

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102721\
 Data File : VN069222.D
 Acq On : 27 Oct 2021 16:47
 Operator : JC/MD
 Sample : M4338-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 28 05:21:57 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

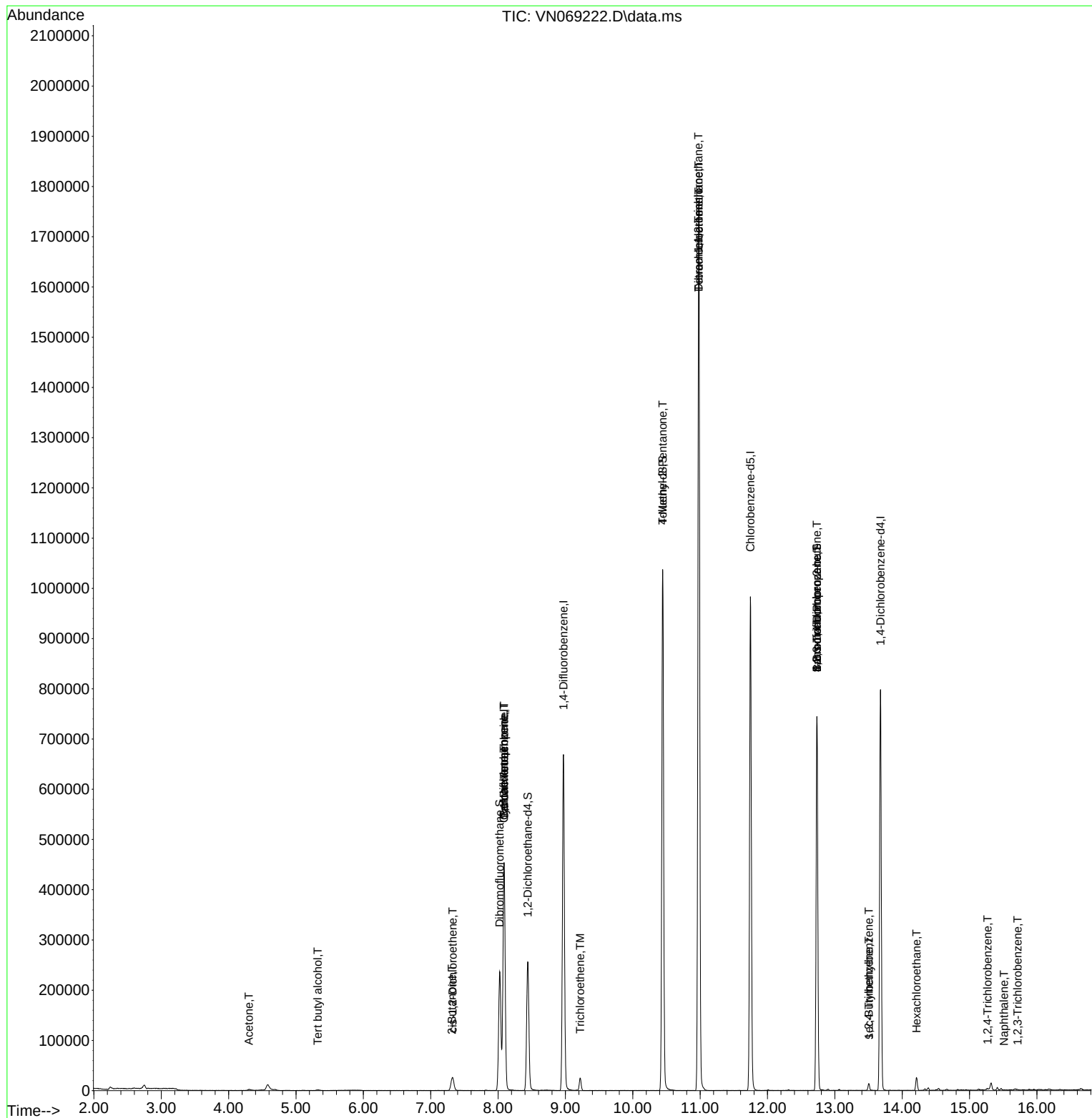
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	342164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	598583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	581575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	212735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	225020	49.879	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	99.760%	
35) Dibromofluoromethane	8.024	113	174419	50.083	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	100.160%	
50) Toluene-d8	10.443	98	750364	53.849	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	107.700%	
62) 4-Bromofluorobenzene	12.733	95	269827	51.324	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	102.640%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.323	59	852	1.034	ug/l #	72
16) Acetone	4.299	43	4287	2.546	ug/l	99
25) 2-Butanone	7.313	43	814	0.320	ug/l #	48
27) cis-1,2-Dichloroethene	7.327	96	10079	2.334	ug/l	91
31) Cyclohexane	8.085	56	8260	1.178	ug/l #	20
36) 1,1-Dichloropropene	8.088	75	28888	5.650	ug/l #	49
38) Carbon Tetrachloride	8.091	117	35619	6.343	ug/l #	15
44) Trichloroethene	9.217	130	9065	2.326	ug/l	93
51) 4-Methyl-2-Pentanone	10.443	43	3323	0.615	ug/l #	1
55) 1,1,2-Trichloroethane	10.974	97	3678	0.931	ug/l #	1
60) Dibromochloromethane	10.979	129	391811	87.896	ug/l #	10
64) Tetrachloroethene	10.979	164	397110	105.997	ug/l	98
71) Bromoform	12.733	173	1822	0.528	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	140809	31.108	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	140809	74.425	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.503	105	10278	0.723	ug/l #	32
85) sec-Butylbenzene	13.503	105	10278	0.578	ug/l	99
90) Hexachloroethane	14.211	117	3862	1.289	ug/l	100
93) 1,2,4-Trichlorobenzene	15.268	180	296	2.680	ug/l #	1
95) Naphthalene	15.512	128	517	3.860	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.713	180	25	2.521	ug/l #	12

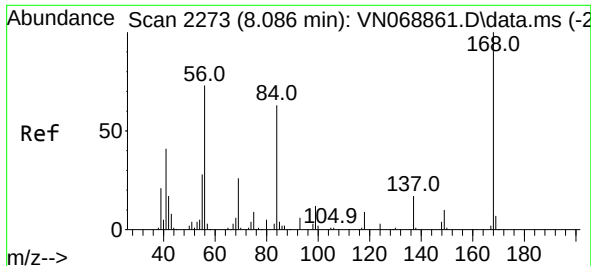
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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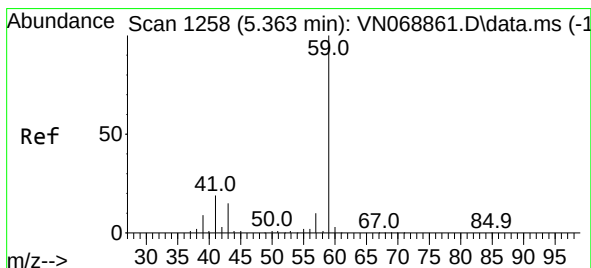
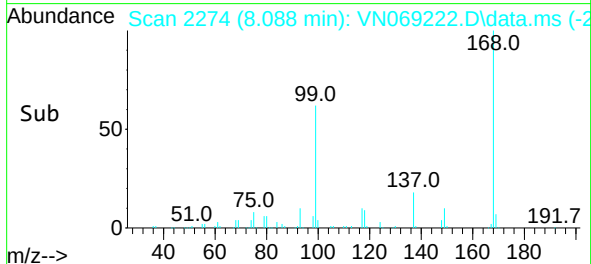
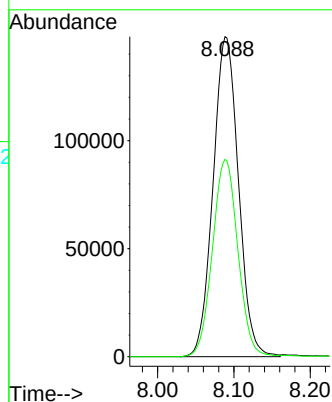
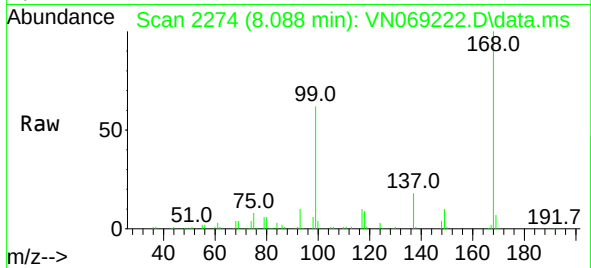




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069222.D
Acq: 27 Oct 2021 16:47

