

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102721\
 Data File : VN069184.D
 Acq On : 26 Oct 2021 14:39
 Operator : JC/MD
 Sample : M4337-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

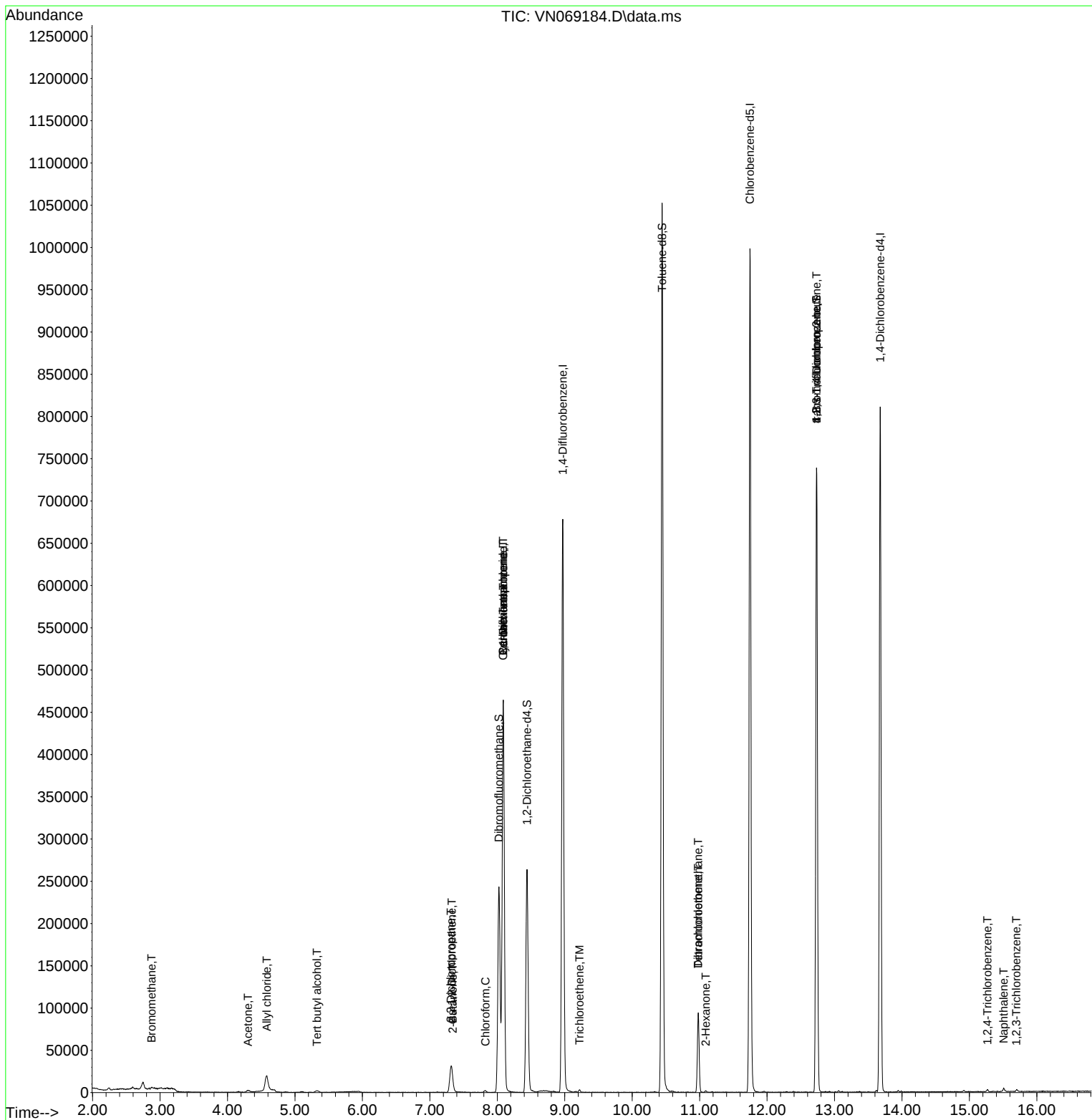
Instrument :
 MSVOA_N
 ClientSampleId :

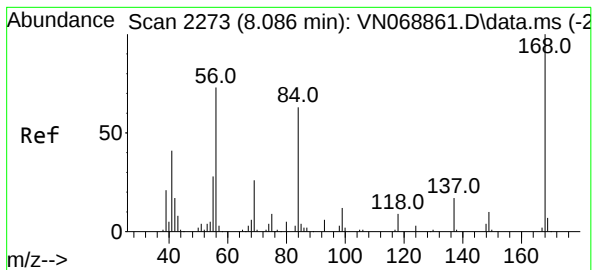
Quant Time: Oct 27 06:55:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	348143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	604634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	582576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	218907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	227995	49.671	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.340%
35) Dibromofluoromethane	8.024	113	178515	50.746	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.500%
50) Toluene-d8	10.443	98	750511	53.321	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.640%
62) 4-Bromofluorobenzene	12.733	95	271690	51.161	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.320%
Target Compounds						
					Qvalue	
5) Bromomethane	2.875	94	763	0.321	ug/l	90
11) Tert butyl alcohol	5.329	59	1760	2.098	ug/l #	72
14) Allyl chloride	4.583	41	1925	0.319	ug/l #	41
16) Acetone	4.304	43	4376	2.555	ug/l	89
25) 2-Butanone	7.340	43	628	0.242	ug/l #	48
26) 2,2-Dichloropropane	7.311	77	1771	0.273	ug/l #	53
27) cis-1,2-Dichloroethene	7.327	96	3471	0.790	ug/l	15
30) Chloroform	7.823	83	2659	0.370	ug/l	85
31) Cyclohexane	8.086	56	8092	1.134	ug/l #	14
36) 1,1-Dichloropropene	8.088	75	28246	5.469	ug/l #	50
38) Carbon Tetrachloride	8.088	117	36027	6.352	ug/l #	16
44) Trichloroethene	9.220	130	1119	0.284	ug/l	97
59) 2-Hexanone	11.092	43	1809	0.462	ug/l	79
60) Dibromochloromethane	10.979	129	21118	4.690	ug/l #	10
64) Tetrachloroethene	10.979	164	21369	5.694	ug/l	96
76) 1,2,3-Trichloropropane	12.733	75	143186	30.742	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	143186	73.548	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.268	180	1127	2.892	ug/l	90
95) Naphthalene	15.507	128	5026	4.269	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.694	180	524	2.656	ug/l #	22

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

Quant Time: Oct 27 06:55:06 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

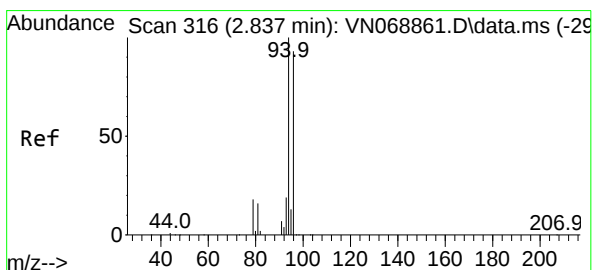
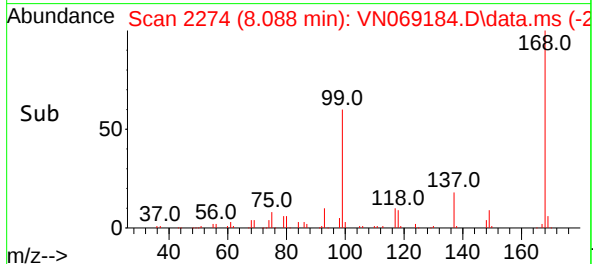
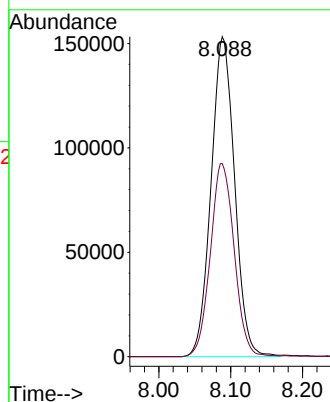
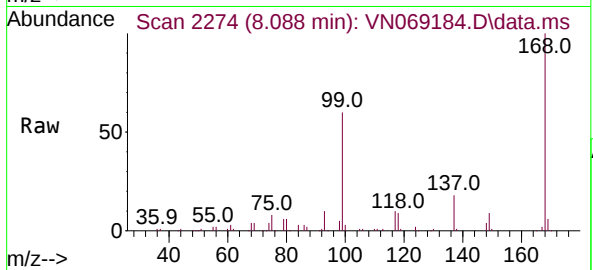




