

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102721\
 Data File : VN069187.D
 Acq On : 26 Oct 2021 15:54
 Operator : JC/MD
 Sample : M4337-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 27 06:56:00 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)

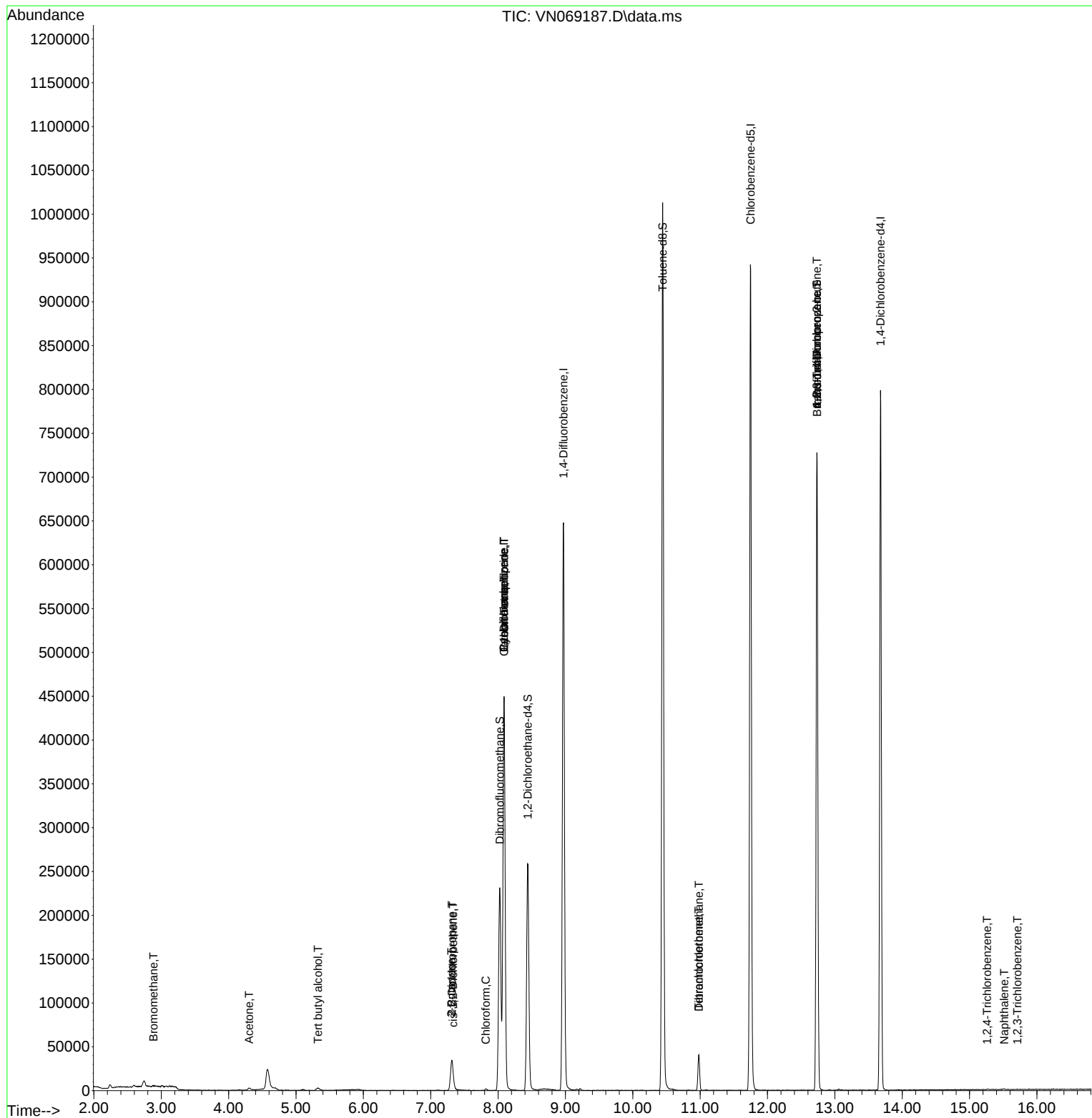
Internal Standards						
1) Pentafluorobenzene	8.088	168	337186	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	587231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	560296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	211221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	222242	49.991	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.980%
35) Dibromofluoromethane	8.027	113	172868	50.597	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.200%
50) Toluene-d8	10.443	98	729190	53.341	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.680%
62) 4-Bromofluorobenzene	12.733	95	259533	50.320	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.640%
Target Compounds						
					Qvalue	
5) Bromomethane	2.882	94	764	0.332	ug/l	90
11) Tert butyl alcohol	5.326	59	2873	3.537	ug/l #	72
16) Acetone	4.304	43	4391	2.647	ug/l	96
25) 2-Butanone	7.308	43	918	0.366	ug/l #	48
26) 2,2-Dichloropropane	7.313	77	2124	0.338	ug/l #	53
27) cis-1,2-Dichloroethene	7.332	96	2412	0.567	ug/l	77
30) Chloroform	7.817	83	2069	0.297	ug/l	85
31) Cyclohexane	8.088	56	7818	1.131	ug/l #	10
36) 1,1-Dichloropropene	8.088	75	27606	5.504	ug/l #	43
38) Carbon Tetrachloride	8.091	117	35340	6.415	ug/l #	15
60) Dibromochloromethane	10.982	129	9376	2.144	ug/l #	10
64) Tetrachloroethene	10.979	164	9147	2.534	ug/l	99
71) Bromoform	12.736	173	1073	0.323	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	138689	30.860	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	138689	73.830	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.262	180	341	2.693	ug/l #	44
95) Naphthalene	15.515	128	1158	3.921	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.708	180	129	2.550	ug/l #	58

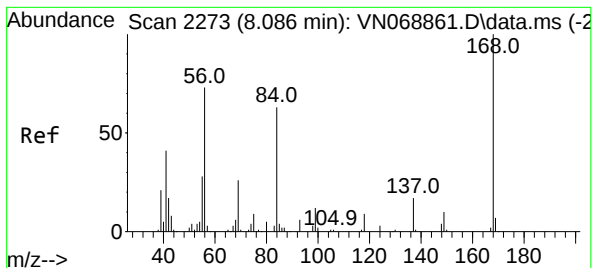
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN069187.D

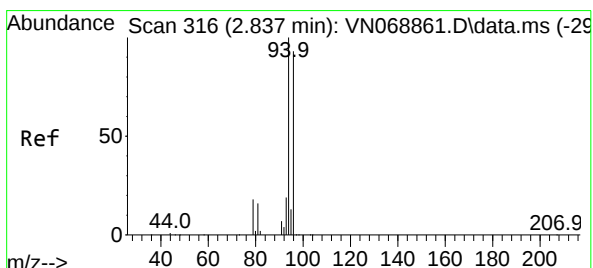
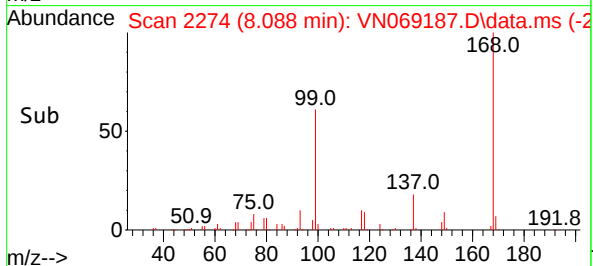
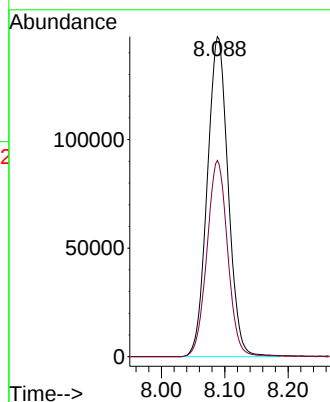
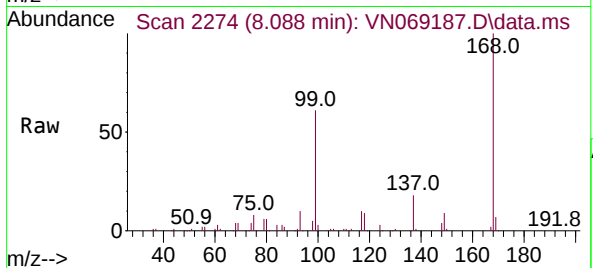
Acq: 26 Oct 2021 15:54