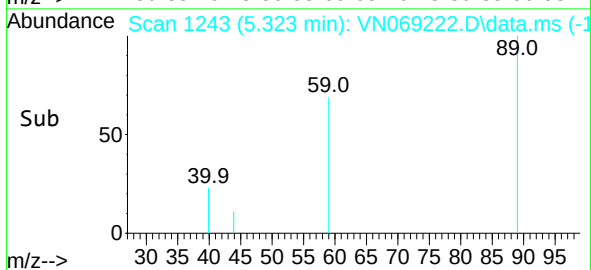
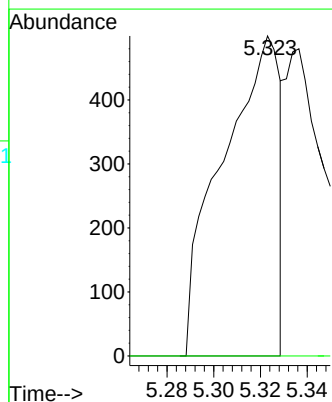
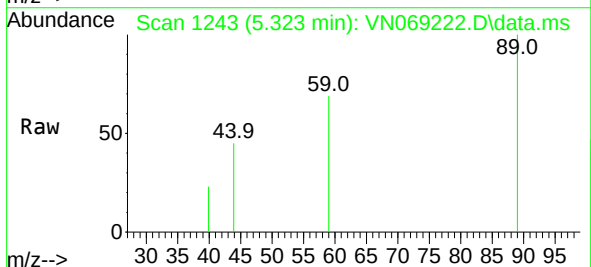
Instrument :
MSVOA_N
ClientSampleId :

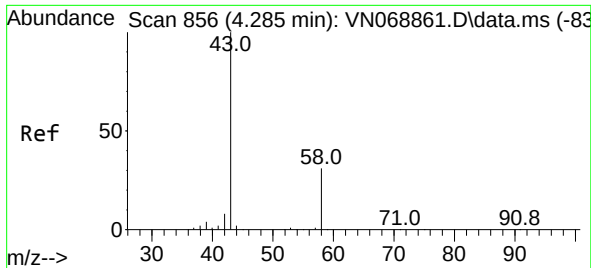
Tgt Ion:168 Resp: 342164
Ion Ratio Lower Upper
168 100
99 61.6 48.9 73.3



#11
Tert butyl alcohol
Concen: 1.034 ug/l
RT: 5.323 min Scan# 1243
Delta R.T. -0.040 min
Lab File: VN069222.D
Acq: 27 Oct 2021 16:47

Tgt Ion: 59 Resp: 852
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

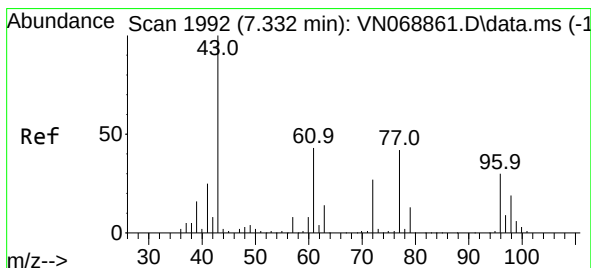
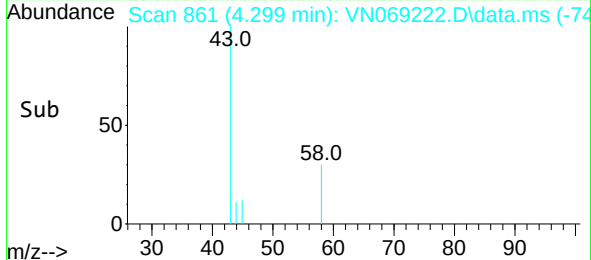
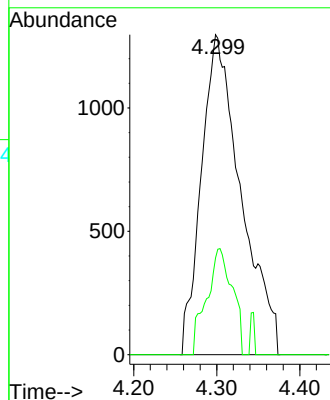
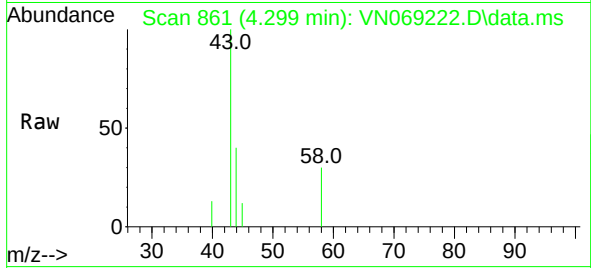




#16
Acetone
Concen: 2.546 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.013 min
Lab File: VN069222.D
Acq: 27 Oct 2021 16:47

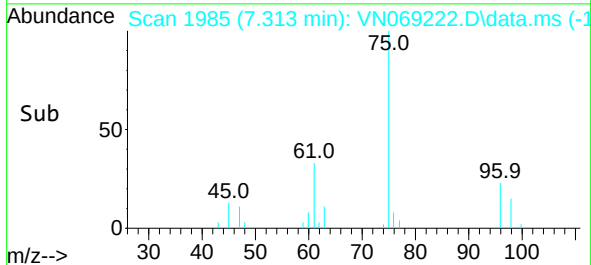
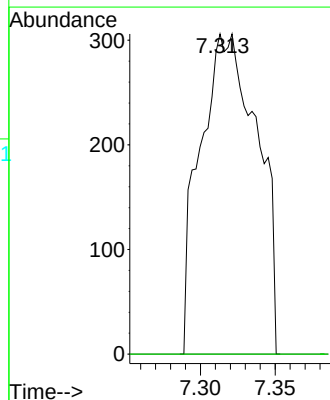
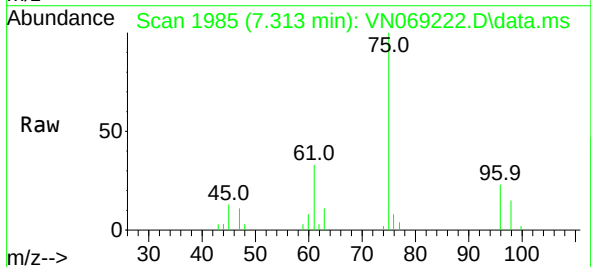
Instrument :
MSVOA_N
ClientSampled :

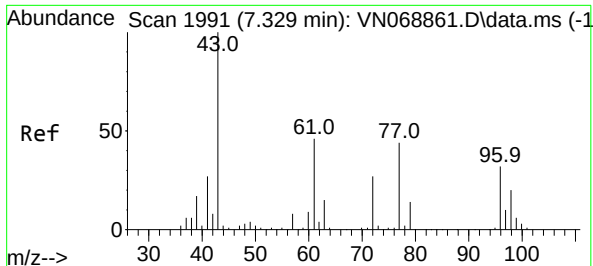
Tgt Ion: 43 Resp: 4287
Ion Ratio Lower Upper
43 100
58 30.2 24.5 36.7



#25
2-Butanone
Concen: 0.320 ug/l
RT: 7.313 min Scan# 1985
Delta R.T. -0.019 min
Lab File: VN069222.D
Acq: 27 Oct 2021 16:47

Tgt Ion: 43 Resp: 814
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#

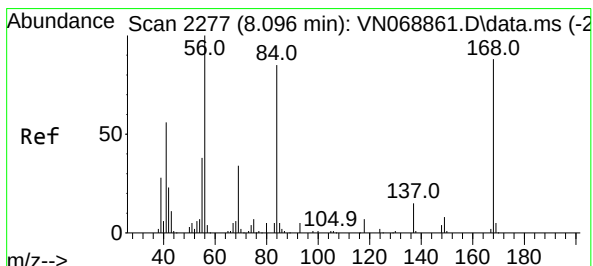
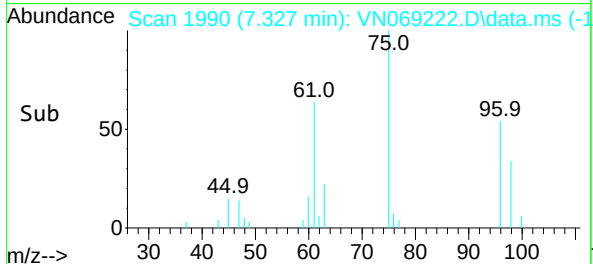
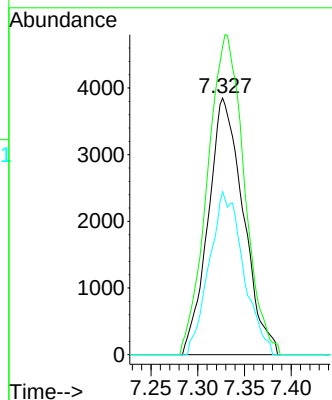
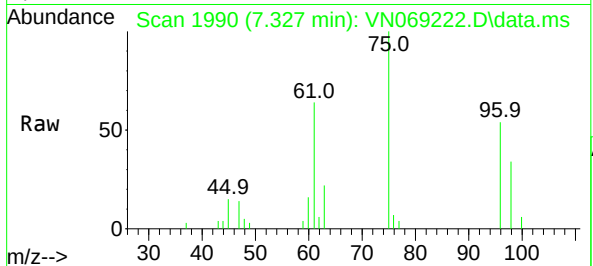




#27
 cis-1,2-Dichloroethene
 Concen: 2.334 ug/l
 RT: 7.327 min Scan# 1990
 Delta R.T. -0.003 min
 Lab File: VN069222.D
 Acq: 27 Oct 2021 16:47

