

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021622\
 Data File : VN070961.D
 Acq On : 16 Feb 2022 16:38
 Operator : JC\MD
 Sample : N1573-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-20R

Quant Time: Feb 17 04:11:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 16 07:52:42 2022
 Response via : Initial Calibration

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

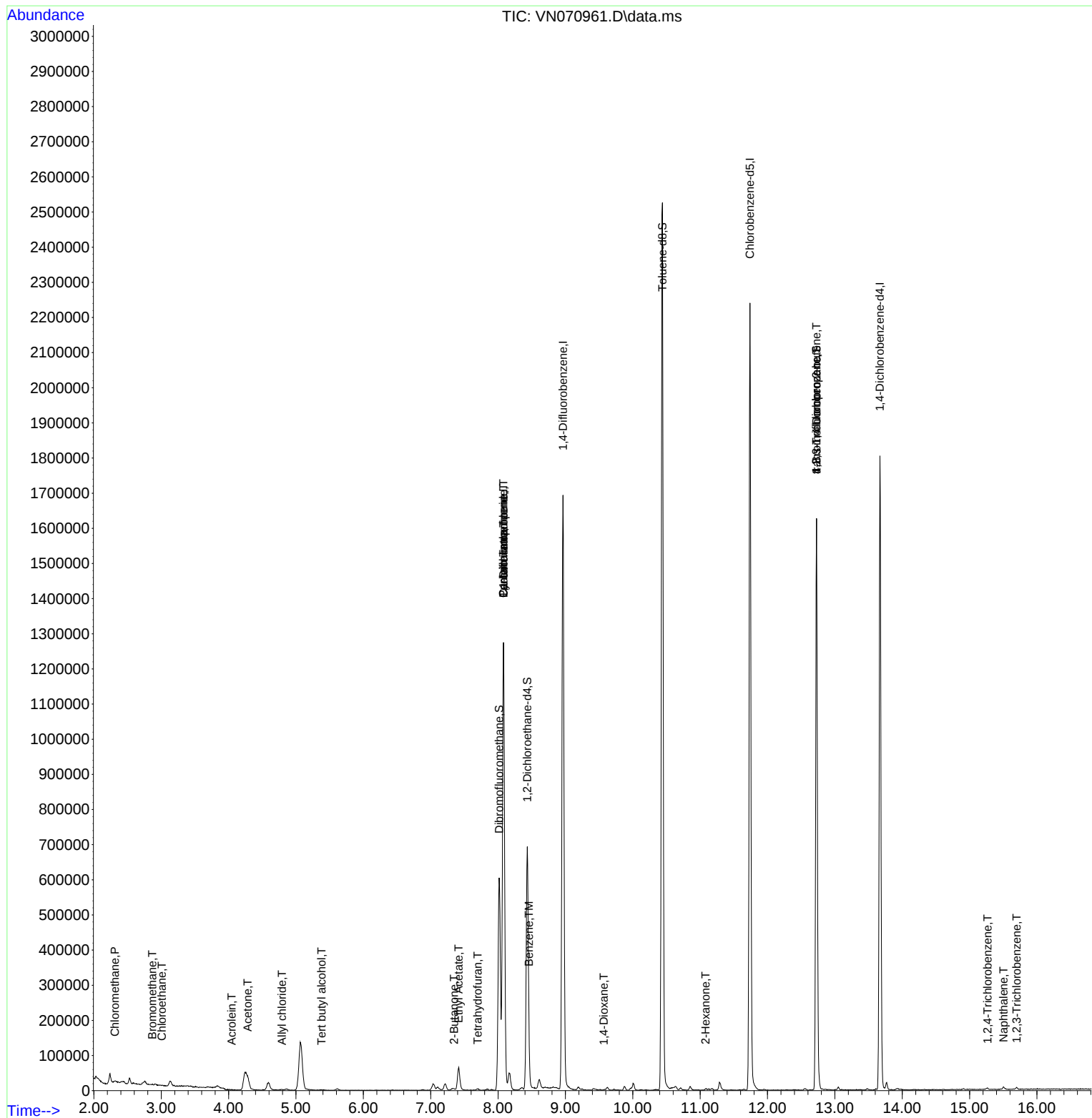
Internal Standards						
1) Pentafluorobenzene	8.081	168	1013365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1530728	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1357415	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	527191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	562030	48.552	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.100%		
35) Dibromofluoromethane	8.016	113	455186	49.994	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.980%		
50) Toluene-d8	10.439	98	1808603	49.464	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.920%		
62) 4-Bromofluorobenzene	12.727	95	582027	44.533	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.060%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.310	50	2713	0.205	ug/l #	77
5) Bromomethane	2.869	94	1897	0.252	ug/l	97
6) Chloroethane	3.010	64	2180	0.251	ug/l #	42
11) Tert butyl alcohol	5.381	59	1691	0.802	ug/l #	71
13) Acrolein	4.046	56	734	0.389	ug/l #	58
14) Allyl chloride	4.793	41	3863	0.204	ug/l #	21
16) Acetone	4.281	43	78761	12.355	ug/l	98
18) Methyl Acetate	4.857	43	6415	Below Cal		100
25) 2-Butanone	7.345	43	5659	0.667	ug/l	92
29) Tetrahydrofuran	7.698	42	3194	0.581	ug/l #	79
31) Cyclohexane	8.081	56	19183	0.958	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	72507	4.861	ug/l #	48
37) Ethyl Acetate	7.416	43	101885	6.369	ug/l	98
38) Carbon Tetrachloride	8.081	117	94888	6.456	ug/l #	17
40) Benzene	8.457	78	13356	0.303	ug/l	91
49) 1,4-Dioxane	9.569	88	87	0.410	ug/l #	72
59) 2-Hexanone	11.080	43	3809	0.361	ug/l	96
76) 1,2,3-Trichloropropane	12.727	75	289647	23.335	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	289647	75.615	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	1801	2.177	ug/l	95
95) Naphthalene	15.504	128	7112	5.261	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.698	180	1917	2.719	ug/l	90

