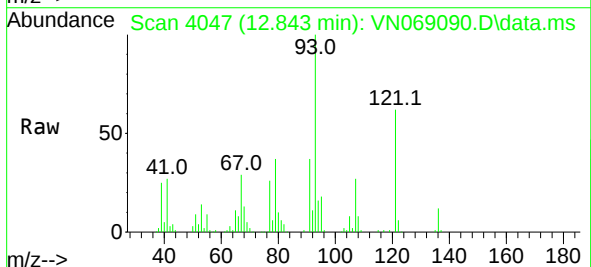
Instrument :
MSVOA_N
ClientSampled :

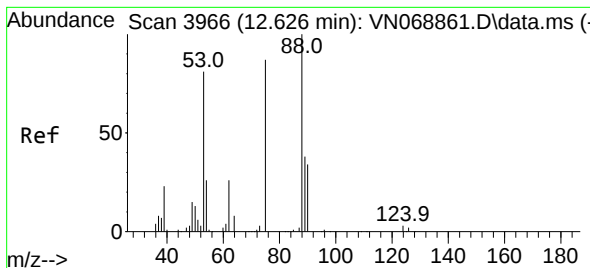
Tgt Ion: 91 Resp: 70868
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.4#



#80
1,3,5-Trimethylbenzene
Concen: 1.008 ug/l
RT: 12.843 min Scan# 4047
Delta R.T. -0.217 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

Tgt Ion: 105 Resp: 14488
Ion Ratio Lower Upper
105 100
120 1.4 23.4 70.2#

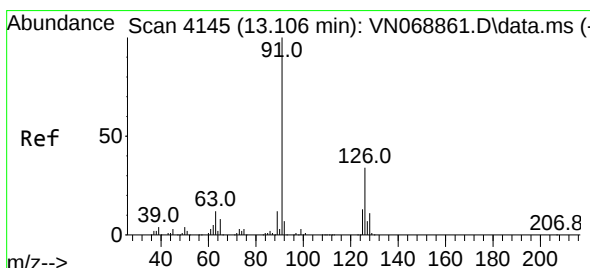
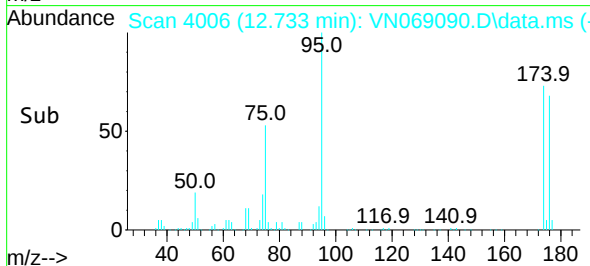
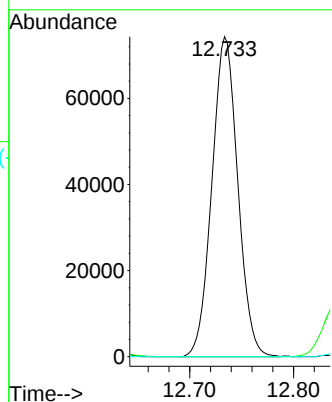
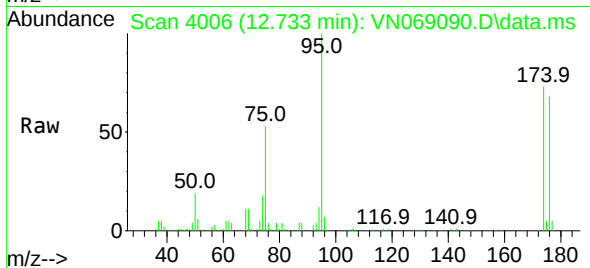




#81
trans-1,4-Dichloro-2-butene
Concen: 69.770 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