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

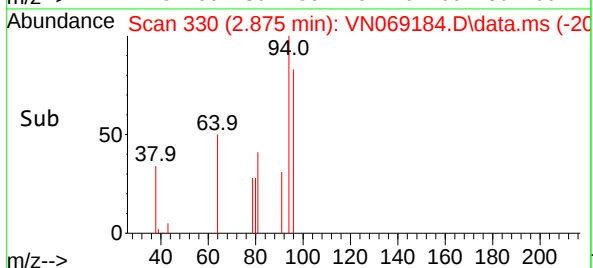
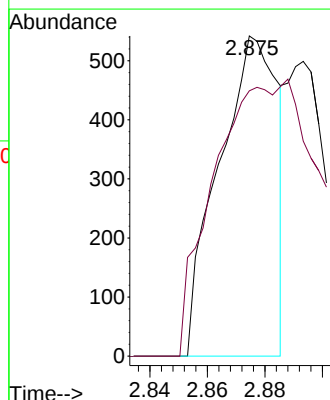
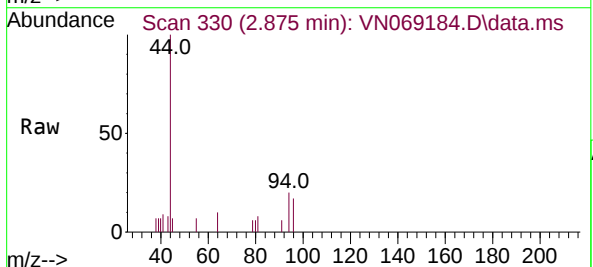
Instrument :
MSVOA_N
ClientSampleId :

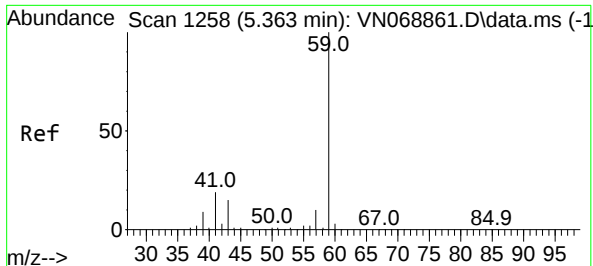
Tgt Ion:168 Resp: 348143
Ion Ratio Lower Upper
168 100
99 60.4 48.9 73.3



#5
Bromomethane
Concen: 0.321 ug/l
RT: 2.875 min Scan# 330
Delta R.T. 0.038 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

Tgt Ion: 94 Resp: 763
Ion Ratio Lower Upper
94 100
96 82.8 74.2 111.4



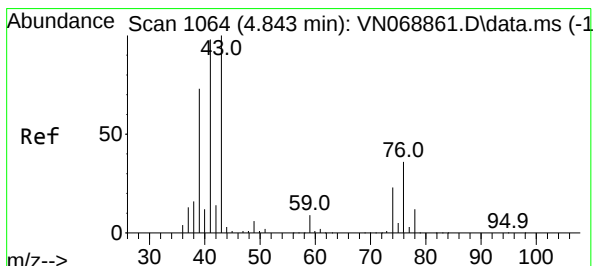
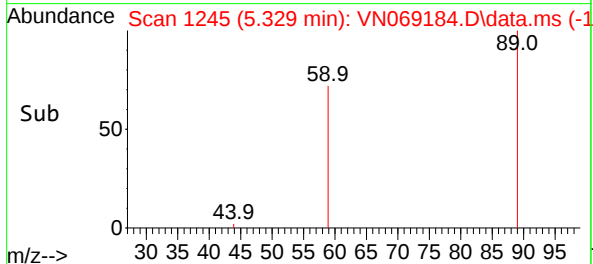
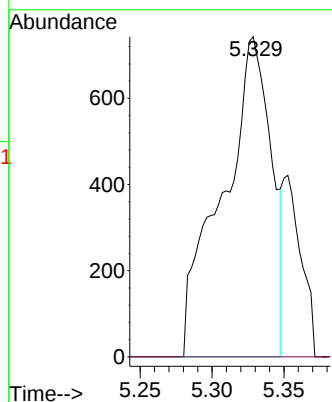
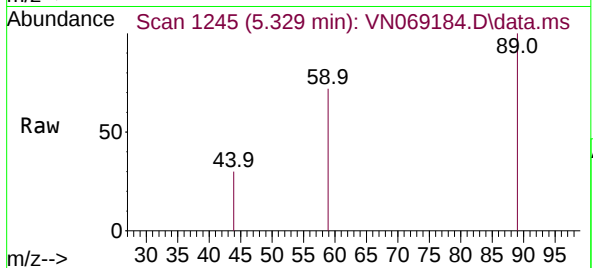


#11

Tert butyl alcohol
Concen: 2.098 ug/l
RT: 5.329 min Scan# 1245
Delta R.T. -0.035 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

Instrument :
MSVOA_N
ClientSampled :

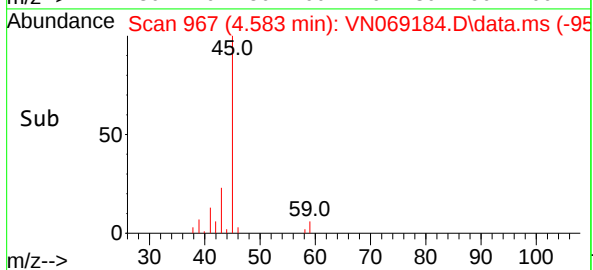
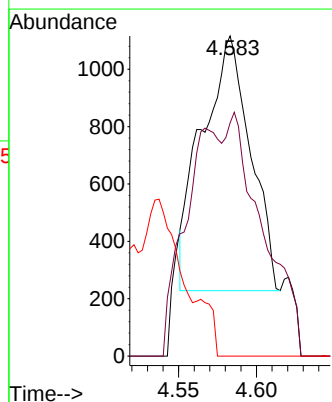
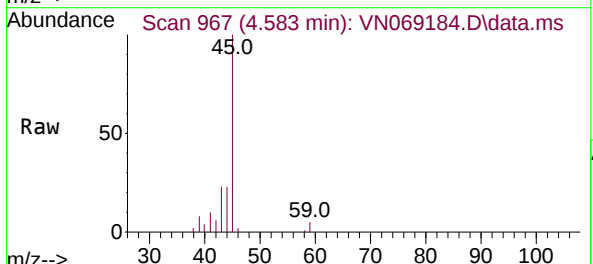
Tgt Ion: 59 Resp: 1760
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

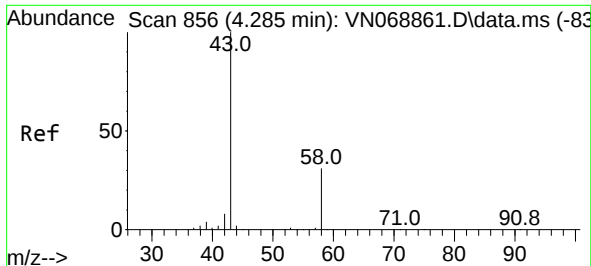


#14

Allyl chloride
Concen: 0.319 ug/l
RT: 4.583 min Scan# 967
Delta R.T. -0.260 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

Tgt Ion: 41 Resp: 1925
Ion Ratio Lower Upper
41 100
39 21.6 55.6 83.4#
76 0.0 26.4 39.6#

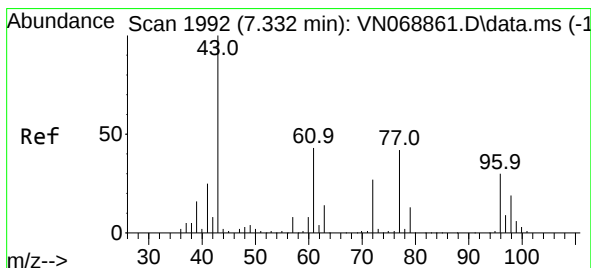
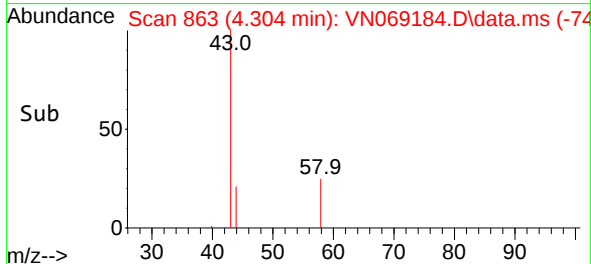
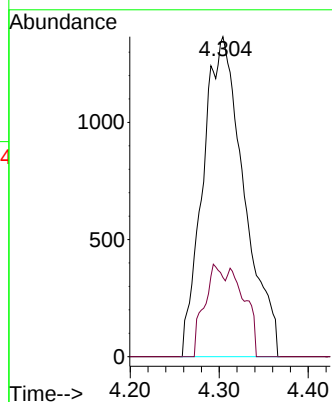
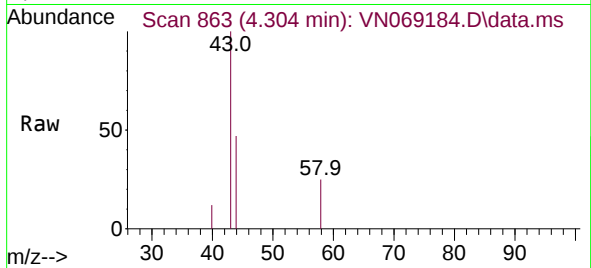




