

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069861.D
 Acq On : 8 Dec 2021 15:13
 Operator : JC/MD
 Sample : M4957-06DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW4-20211206DL

Quant Time: Dec 09 11:39:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

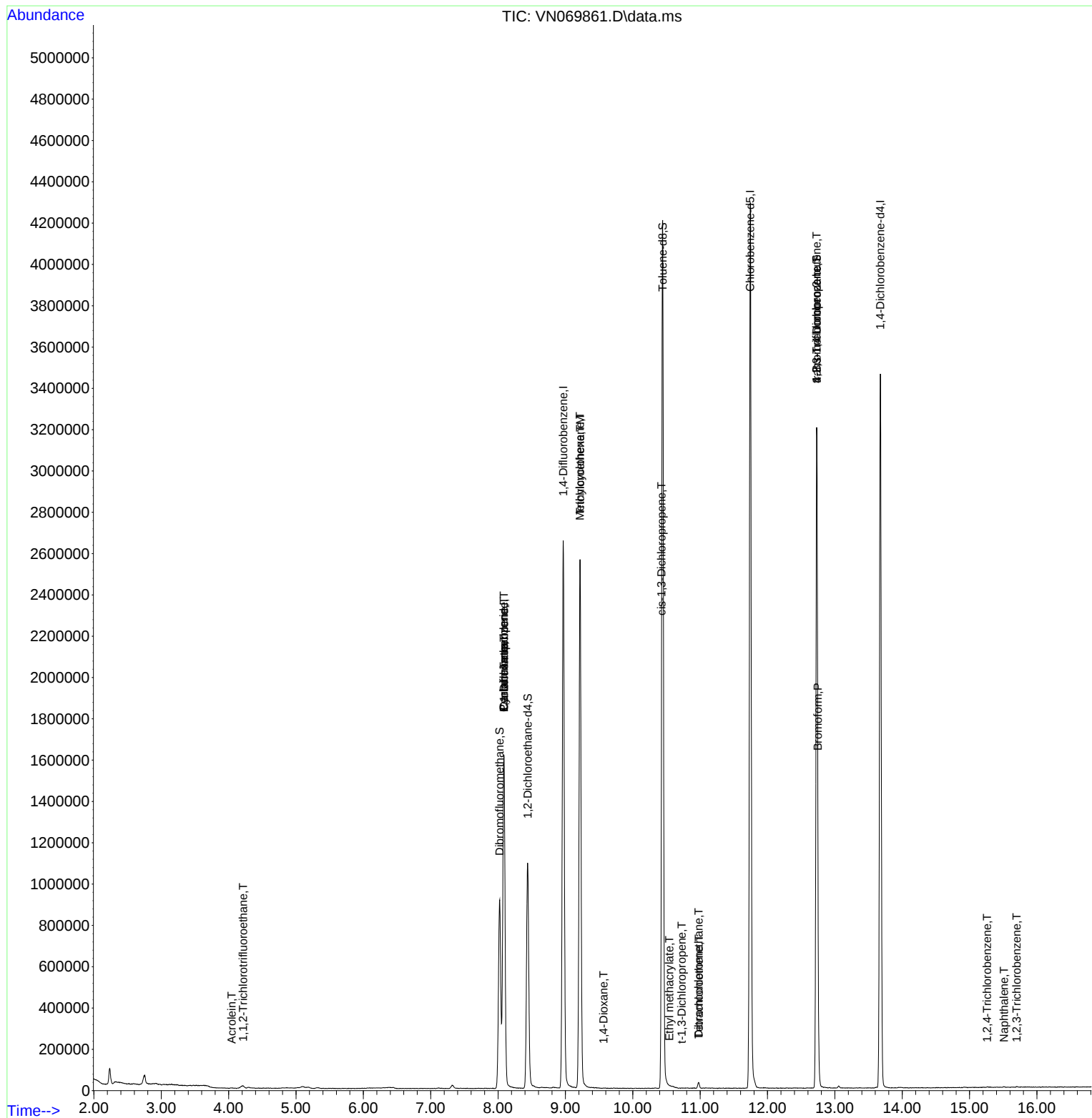
Internal Standards						
1) Pentafluorobenzene	8.088	168	1223708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2212895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2398469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	925225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	957252	50.664	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.320%			
35) Dibromofluoromethane	8.024	113	658288	47.492	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.980%			
50) Toluene-d8	10.443	98	2878860	51.725	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.460%			
62) 4-Bromofluorobenzene	12.731	95	1126539	55.871	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 111.740%			
Target Compounds					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.213	101	6708	0.555	ug/l #	89
13) Acrolein	4.044	56	865	0.284	ug/l #	76
31) Cyclohexane	8.088	56	32267	1.227	ug/l #	34
36) 1,1-Dichloropropene	8.088	75	104599	4.965	ug/l #	48
38) Carbon Tetrachloride	8.086	117	127568	6.175	ug/l #	16
39) Methylcyclohexane	9.215	83	12395	0.495	ug/l #	1
44) Trichloroethene	9.217	130	889022	57.846	ug/l	92
49) 1,4-Dioxane	9.566	88	181	0.466	ug/l #	1
53) t-1,3-Dichloropropene	10.727	75	82	2.797	ug/l #	75
54) cis-1,3-Dichloropropene	10.427	75	224	2.007	ug/l #	1
56) Ethyl methacrylate	10.542	69	76	2.282	ug/l #	1
60) Dibromochloromethane	10.977	129	5751	2.699	ug/l #	11
64) Tetrachloroethene	10.982	164	6587	0.405	ug/l	95
71) Bromoform	12.747	173	526	2.765	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	630877	23.777	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	630877	75.559	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	1062	2.944	ug/l #	86
95) Naphthalene	15.512	128	3773	4.062	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.700	180	863	2.491	ug/l #	14

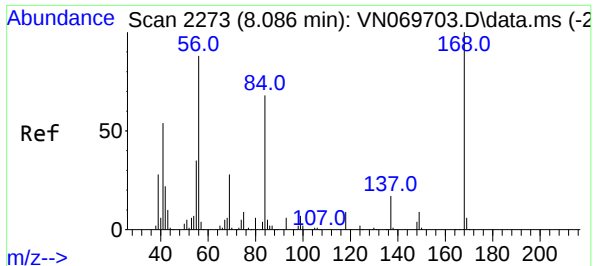
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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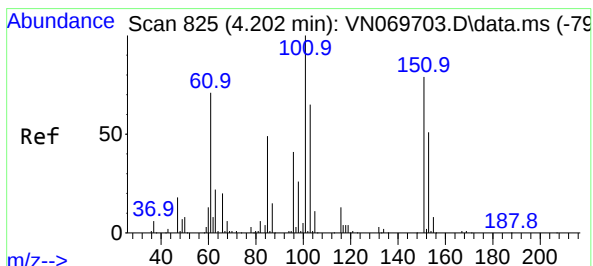
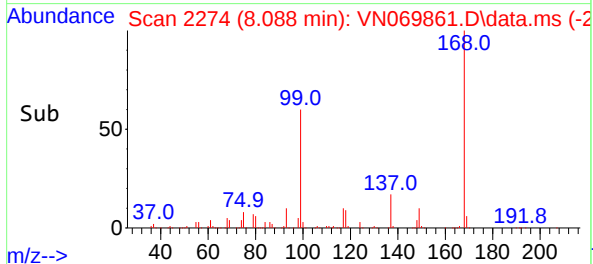
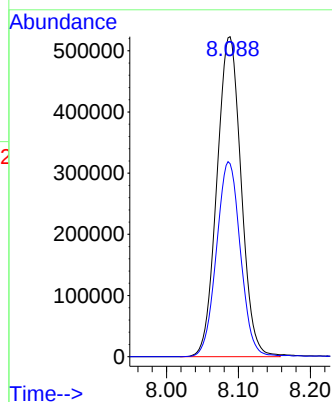
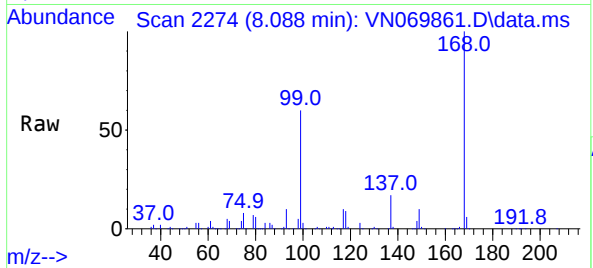