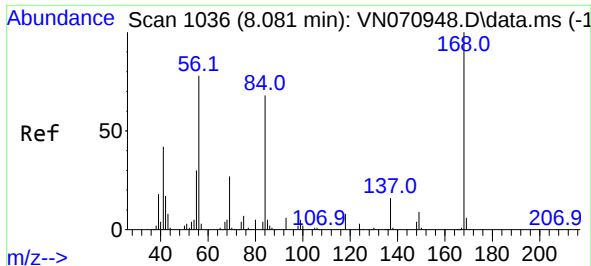
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

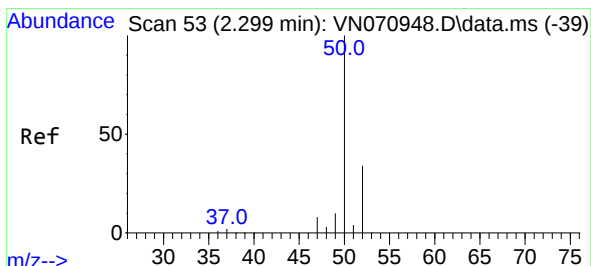
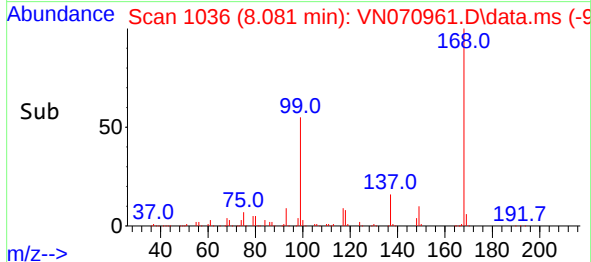
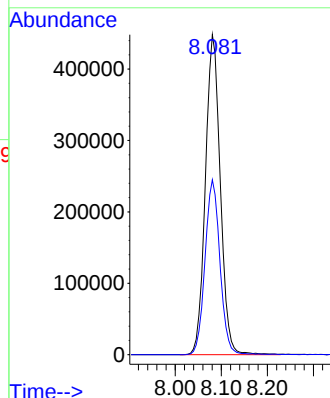
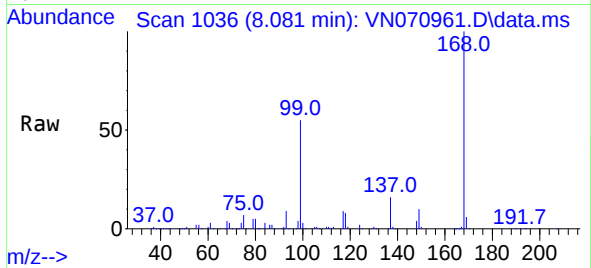