Tgt Ion:168 Resp: 337186

Ion Ratio Lower Upper

168 100

99 61.3 48.9 73.3



#5

Bromomethane

Concen: 0.332 ug/l

RT: 2.882 min Scan# 333

Delta R.T. 0.046 min

Lab File: VN069187.D

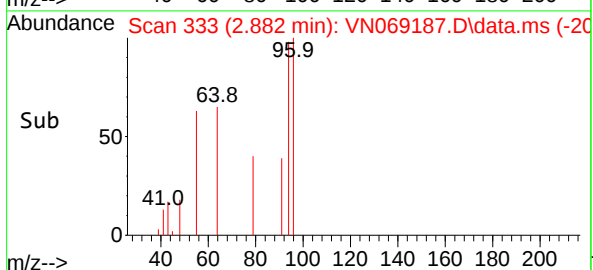
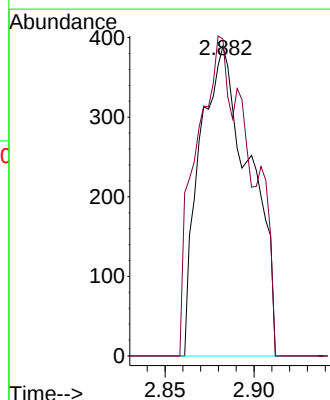
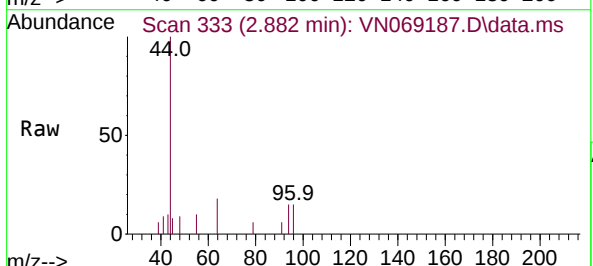
Acq: 26 Oct 2021 15:54

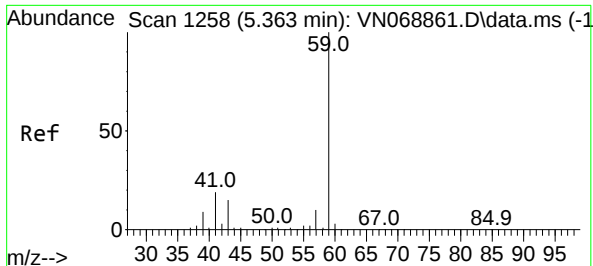
Tgt Ion: 94 Resp: 764

Ion Ratio Lower Upper

94 100

96 102.3 74.2 111.4



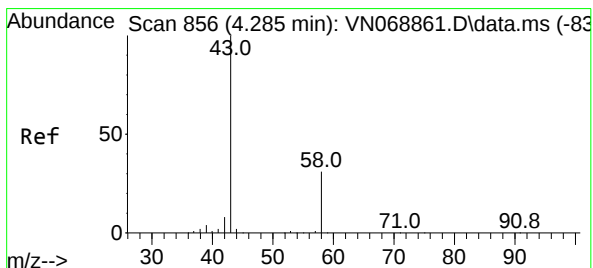
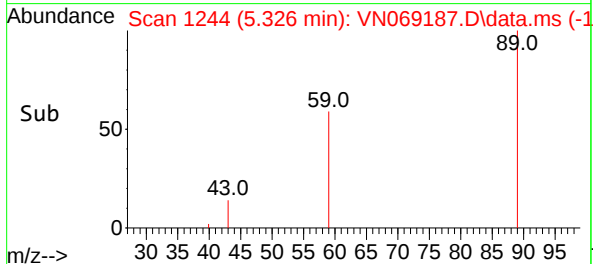
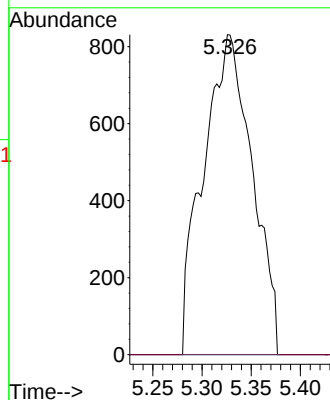
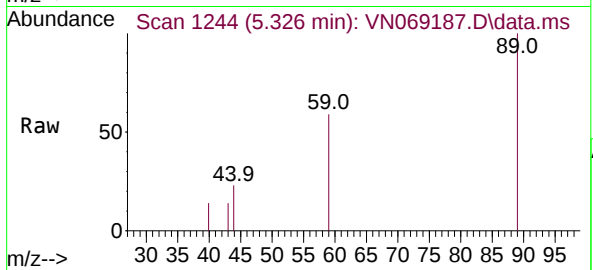


#11

Tert butyl alcohol
Concen: 3.537 ug/l
RT: 5.326 min Scan# 1244
Delta R.T. -0.038 min
Lab File: VN069187.D
Acq: 26 Oct 2021 15:54

Instrument :
MSVOA_N
ClientSampled :

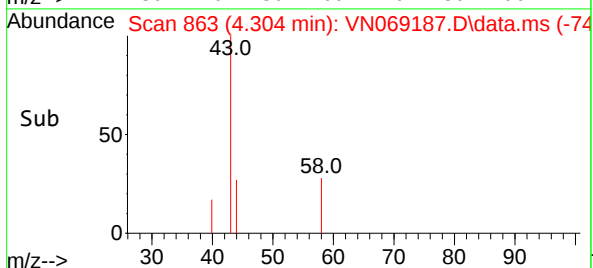
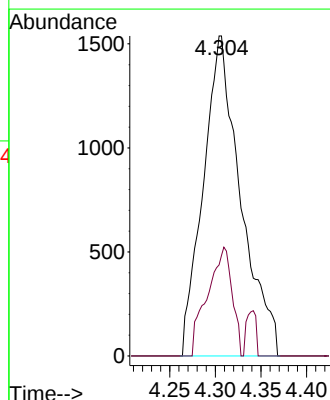
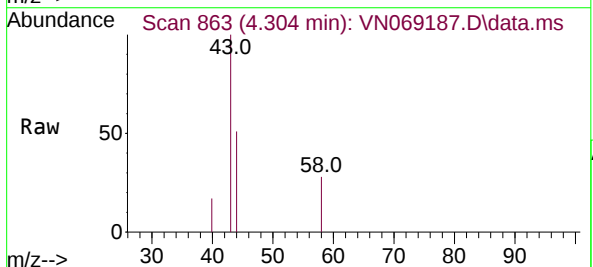
Tgt Ion: 59 Resp: 2873
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16

Acetone
Concen: 2.647 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.019 min
Lab File: VN069187.D
Acq: 26 Oct 2021 15:54

Tgt Ion: 43 Resp: 4391
Ion Ratio Lower Upper
43 100
58 28.5 24.5 36.7

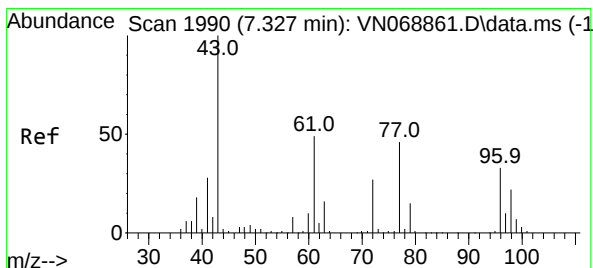
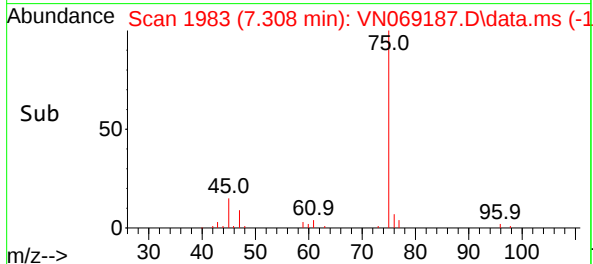
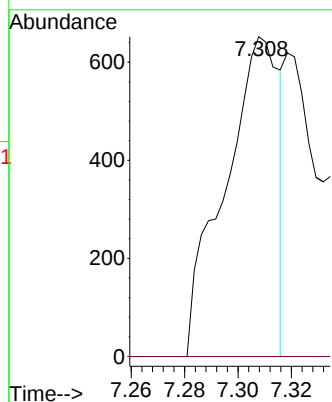
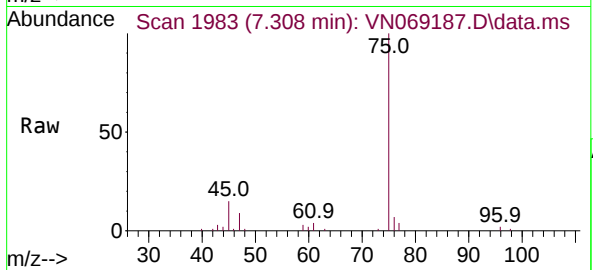




