

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062321\
 Data File : VN067462.D
 Acq On : 23 Jun 2021 17:16
 Operator : JC/MD
 Sample : M2804-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 24 05:04:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 05:19:42 2021
 Response via : Initial Calibration

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

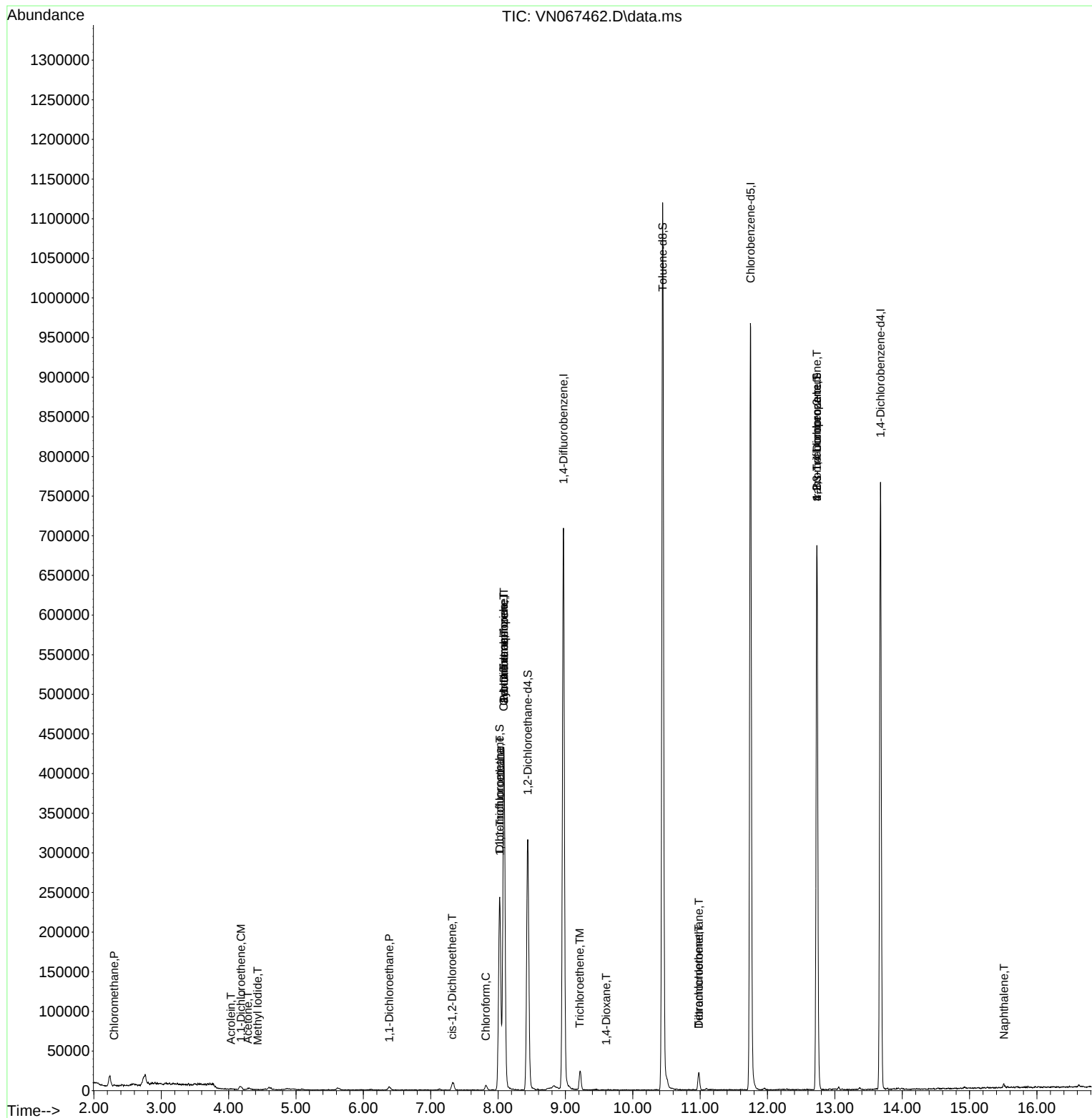
Internal Standards						
1) Pentafluorobenzene	8.086	168	273336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	574334	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	515523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	172849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	258361	47.914	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.820%		
35) Dibromofluoromethane	8.024	113	172615	45.190	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	90.380%		
50) Toluene-d8	10.443	98	772302	52.751	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.500%		
62) 4-Bromofluorobenzene	12.733	95	254959	42.198	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	84.400%		
Target Compounds						Qvalue
3) Chloromethane	2.301	50	900	0.217	ug/l #	77
10) Methyl Iodide	4.430	142	207	6.795	ug/l #	33
12) 1,1-Dichloroethene	4.183	96	1349	0.412	ug/l #	73
13) Acrolein	4.036	56	564	1.018	ug/l #	66
16) Acetone	4.285	43	1405	0.679	ug/l	94
24) 1,1-Dichloroethane	6.382	63	7073	0.939	ug/l #	85
27) cis-1,2-Dichloroethene	7.318	96	3267	0.764	ug/l #	2
30) Chloroform	7.817	83	3158	0.399	ug/l	97
31) Cyclohexane	8.088	56	10025	1.368	ug/l #	17
32) 1,1,1-Trichloroethane	8.027	97	3006	0.414	ug/l #	52
36) 1,1-Dichloropropene	8.086	75	33548	5.210	ug/l #	51
38) Carbon Tetrachloride	8.083	117	33448	4.833	ug/l #	16
44) Trichloroethene	9.212	130	3861	0.919	ug/l	98
49) 1,4-Dioxane	9.604	88	27	0.353	ug/l #	1
60) Dibromochloromethane	10.982	129	4963	1.039	ug/l #	11
64) Tetrachloroethene	10.979	164	4316	1.179	ug/l	91
76) 1,2,3-Trichloropropane	12.733	75	149136	33.225	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	149136	82.343	ug/l #	6
95) Naphthalene	15.509	128	3939	2.963	ug/l #	94

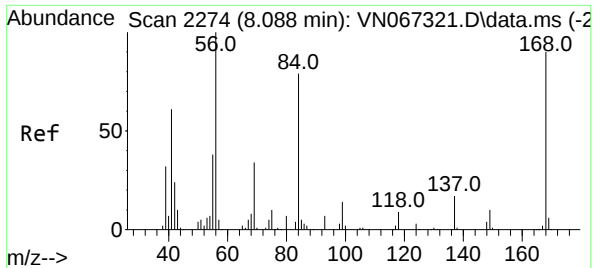
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 15 05:19:42 2021
Response via : Initial Calibration

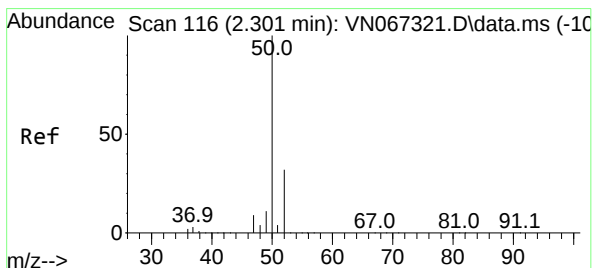
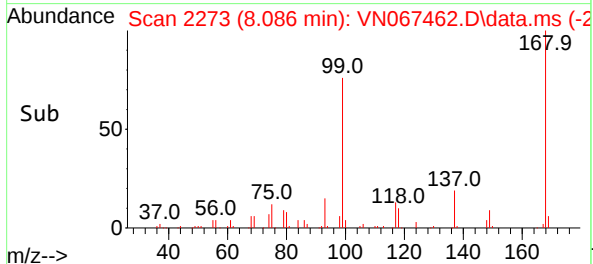
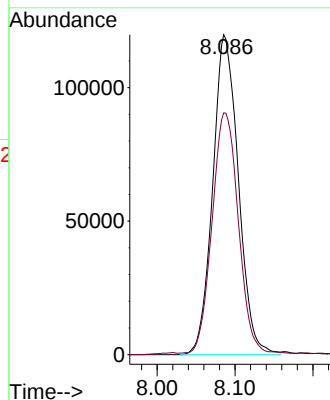
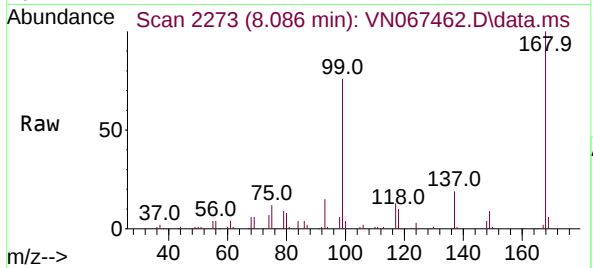




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.002 min
Lab File: VN067462.D
Acq: 23 Jun 2021 17:16