#16
Acetone
Concen: 2.555 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.019 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

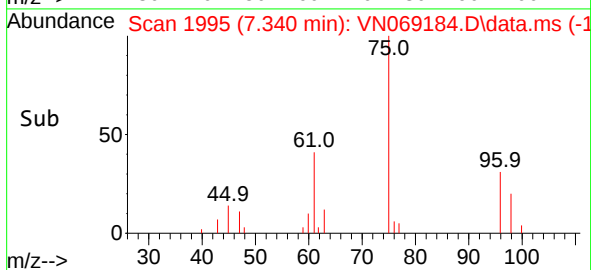
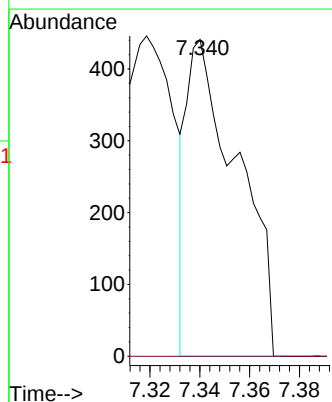
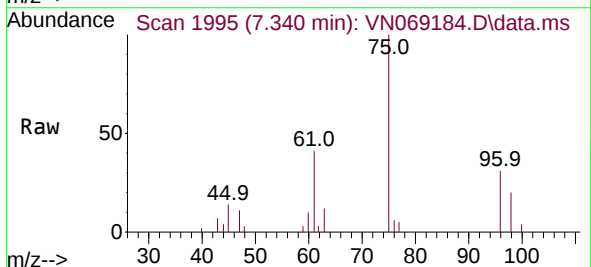
Instrument :
MSVOA_N
ClientSampled :

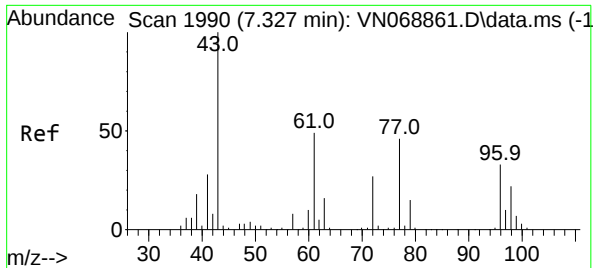
Tgt Ion: 43 Resp: 4376
Ion Ratio Lower Upper
43 100
58 24.7 24.5 36.7



#25
2-Butanone
Concen: 0.242 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.008 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

Tgt Ion: 43 Resp: 628
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#





#26

2,2-Dichloropropane

Concen: 0.273 ug/l

RT: 7.311 min Scan# 1984

Delta R.T. -0.016 min

Lab File: VN069184.D

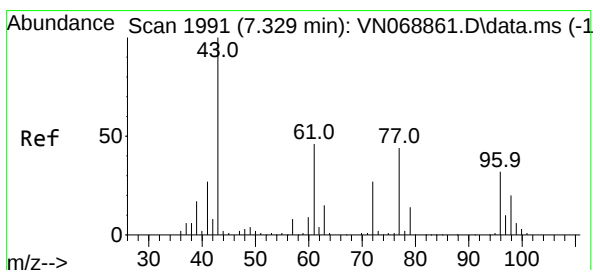
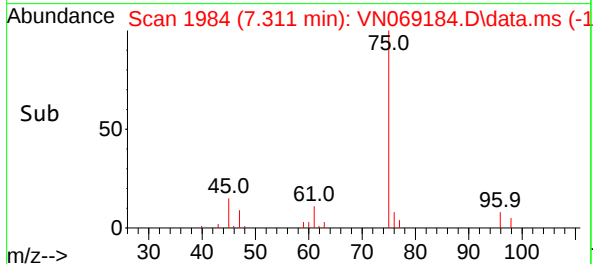
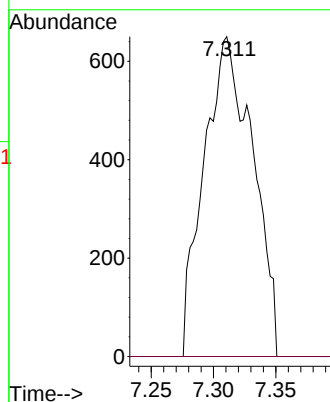
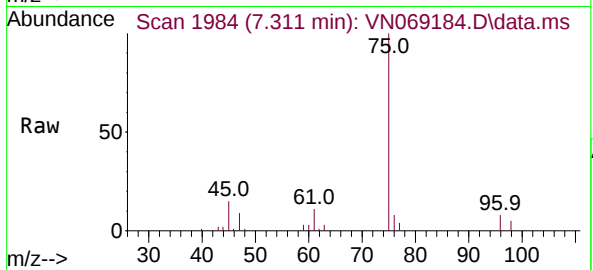
Acq: 26 Oct 2021 14:39

Tgt Ion: 77 Resp: 1771

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.6#



#27

cis-1,2-Dichloroethene

Concen: 0.790 ug/l

RT: 7.327 min Scan# 1990

Delta R.T. -0.003 min

Lab File: VN069184.D

Acq: 26 Oct 2021 14:39

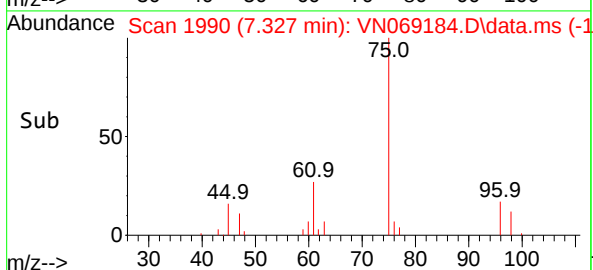
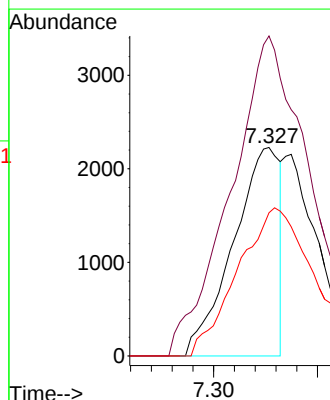
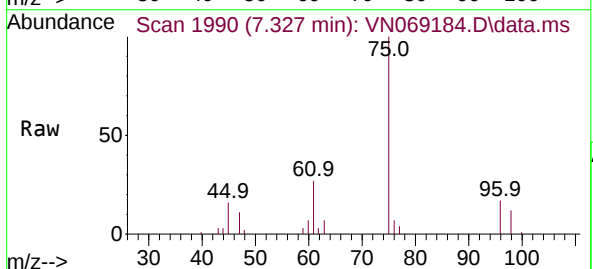
Tgt Ion: 96 Resp: 3471