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

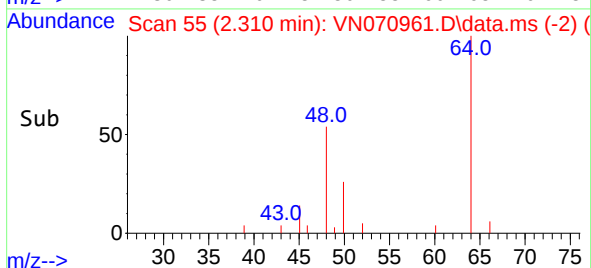
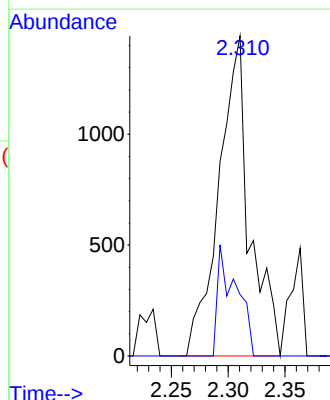
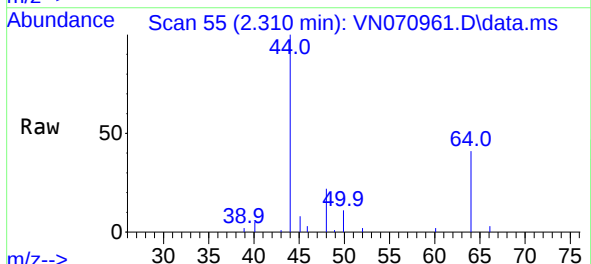
Instrument :
MSVOA_N
ClientSampleId :
MW-20R

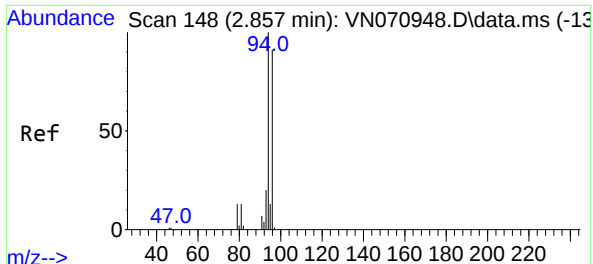
Tgt Ion:168 Resp: 1013365
Ion Ratio Lower Upper
168 100
99 54.7 41.3 61.9



#3
Chloromethane
Concen: 0.205 ug/l
RT: 2.310 min Scan# 55
Delta R.T. 0.012 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