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

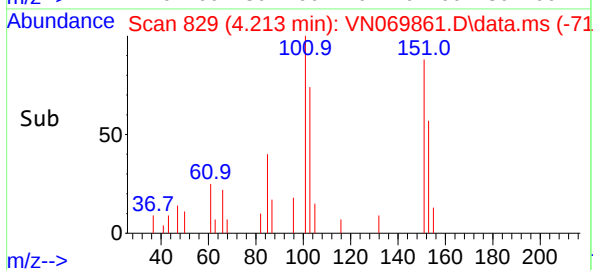
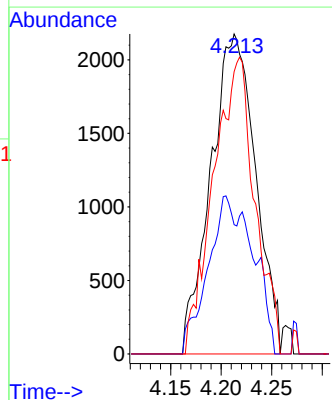
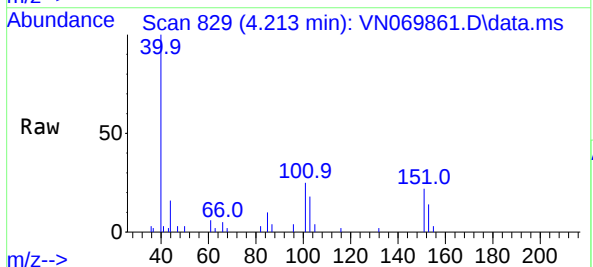
Instrument :
MSVOA_N
ClientSampleId :
RW4-20211206DL

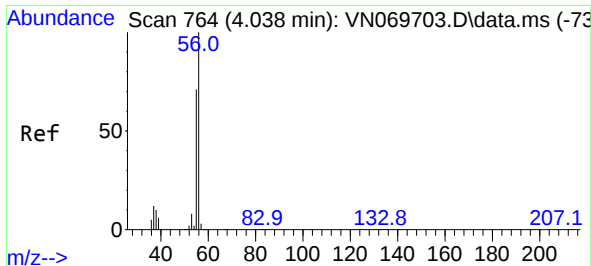
Tgt Ion:168 Resp: 1223708
Ion Ratio Lower Upper
168 100
99 60.3 41.3 61.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.555 ug/l
RT: 4.213 min Scan# 829
Delta R.T. 0.011 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

Tgt Ion:101 Resp: 6708
Ion Ratio Lower Upper
101 100
85 30.2 37.2 55.8#
151 85.7 65.9 98.9

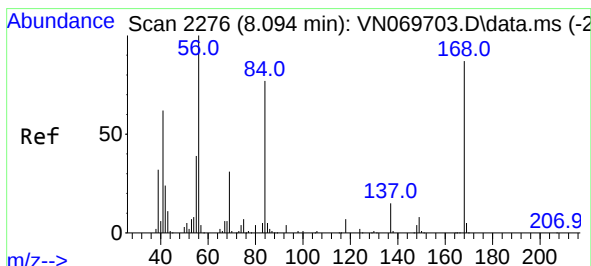
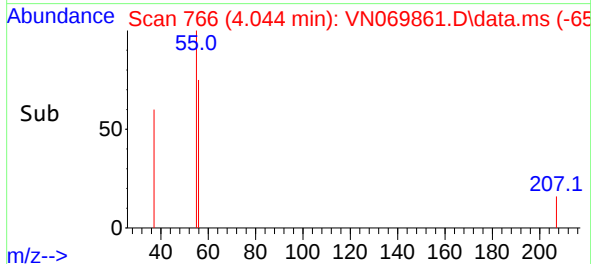
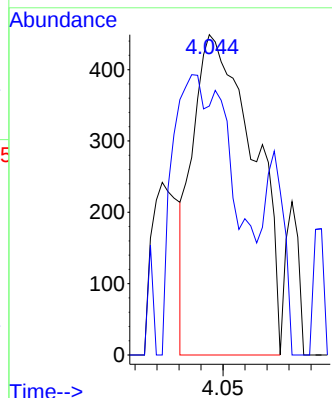
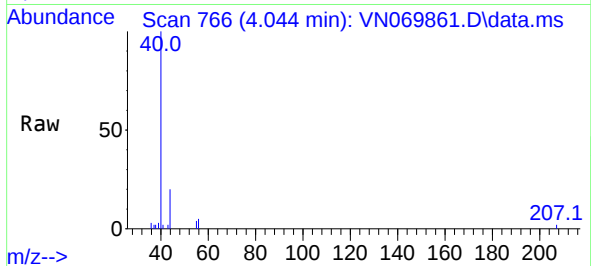




#13
Acrolein
Concen: 0.284 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

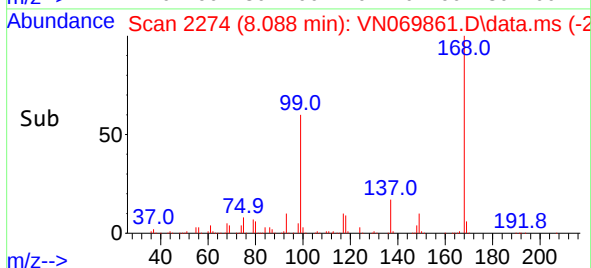
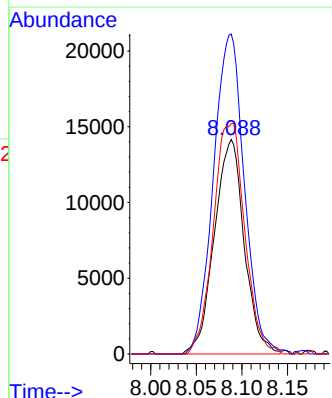
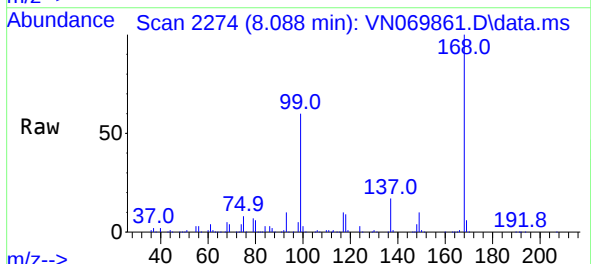
Instrument :
MSVOA_N
ClientSampleId :
RW4-20211206DL

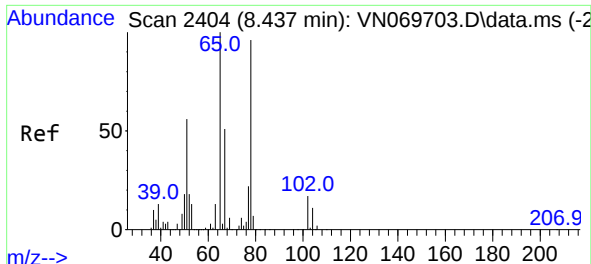
Tgt Ion: 56 Resp: 865
Ion Ratio Lower Upper
56 100
55 51.2 56.6 85.0#



#31
Cyclohexane
Concen: 1.227 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.005 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

Tgt Ion: 56 Resp: 32267
Ion Ratio Lower Upper
56 100
69 149.3 27.1 40.7#
84 107.5 73.4 110.0

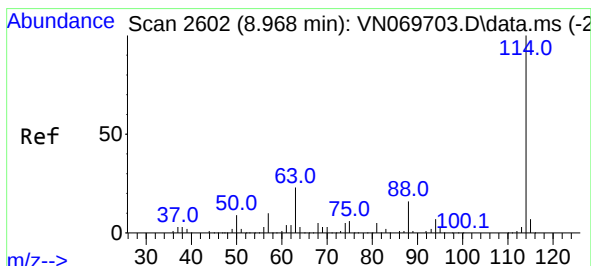
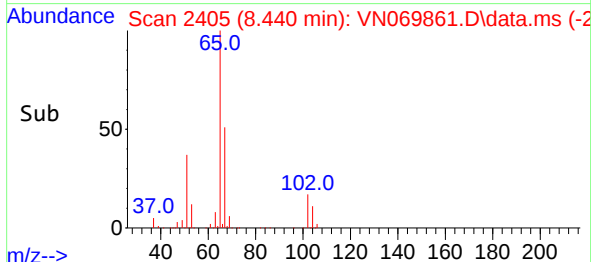
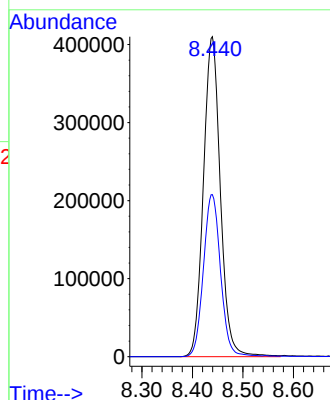
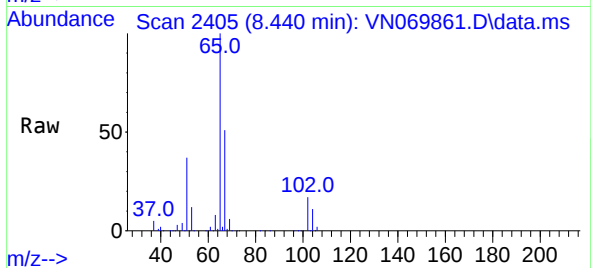