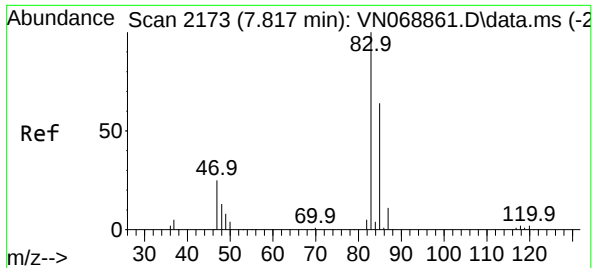
Ion Ratio Lower Upper

96 100

61 260.3 0.0 290.6

98 115.7 0.0 127.2





#30

Chloroform

Concen: 0.370 ug/l

RT: 7.823 min Scan# 2175

Delta R.T. 0.005 min

Lab File: VN069184.D

Acq: 26 Oct 2021 14:39

Tgt Ion: 83 Resp: 2659

Ion Ratio Lower Upper

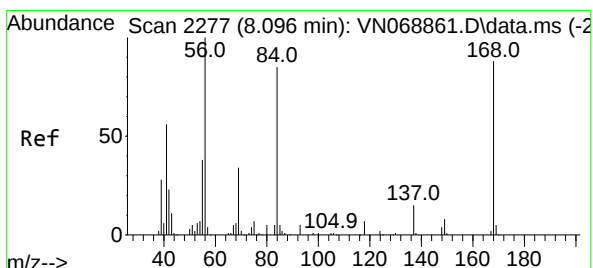
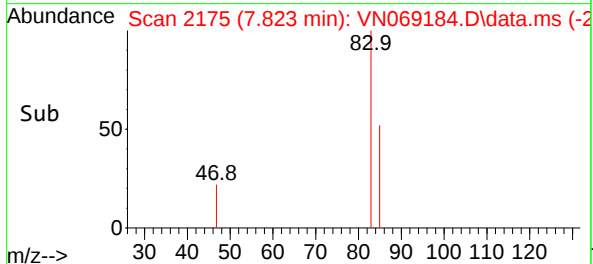
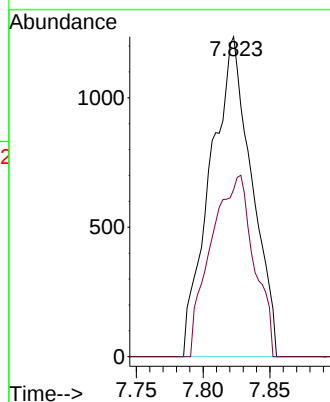
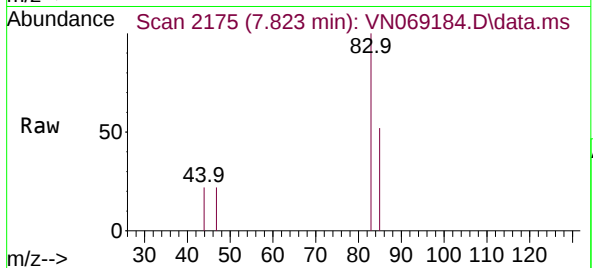
83 100

85 52.3 51.1 76.7

Instrument :

MSVOA_N

ClientSampleId :



#31

Cyclohexane

Concen: 1.134 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.010 min

Lab File: VN069184.D

Acq: 26 Oct 2021 14:39

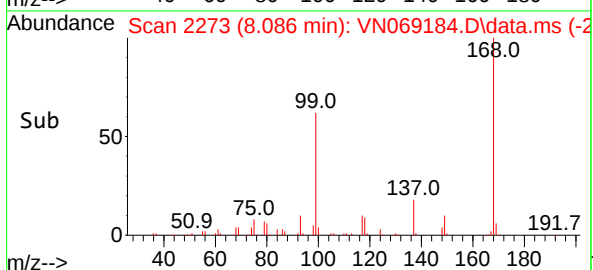
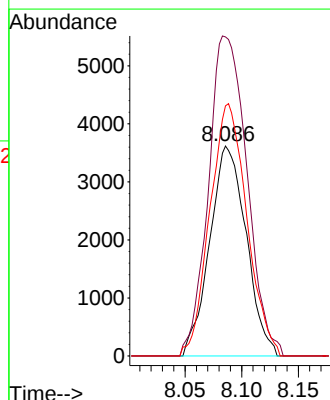
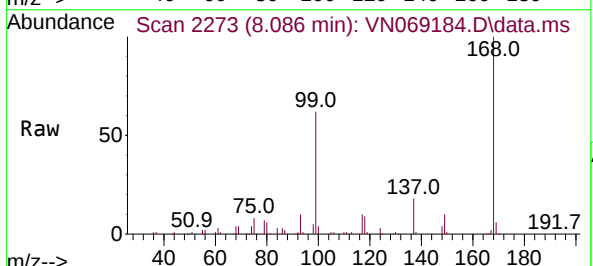
Tgt Ion: 56 Resp: 8092

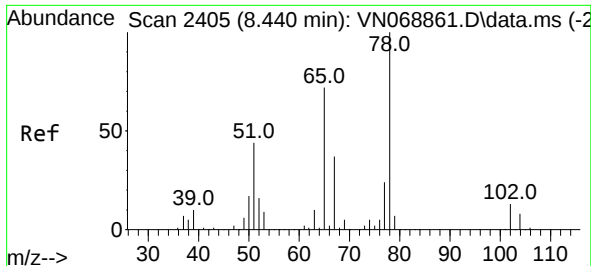
Ion Ratio Lower Upper

56 100

69 151.9 26.9 40.3#

84 119.1 67.6 101.4#



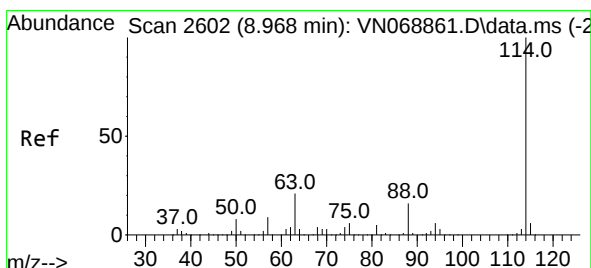
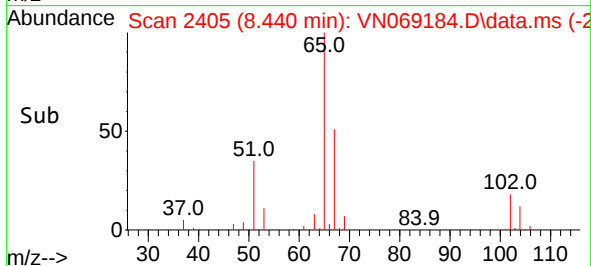
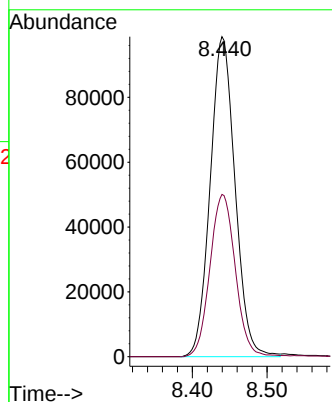
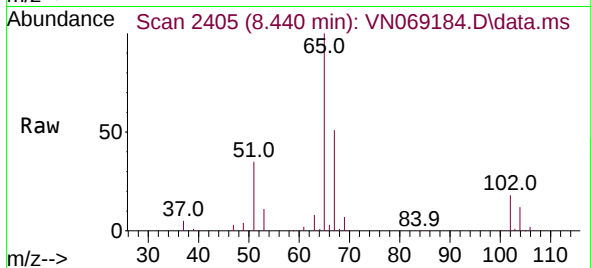


#33

1,2-Dichloroethane-d4
Concen: 49.671 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

Instrument :
MSVOA_N
ClientSampled :

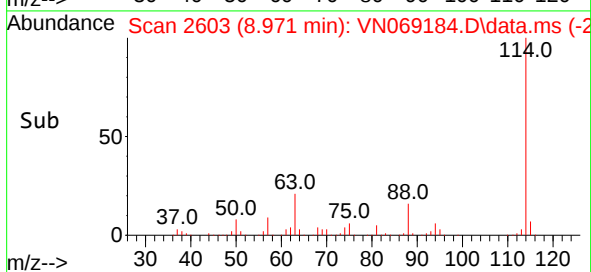
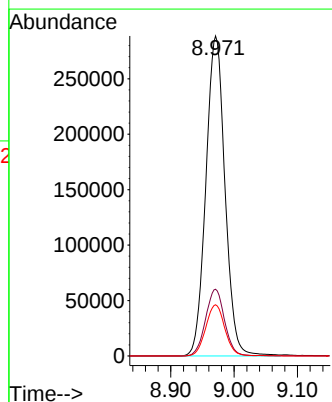
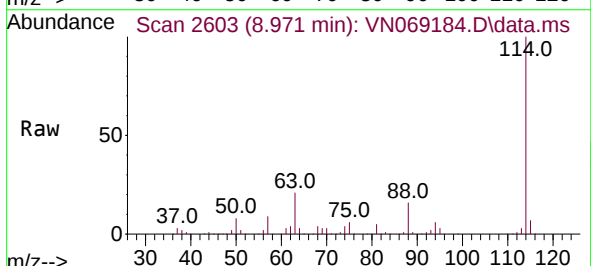
Tgt Ion: 65 Resp: 227995
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.8

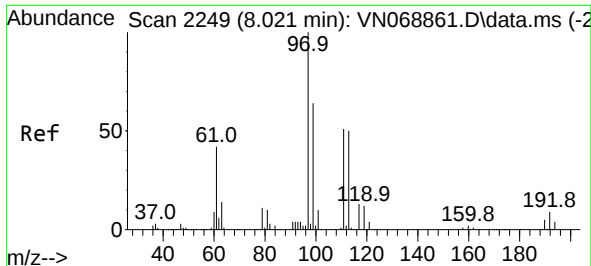


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

Tgt Ion: 114 Resp: 604634
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.6
88 16.0 0.0 32.0