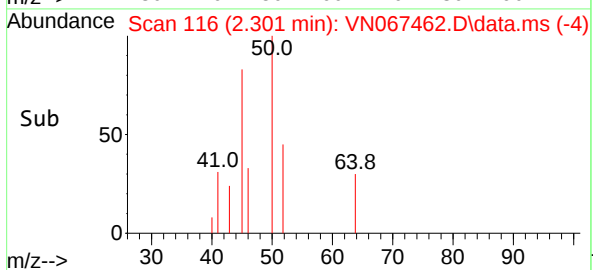
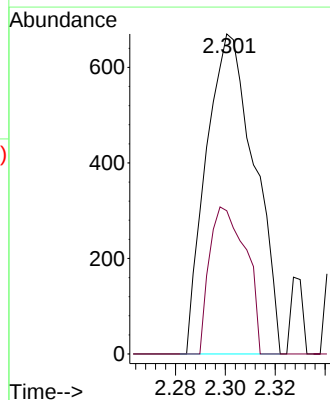
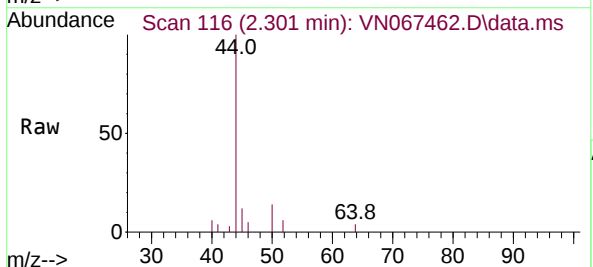
Instrument :
MSVOA_N
ClientSampled :

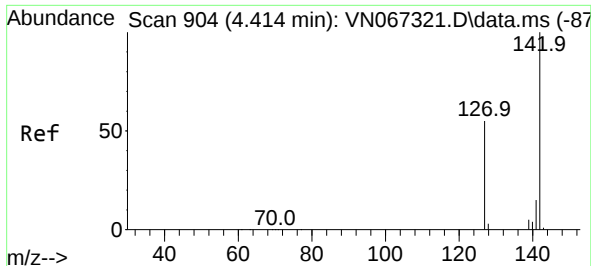
Tgt Ion:168 Resp: 273336
Ion Ratio Lower Upper
168 100
99 75.0 62.9 94.3



#3
Chloromethane
Concen: 0.217 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN067462.D
Acq: 23 Jun 2021 17:16

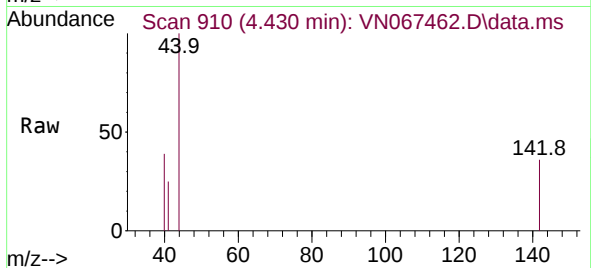
Tgt Ion: 50 Resp: 900
Ion Ratio Lower Upper
50 100
52 44.8 25.6 38.4#



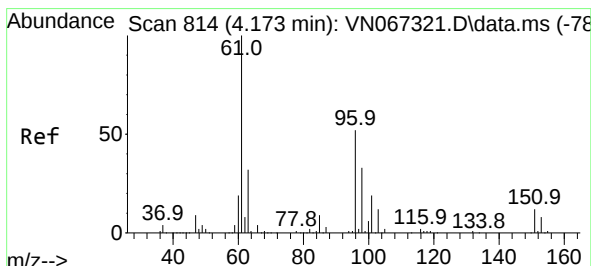
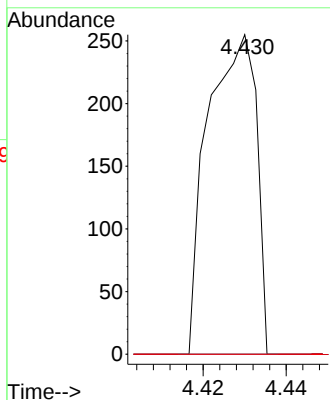
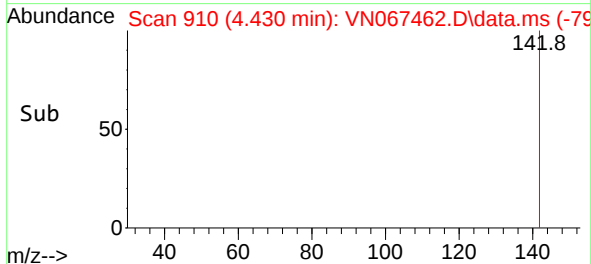


#10
Methyl Iodide
Concen: 6.795 ug/l
RT: 4.430 min Scan# 910
Delta R.T. 0.016 min
Lab File: VN067462.D
Acq: 23 Jun 2021 17:16

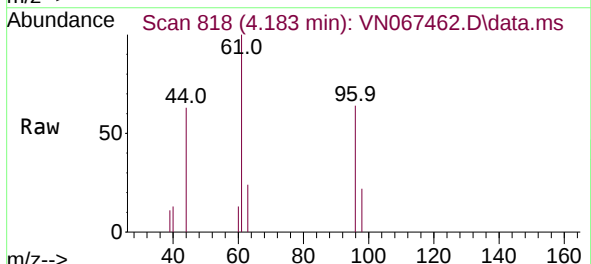
Instrument :
MSVOA_N
ClientSampled :



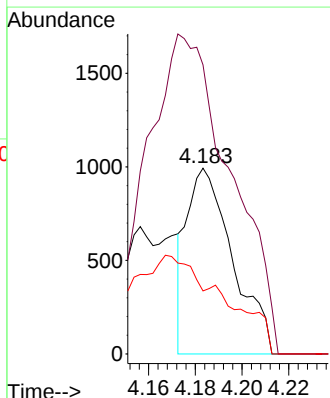
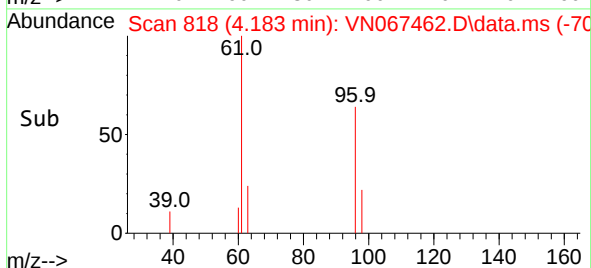
Tgt Ion:142 Resp: 207
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#

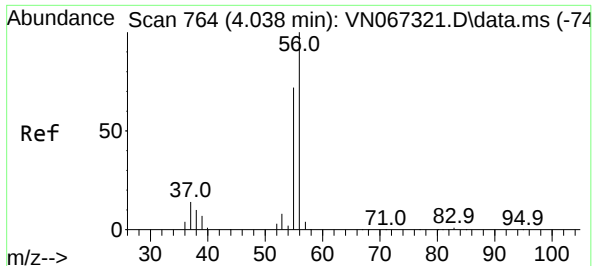


#12
1,1-Dichloroethene
Concen: 0.412 ug/l
RT: 4.183 min Scan# 818
Delta R.T. 0.010 min
Lab File: VN067462.D
Acq: 23 Jun 2021 17:16



Tgt Ion: 96 Resp: 1349
Ion Ratio Lower Upper
96 100
61 155.6 152.6 229.0
98 33.9 50.9 76.3#

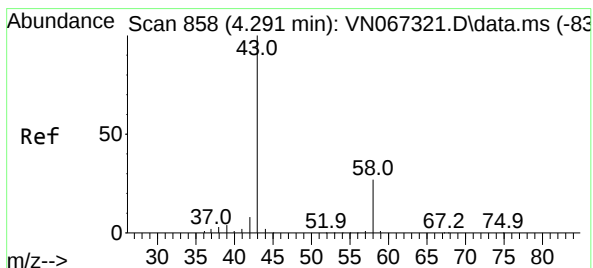
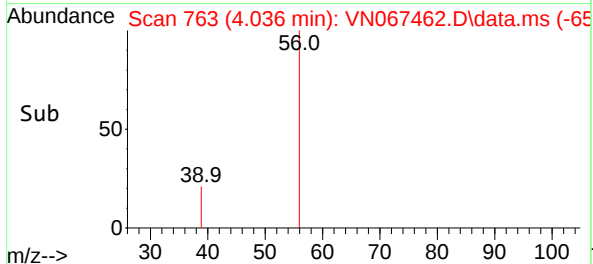
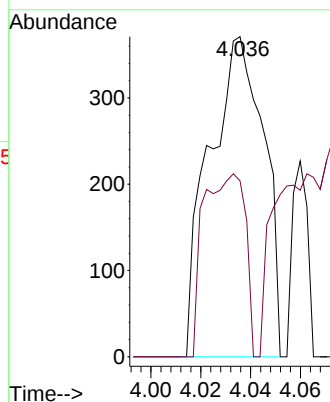
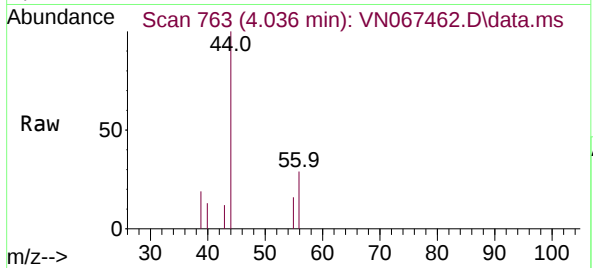