#25
2-Butanone
Concen: 0.366 ug/l
RT: 7.308 min Scan# 1983
Delta R.T. -0.024 min
Lab File: VN069187.D
Acq: 26 Oct 2021 15:54

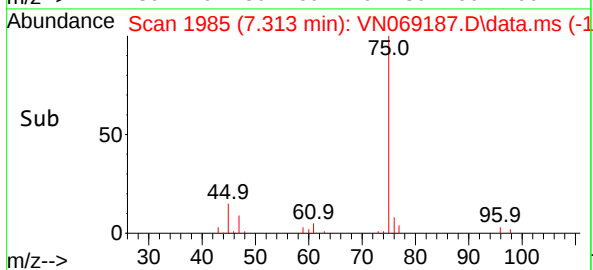
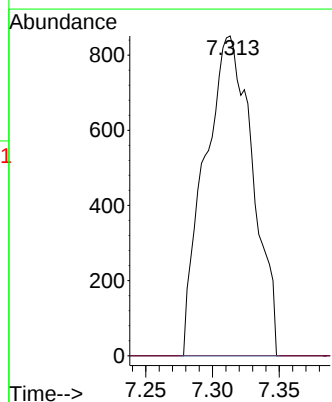
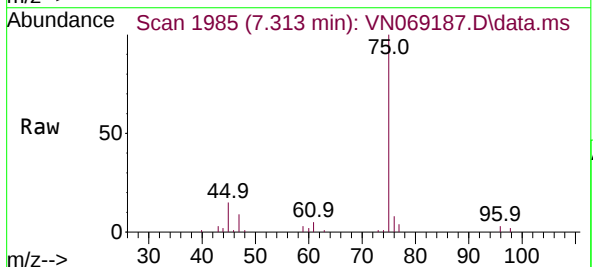
Instrument :
MSVOA_N
ClientSampled :

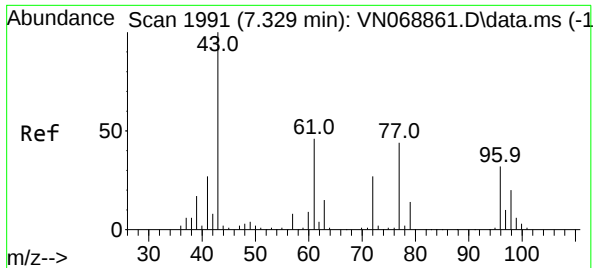
Tgt Ion: 43 Resp: 918
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#26
2,2-Dichloropropane
Concen: 0.338 ug/l
RT: 7.313 min Scan# 1985
Delta R.T. -0.013 min
Lab File: VN069187.D
Acq: 26 Oct 2021 15:54

Tgt Ion: 77 Resp: 2124
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#

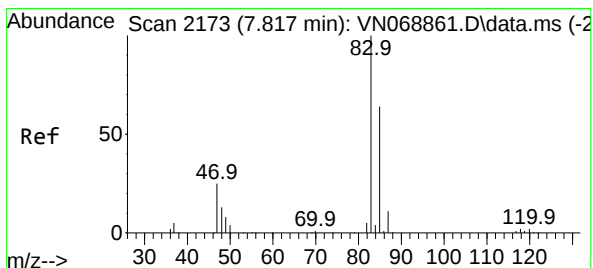
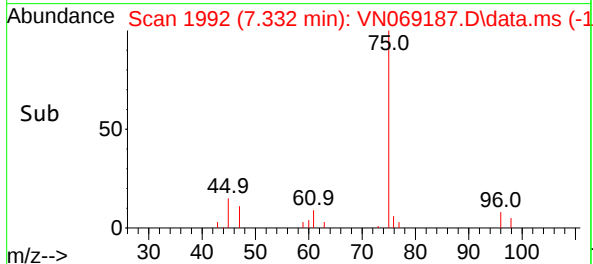
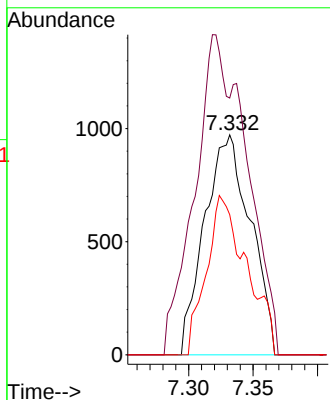
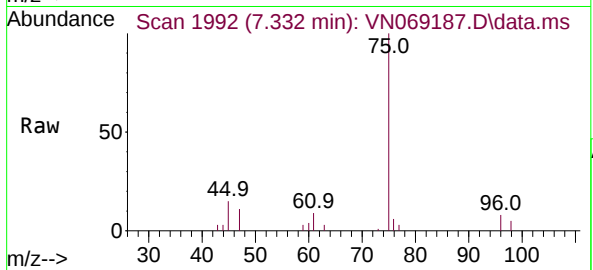




#27
 cis-1,2-Dichloroethene
 Concen: 0.567 ug/l
 RT: 7.332 min Scan# 1992
 Delta R.T. 0.003 min
 Lab File: VN069187.D
 Acq: 26 Oct 2021 15:54

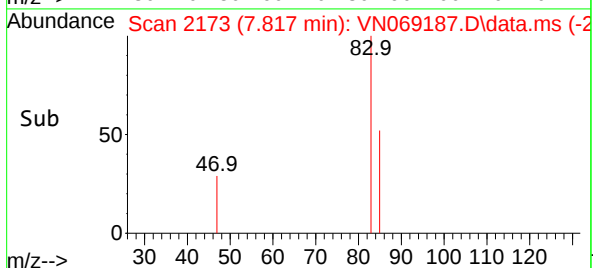
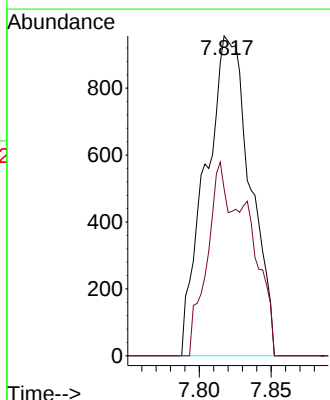
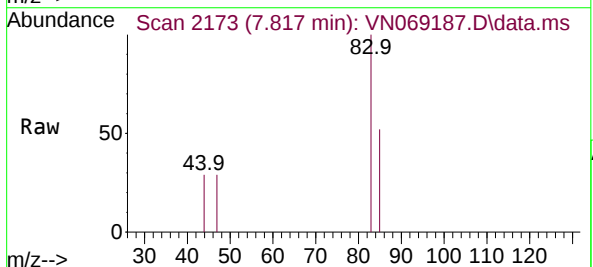
Instrument :
 MSVOA_N
 ClientSampled :

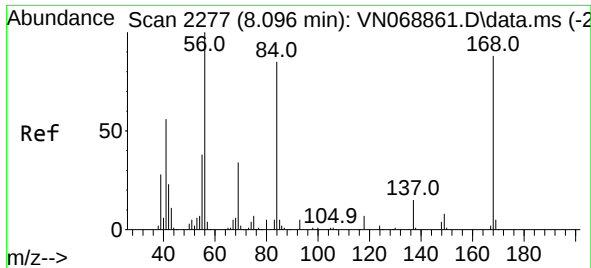
Tgt Ion:	96	Resp:	2412
Ion	Ratio	Lower	Upper
96	100		
61	104.4	0.0	290.6
98	63.1	0.0	127.2