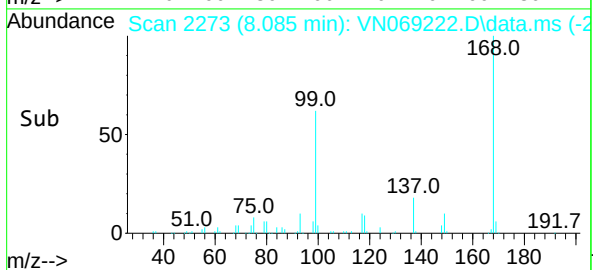
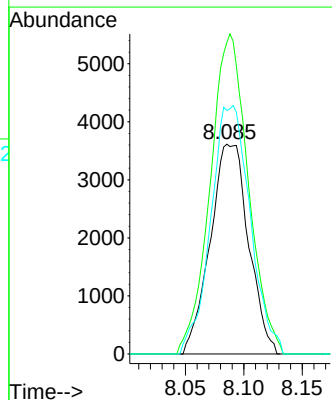
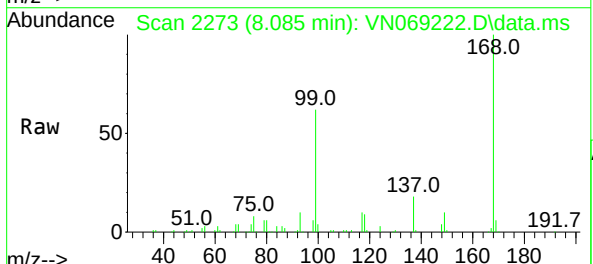
Instrument :
 MSVOA_N
 ClientSampled :

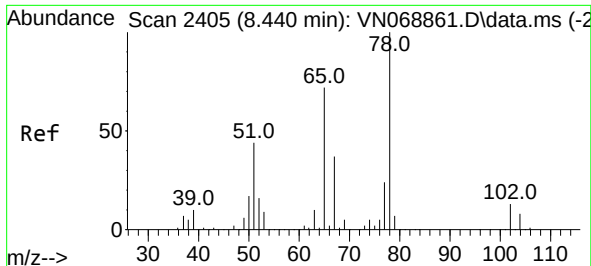
Tgt Ion:	96	Resp:	10079
Ion	Ratio	Lower	Upper
96	100		
61	130.4	0.0	290.6
98	61.5	0.0	127.2



#31
 Cyclohexane
 Concen: 1.178 ug/l
 RT: 8.085 min Scan# 2273
 Delta R.T. -0.011 min
 Lab File: VN069222.D
 Acq: 27 Oct 2021 16:47

Tgt Ion:	56	Resp:	8260
Ion	Ratio	Lower	Upper
56	100		
69	144.2	26.9	40.3#
84	116.0	67.6	101.4#



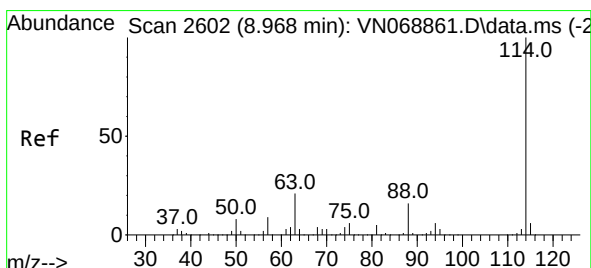
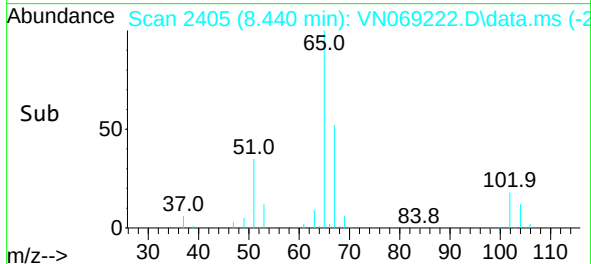
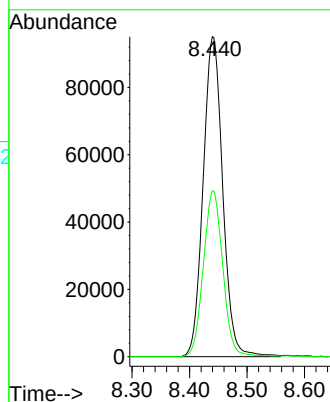
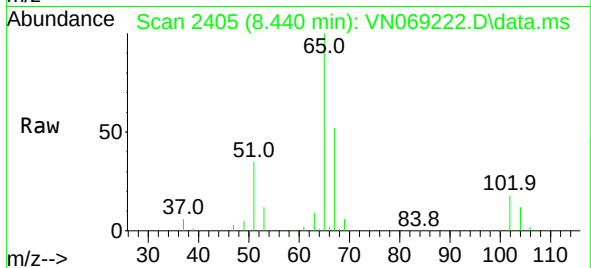


#33

1,2-Dichloroethane-d4
Concen: 49.879 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069222.D
Acq: 27 Oct 2021 16:47

Instrument :
MSVOA_N
ClientSampled :

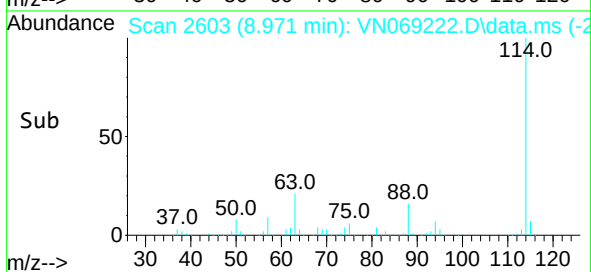
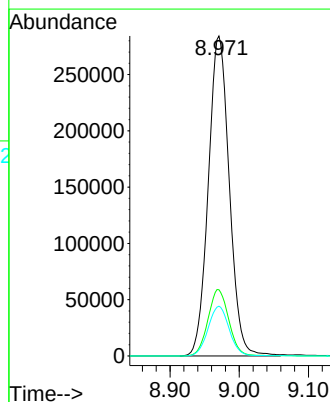
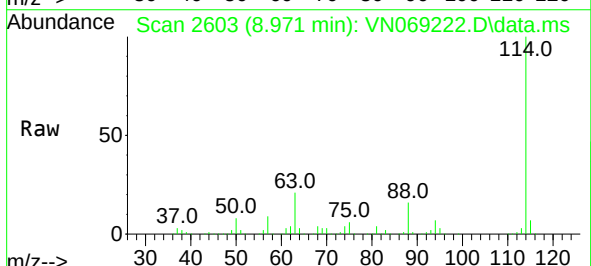
Tgt Ion: 65 Resp: 225020
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.8

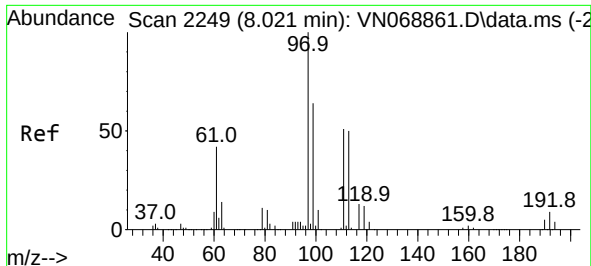


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069222.D
Acq: 27 Oct 2021 16:47

Tgt Ion: 114 Resp: 598583
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 15.6 0.0 32.0

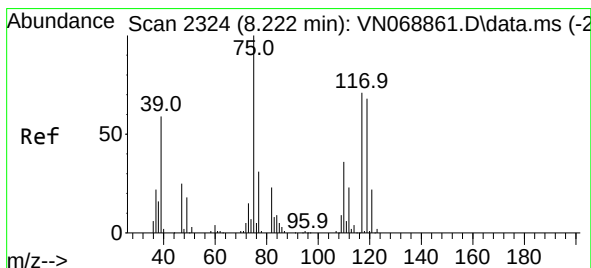
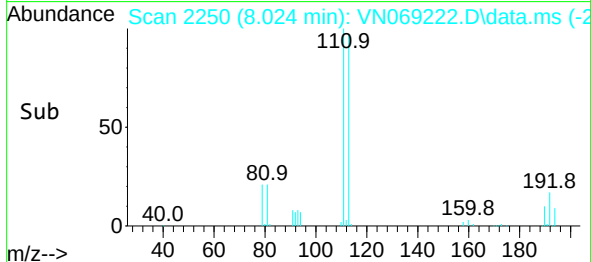
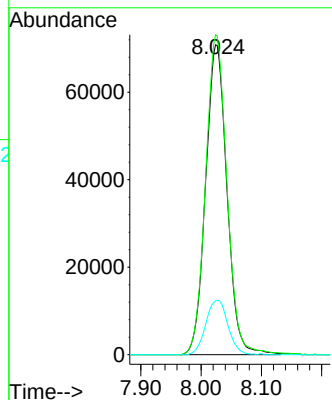
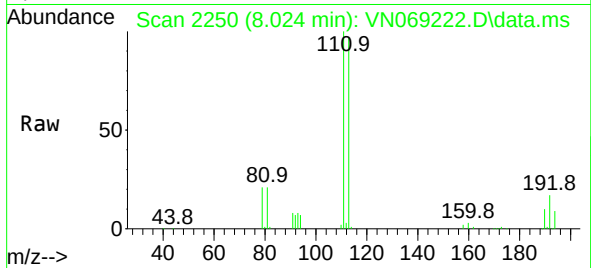




#35
Dibromofluoromethane
Concen: 50.083 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069222.D
Acq: 27 Oct 2021 16:47