#13
Acrolein
Concen: 1.018 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.002 min
Lab File: VN067462.D
Acq: 23 Jun 2021 17:16

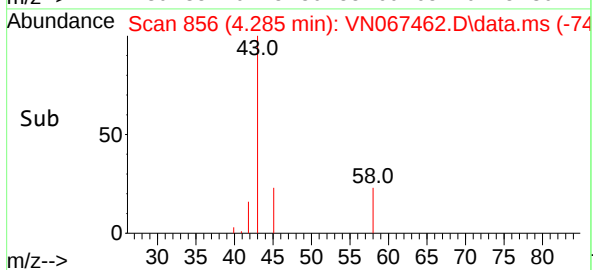
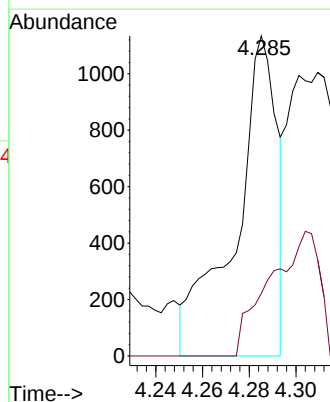
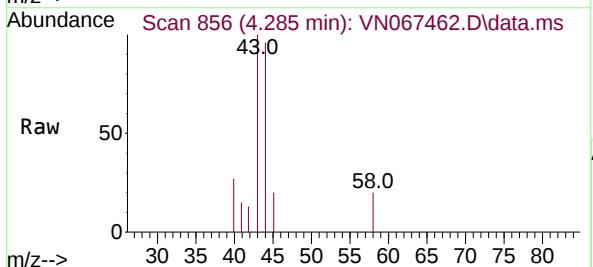
Instrument :
MSVOA_N
ClientSampled :

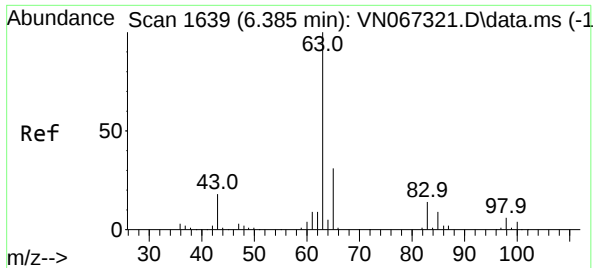
Tgt Ion: 56 Resp: 564
Ion Ratio Lower Upper
56 100
55 43.6 57.4 86.0#



#16
Acetone
Concen: 0.679 ug/l
RT: 4.285 min Scan# 856
Delta R.T. -0.006 min
Lab File: VN067462.D
Acq: 23 Jun 2021 17:16

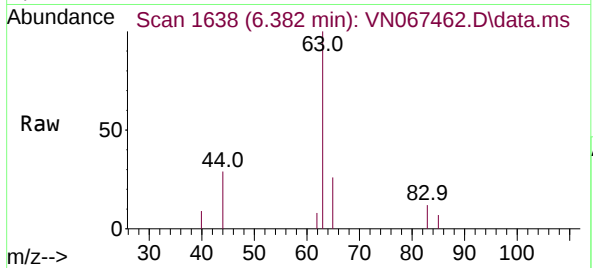
Tgt Ion: 43 Resp: 1405
Ion Ratio Lower Upper
43 100
58 23.3 21.2 31.8



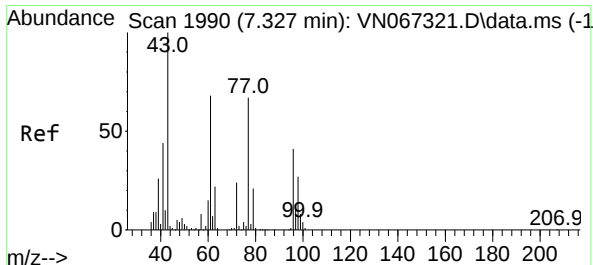
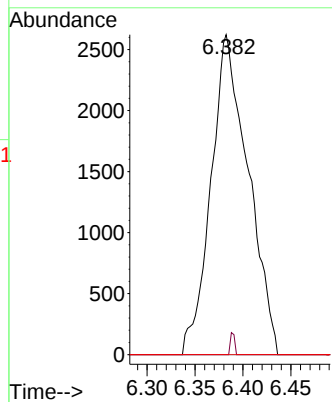
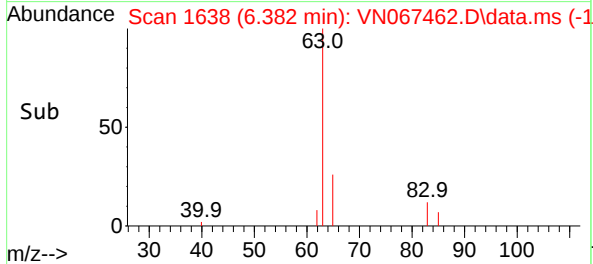


#24
1,1-Dichloroethane
Concen: 0.939 ug/l
RT: 6.382 min Scan# 1638
Delta R.T. -0.003 min
Lab File: VN067462.D
Acq: 23 Jun 2021 17:16

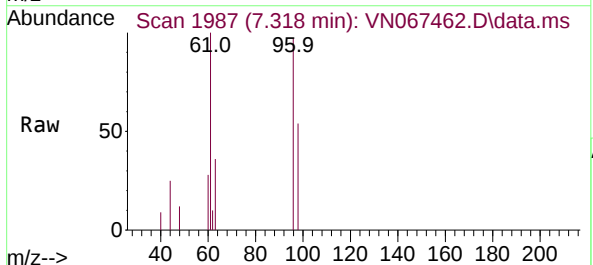
Instrument :
MSVOA_N
ClientSampled :



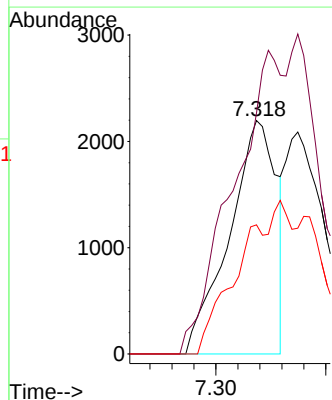
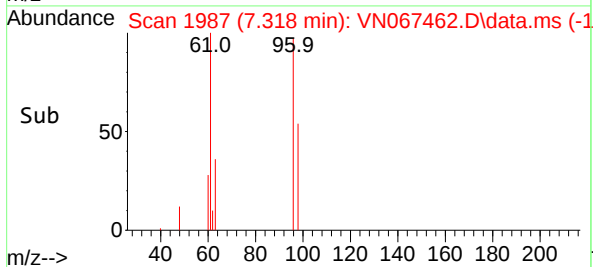
Tgt Ion: 63 Resp: 7073
Ion Ratio Lower Upper
63 100
98 0.0 3.0 9.0#
100 0.0 1.9 5.7#

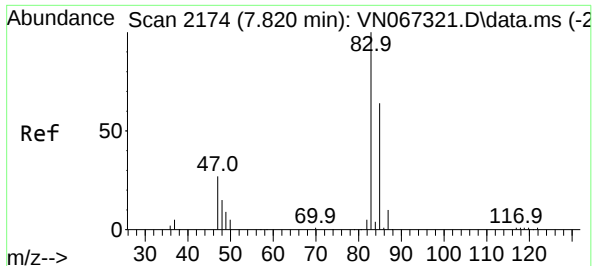


#27
cis-1,2-Dichloroethene
Concen: 0.764 ug/l
RT: 7.318 min Scan# 1987
Delta R.T. -0.009 min
Lab File: VN067462.D
Acq: 23 Jun 2021 17:16



Tgt Ion: 96 Resp: 3267
Ion Ratio Lower Upper
96 100
61 0.0 0.0 338.8
98 39.7 0.0 129.8