#30
 Chloroform
 Concen: 0.297 ug/l
 RT: 7.817 min Scan# 2173
 Delta R.T. -0.000 min
 Lab File: VN069187.D
 Acq: 26 Oct 2021 15:54

Tgt Ion:	83	Resp:	2069
Ion	Ratio	Lower	Upper
83	100		
85	52.2	51.1	76.7

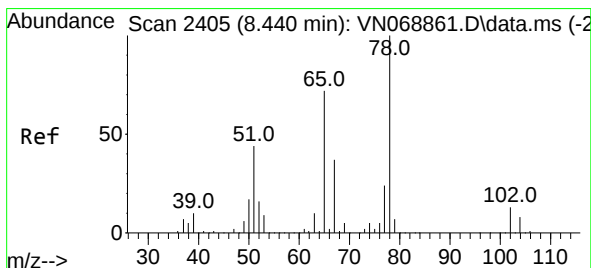
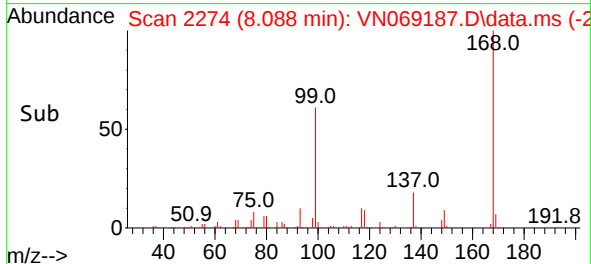
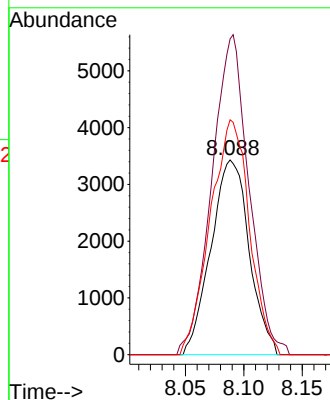
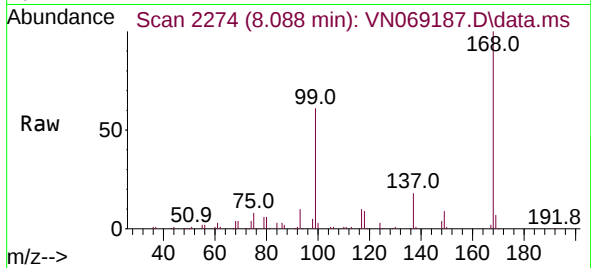




#31
Cyclohexane
Concen: 1.131 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069187.D
Acq: 26 Oct 2021 15:54

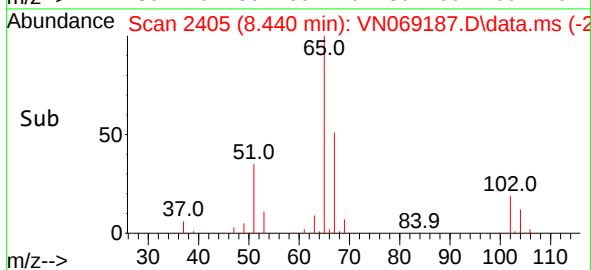
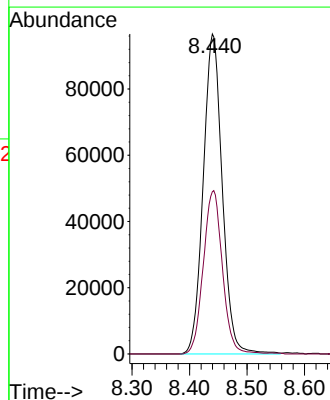
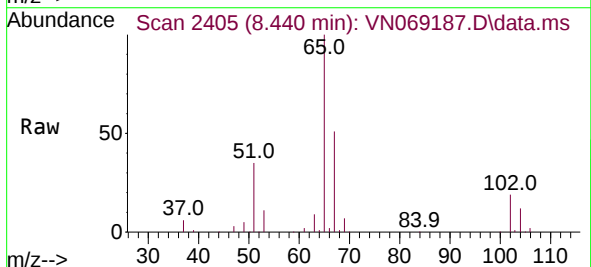
Instrument :
MSVOA_N
ClientSampled :

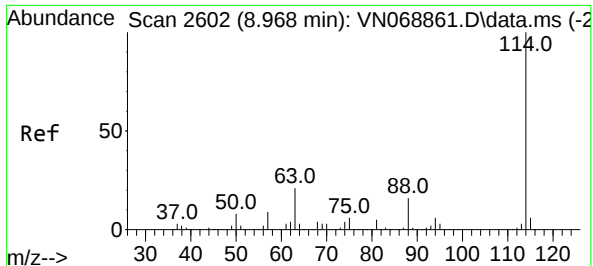
Tgt Ion: 56 Resp: 7818
Ion Ratio Lower Upper
56 100
69 157.5 26.9 40.3#
84 120.6 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.991 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069187.D
Acq: 26 Oct 2021 15:54

Tgt Ion: 65 Resp: 222242
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.8

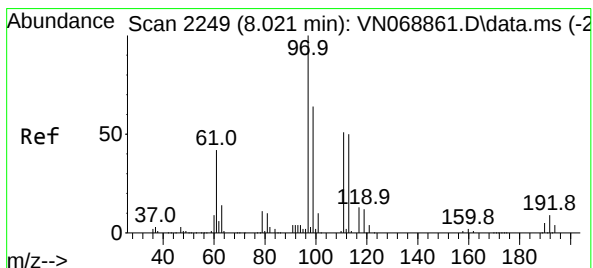
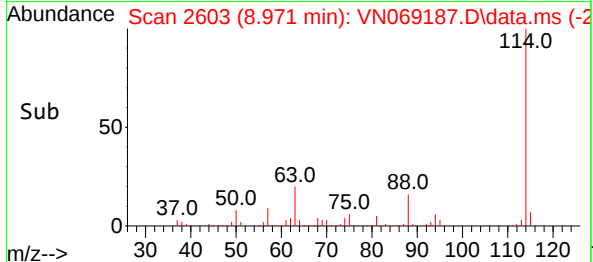
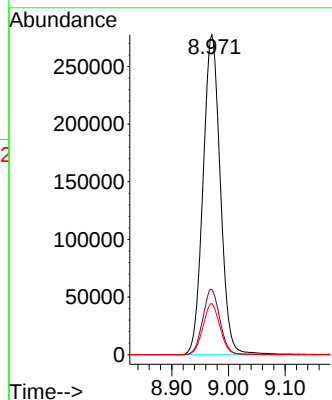
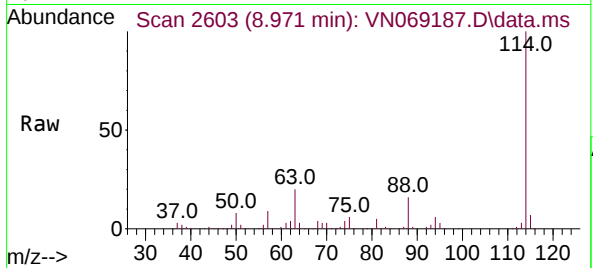




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069187.D
Acq: 26 Oct 2021 15:54