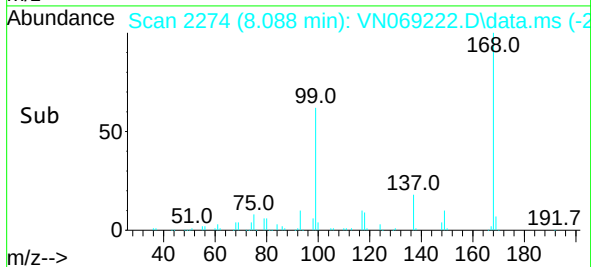
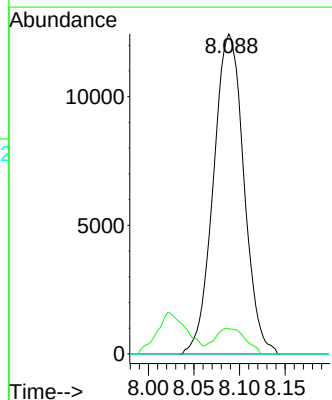
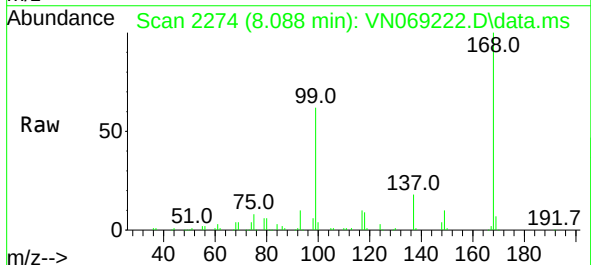
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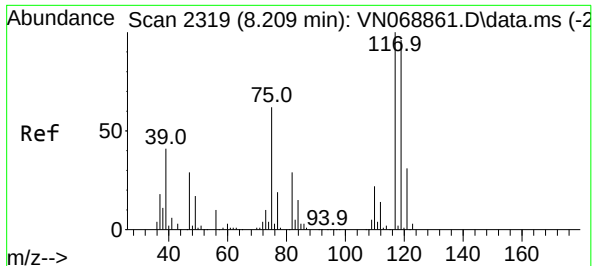
Tgt Ion:113 Resp: 174419
Ion Ratio Lower Upper
113 100
111 103.3 83.2 124.8
192 18.2 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.650 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069222.D
Acq: 27 Oct 2021 16:47

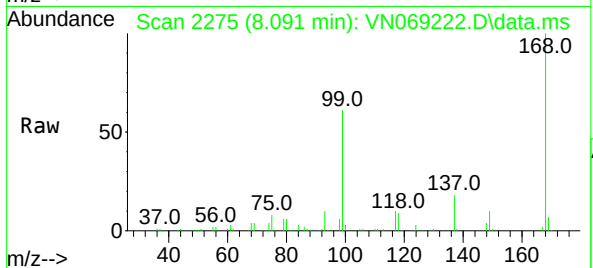
Tgt Ion: 75 Resp: 28888
Ion Ratio Lower Upper
75 100
110 8.1 17.9 53.8#
77 0.0 24.7 37.1#



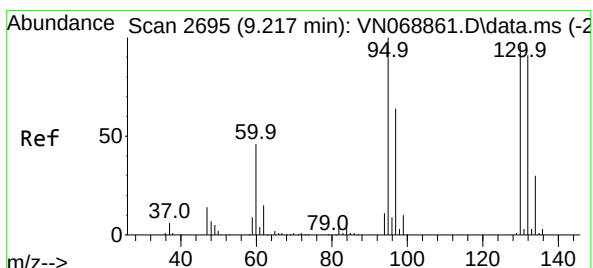
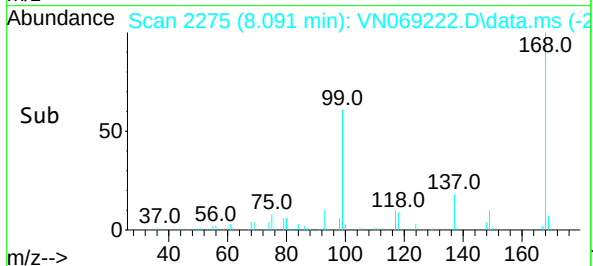
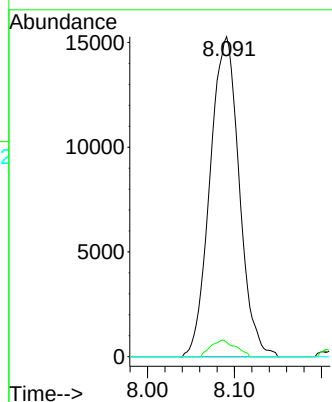


#38
Carbon Tetrachloride
Concen: 6.343 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN069222.D
Acq: 27 Oct 2021 16:47

Instrument :
MSVOA_N
ClientSampled :

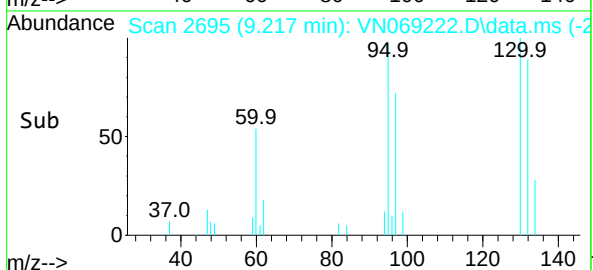
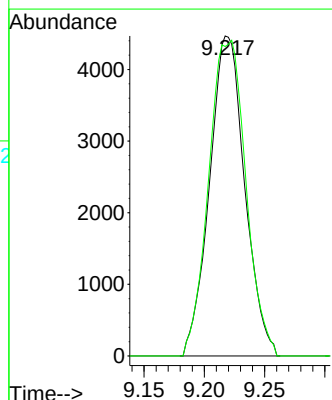
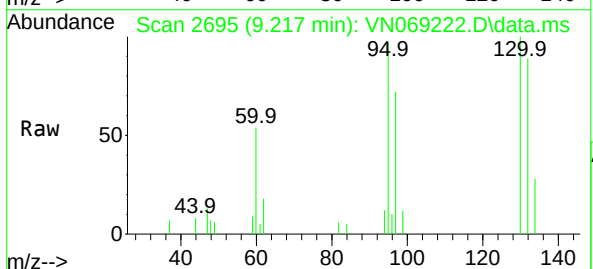


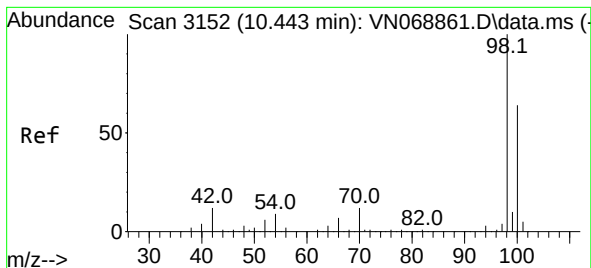
Tgt Ion:117 Resp: 35619
Ion Ratio Lower Upper
117 100
119 4.5 76.9 115.3#
121 0.0 24.6 37.0#



#44
Trichloroethene
Concen: 2.326 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. -0.000 min
Lab File: VN069222.D
Acq: 27 Oct 2021 16:47

Tgt Ion:130 Resp: 9065
Ion Ratio Lower Upper
130 100
95 96.7 0.0 208.0

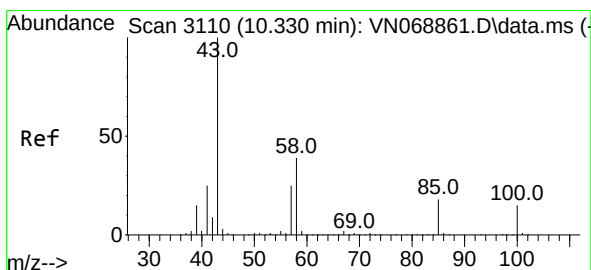
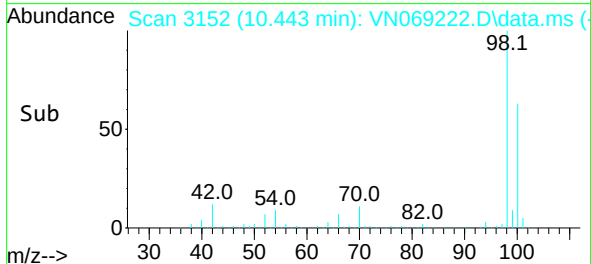
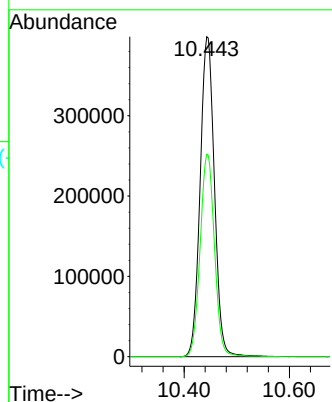
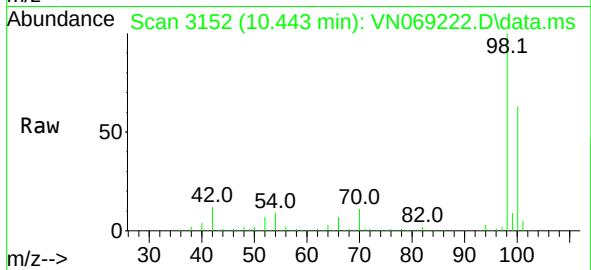