#30

Chloroform

Concen: 0.399 ug/l

RT: 7.817 min Scan# 2173

Delta R.T. -0.003 min

Lab File: VN067462.D

Acq: 23 Jun 2021 17:16

Tgt Ion: 83 Resp: 3158

Ion Ratio Lower Upper

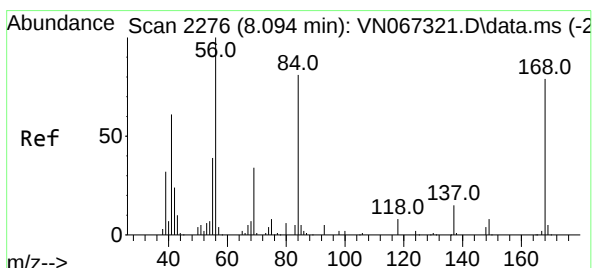
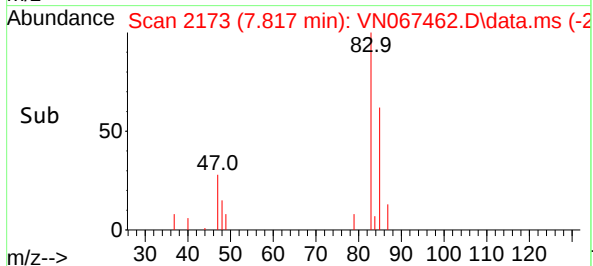
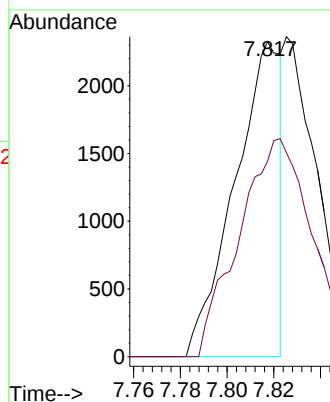
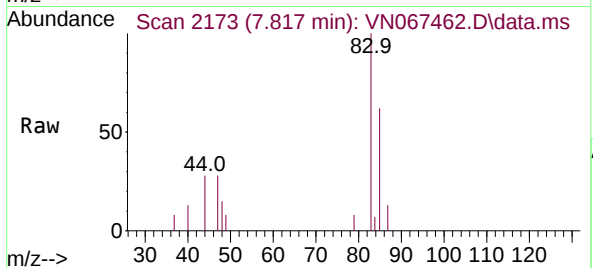
83 100

85 62.0 51.5 77.3

Instrument :

MSVOA_N

ClientSampled :



#31

Cyclohexane

Concen: 1.368 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.006 min

Lab File: VN067462.D

Acq: 23 Jun 2021 17:16

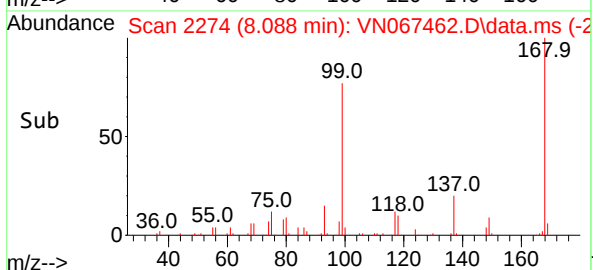
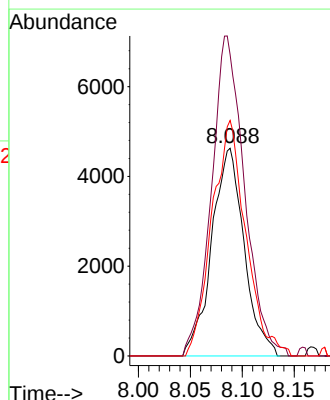
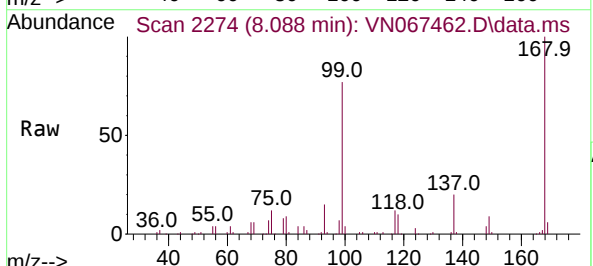
Tgt Ion: 56 Resp: 10025

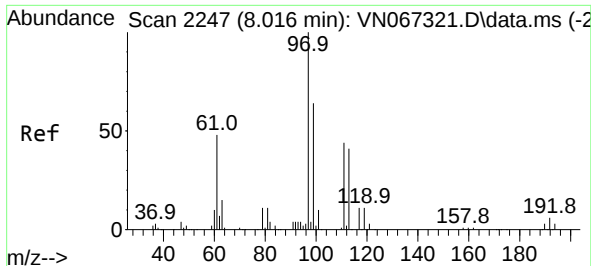
Ion Ratio Lower Upper

56 100

69 145.1 27.3 40.9#

84 113.4 64.9 97.3#





#32

1,1,1-Trichloroethane

Concen: 0.414 ug/l

RT: 8.027 min Scan# 2251

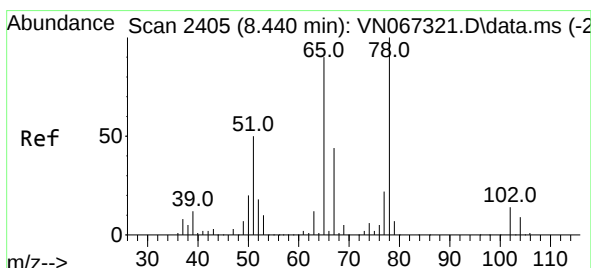
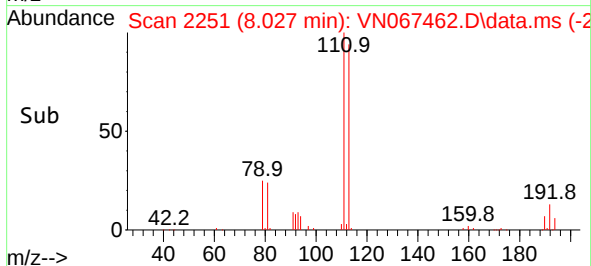
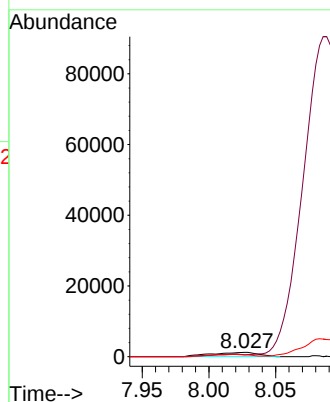
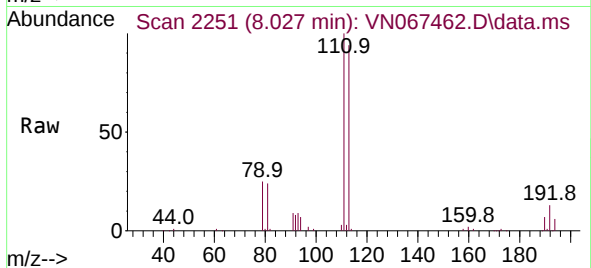
Delta R.T. 0.011 min

Lab File: VN067462.D

Acq: 23 Jun 2021 17:16

Tgt Ion:	97	Resp:	3006
Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.2	75.2#
61	44.0	38.2	57.2

Instrument :
MSVOA_N
ClientSampled :



#33

1,2-Dichloroethane-d4

Concen: 47.914 ug/l

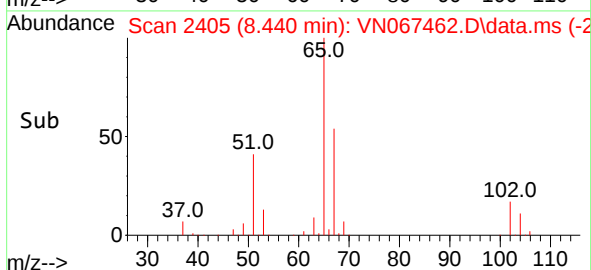
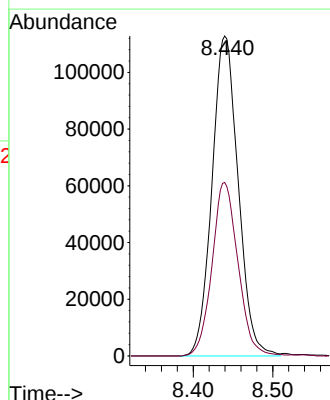
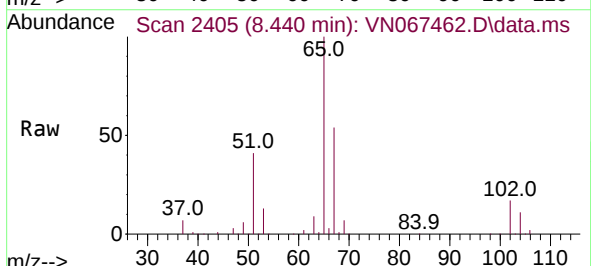
RT: 8.440 min Scan# 2405