#33
 1,2-Dichloroethane-d4
 Concen: 50.664 ug/l
 RT: 8.440 min Scan# 2404
 Delta R.T. 0.003 min
 Lab File: VN069861.D
 Acq: 8 Dec 2021 15:13

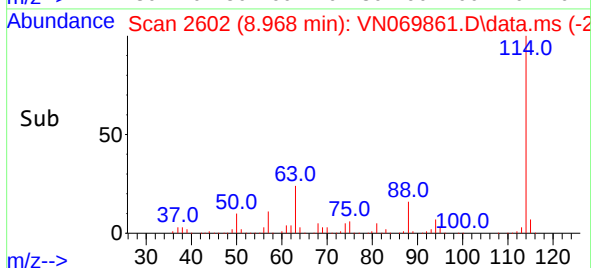
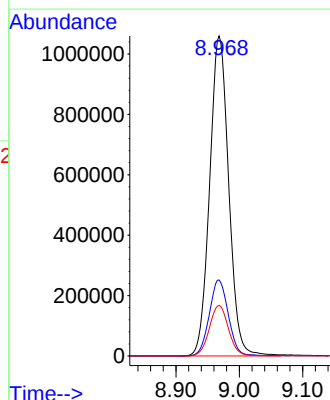
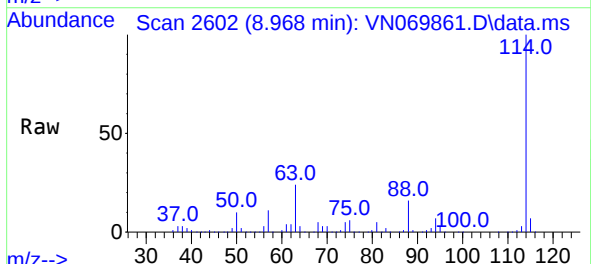
Instrument :
 MSVOA_N
 ClientSampleId :
 RW4-20211206DL

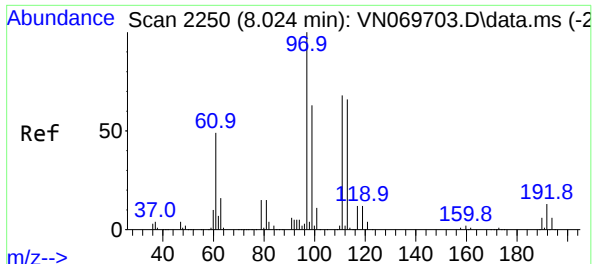
Tgt Ion: 65 Resp: 957252
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. -0.000 min
 Lab File: VN069861.D
 Acq: 8 Dec 2021 15:13

Tgt Ion: 114 Resp: 2212895
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 37.8
 88 15.8 0.0 27.4

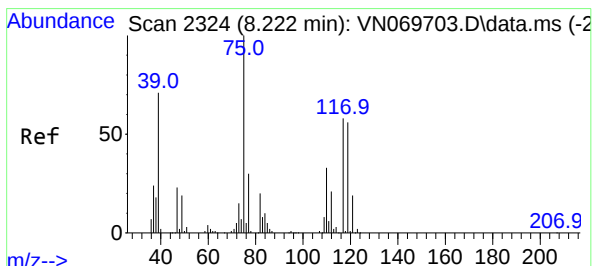
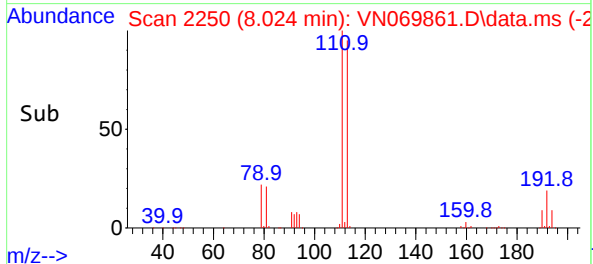
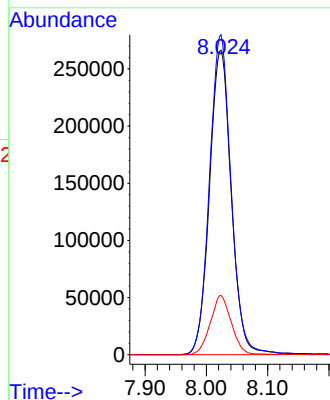
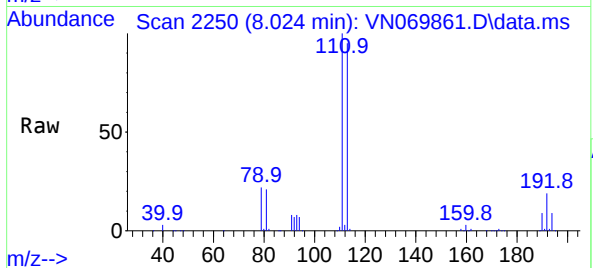




#35
Dibromofluoromethane
Concen: 47.492 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

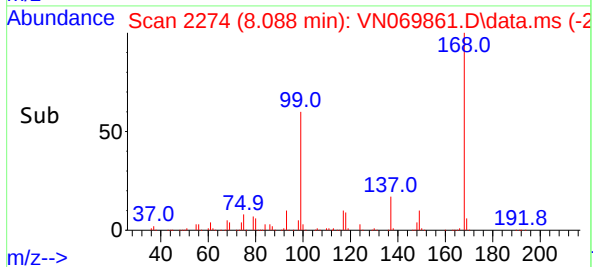
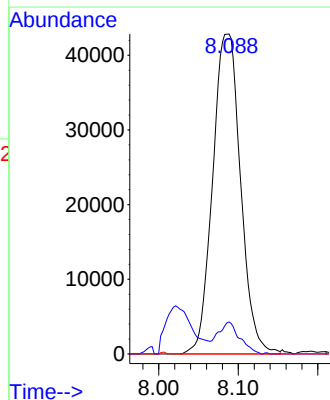
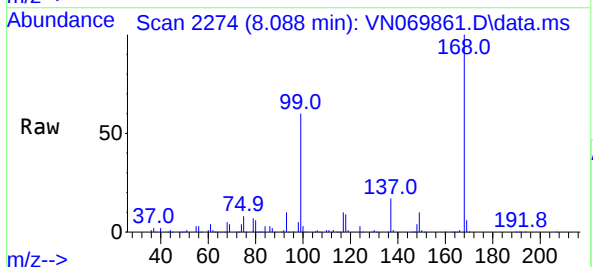
Instrument :
MSVOA_N
ClientSampleId :
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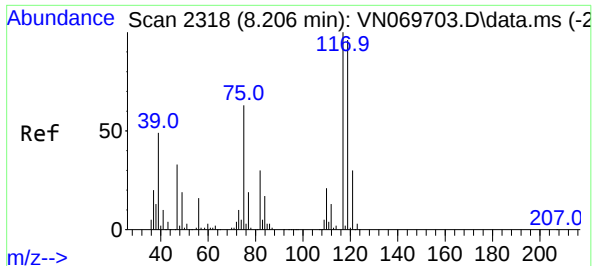
Tgt Ion:113 Resp: 658288
Ion Ratio Lower Upper
113 100
111 104.1 82.2 123.2
192 18.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.965 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

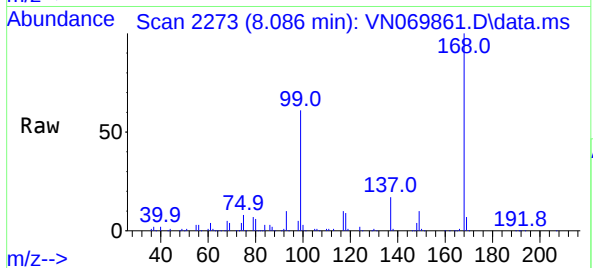
Tgt Ion: 75 Resp: 104599
Ion Ratio Lower Upper
75 100
110 7.9 18.4 55.2#
77 0.0 24.4 36.6#