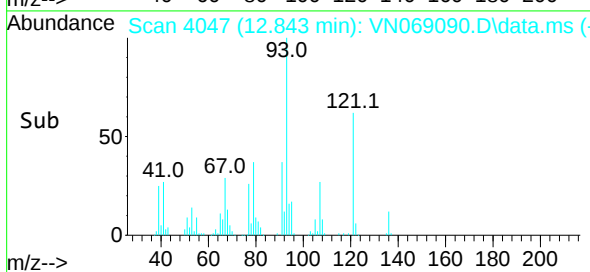
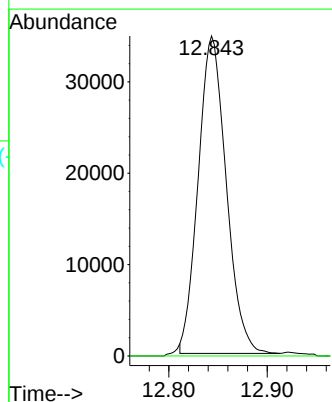
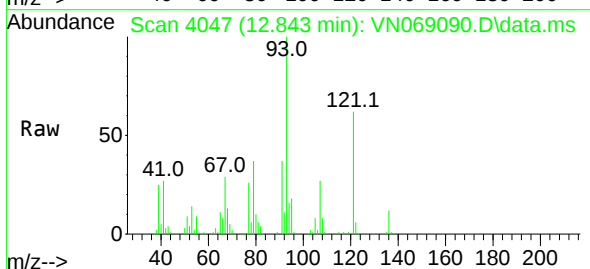
Instrument :
MSVOA_N
ClientSampled :

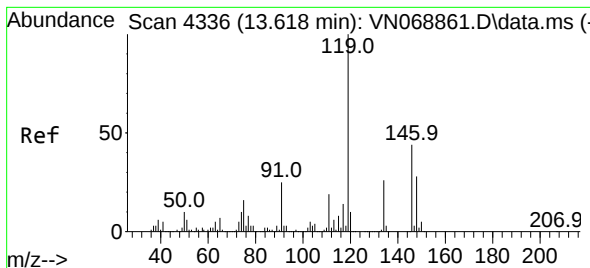
Tgt Ion: 75 Resp: 128605
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 5.945 ug/l
RT: 12.843 min Scan# 4047
Delta R.T. -0.263 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

Tgt Ion: 91 Resp: 68650
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.8#

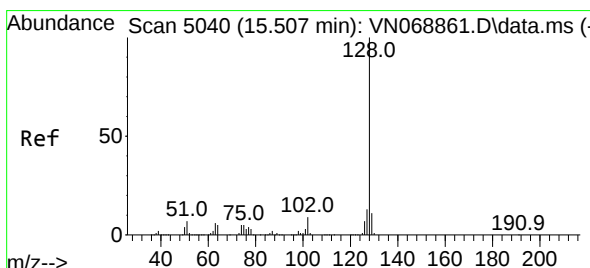
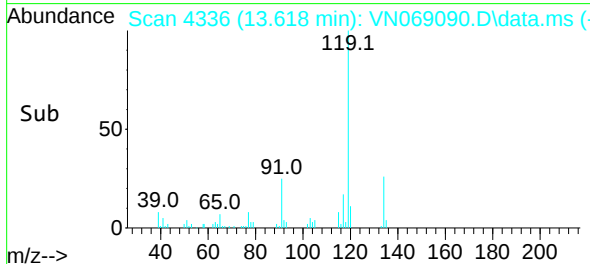
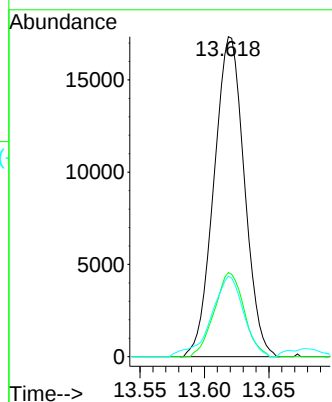
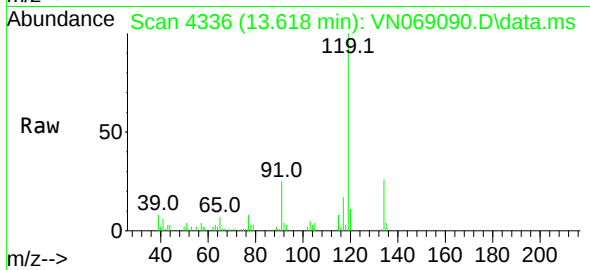