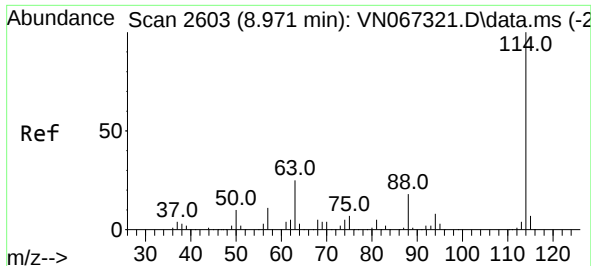
Delta R.T. -0.000 min

Lab File: VN067462.D

Acq: 23 Jun 2021 17:16

Tgt Ion:	65	Resp:	258361
Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	98.6

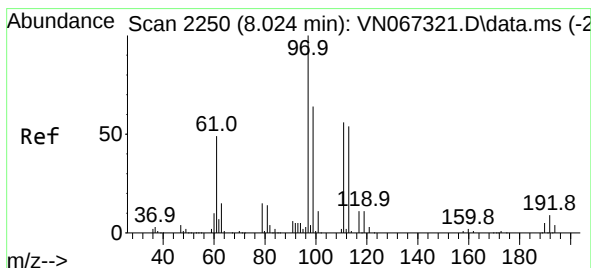
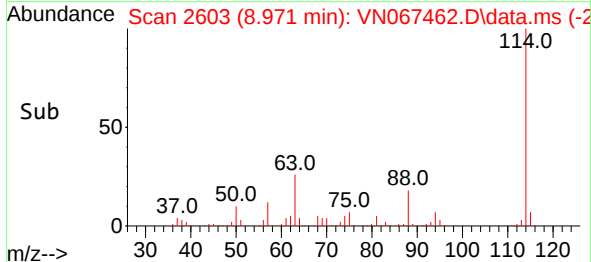
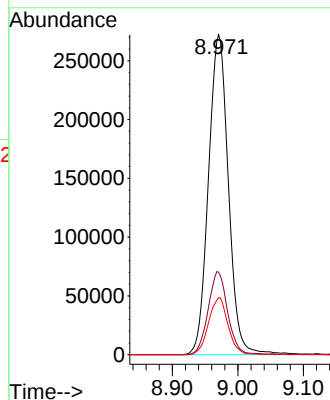
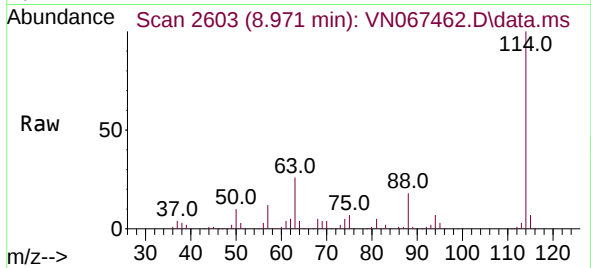




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067462.D
Acq: 23 Jun 2021 17:16

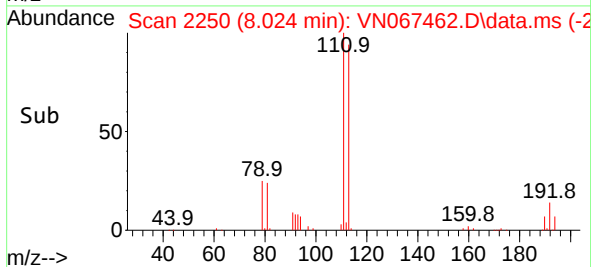
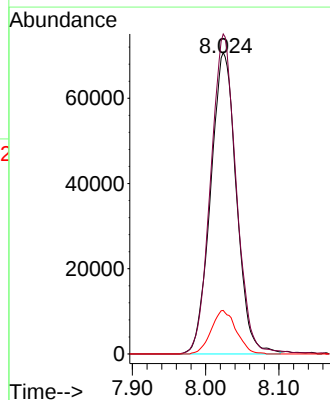
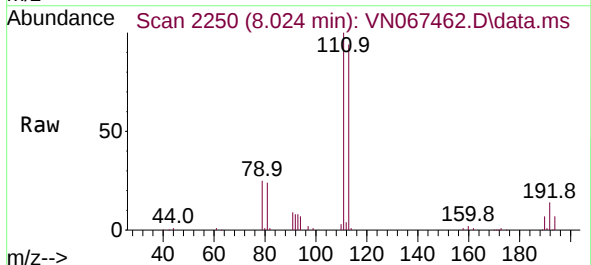
Instrument :
MSVOA_N
ClientSampled :

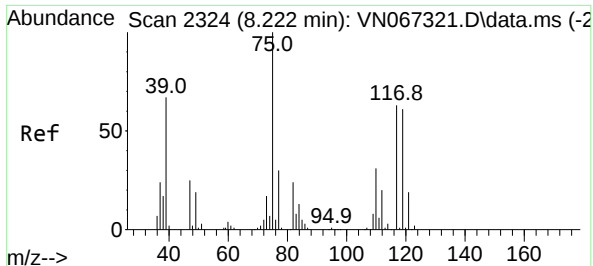
Tgt Ion:114 Resp: 574334
Ion Ratio Lower Upper
114 100
63 25.8 0.0 49.0
88 17.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.190 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067462.D
Acq: 23 Jun 2021 17:16

Tgt Ion:113 Resp: 172615
Ion Ratio Lower Upper
113 100
111 105.4 83.8 125.8
192 14.0 13.4 20.0





#36

1,1-Dichloropropene

Concen: 5.210 ug/l

RT: 8.086 min Scan# 2273

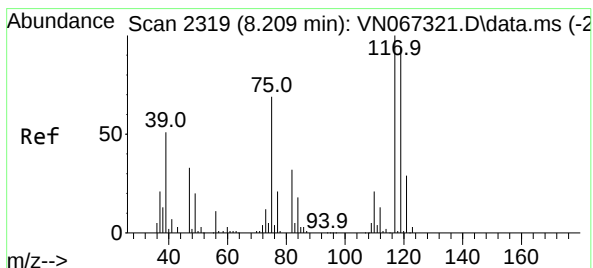
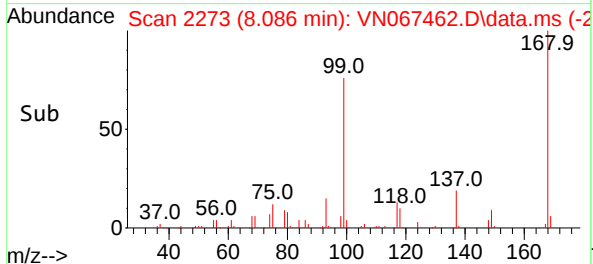
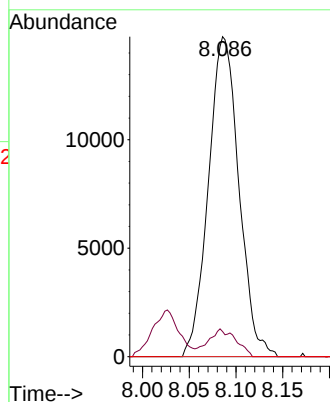
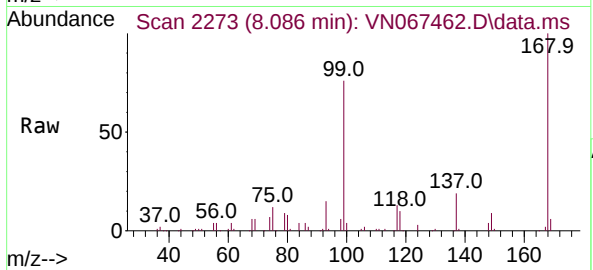
Delta R.T. -0.136 min

Lab File: VN067462.D

Acq: 23 Jun 2021 17:16

Tgt Ion:	75	Resp:	33548
Ion Ratio	Lower	Upper	
75	100		
110	7.9	15.7	47.0#
77	0.0	24.6	37.0#

Instrument :
MSVOA_N
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 4.833 ug/l

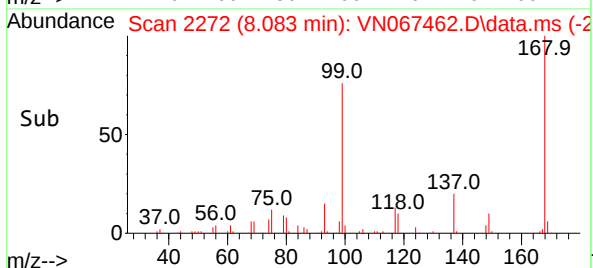
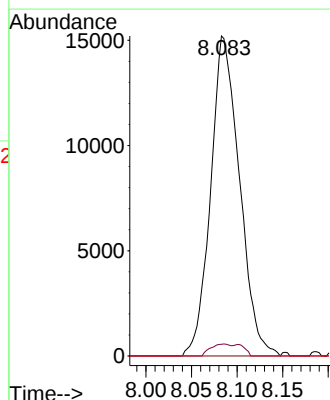
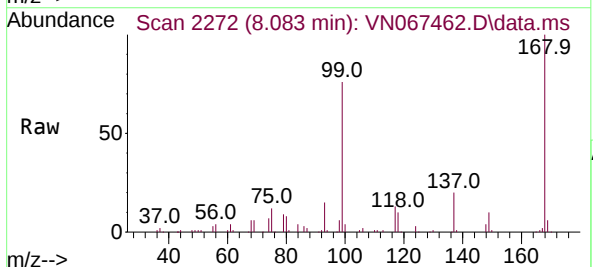
RT: 8.083 min Scan# 2272