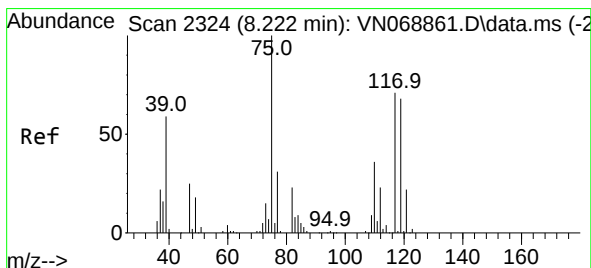
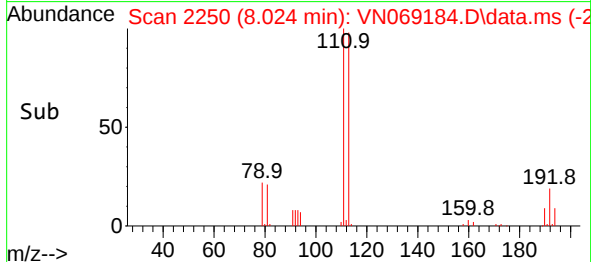
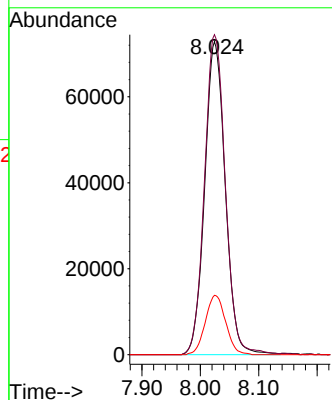
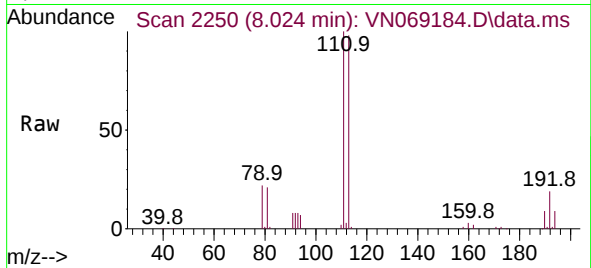




#35
Dibromofluoromethane
Concen: 50.746 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

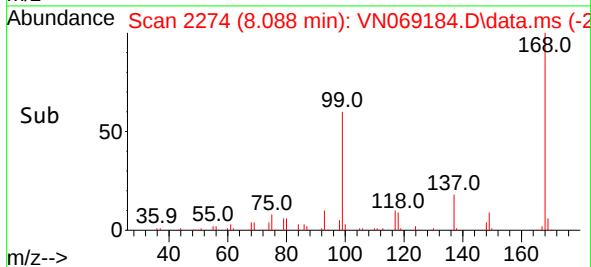
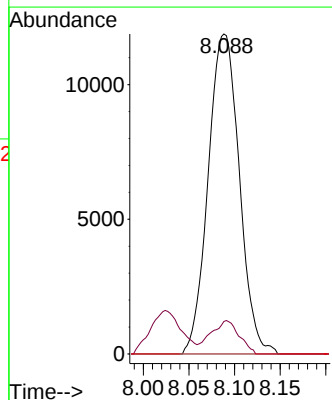
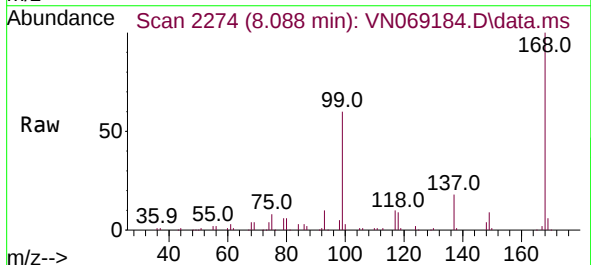
Instrument :
MSVOA_N
ClientSampled :

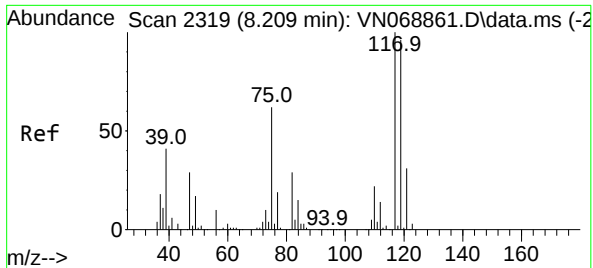
Tgt Ion:113 Resp: 178515
Ion Ratio Lower Upper
113 100
111 103.6 83.2 124.8
192 18.8 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.469 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

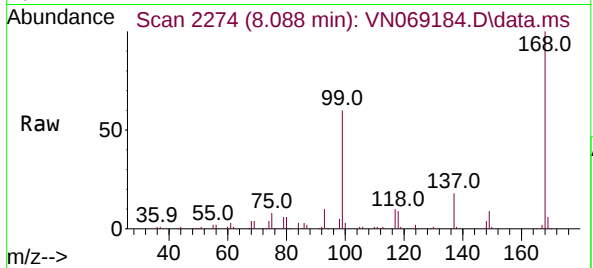
Tgt Ion: 75 Resp: 28246
Ion Ratio Lower Upper
75 100
110 9.6 17.9 53.8#
77 0.0 24.7 37.1#



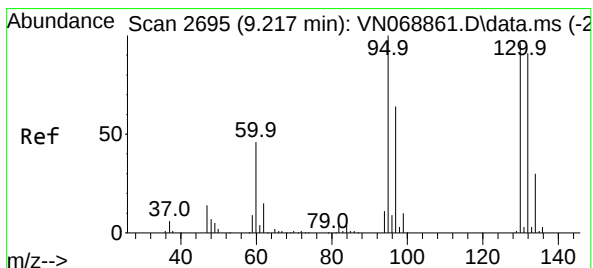
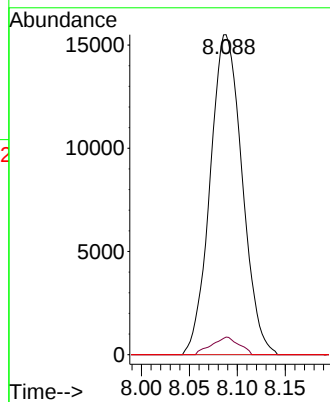
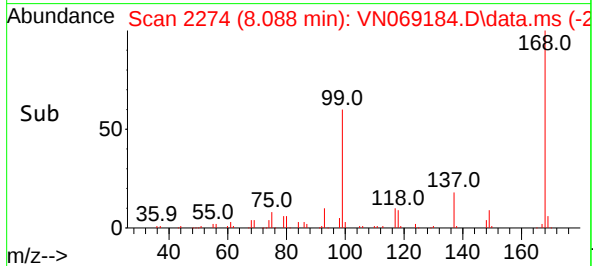


#38
Carbon Tetrachloride
Concen: 6.352 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

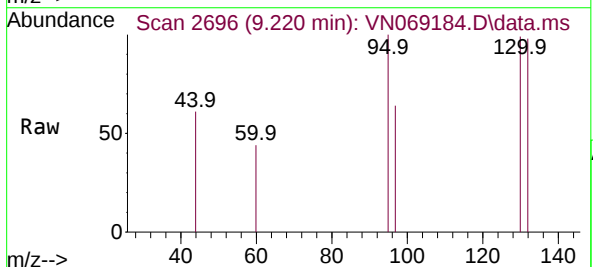
Instrument :
MSVOA_N
ClientSampled :



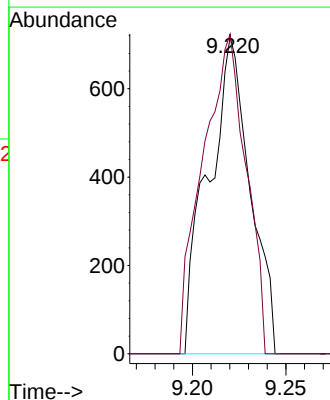
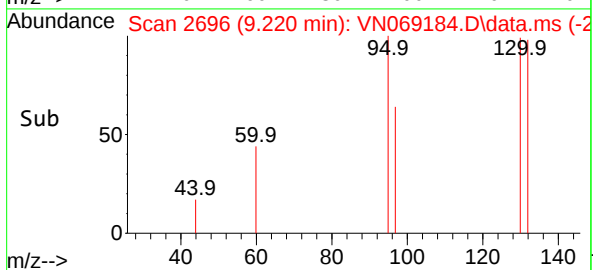
Tgt Ion:117 Resp: 36027
Ion Ratio Lower Upper
117 100
119 5.5 76.9 115.3#
121 0.0 24.6 37.0#