Tgt Ion: 50 Resp: 2713
Ion Ratio Lower Upper
50 100
52 19.2 25.4 38.0#

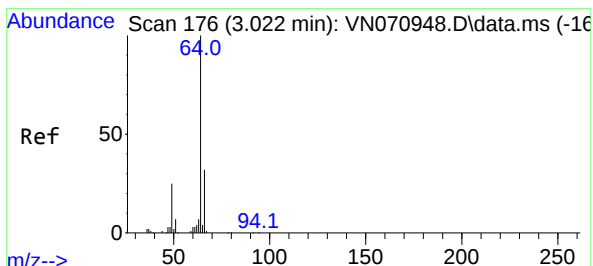
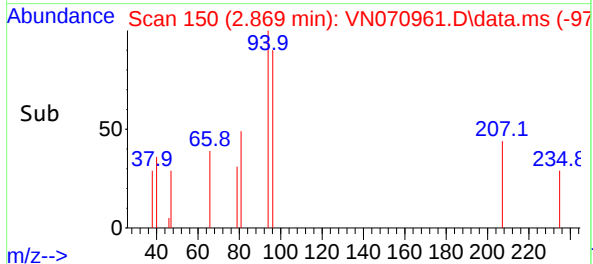
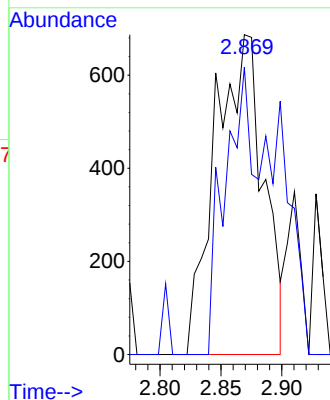
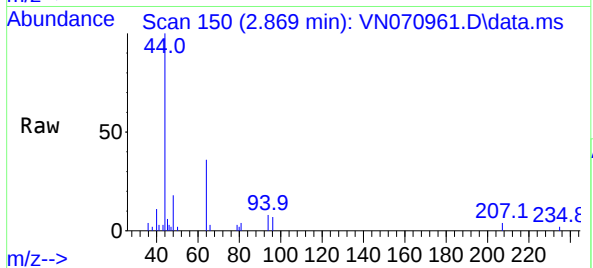




#5
Bromomethane
Concen: 0.252 ug/l
RT: 2.869 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

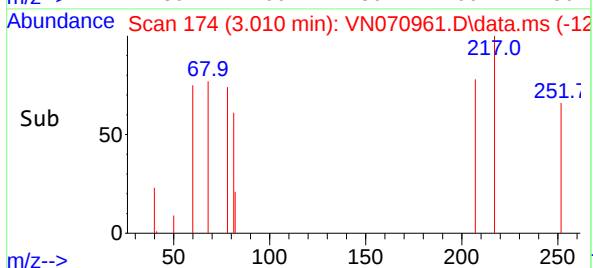
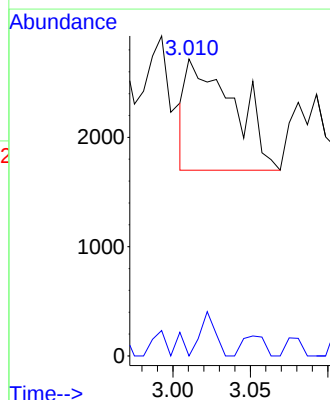
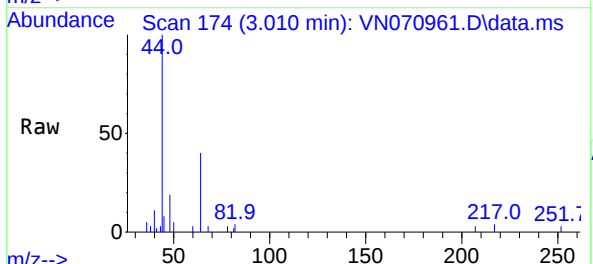
Instrument :
MSVOA_N
ClientSampleId :
MW-20R

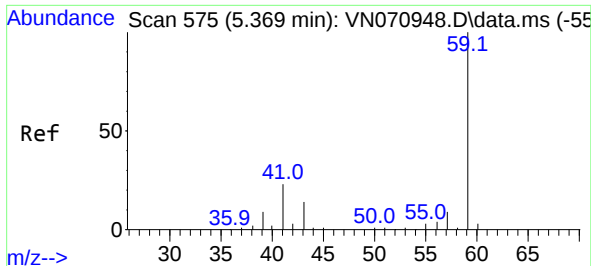
Tgt Ion: 94 Resp: 1897
Ion Ratio Lower Upper
94 100
96 89.8 73.8 110.8