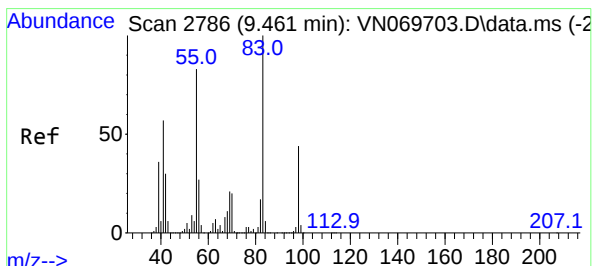
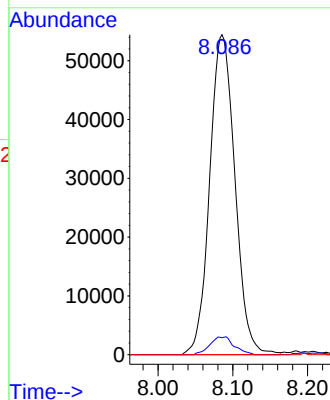
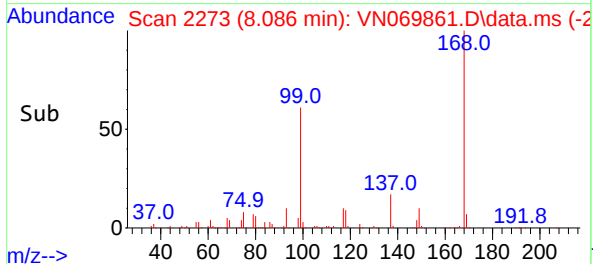


#38
Carbon Tetrachloride
Concen: 6.175 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.121 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

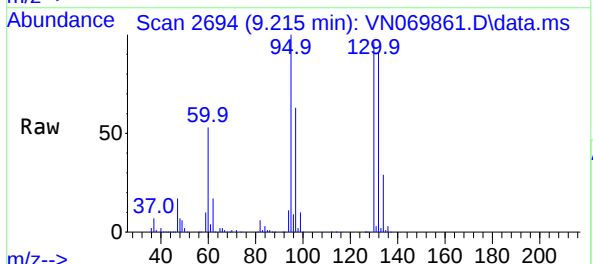
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MSVOA_N
ClientSampleId :
RW4-20211206DL



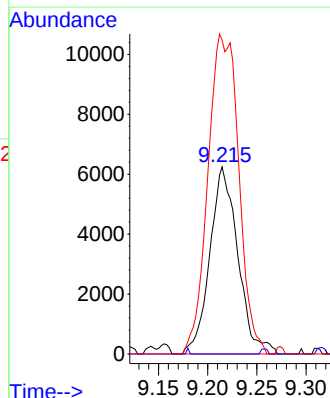
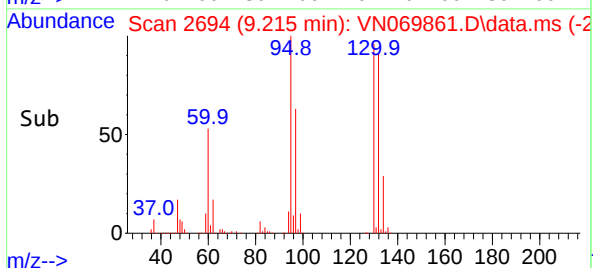
Tgt Ion:117 Resp: 127568
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.2 36.2#

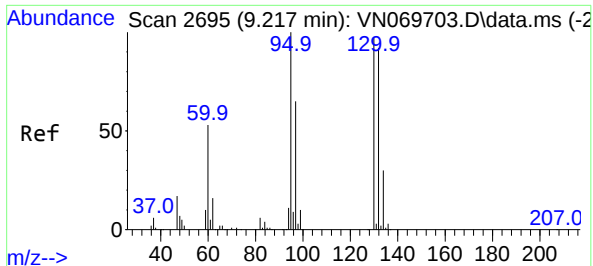


#39
Methylcyclohexane
Concen: 0.495 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.247 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13



Tgt Ion: 83 Resp: 12395
Ion Ratio Lower Upper
83 100
55 0.0 58.1 87.1#
98 173.5 38.4 57.6#

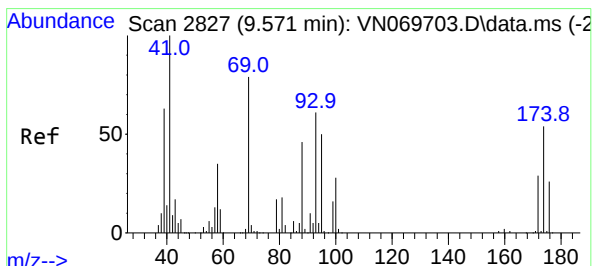
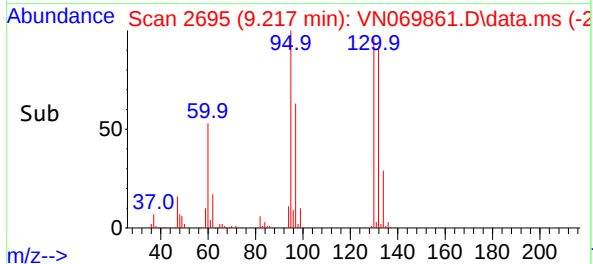
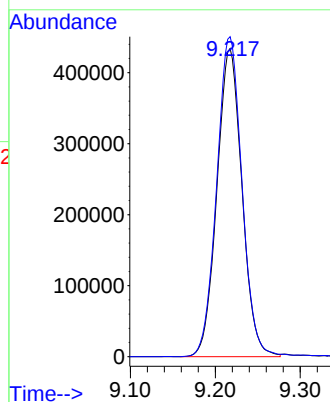
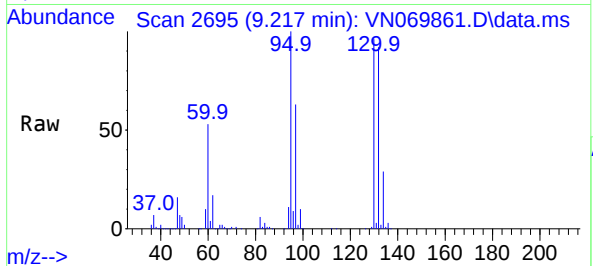




#44
Trichloroethene
Concen: 57.846 ug/l
RT: 9.217 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

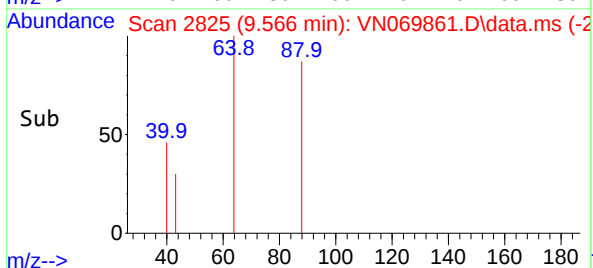
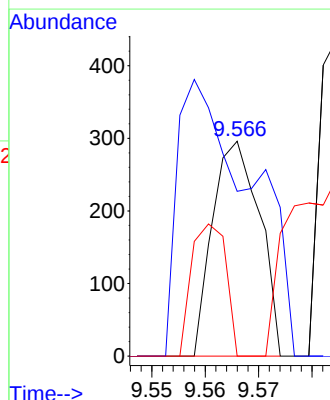
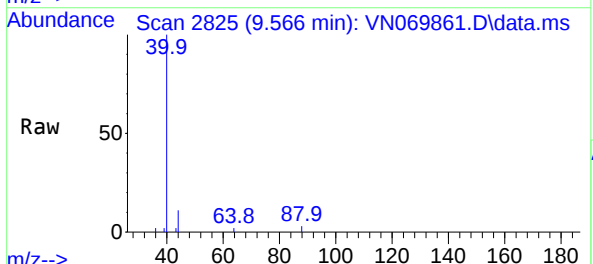
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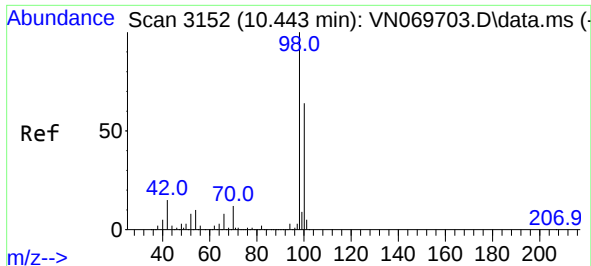
Tgt Ion:130 Resp: 889022
Ion Ratio Lower Upper
130 100
95 103.8 0.0 191.2