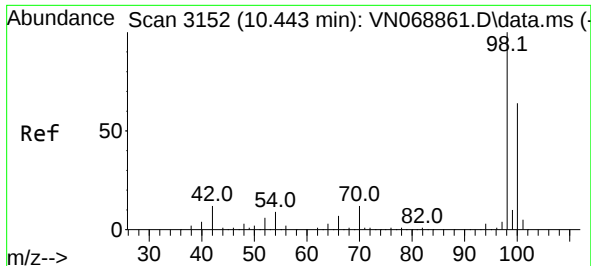


#44
Trichloroethene
Concen: 0.284 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.003 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39



Tgt Ion:130 Resp: 1119
Ion Ratio Lower Upper
130 100
95 100.8 0.0 208.0

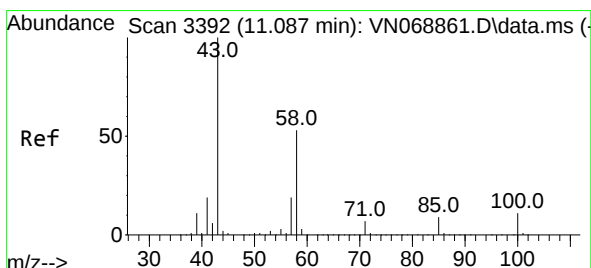
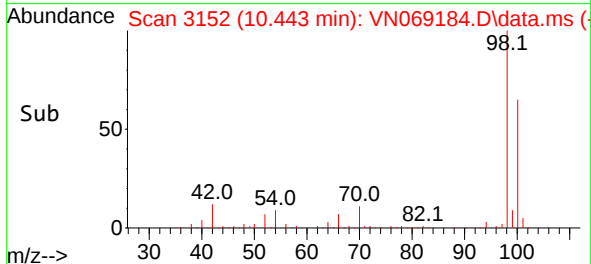
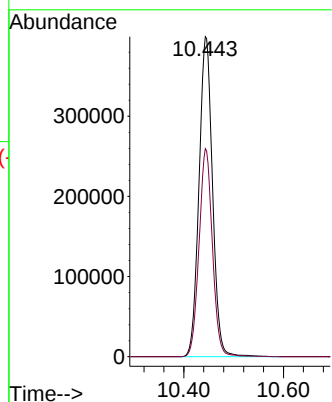
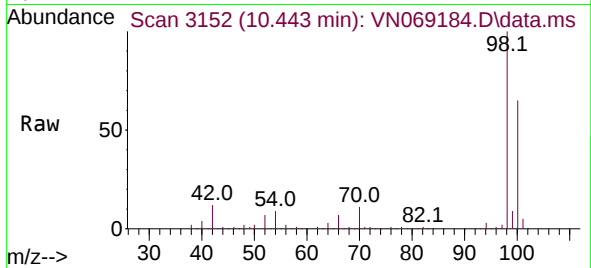




#50
Toluene-d8
Concen: 53.321 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

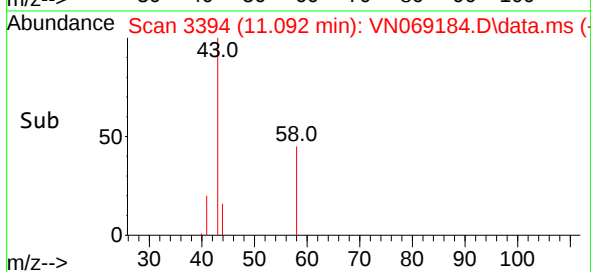
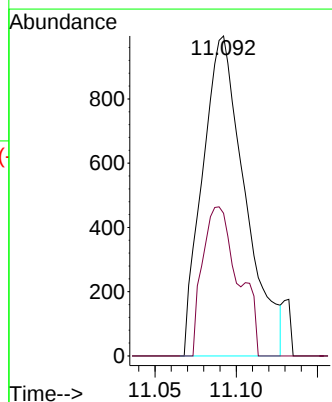
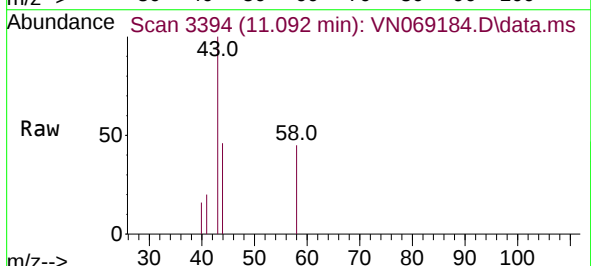
Instrument :
MSVOA_N
ClientSampled :

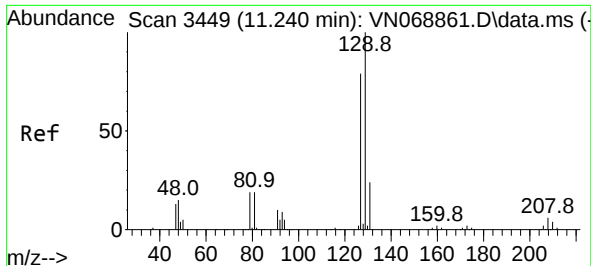
Tgt Ion: 98 Resp: 750511
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3



#59
2-Hexanone
Concen: 0.462 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

Tgt Ion: 43 Resp: 1809
Ion Ratio Lower Upper
43 100
58 39.1 26.9 80.7

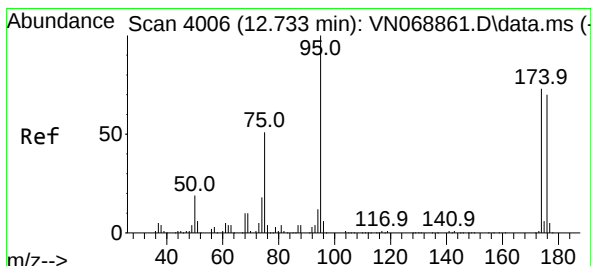
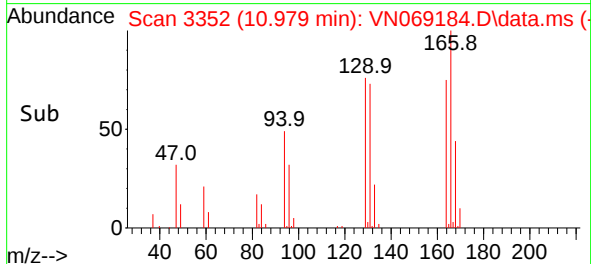
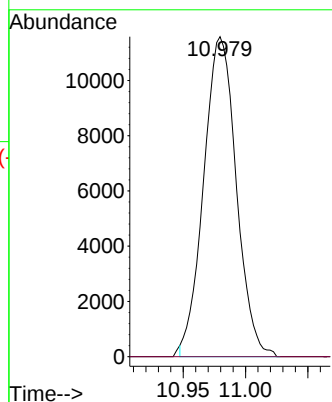
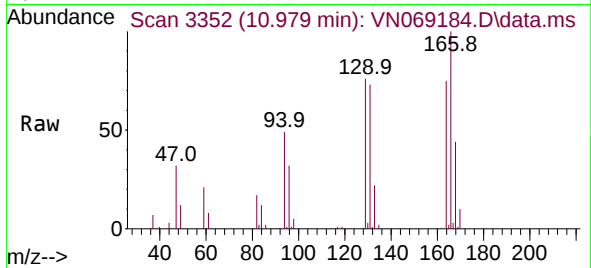




#60
Dibromochloromethane
Concen: 4.690 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.260 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

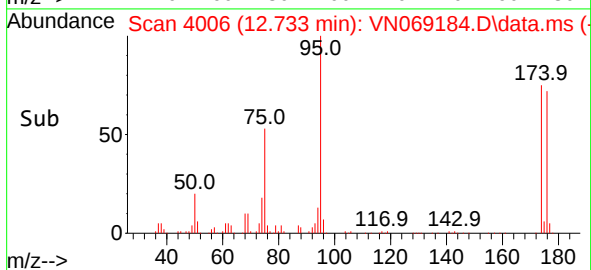
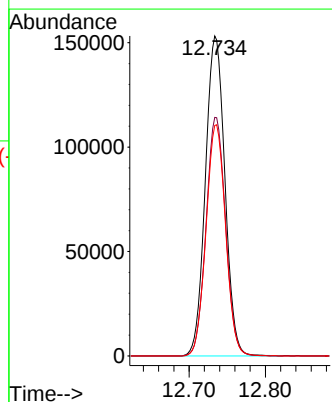
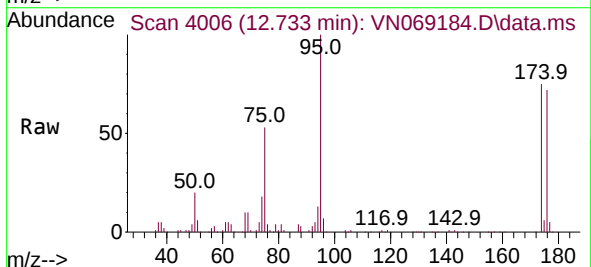
Instrument :
MSVOA_N
ClientSampleId :