#50
Toluene-d8
Concen: 53.849 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069222.D
Acq: 27 Oct 2021 16:47

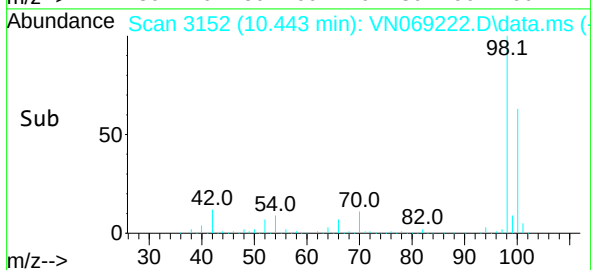
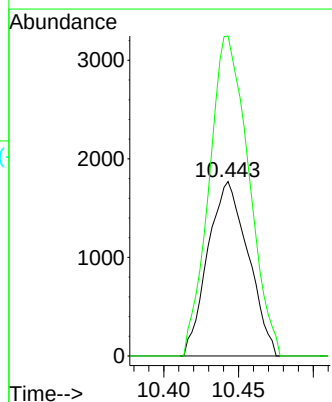
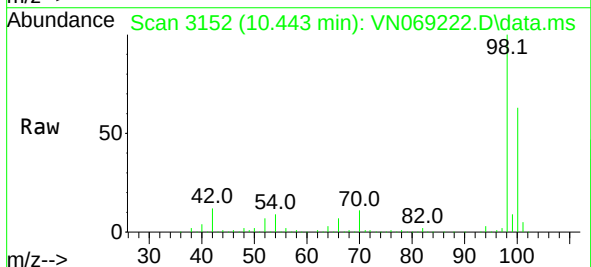
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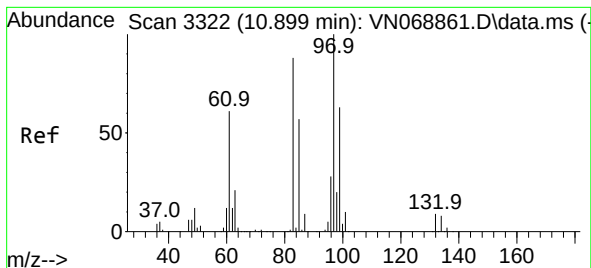
Tgt Ion: 98 Resp: 750364
Ion Ratio Lower Upper
98 100
100 63.5 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.615 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.113 min
Lab File: VN069222.D
Acq: 27 Oct 2021 16:47

Tgt Ion: 43 Resp: 3323
Ion Ratio Lower Upper
43 100
58 179.9 31.0 46.4#

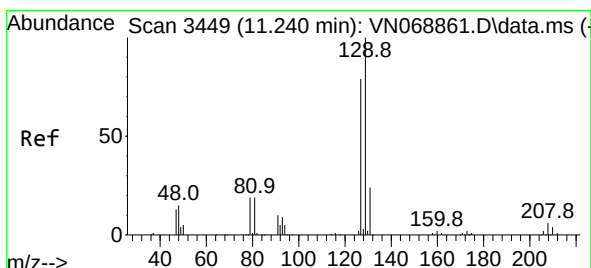
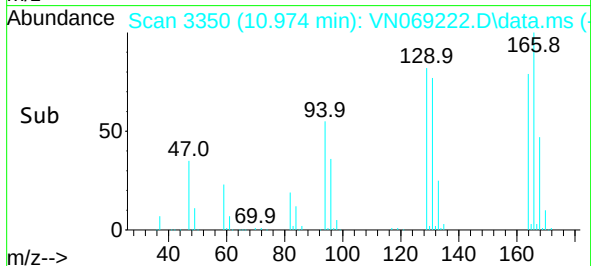
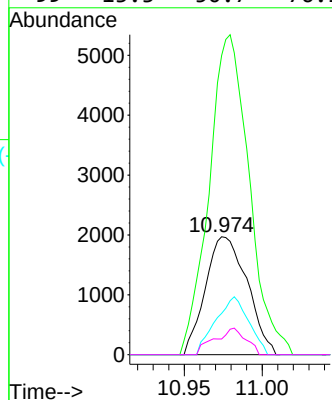
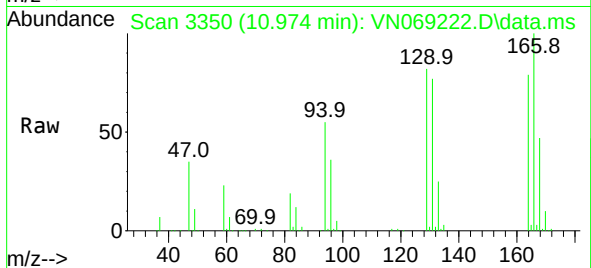




#55
1,1,2-Trichloroethane
Concen: 0.931 ug/l
RT: 10.974 min Scan# 3350
Delta R.T. 0.075 min
Lab File: VN069222.D
Acq: 27 Oct 2021 16:47

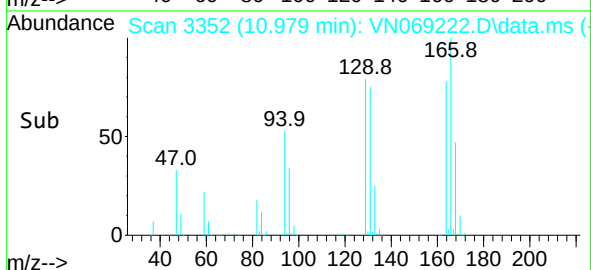
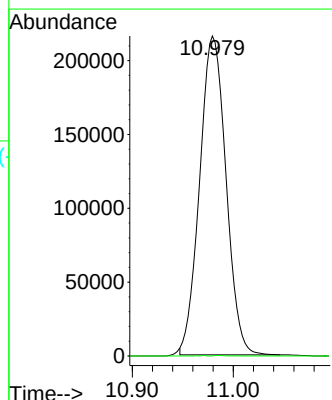
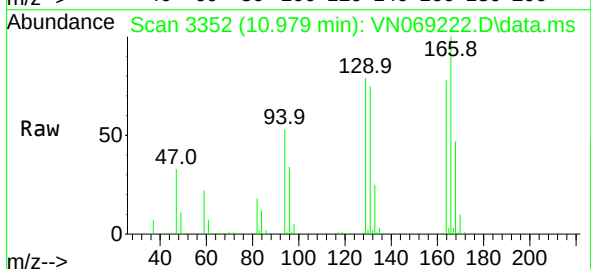
Instrument :
MSVOA_N
ClientSampled :

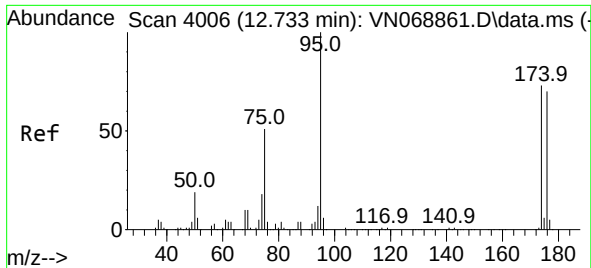
Tgt Ion: 97	Resp:	3678
Ion	Ratio	Lower Upper
97	100	
83	253.5	70.5 105.7#
85	35.0	45.3 67.9#
99	13.3	50.7 76.1#



#60
Dibromochloromethane
Concen: 87.896 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.260 min
Lab File: VN069222.D
Acq: 27 Oct 2021 16:47

Tgt Ion: 129	Resp:	391811
Ion	Ratio	Lower Upper
129	100	
127	0.1	39.1 117.2#

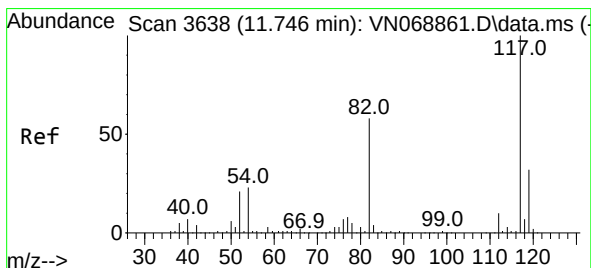
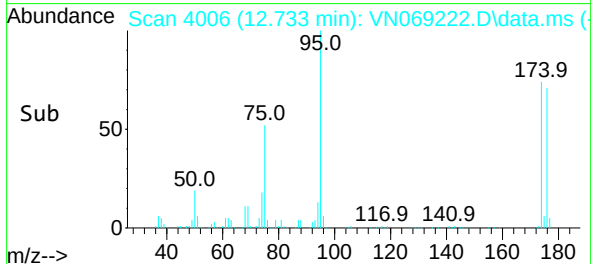
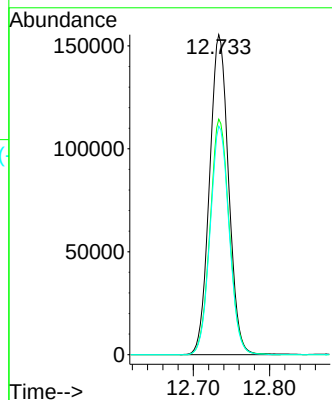
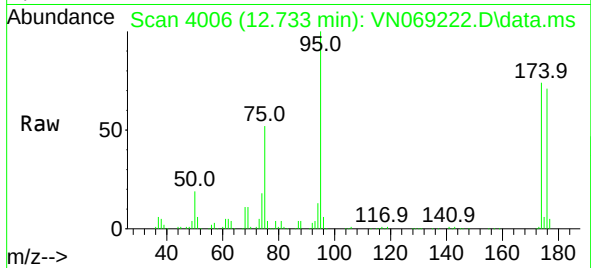