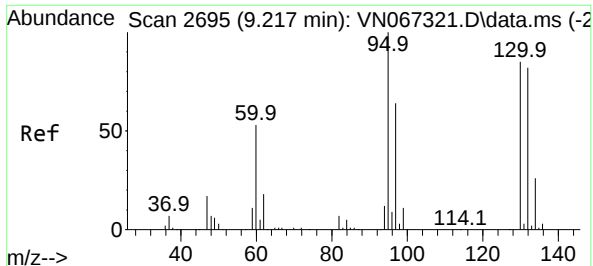
Delta R.T. -0.126 min

Lab File: VN067462.D

Acq: 23 Jun 2021 17:16

Tgt Ion:	117	Resp:	33448
Ion Ratio	Lower	Upper	
117	100		
119	3.6	75.4	113.2#
121	0.0	23.5	35.3#





#44

Trichloroethene

Concen: 0.919 ug/l

RT: 9.212 min Scan# 2693

Delta R.T. -0.005 min

Lab File: VN067462.D

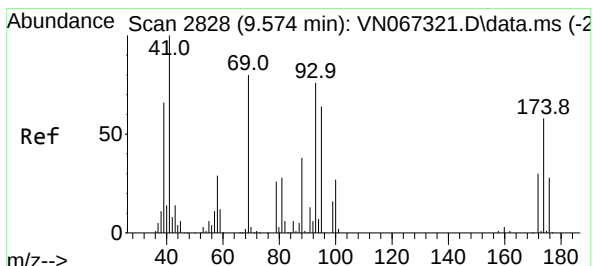
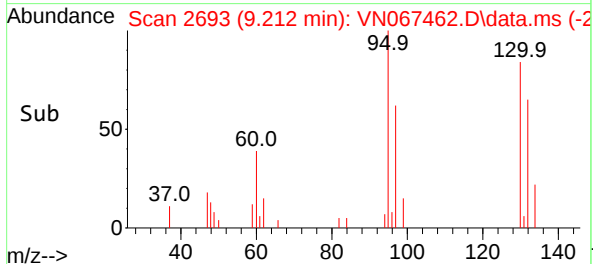
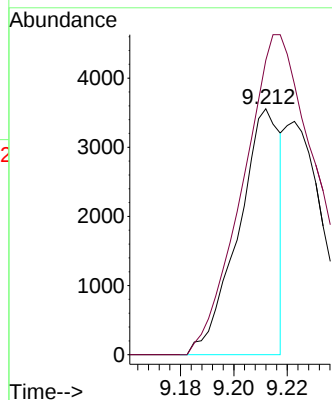
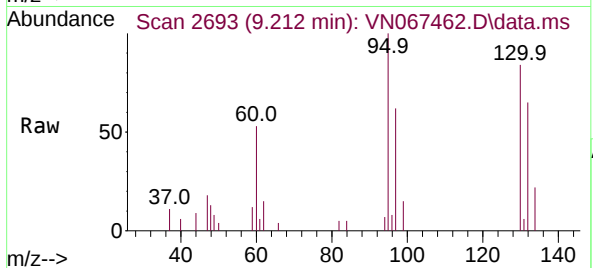
Acq: 23 Jun 2021 17:16

Tgt Ion:130 Resp: 3861

Ion Ratio Lower Upper

130 100

95 119.7 0.0 234.4



#49

1,4-Dioxane

Concen: 0.353 ug/l

RT: 9.604 min Scan# 2839

Delta R.T. 0.030 min

Lab File: VN067462.D

Acq: 23 Jun 2021 17:16

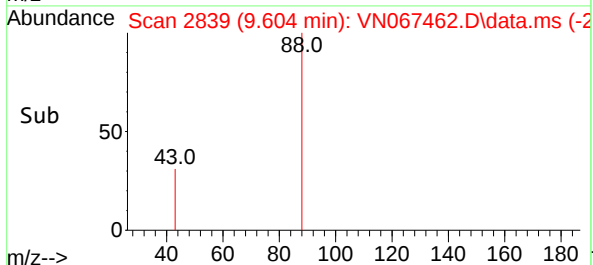
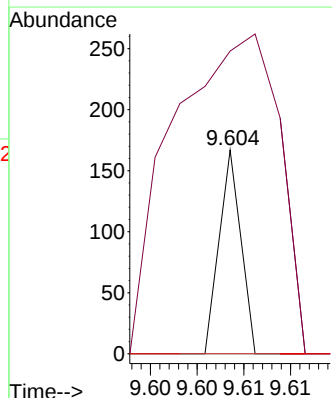
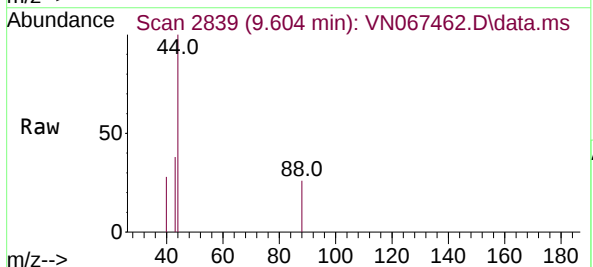
Tgt Ion: 88 Resp: 27

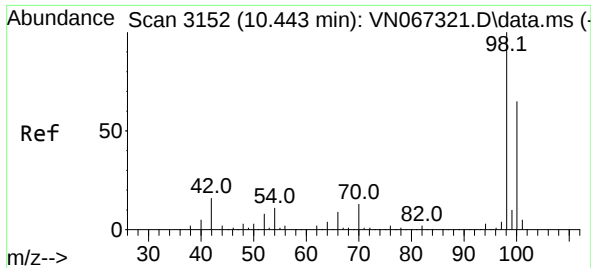
Ion Ratio Lower Upper

88 100

43 766.7 28.8 43.2#

58 0.0 60.4 90.6#

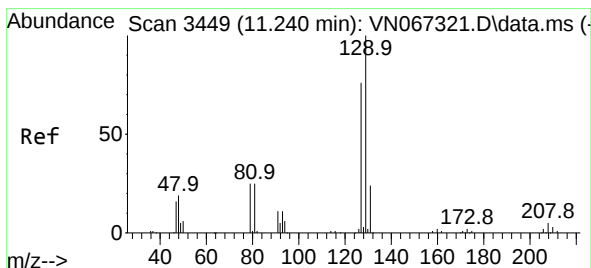
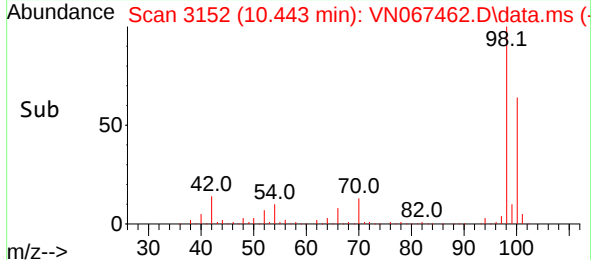
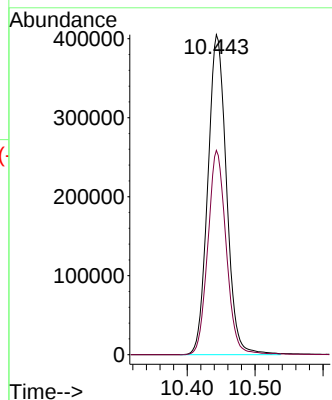
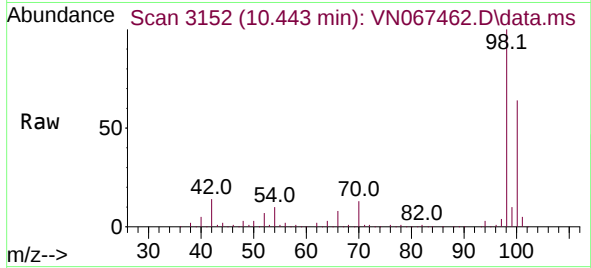




#50
Toluene-d8
Concen: 52.751 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067462.D
Acq: 23 Jun 2021 17:16