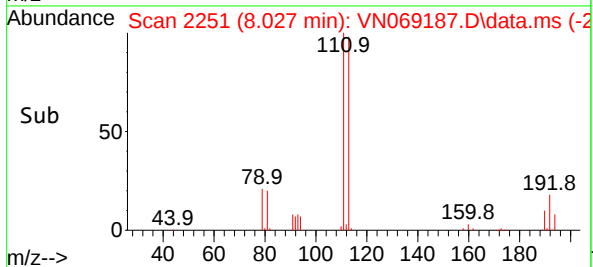
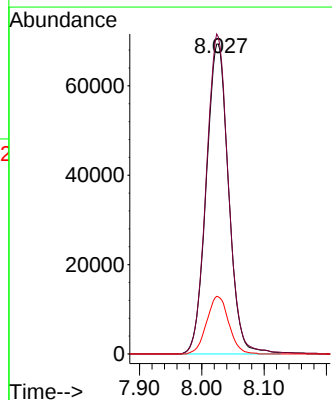
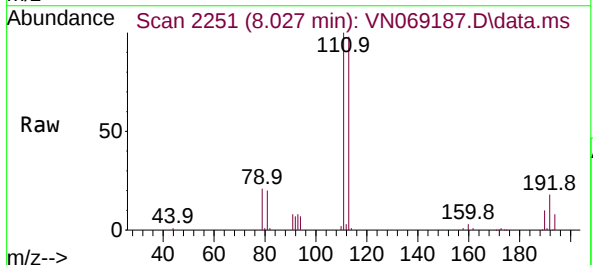
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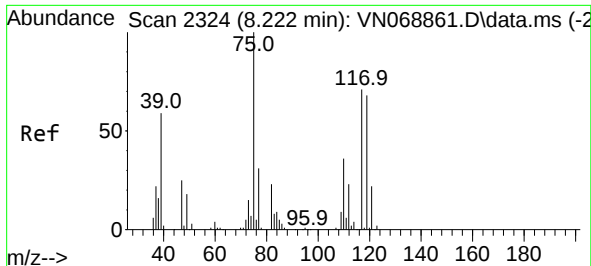
Tgt Ion:114	Resp: 587231
Ion Ratio	Lower Upper
114	100
63	20.4 0.0 42.6
88	15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.597 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.005 min
Lab File: VN069187.D
Acq: 26 Oct 2021 15:54

Tgt Ion:113	Resp: 172868
Ion Ratio	Lower Upper
113	100
111	102.3 83.2 124.8
192	18.4 15.0 22.4

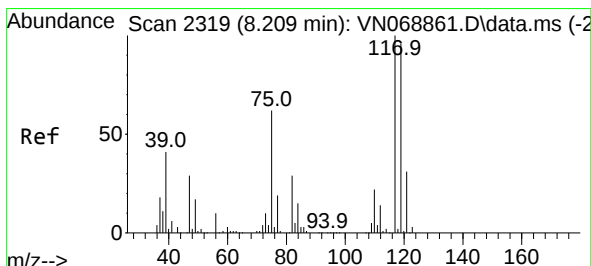
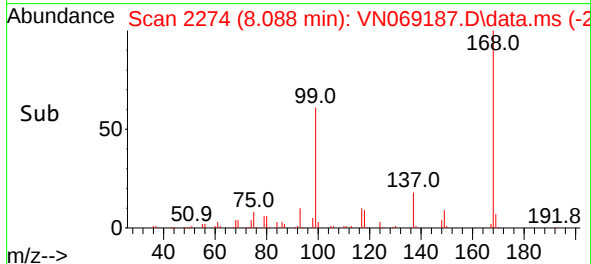
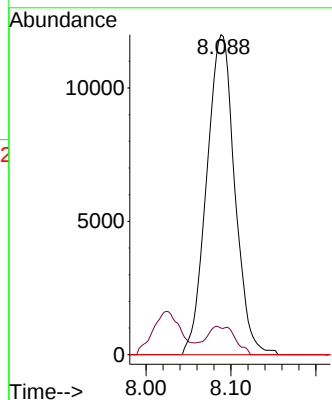
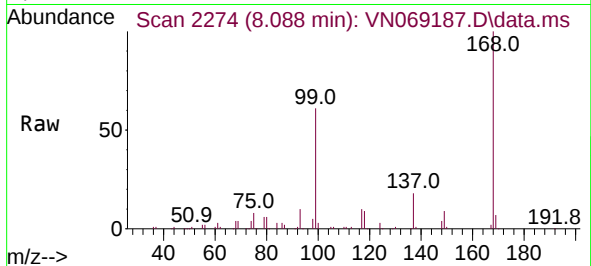




#36
1,1-Dichloropropene
Concen: 5.504 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069187.D
Acq: 26 Oct 2021 15:54

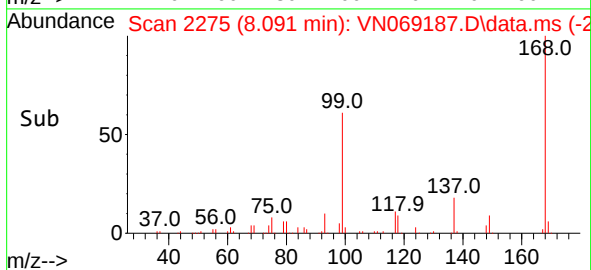
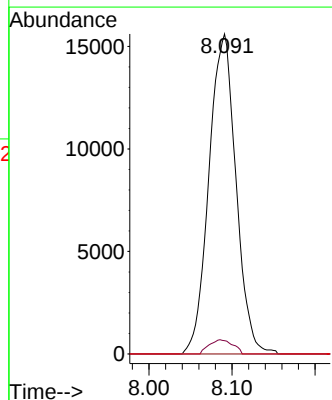
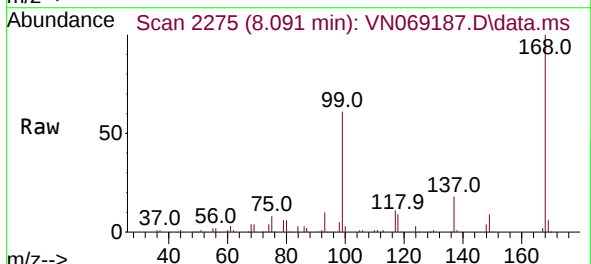
Instrument :
MSVOA_N
ClientSampled :

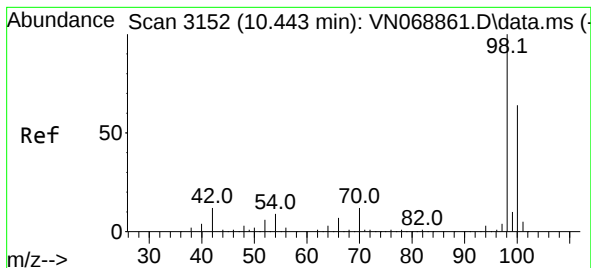
Tgt Ion: 75 Resp: 27606
Ion Ratio Lower Upper
75 100
110 2.3 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.415 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN069187.D
Acq: 26 Oct 2021 15:54

Tgt Ion: 117 Resp: 35340
Ion Ratio Lower Upper
117 100
119 4.2 76.9 115.3#
121 0.0 24.6 37.0#

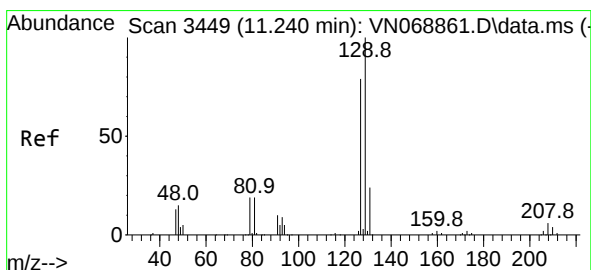
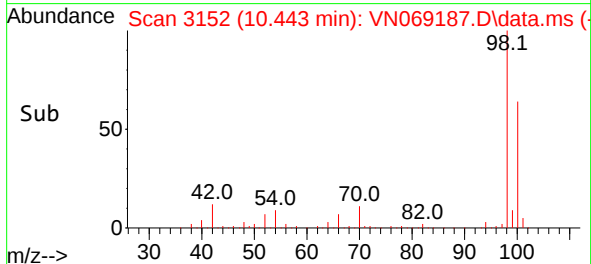
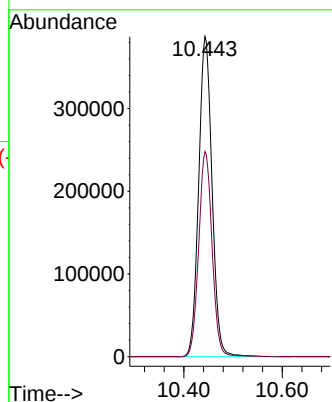
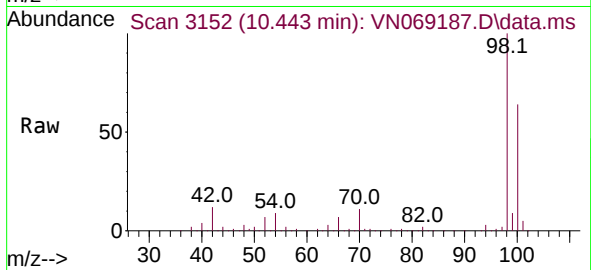