#62
4-Bromofluorobenzene
Concen: 51.324 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069222.D
Acq: 27 Oct 2021 16:47

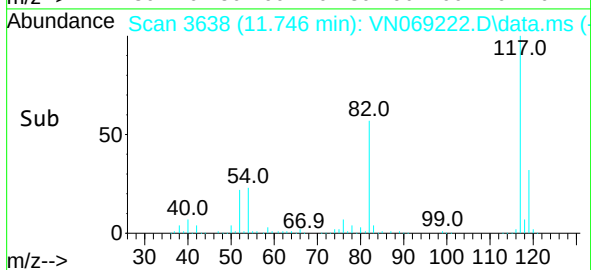
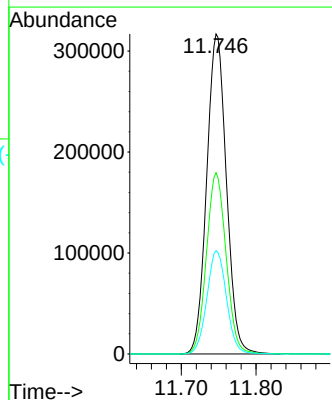
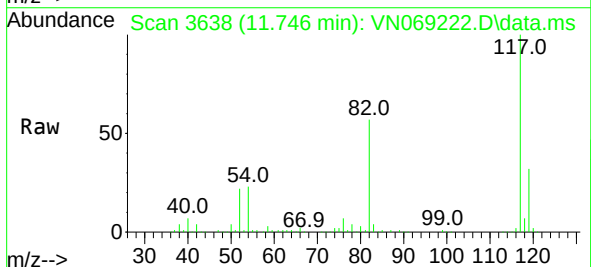
Instrument :
MSVOA_N
ClientSampleId :

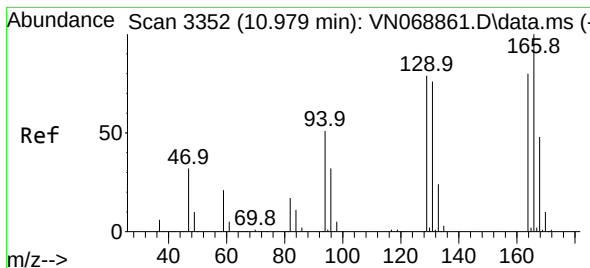
Tgt Ion: 95 Resp: 269827
Ion Ratio Lower Upper
95 100
174 73.9 0.0 144.8
176 71.1 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069222.D
Acq: 27 Oct 2021 16:47

Tgt Ion: 117 Resp: 581575
Ion Ratio Lower Upper
117 100
82 56.6 46.4 69.6
119 32.3 26.0 39.0





#64

Tetrachloroethene

Concen: 105.997 ug/l

RT: 10.979 min Scan# 3352

Delta R.T. -0.000 min

Lab File: VN069222.D

Acq: 27 Oct 2021 16:47

Tgt Ion:164 Resp: 397110

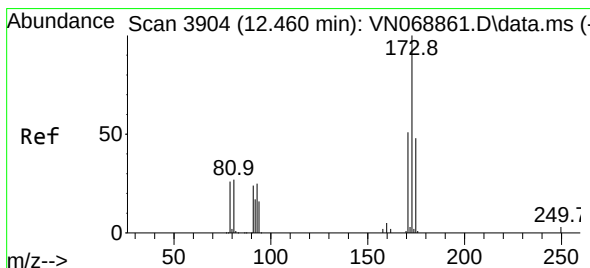
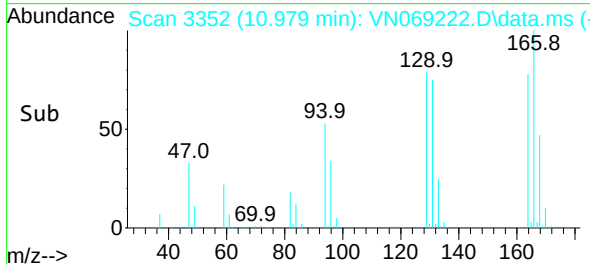
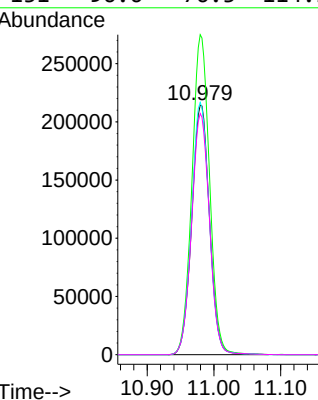
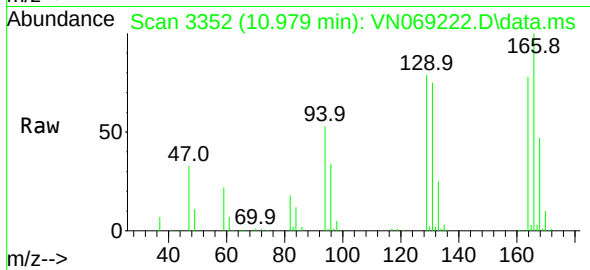
Ion Ratio Lower Upper

164 100

166 128.2 99.8 149.8

129 101.1 79.2 118.8

131 96.6 76.3 114.5



#71

Bromoform

Concen: 0.528 ug/l

RT: 12.733 min Scan# 4006

Delta R.T. 0.273 min

Lab File: VN069222.D

Acq: 27 Oct 2021 16:47

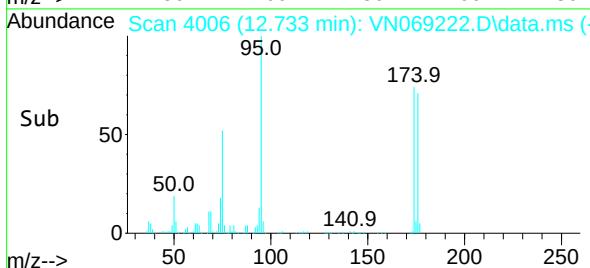
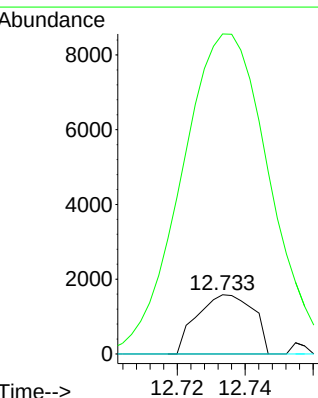
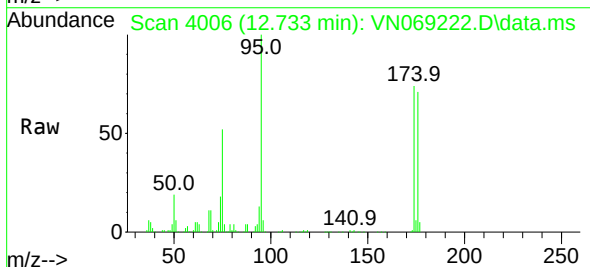
Tgt Ion:173 Resp: 1822

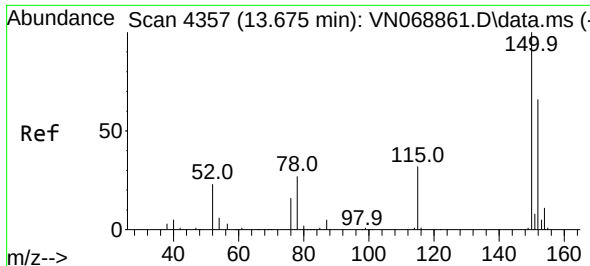
Ion Ratio Lower Upper

173 100

175 776.1 23.8 71.5#

254 0.0 0.0 0.0

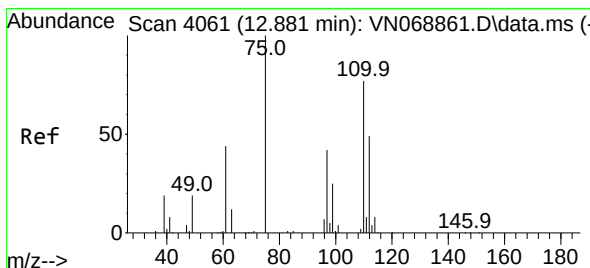
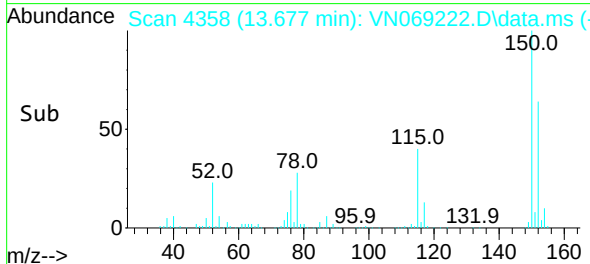
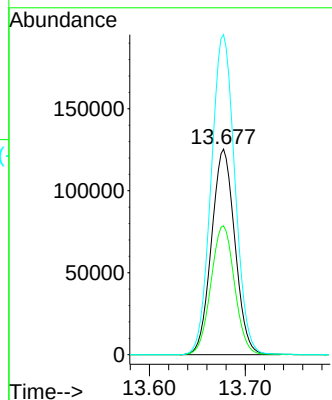
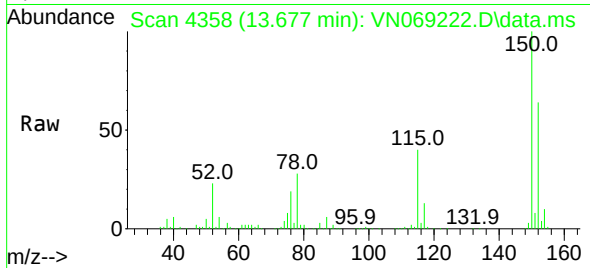