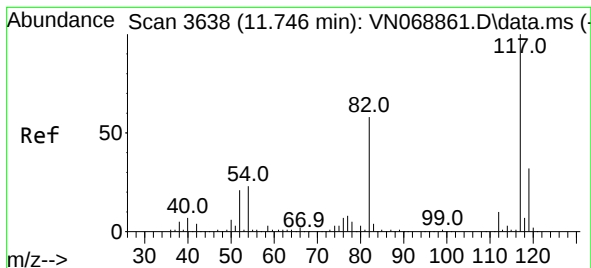
Tgt Ion:129 Resp: 21118
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#



#62
4-Bromofluorobenzene
Concen: 51.161 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

Tgt Ion: 95 Resp: 271690
Ion Ratio Lower Upper
95 100
174 74.6 0.0 144.8
176 72.4 0.0 140.0

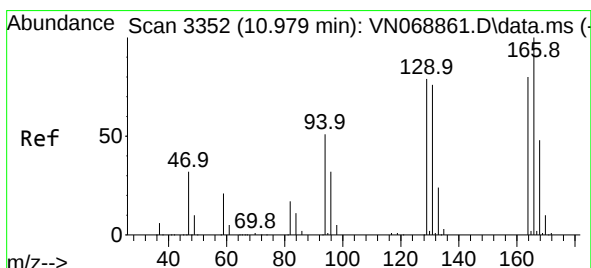
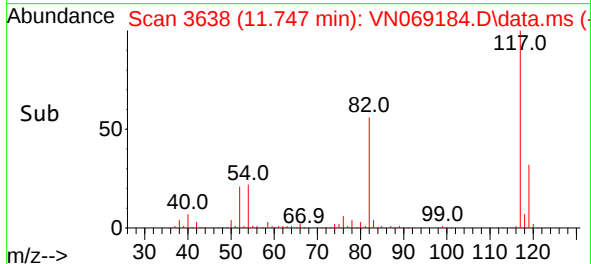
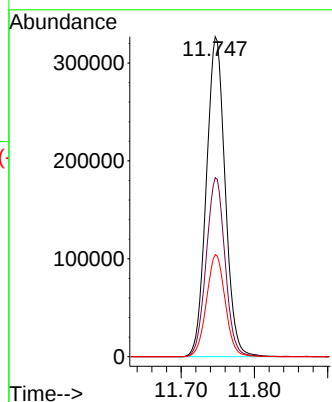
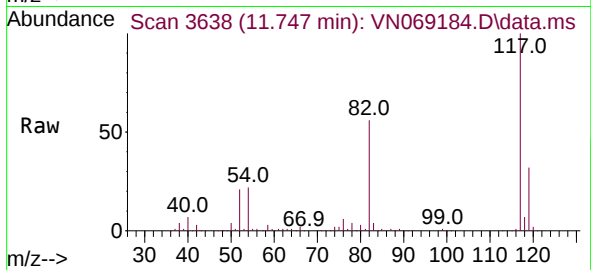




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

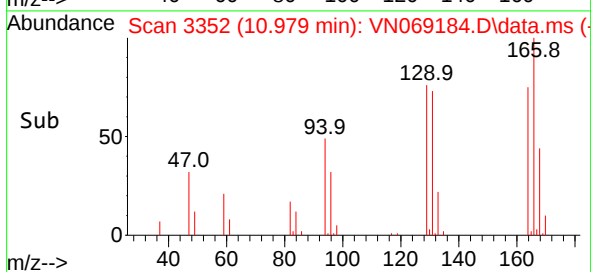
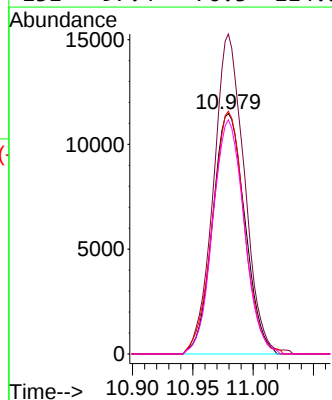
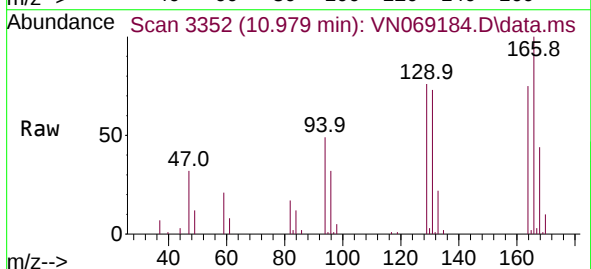
Instrument :
MSVOA_N
ClientSampled :

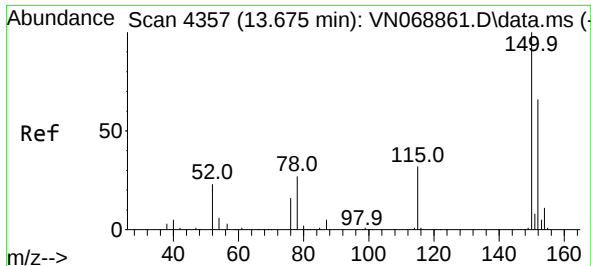
Tgt Ion:117 Resp: 582576
Ion Ratio Lower Upper
117 100
82 56.0 46.4 69.6
119 31.9 26.0 39.0



#64
Tetrachloroethene
Concen: 5.694 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. 0.000 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

Tgt Ion:164 Resp: 21369
Ion Ratio Lower Upper
164 100
166 133.1 99.8 149.8
129 100.9 79.2 118.8
131 97.4 76.3 114.5

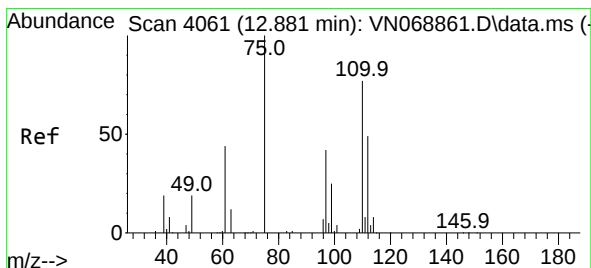
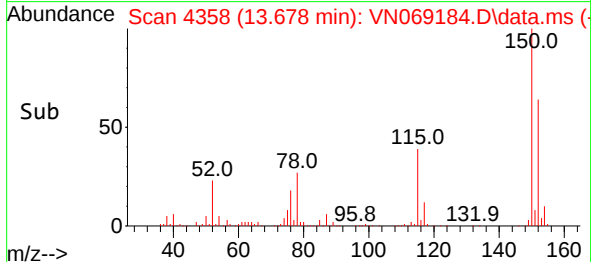
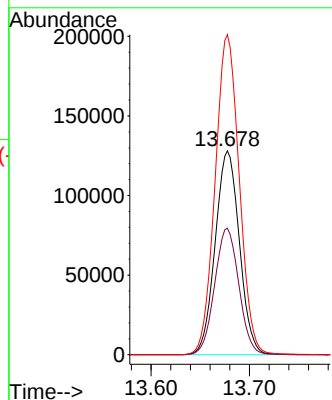
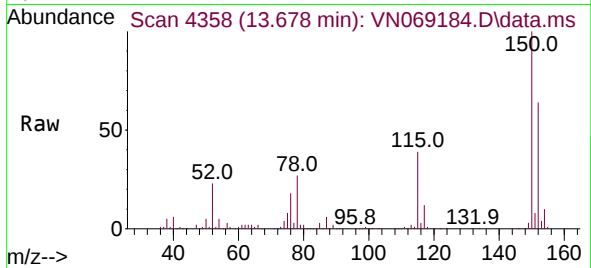




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN069184.D
 Acq: 26 Oct 2021 14:39

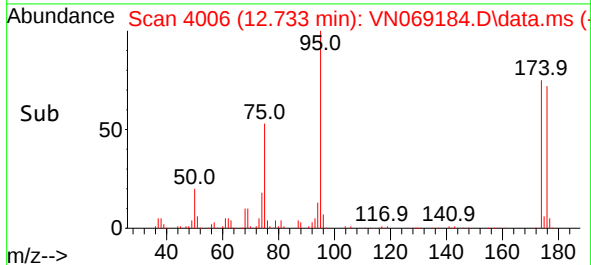
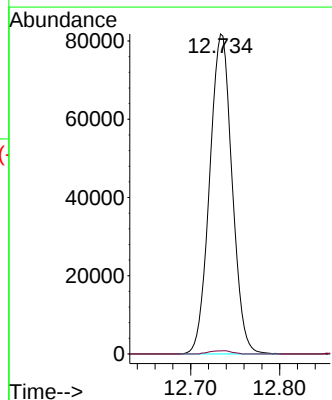
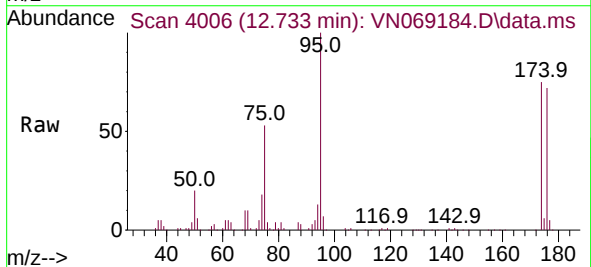
Instrument :
 MSVOA_N
 ClientSampled :