#49
1,4-Dioxane
Concen: 0.466 ug/l
RT: 9.566 min Scan# 2825
Delta R.T. -0.005 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

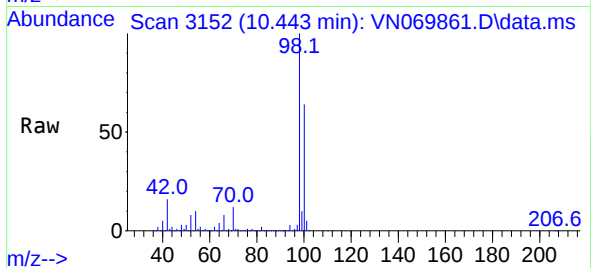
Tgt Ion: 88 Resp: 181
Ion Ratio Lower Upper
88 100
43 200.6 23.4 35.2#
58 44.8 50.6 75.8#



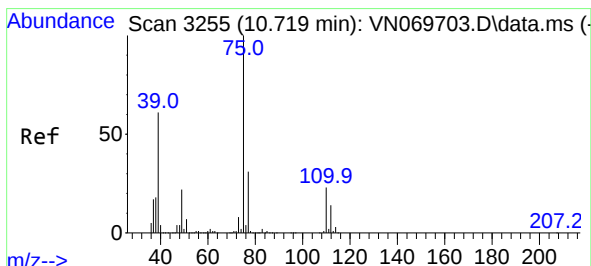
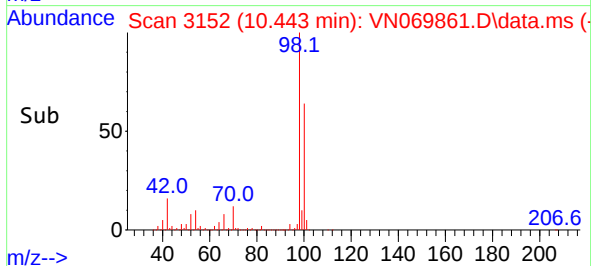
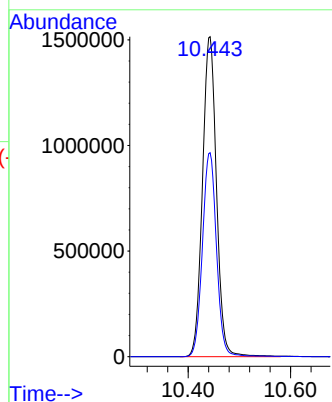


#50
Toluene-d8
Concen: 51.725 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

Instrument :
MSVOA_N
ClientSampleId :
RW4-20211206DL

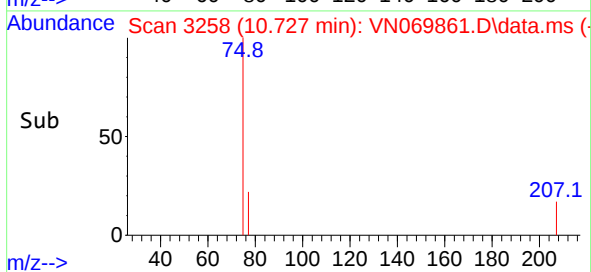
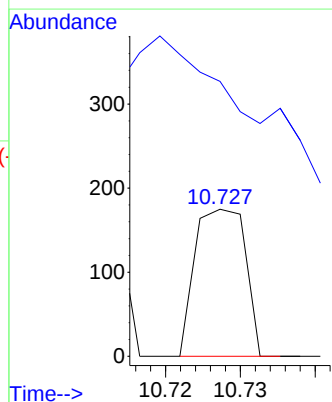
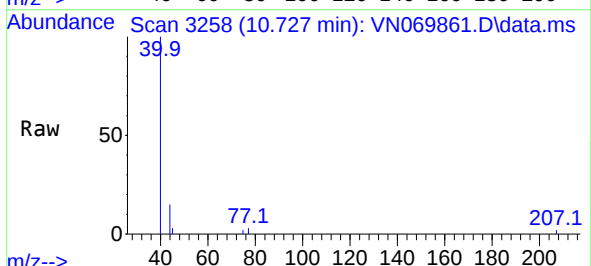


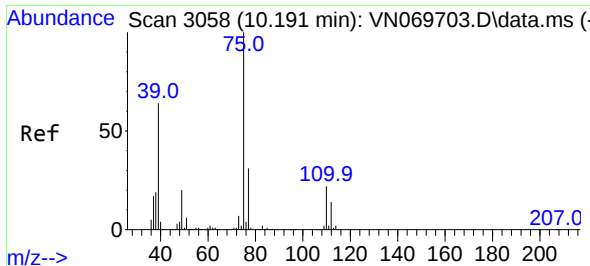
Tgt Ion: 98 Resp: 2878860
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.797 ug/l
RT: 10.727 min Scan# 3258
Delta R.T. 0.008 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

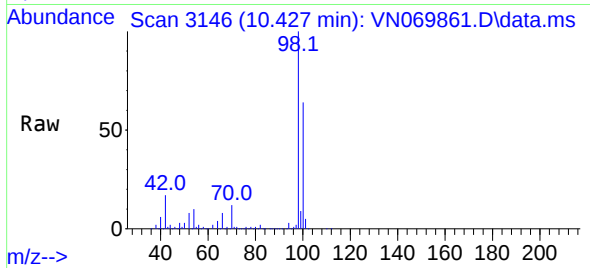
Tgt Ion: 75 Resp: 82
Ion Ratio Lower Upper
75 100
77 18.3 25.6 38.4#





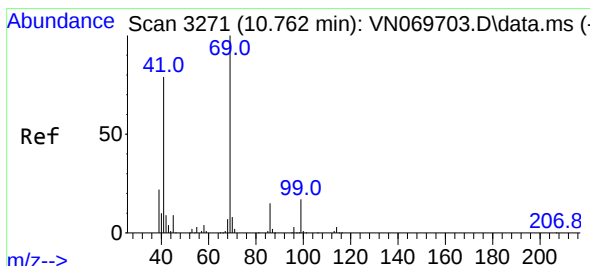
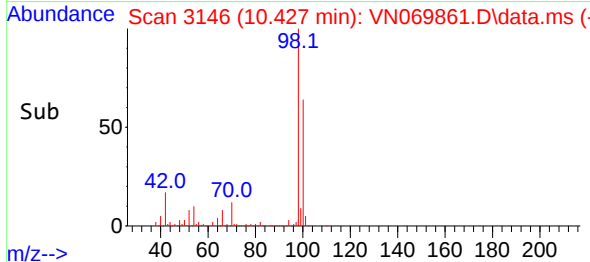
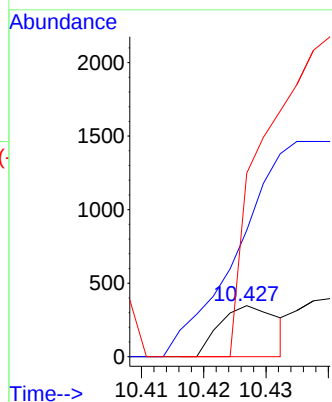
#54
cis-1,3-Dichloropropene
Concen: 2.007 ug/l
RT: 10.427 min Scan# 3146
Delta R.T. 0.236 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

Instrument :
MSVOA_N
ClientSampleId :
RW4-20211206DL



Tgt Ion: 75 Resp: 224

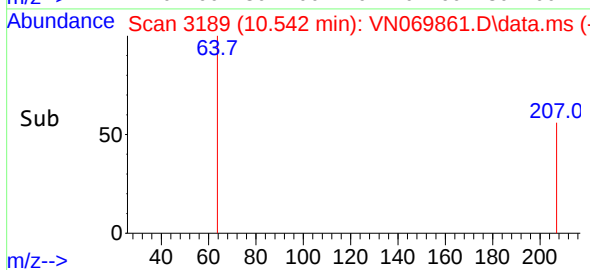
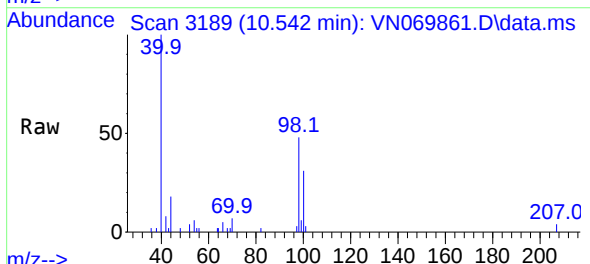
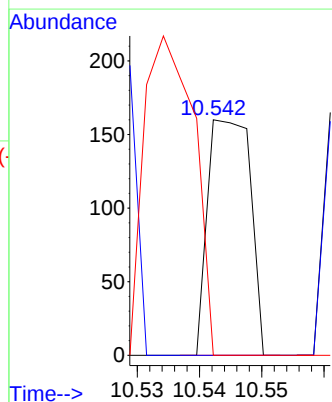
Ion	Ratio	Lower	Upper
75	100		
77	196.0	26.4	39.6#
39	359.7	42.5	63.7#