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN069222.D
 Acq: 27 Oct 2021 16:47

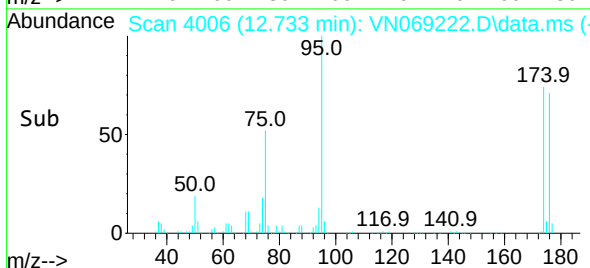
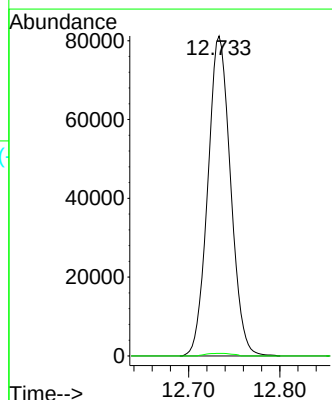
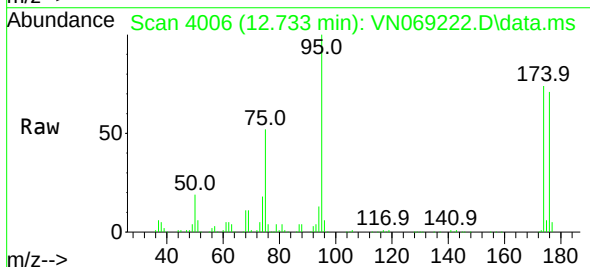
Instrument :
 MSVOA_N
 ClientSampleId :

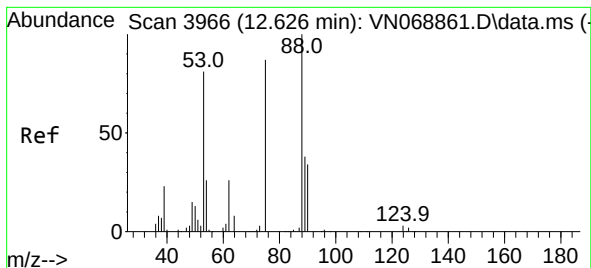
Tgt Ion:152 Resp: 212735
 Ion Ratio Lower Upper
 152 100
 115 63.2 31.4 94.3
 150 158.0 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 31.108 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN069222.D
 Acq: 27 Oct 2021 16:47

Tgt Ion: 75 Resp: 140809
 Ion Ratio Lower Upper
 75 100
 77 0.9 96.2 288.4#

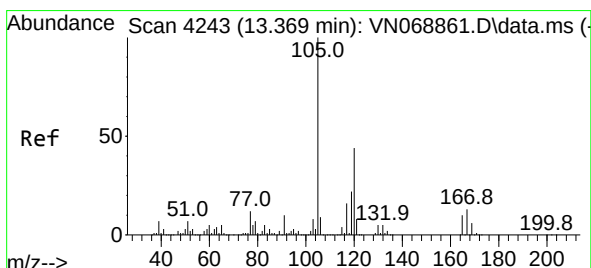
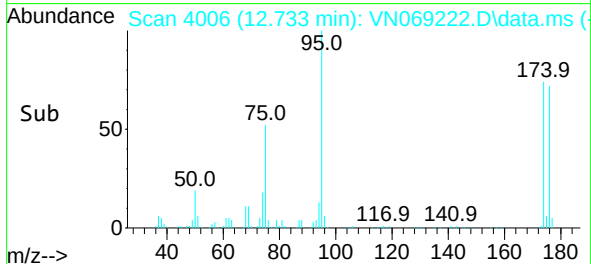
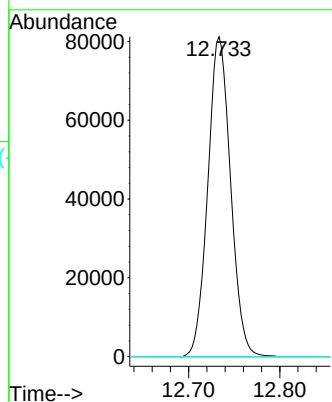
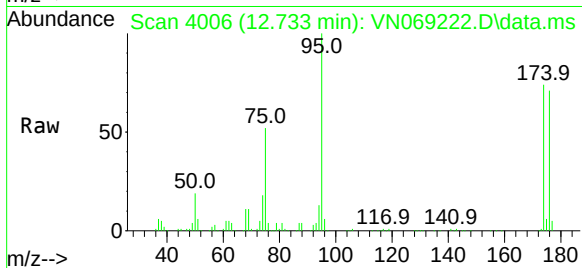




#81
trans-1,4-Dichloro-2-butene
Concen: 74.425 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069222.D
Acq: 27 Oct 2021 16:47

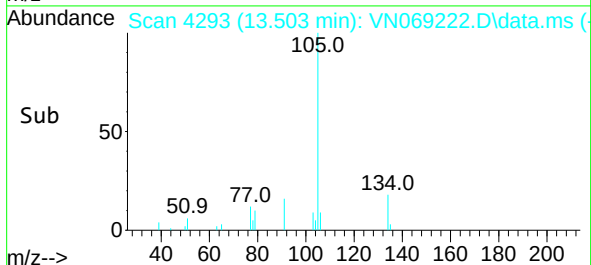
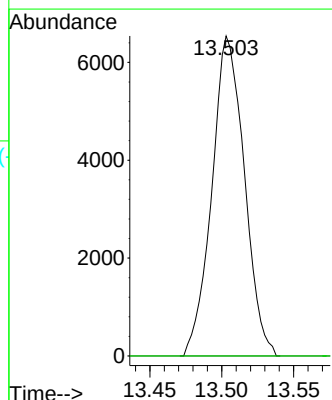
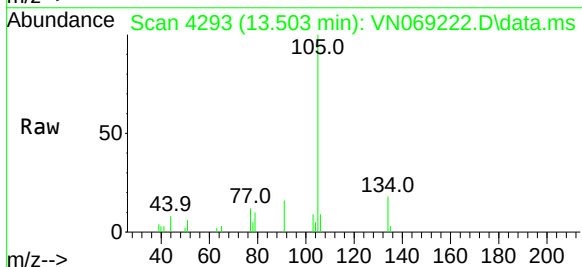
Instrument :
MSVOA_N
ClientSampleId :

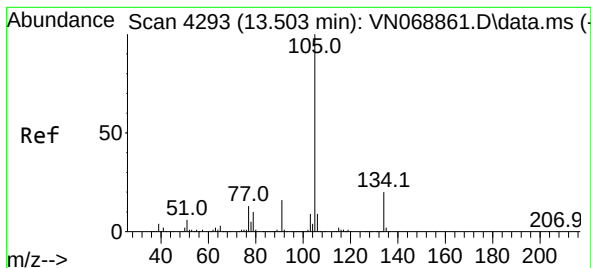
Tgt Ion: 75 Resp: 140809
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.723 ug/l
RT: 13.503 min Scan# 4293
Delta R.T. 0.134 min
Lab File: VN069222.D
Acq: 27 Oct 2021 16:47

Tgt Ion:105 Resp: 10278
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.5#

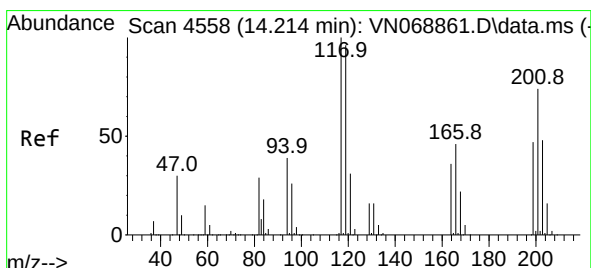
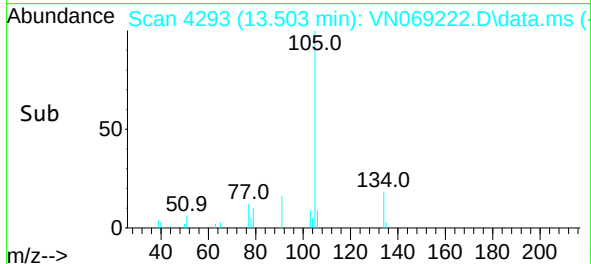
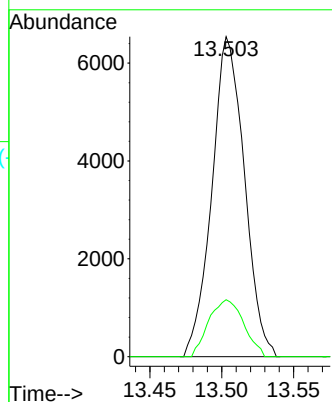
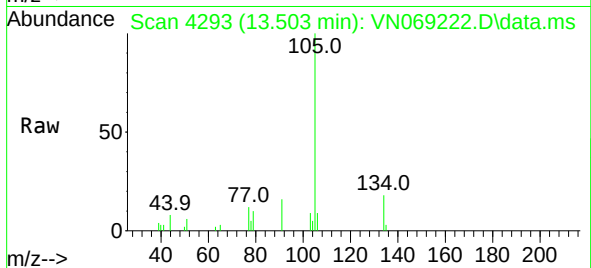