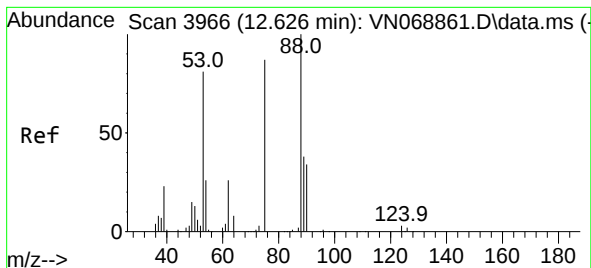
Tgt Ion:152 Resp: 218907
 Ion Ratio Lower Upper
 152 100
 115 62.0 31.4 94.3
 150 156.8 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 30.742 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.147 min
 Lab File: VN069184.D
 Acq: 26 Oct 2021 14:39

Tgt Ion: 75 Resp: 143186
 Ion Ratio Lower Upper
 75 100
 77 1.0 96.2 288.4#

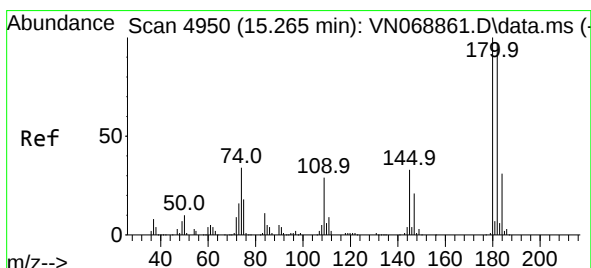
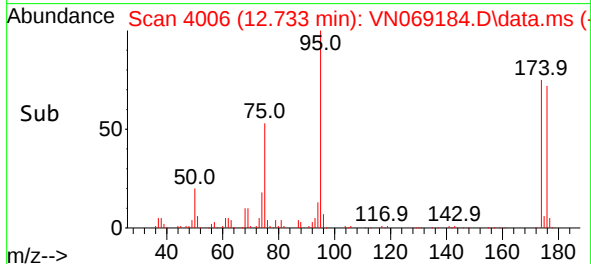
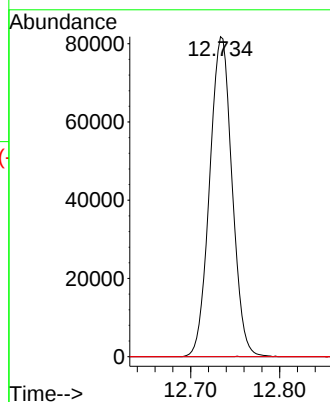
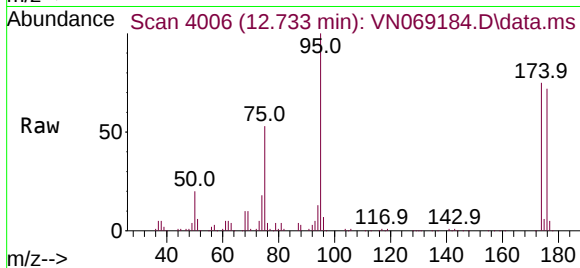




#81
trans-1,4-Dichloro-2-butene
Concen: 73.548 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

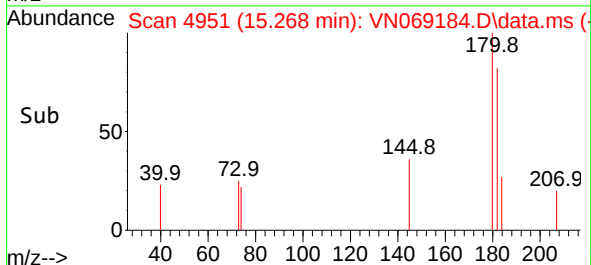
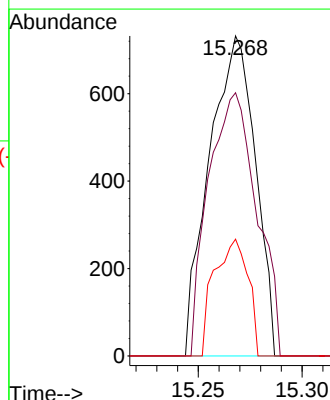
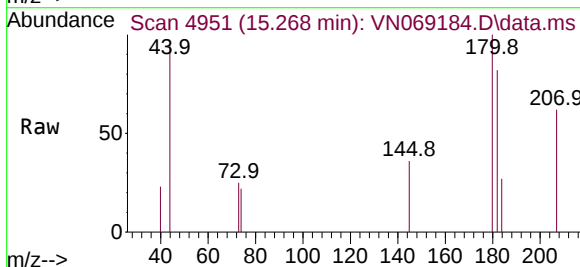
Instrument :
MSVOA_N
ClientSampled :

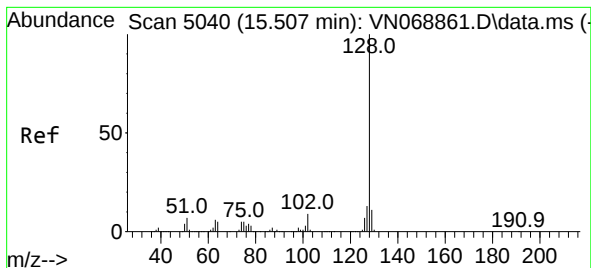
Tgt Ion: 75 Resp: 143186
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.892 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

Tgt Ion:180 Resp: 1127
Ion Ratio Lower Upper
180 100
182 86.3 47.9 143.7
145 26.7 16.4 49.2

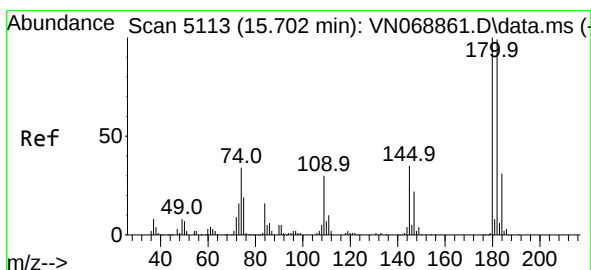
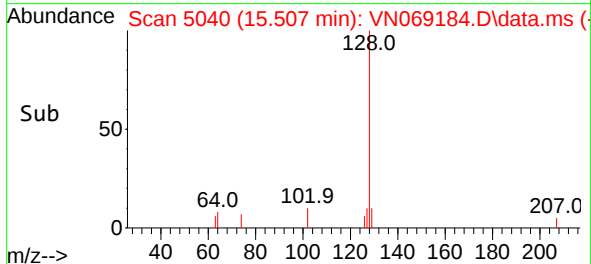
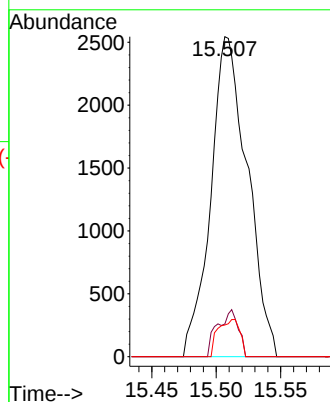
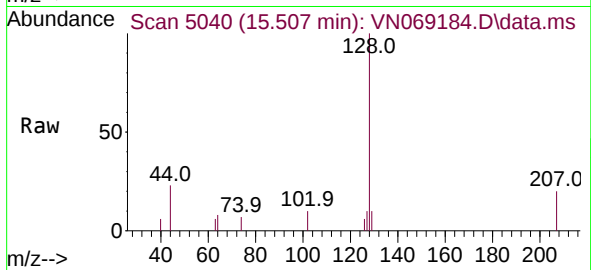




#95
Naphthalene
Concen: 4.269 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 5026
Ion Ratio Lower Upper
128 100
127 8.3 10.5 15.7#
129 6.9 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.656 ug/l
RT: 15.694 min Scan# 5110
Delta R.T. -0.008 min
Lab File: VN069184.D
Acq: 26 Oct 2021 14:39

Tgt Ion:180 Resp: 524
Ion Ratio Lower Upper
180 100
182 199.0 48.1 144.3#
145 36.8 17.4 52.2