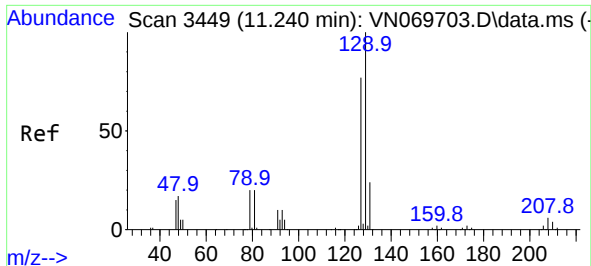


#56
Ethyl methacrylate
Concen: 2.282 ug/l
RT: 10.542 min Scan# 3189
Delta R.T. -0.220 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

Tgt Ion: 69 Resp: 76

Ion	Ratio	Lower	Upper
69	100		
41	0.0	51.4	77.0#
39	159.2	34.6	52.0#

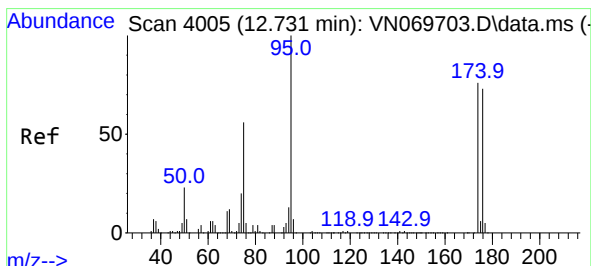
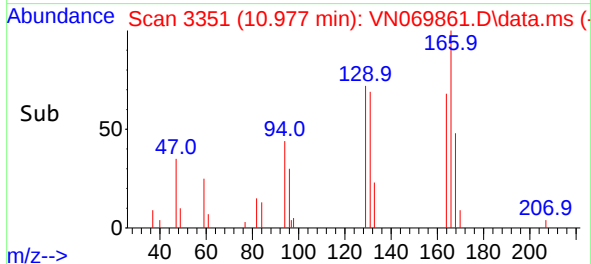
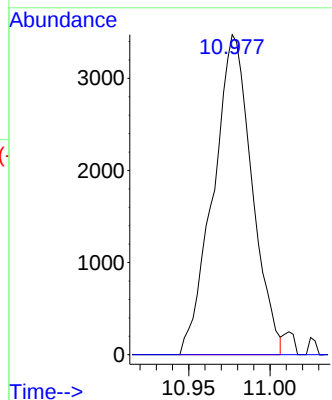
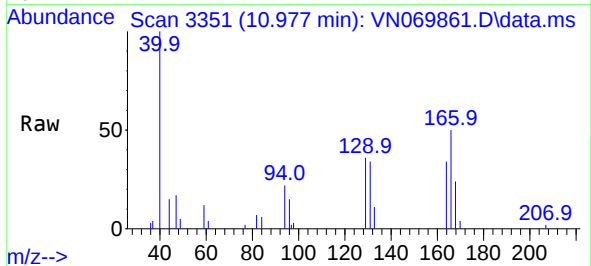




#60
Dibromochloromethane
Concen: 2.699 ug/l
RT: 10.977 min Scan# 311
Delta R.T. -0.263 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

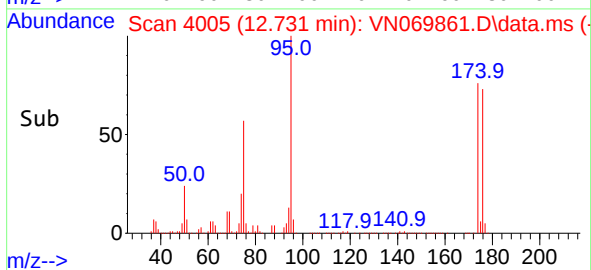
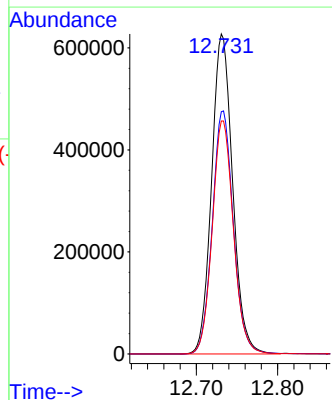
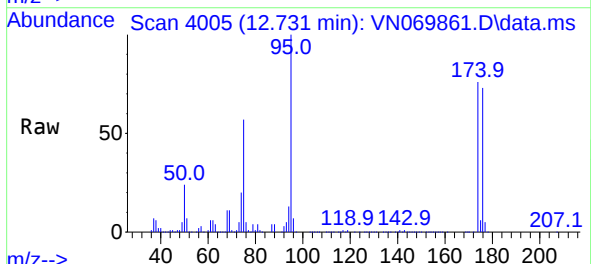
Instrument :
MSVOA_N
ClientSampleId :
RW4-20211206DL

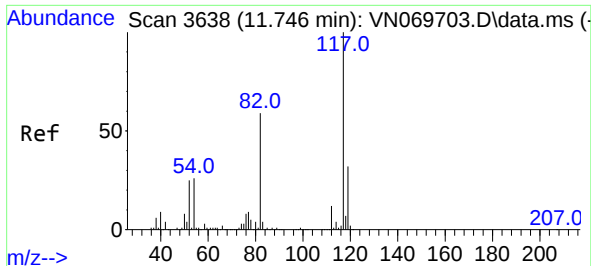
Tgt Ion:129 Resp: 5751
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 55.871 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

Tgt Ion: 95 Resp: 1126539
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 73.4 0.0 181.4



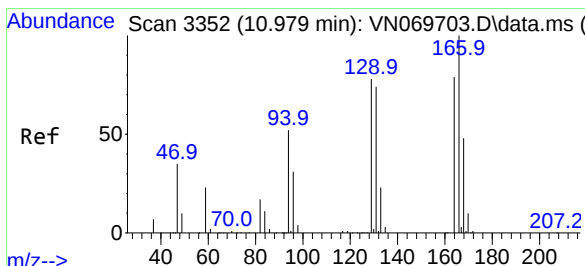
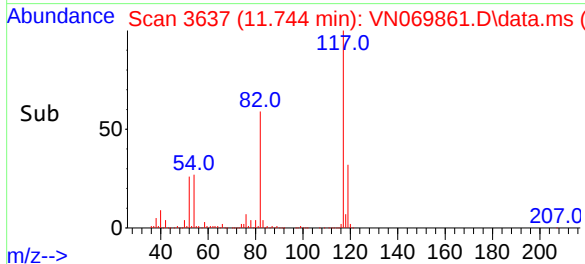
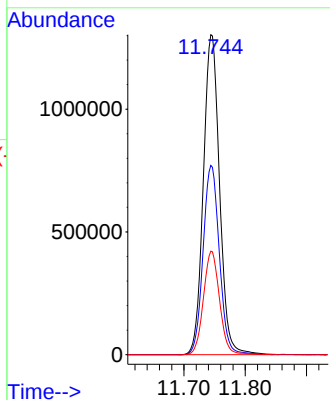
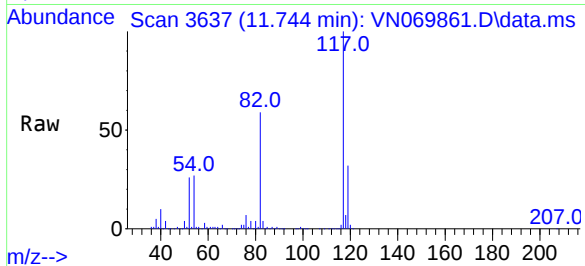