#86
p-Isopropyltoluene
Concen: 2.046 ug/l
RT: 13.618 min Scan# 4336
Delta R.T. -0.000 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

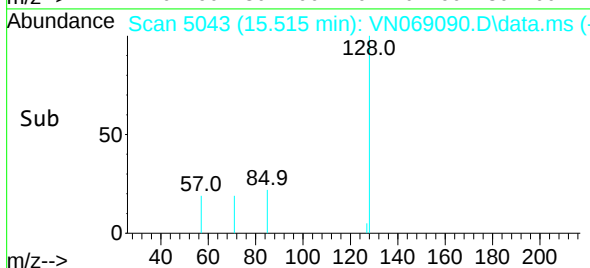
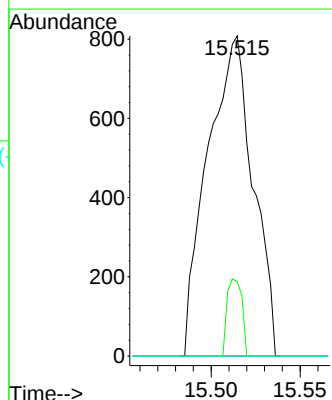
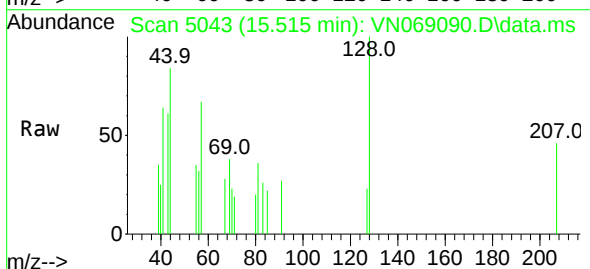
Instrument :
MSVOA_N
ClientSampled :

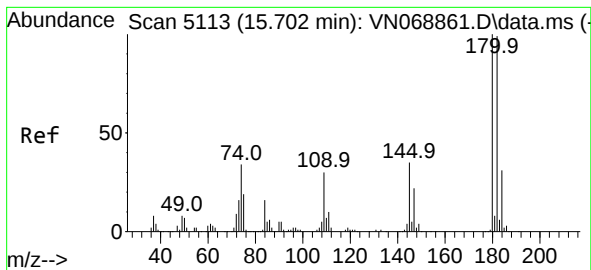
Tgt Ion:119 Resp: 28434
Ion Ratio Lower Upper
119 100
134 25.6 12.9 38.6
91 26.6 12.8 38.4



#95
Naphthalene
Concen: 3.949 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN069090.D
Acq: 21 Oct 2021 16:02

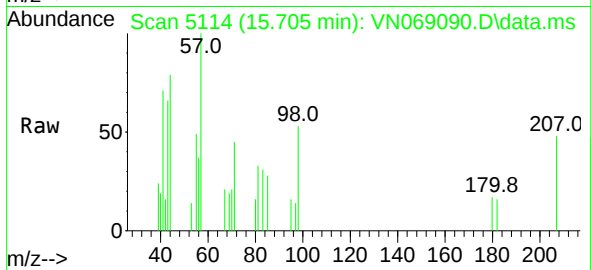
Tgt Ion:128 Resp: 1433
Ion Ratio Lower Upper
128 100
127 7.9 10.5 15.7#
129 0.0 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.538 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN069090.D
 Acq: 21 Oct 2021 16:02

Instrument :
 MSVOA_N
 ClientSampled :



Tgt Ion:180 Resp: 85
 Ion Ratio Lower Upper
 180 100
 182 67.1 48.1 144.3
 145 0.0 17.4 52.2#