#85
 sec-Butylbenzene
 Concen: 0.578 ug/l
 RT: 13.503 min Scan# 4293
 Delta R.T. -0.000 min
 Lab File: VN069222.D
 Acq: 27 Oct 2021 16:47

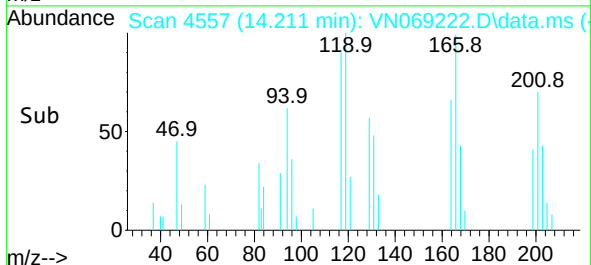
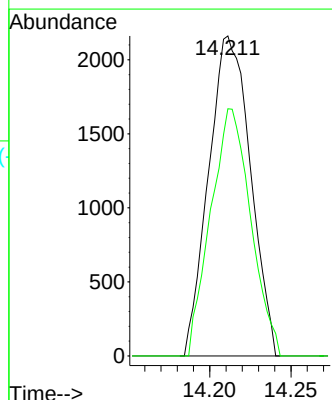
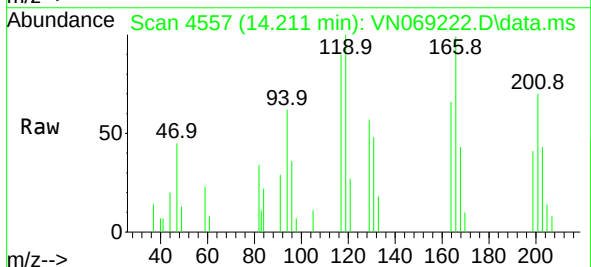
Instrument :
 MSVOA_N
 ClientSampleId :

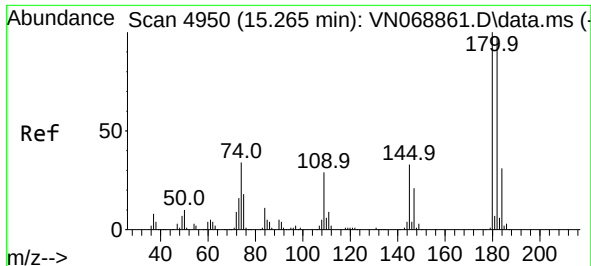
Tgt Ion:105 Resp: 10278
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.8 29.4



#90
 Hexachloroethane
 Concen: 1.289 ug/l
 RT: 14.211 min Scan# 4557
 Delta R.T. -0.003 min
 Lab File: VN069222.D
 Acq: 27 Oct 2021 16:47

Tgt Ion:117 Resp: 3862
 Ion Ratio Lower Upper
 117 100
 201 74.1 37.1 111.5

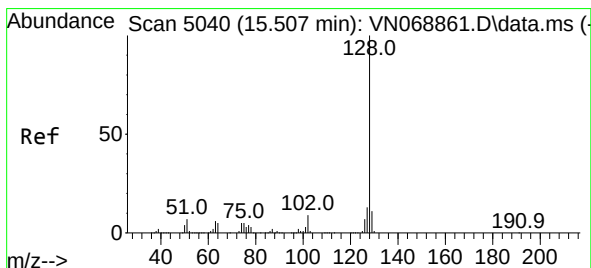
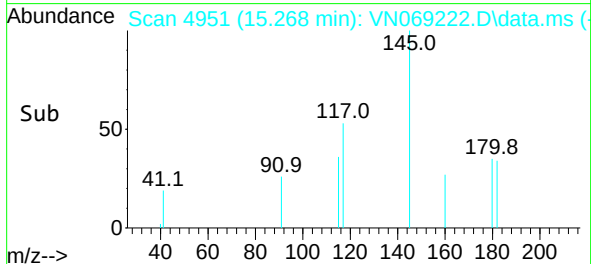
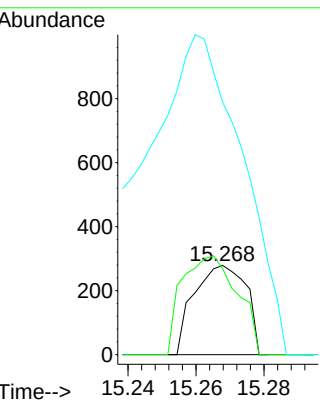
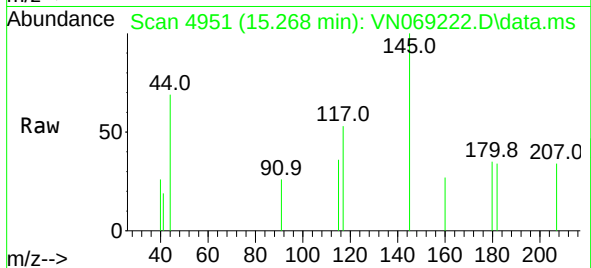




#93
1,2,4-Trichlorobenzene
Concen: 2.680 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069222.D
Acq: 27 Oct 2021 16:47

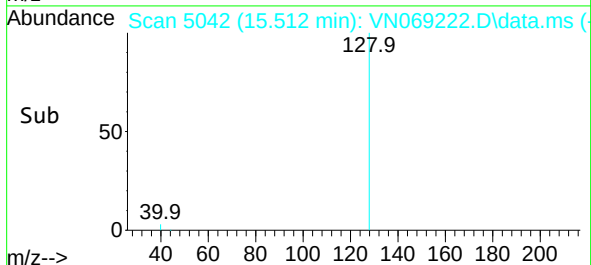
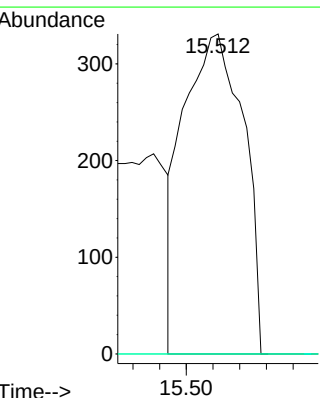
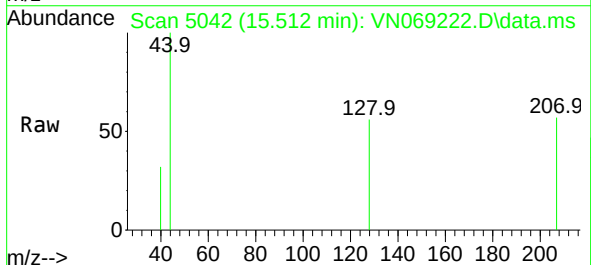
Instrument :
MSVOA_N
ClientSampled :

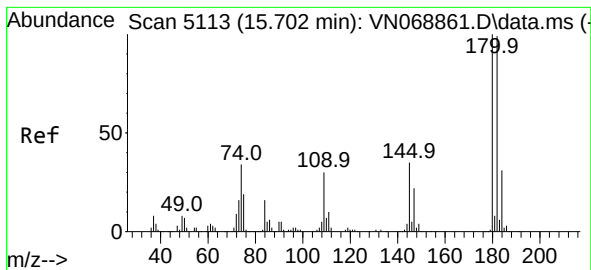
Tgt Ion:180 Resp: 296
Ion Ratio Lower Upper
180 100
182 117.9 47.9 143.7
145 789.5 16.4 49.2#



#95
Naphthalene
Concen: 3.860 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069222.D
Acq: 27 Oct 2021 16:47

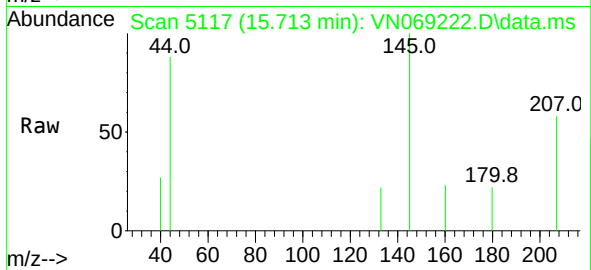
Tgt Ion:128 Resp: 517
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.521 ug/l
 RT: 15.713 min Scan# 5117
 Delta R.T. 0.011 min
 Lab File: VN069222.D
 Acq: 27 Oct 2021 16:47

Instrument :
 MSVOA_N
 ClientSampled :



Tgt Ion:180 Resp: 25
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.1 144.3#
 145 0.0 17.4 52.2#