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

Instrument :
MSVOA_N
ClientSampleId :
RW4-20211206DL

Tgt Ion:117 Resp: 2398469

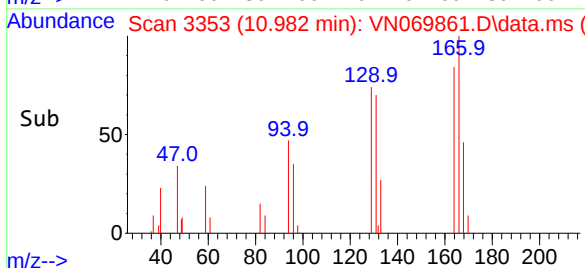
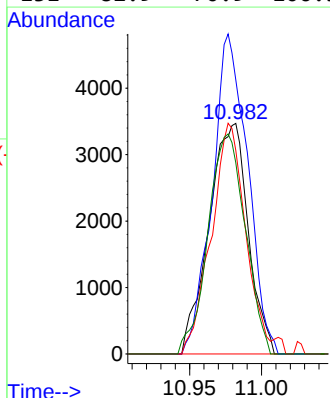
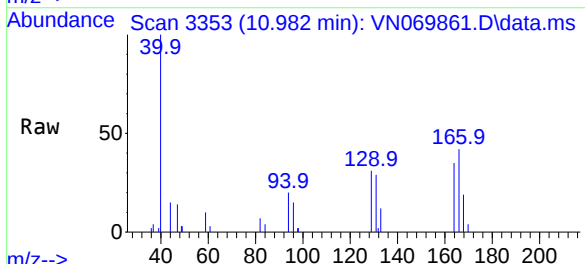
Ion	Ratio	Lower	Upper
117	100		
82	59.2	42.4	63.6
119	32.3	25.4	38.2

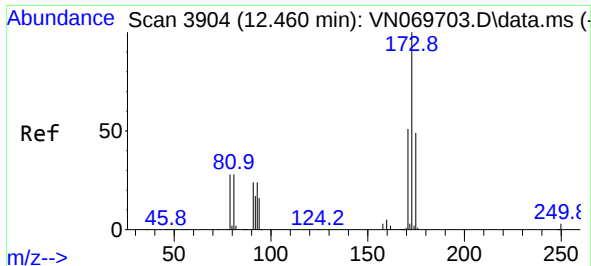


#64
Tetrachloroethene
Concen: 0.405 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. 0.003 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

Tgt Ion:164 Resp: 6587

Ion	Ratio	Lower	Upper
164	100		
166	118.9	101.9	152.9
129	88.3	72.0	108.0
131	82.9	70.9	106.3

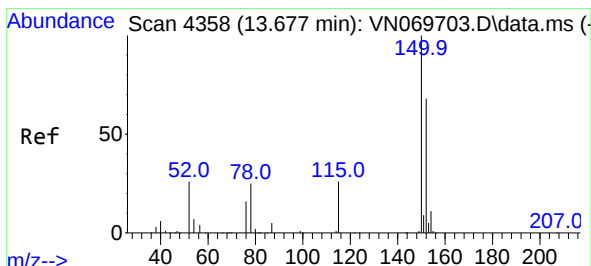
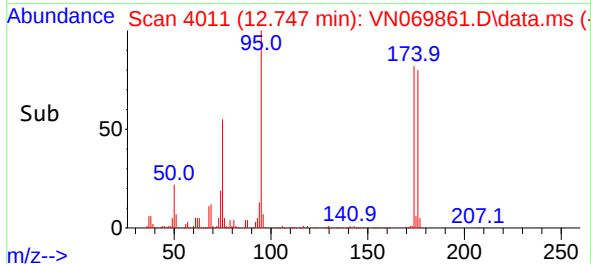
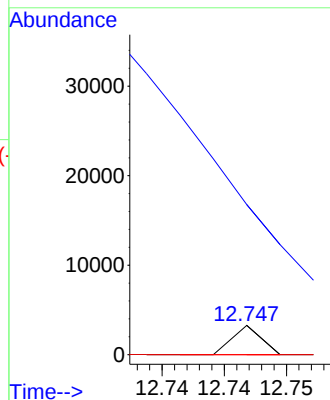
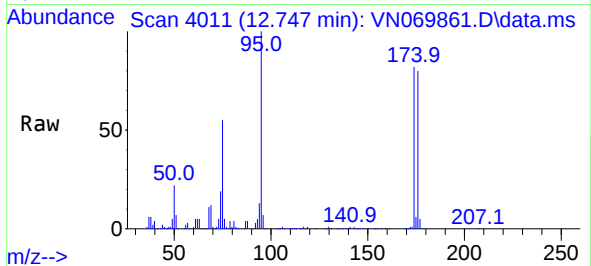




#71
Bromoform
Concen: 2.765 ug/l
RT: 12.747 min Scan# 4011
Delta R.T. 0.287 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

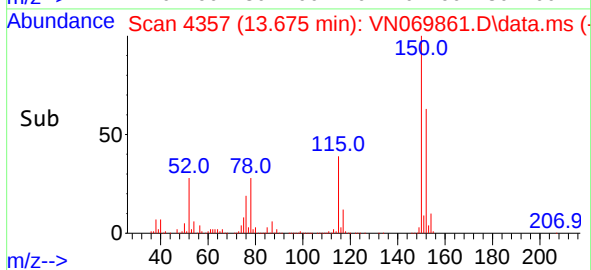
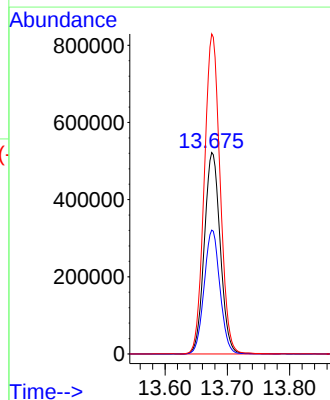
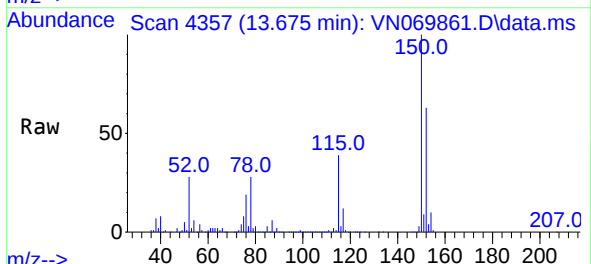
Instrument :
MSVOA_N
ClientSampleId :
RW4-20211206DL

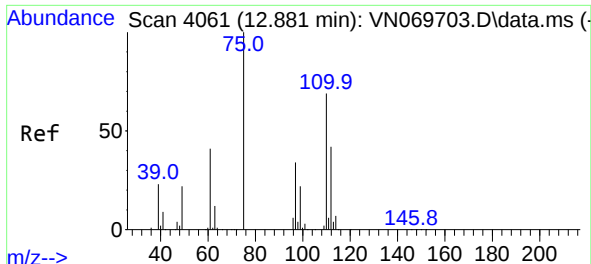
Tgt Ion:173 Resp: 526
Ion Ratio Lower Upper
173 100
175 12175.1 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

Tgt Ion:152 Resp: 925225
Ion Ratio Lower Upper
152 100
115 60.9 27.5 82.5
150 157.8 0.0 344.4

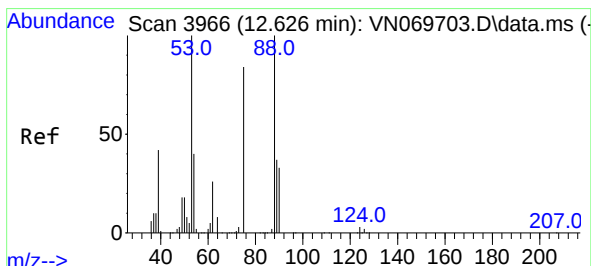
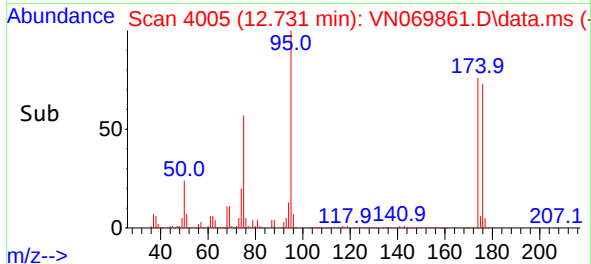
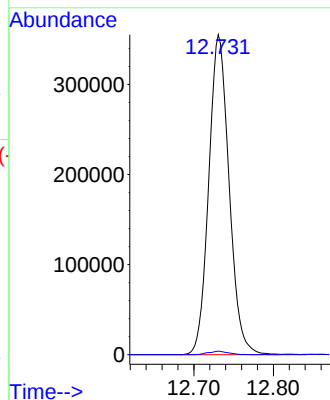
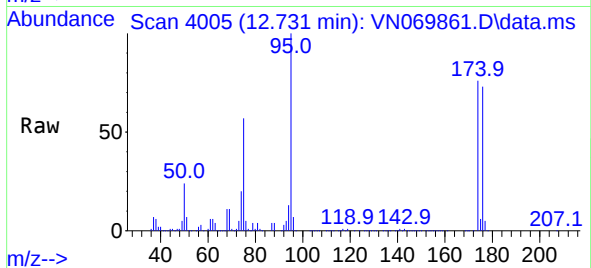