#50
Toluene-d8
Concen: 53.341 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069187.D
Acq: 26 Oct 2021 15:54

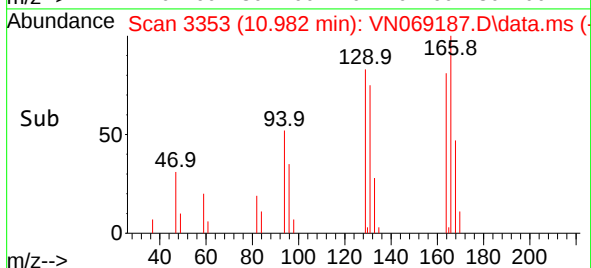
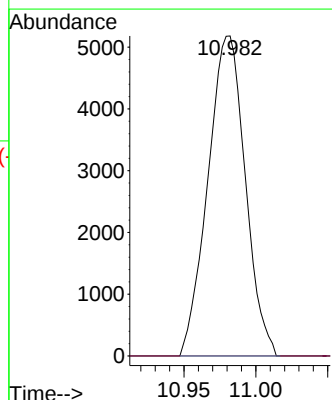
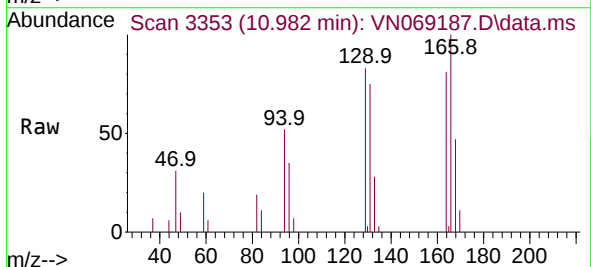
Instrument :
MSVOA_N
ClientSampled :

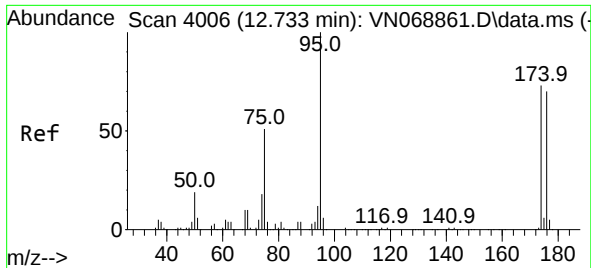
Tgt Ion: 98 Resp: 729190
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



#60
Dibromochloromethane
Concen: 2.144 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.258 min
Lab File: VN069187.D
Acq: 26 Oct 2021 15:54

Tgt Ion:129 Resp: 9376
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#

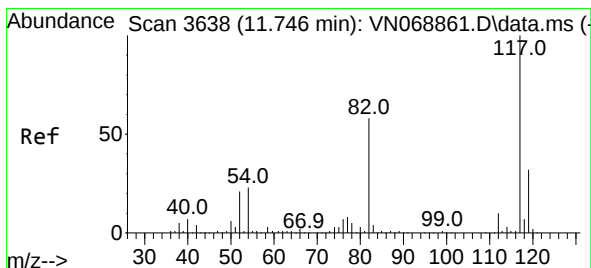
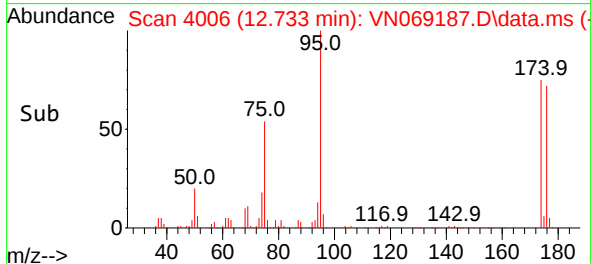
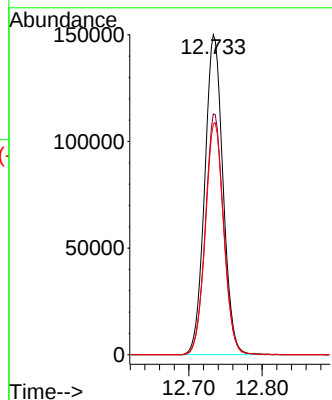
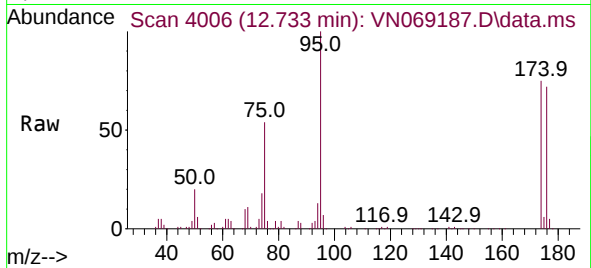




#62
4-Bromofluorobenzene
Concen: 50.320 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069187.D
Acq: 26 Oct 2021 15:54

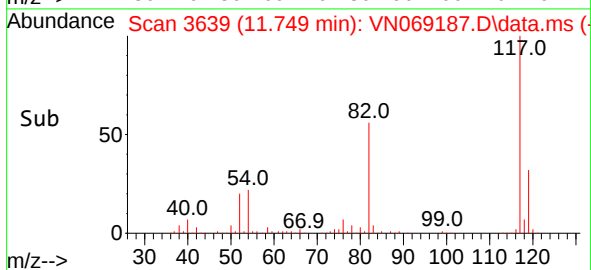
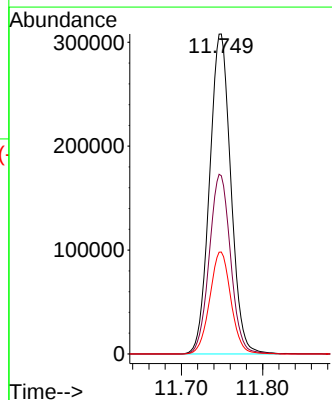
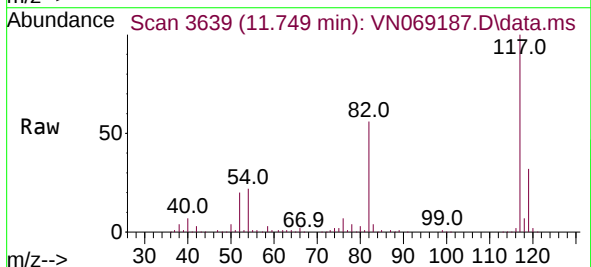
Instrument :
MSVOA_N
ClientSampleId :

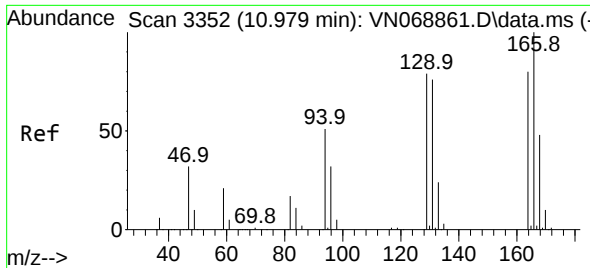
Tgt Ion: 95 Resp: 259533
Ion Ratio Lower Upper
95 100
174 75.3 0.0 144.8
176 72.9 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN069187.D
Acq: 26 Oct 2021 15:54

Tgt Ion: 117 Resp: 560296
Ion Ratio Lower Upper
117 100
82 55.7 46.4 69.6
119 31.8 26.0 39.0