#6
Chloroethane
Concen: 0.251 ug/l
RT: 3.010 min Scan# 174
Delta R.T. -0.012 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

Tgt Ion: 64 Resp: 2180
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#

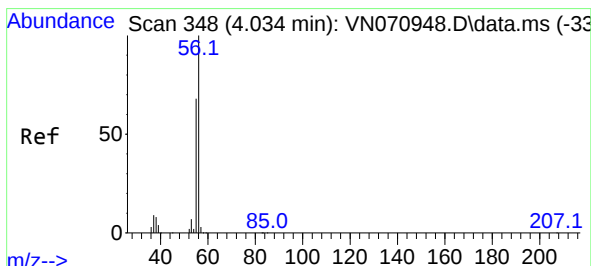
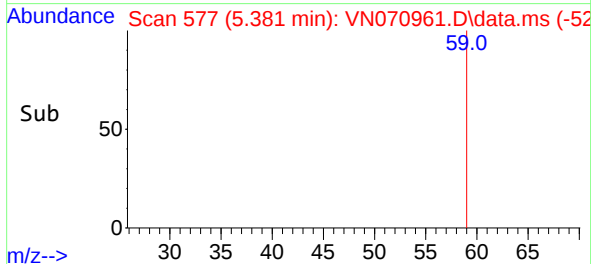
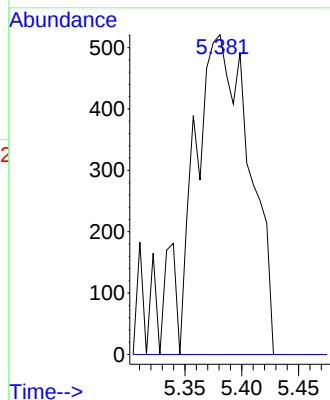
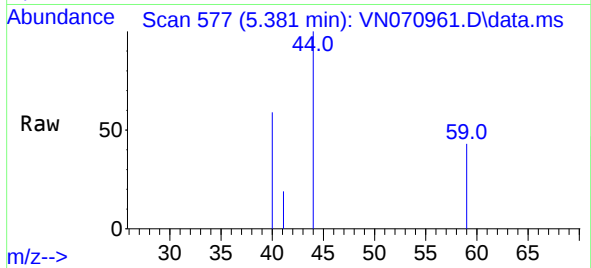




#11
Tert butyl alcohol
Concen: 0.802 ug/l
RT: 5.381 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

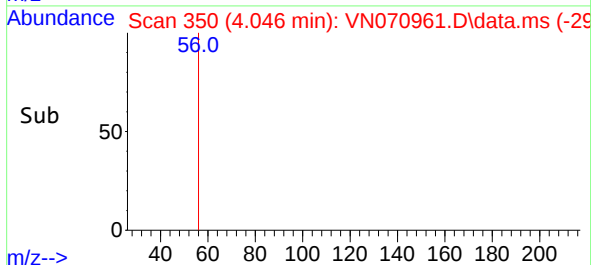
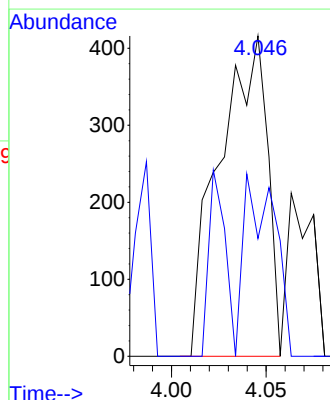
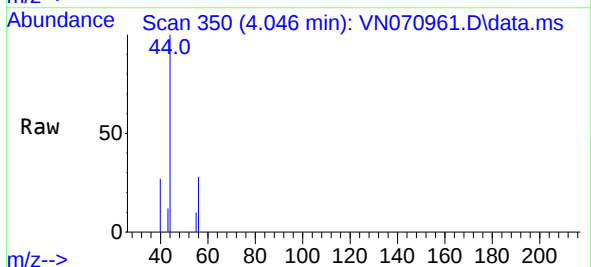
Instrument :
MSVOA_N
ClientSampleId :
MW-20R