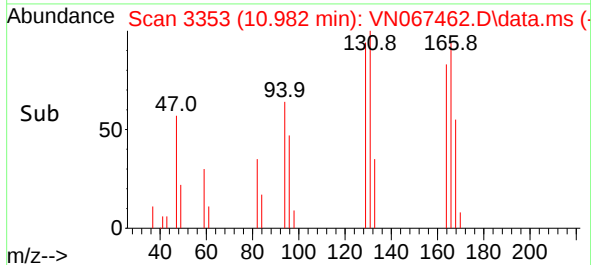
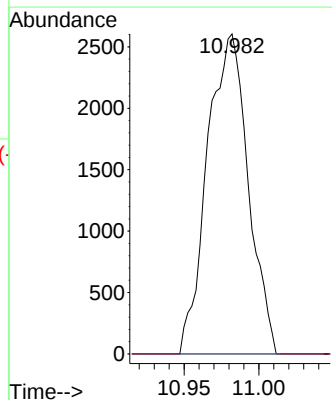
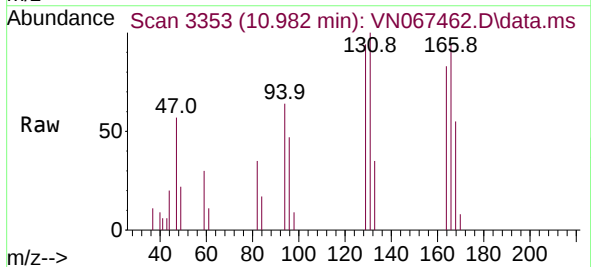
Instrument :
MSVOA_N
ClientSampled :

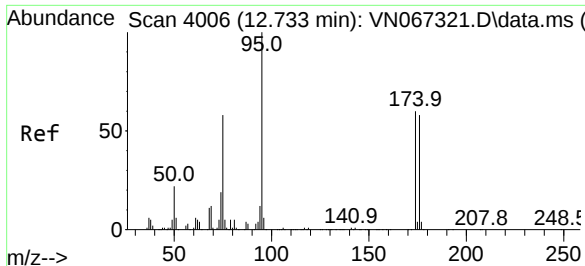
Tgt Ion: 98 Resp: 772302
Ion Ratio Lower Upper
98 100
100 62.7 51.7 77.5



#60
Dibromochloromethane
Concen: 1.039 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.258 min
Lab File: VN067462.D
Acq: 23 Jun 2021 17:16

Tgt Ion:129 Resp: 4963
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

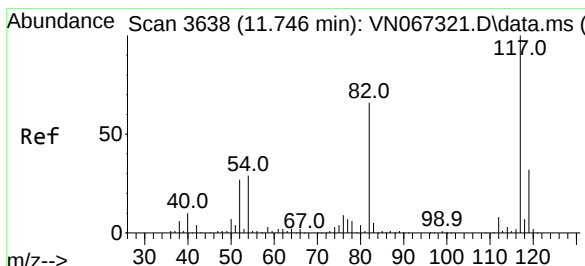
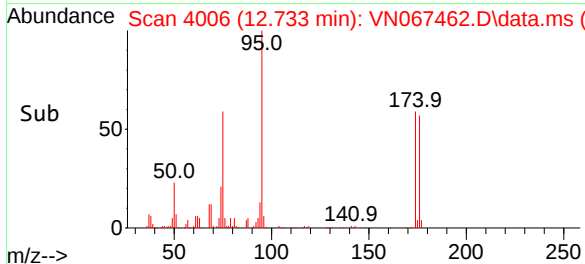
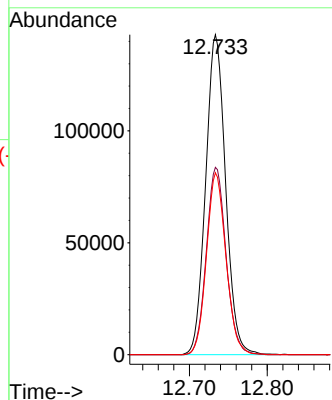
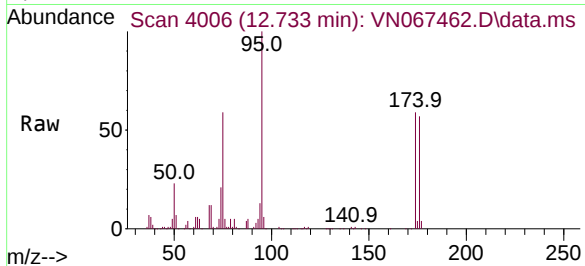




#62
4-Bromofluorobenzene
Concen: 42.198 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067462.D
Acq: 23 Jun 2021 17:16

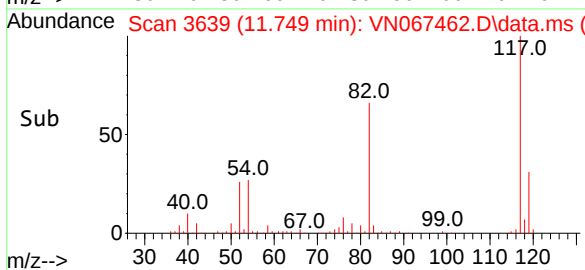
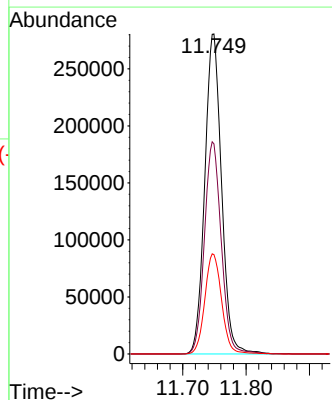
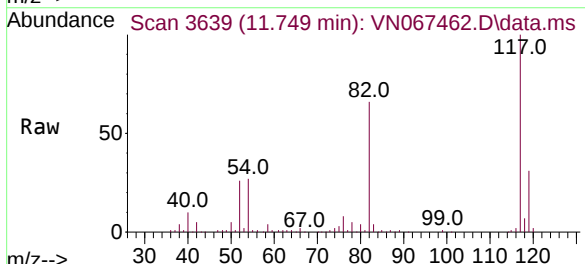
Instrument :
MSVOA_N
ClientSampleId :

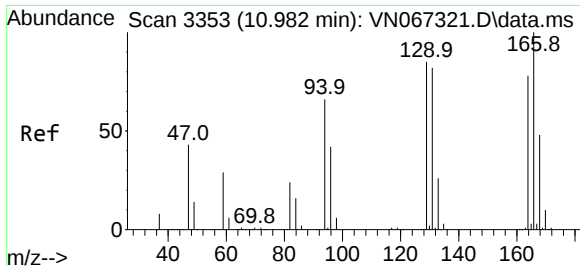
Tgt Ion: 95 Resp: 254959
Ion Ratio Lower Upper
95 100
174 57.9 0.0 122.0
176 55.5 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067462.D
Acq: 23 Jun 2021 17:16

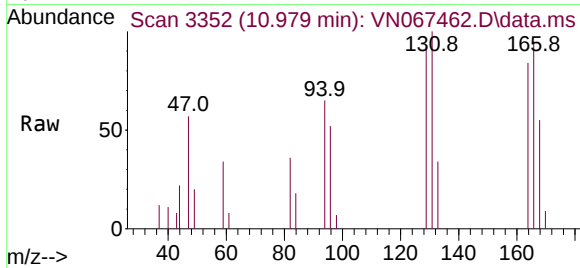
Tgt Ion: 117 Resp: 515523
Ion Ratio Lower Upper
117 100
82 65.6 53.1 79.7
119 31.1 25.5 38.3



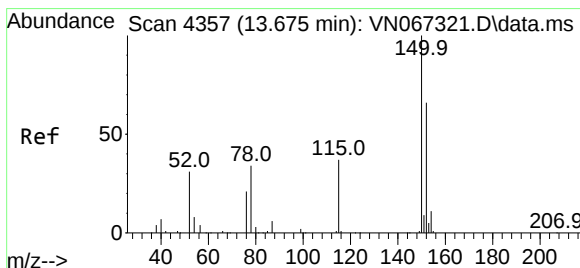
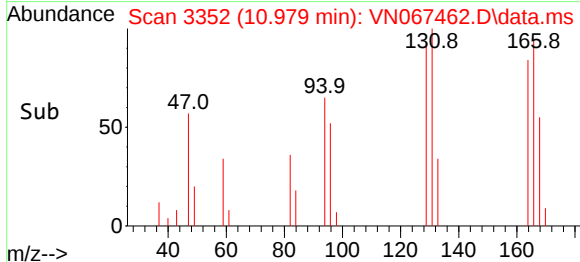
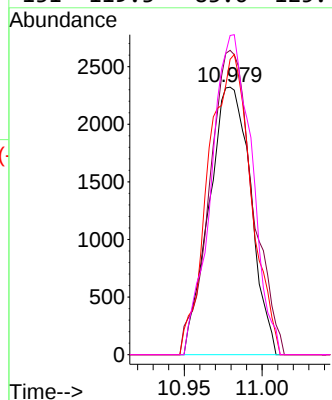


#64
Tetrachloroethene
Concen: 1.179 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.003 min
Lab File: VN067462.D
Acq: 23 Jun 2021 17:16

Instrument :
MSVOA_N
ClientSampleId :