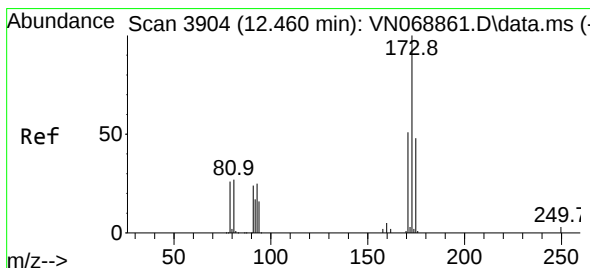
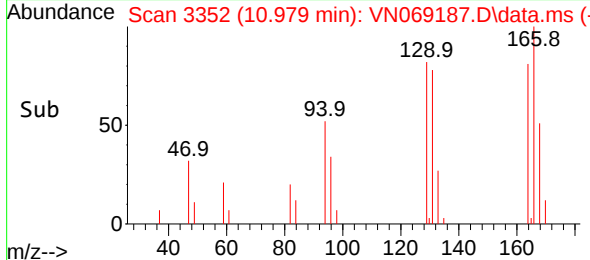
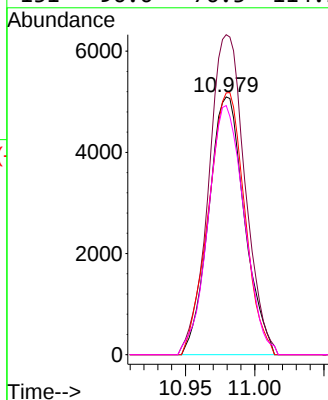
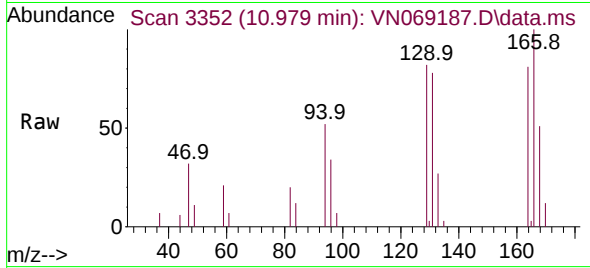


#64
Tetrachloroethene
Concen: 2.534 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.000 min
Lab File: VN069187.D
Acq: 26 Oct 2021 15:54

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:164 Resp: 9147

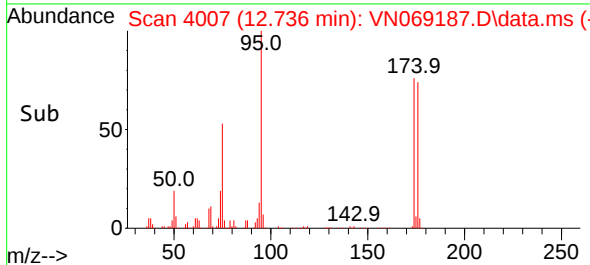
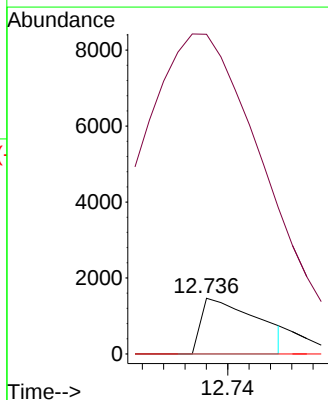
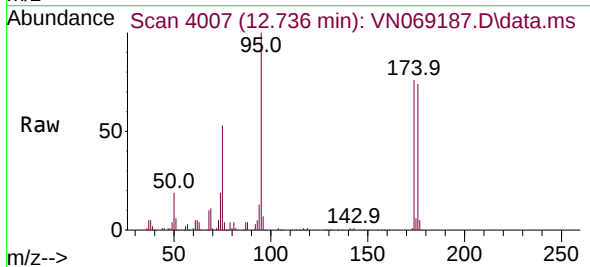
Ion	Ratio	Lower	Upper
164	100		
166	124.1	99.8	149.8
129	101.5	79.2	118.8
131	96.6	76.3	114.5

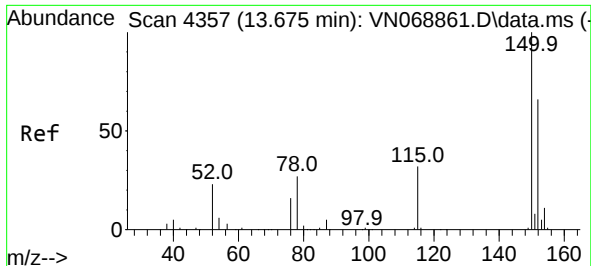


#71
Bromoform
Concen: 0.323 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN069187.D
Acq: 26 Oct 2021 15:54

Tgt Ion:173 Resp: 1073

Ion	Ratio	Lower	Upper
173	100		
175	1254.4	23.8	71.5#
254	0.0	0.0	0.0

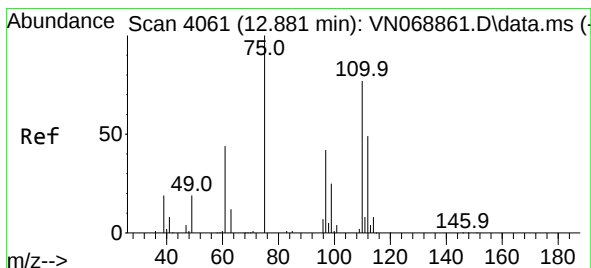
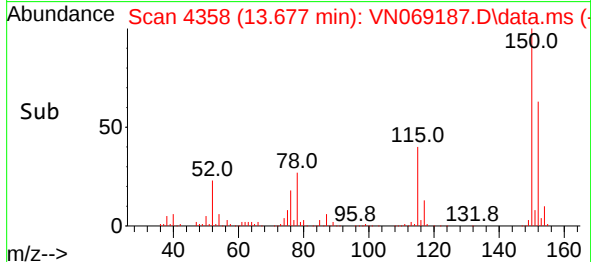
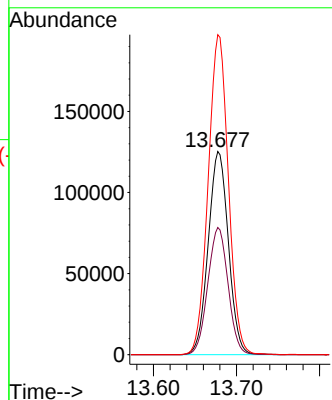
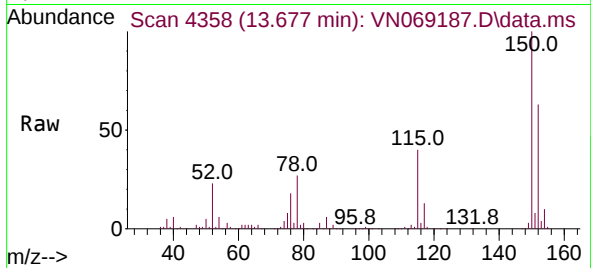




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN069187.D
 Acq: 26 Oct 2021 15:54

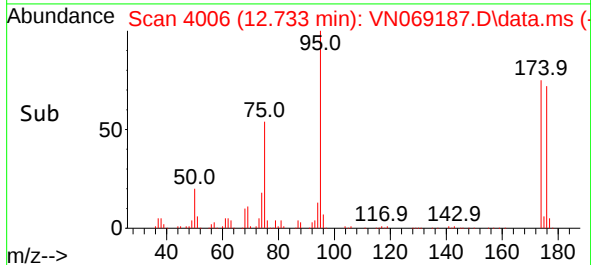
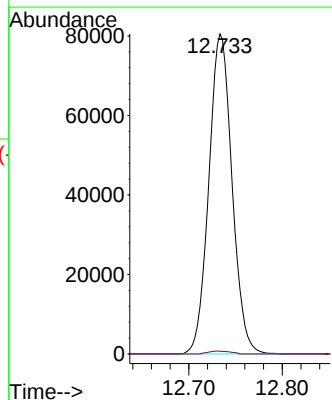
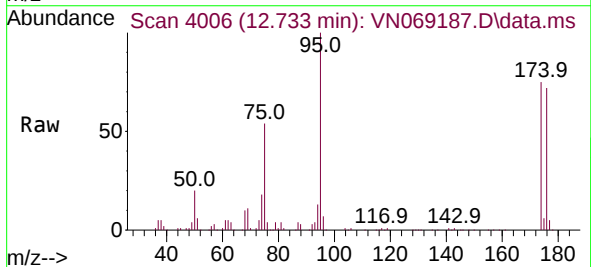
Instrument :
 MSVOA_N
 ClientSampled :