#76
1,2,3-Trichloropropane
Concen: 23.777 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

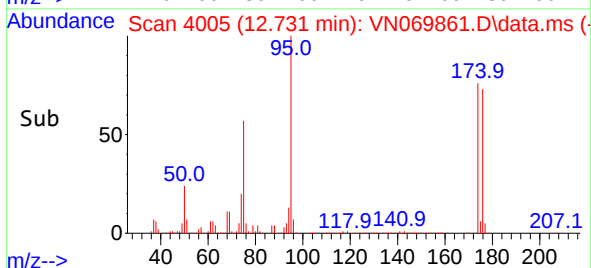
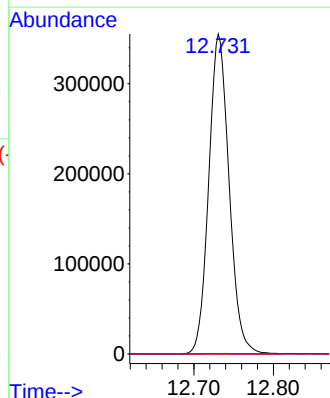
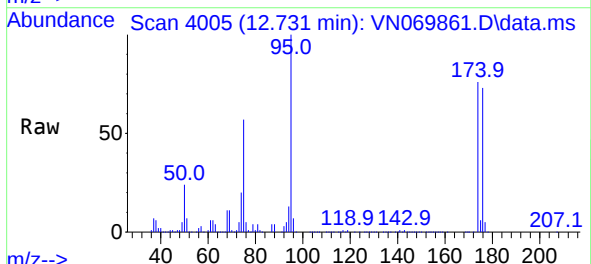
Instrument :
MSVOA_N
ClientSampleId :
RW4-20211206DL

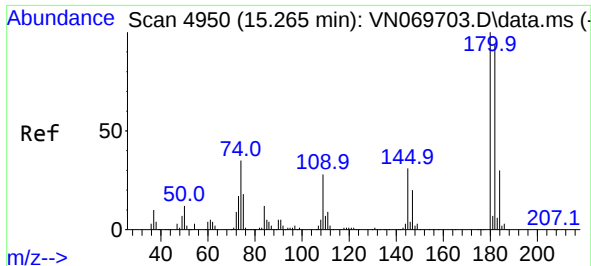
Tgt Ion: 75 Resp: 630877
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.559 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

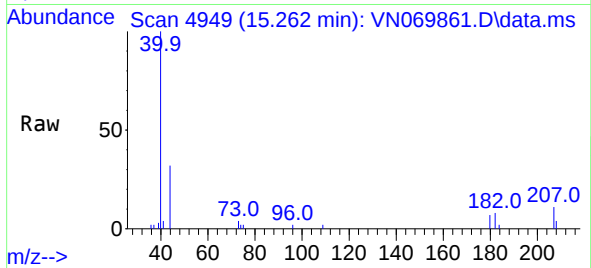
Tgt Ion: 75 Resp: 630877
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



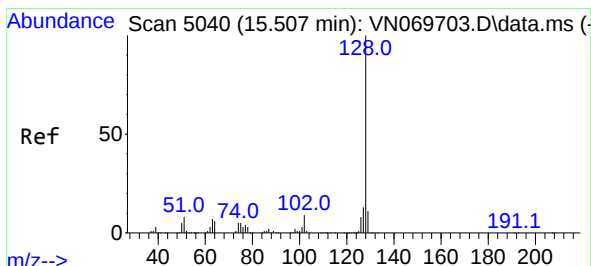
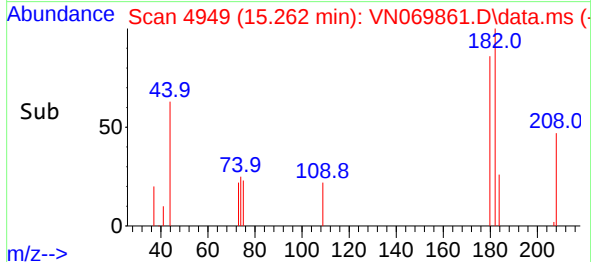
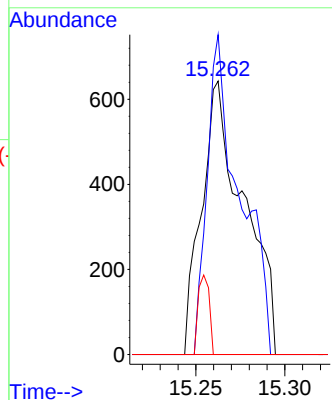


#93
1,2,4-Trichlorobenzene
Concen: 2.944 ug/l
RT: 15.262 min Scan# 4950
Delta R.T. -0.003 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

Instrument :
MSVOA_N
ClientSampleId :
RW4-20211206DL

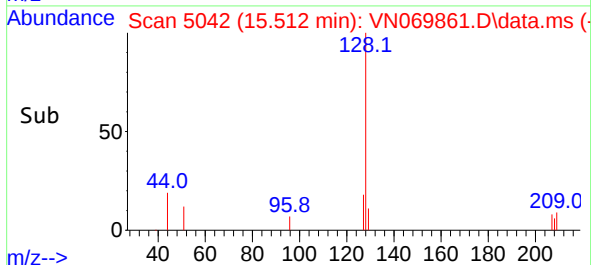
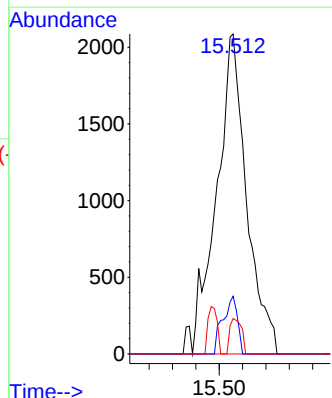
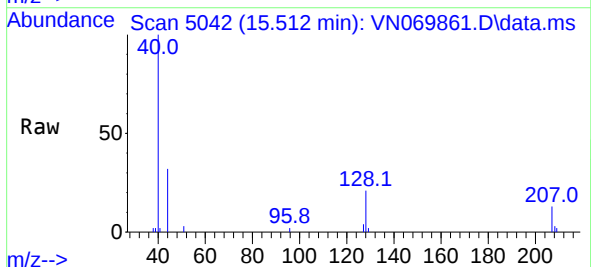


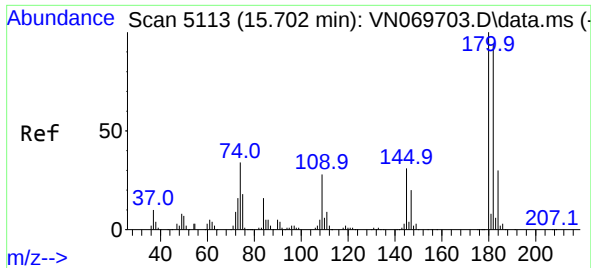
Tgt Ion:180 Resp: 1062
Ion Ratio Lower Upper
180 100
182 90.0 48.3 144.9
145 7.6 14.5 43.5#



#95
Naphthalene
Concen: 4.062 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

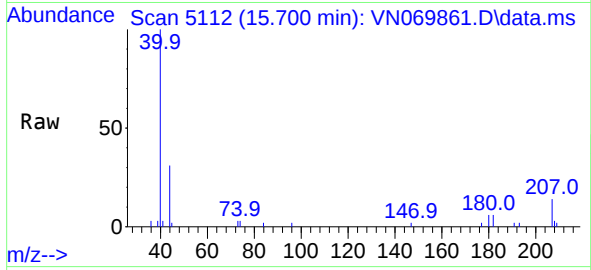
Tgt Ion:128 Resp: 3773
Ion Ratio Lower Upper
128 100
127 8.6 10.5 15.7#
129 4.2 8.7 13.1#





#96
1,2,3-Trichlorobenzene
Concen: 2.491 ug/l
RT: 15.700 min Scan# 51
Delta R.T. -0.002 min
Lab File: VN069861.D
Acq: 8 Dec 2021 15:13

Instrument :
MSVOA_N
ClientSampleId :
RW4-20211206DL



Tgt Ion:180 Resp: 863
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.2#
145 3.2 15.0 45.1#