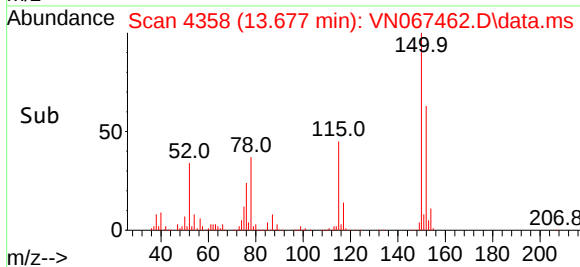
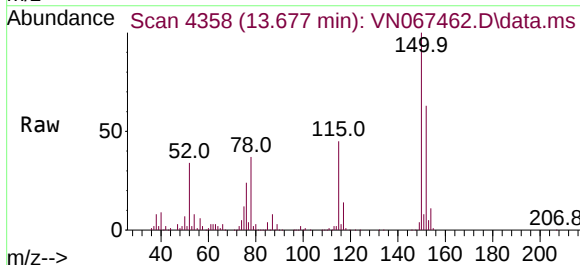
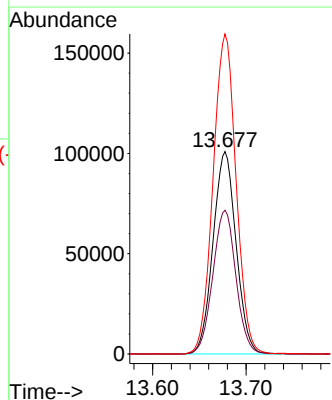


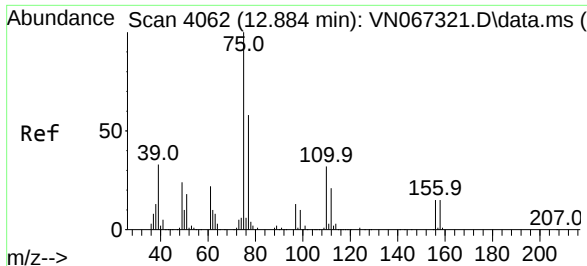
Tgt Ion:	164	Resp:	4316
Ion Ratio	100	Lower	Upper
164	100		
166	113.7	102.1	153.1
129	110.4	86.9	130.3
131	119.3	83.6	125.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067462.D
Acq: 23 Jun 2021 17:16

Tgt Ion:	152	Resp:	172849
Ion Ratio	100	Lower	Upper
152	100		
115	71.2	36.1	108.5
150	157.5	0.0	351.8

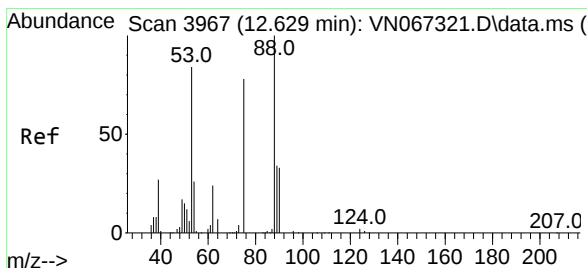
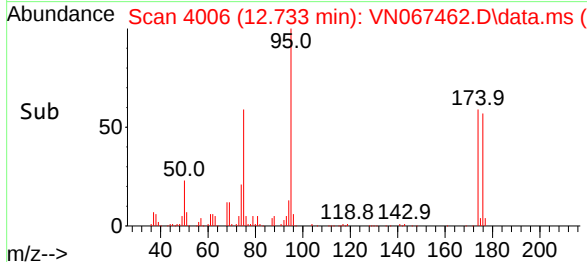
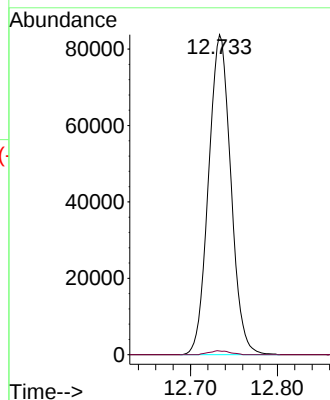
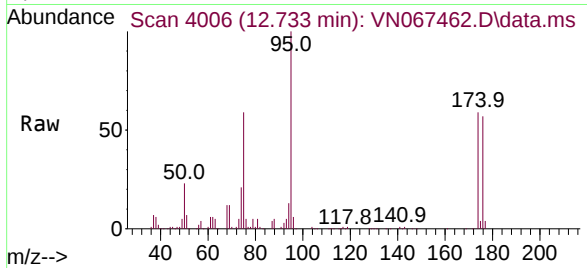




#76
1,2,3-Trichloropropane
Concen: 33.225 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067462.D
Acq: 23 Jun 2021 17:16

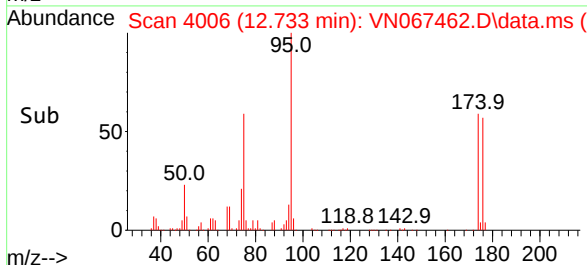
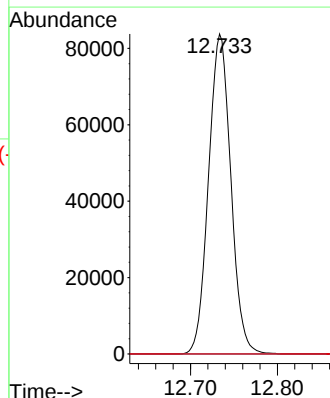
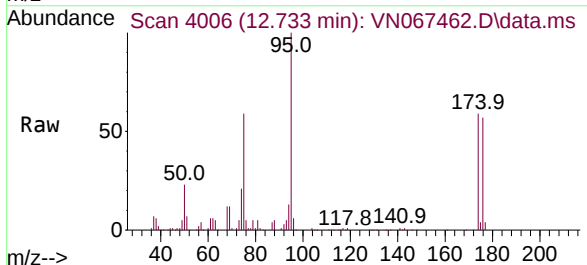
Instrument :
MSVOA_N
ClientSampled :

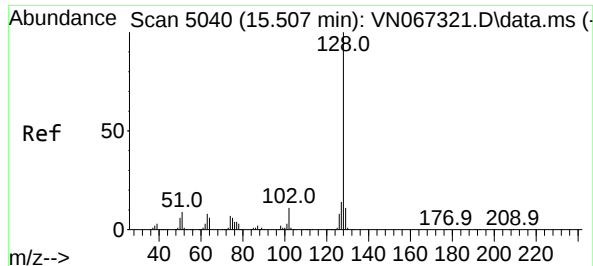
Tgt Ion: 75 Resp: 149136
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.343 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067462.D
Acq: 23 Jun 2021 17:16

Tgt Ion: 75 Resp: 149136
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95

Naphthalene

Concen: 2.963 ug/l

RT: 15.509 min Scan# 5041

Delta R.T. 0.002 min

Lab File: VN067462.D

Acq: 23 Jun 2021 17:16

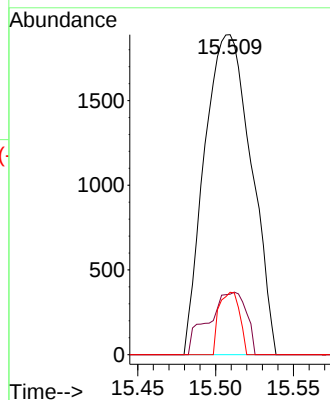
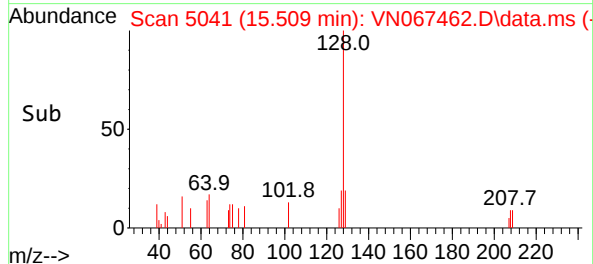
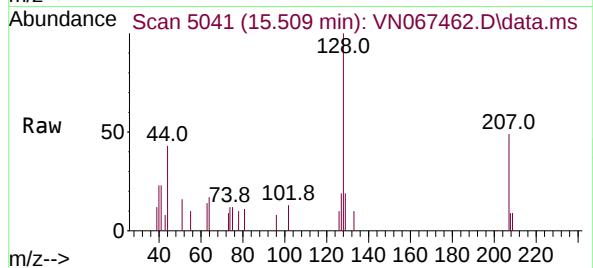
Tgt Ion:128 Resp: 3939

Ion Ratio Lower Upper

128 100

127 15.9 10.6 15.8#

129 8.6 8.6 12.8#



Instrument :
MSVOA_N
ClientSampleId :