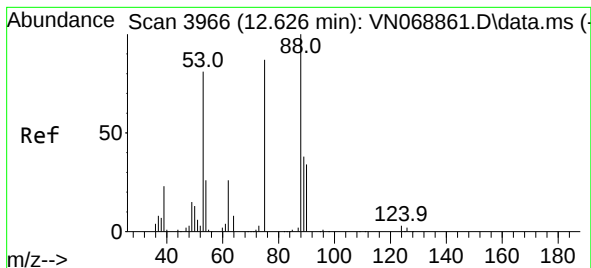
Tgt Ion:152 Resp: 211221
 Ion Ratio Lower Upper
 152 100
 115 62.8 31.4 94.3
 150 157.6 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 30.860 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN069187.D
 Acq: 26 Oct 2021 15:54

Tgt Ion: 75 Resp: 138689
 Ion Ratio Lower Upper
 75 100
 77 0.9 96.2 288.4#

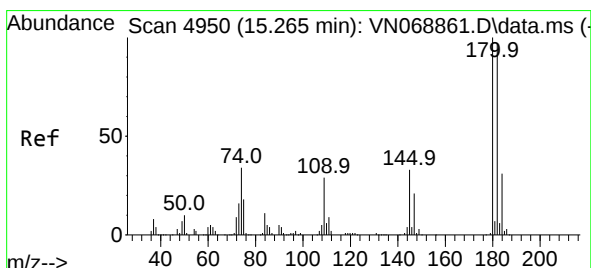
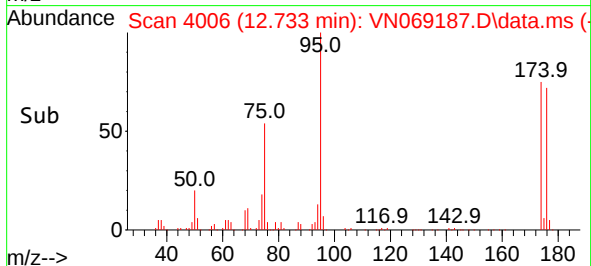
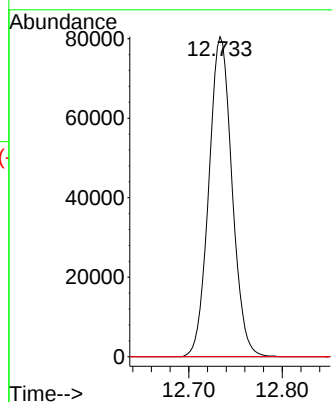
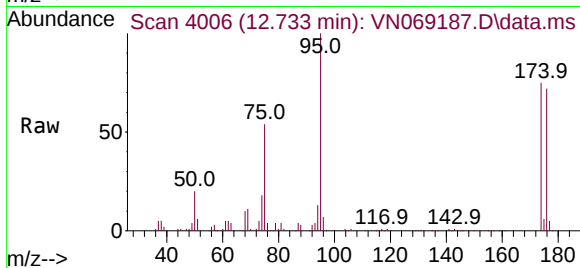




#81
trans-1,4-Dichloro-2-butene
Concen: 73.830 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069187.D
Acq: 26 Oct 2021 15:54

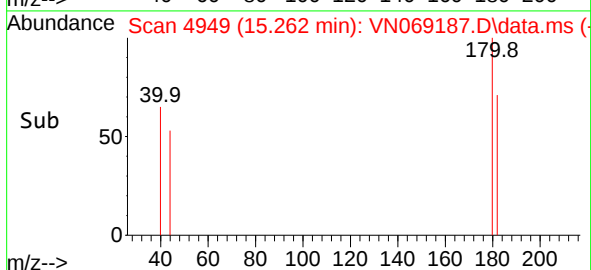
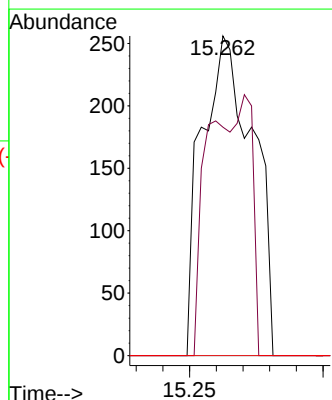
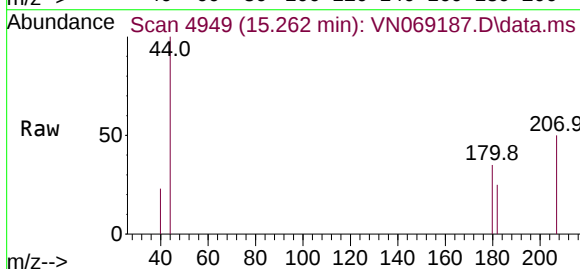
Instrument :
MSVOA_N
ClientSampled :

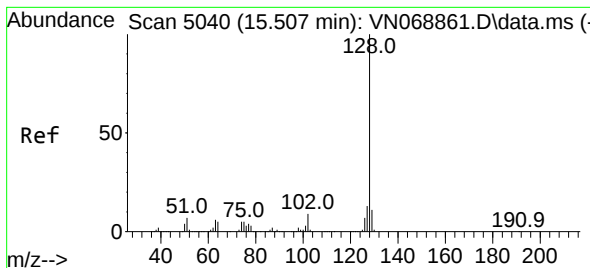
Tgt Ion: 75 Resp: 138689
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.693 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN069187.D
Acq: 26 Oct 2021 15:54

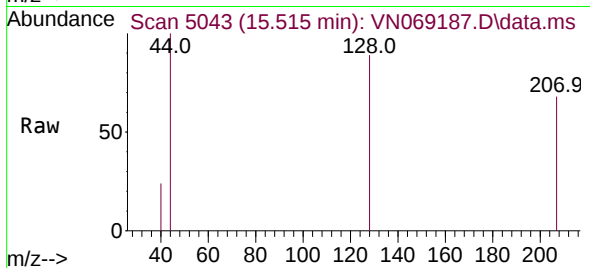
Tgt Ion:180 Resp: 341
Ion Ratio Lower Upper
180 100
182 41.6 47.9 143.7#
145 0.0 16.4 49.2#



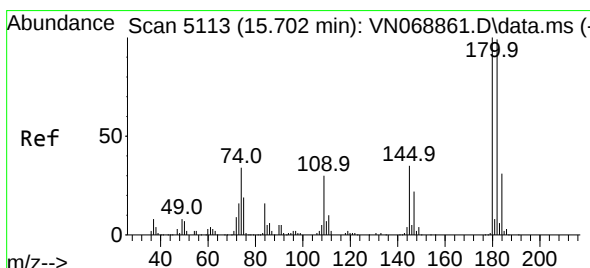
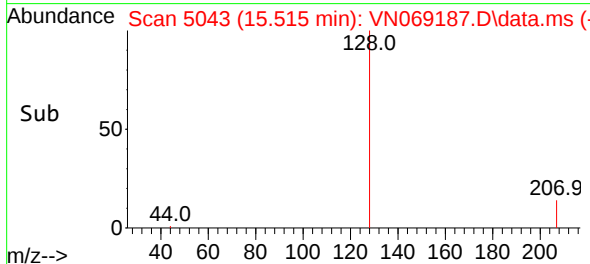
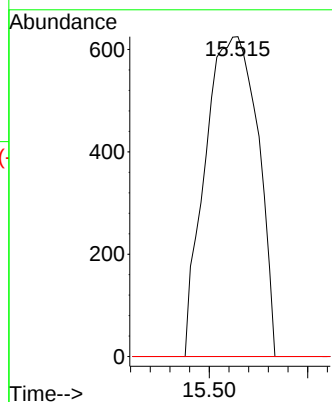


#95
Naphthalene
Concen: 3.921 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN069187.D
Acq: 26 Oct 2021 15:54

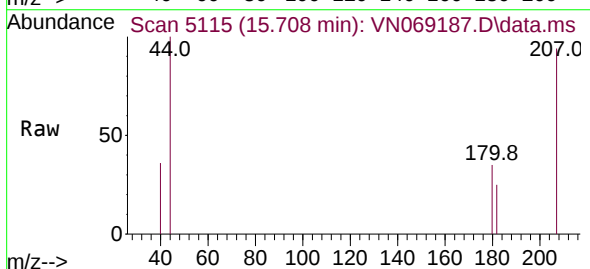
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1158
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: 2.550 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN069187.D
Acq: 26 Oct 2021 15:54



Tgt Ion:180 Resp: 129
Ion Ratio Lower Upper
180 100
182 61.2 48.1 144.3
145 0.0 17.4 52.2#