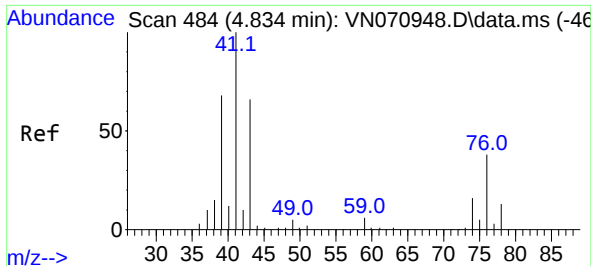
Tgt Ion: 59 Resp: 1691
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.389 ug/l
RT: 4.046 min Scan# 350
Delta R.T. 0.012 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

Tgt Ion: 56 Resp: 734
Ion Ratio Lower Upper
56 100
55 36.5 56.6 85.0#

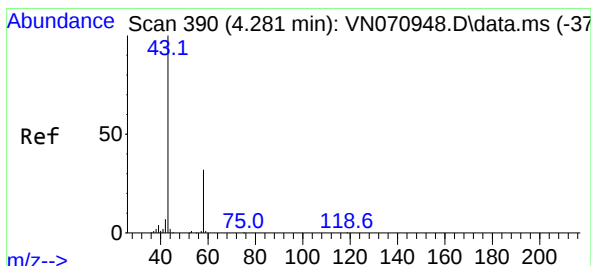
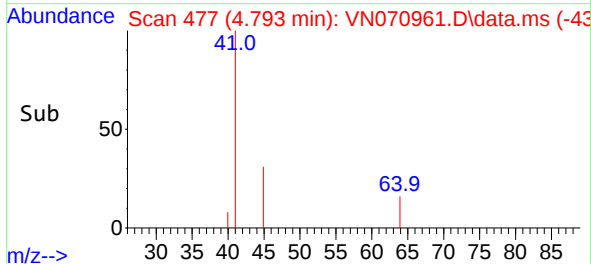
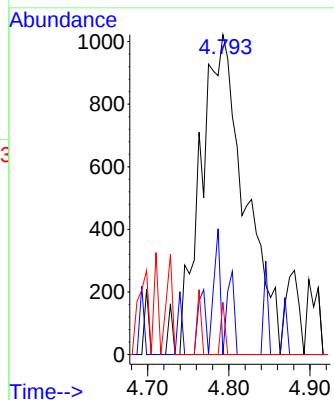
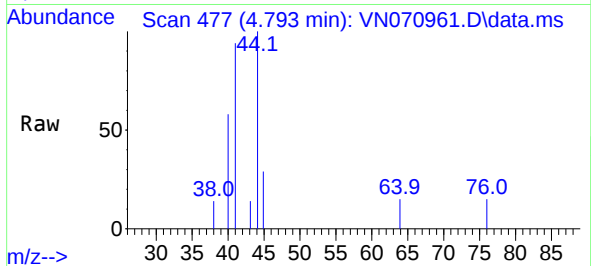




#14
 Allyl chloride
 Concen: 0.204 ug/l
 RT: 4.793 min Scan# 41
 Delta R.T. -0.041 min
 Lab File: VN070961.D
 Acq: 16 Feb 2022 16:38

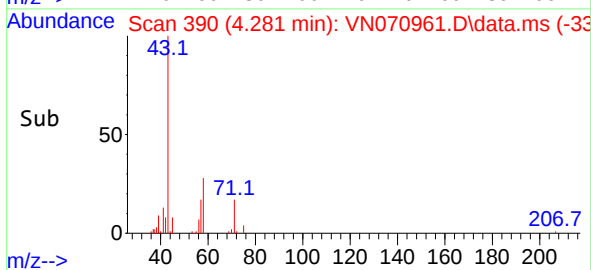
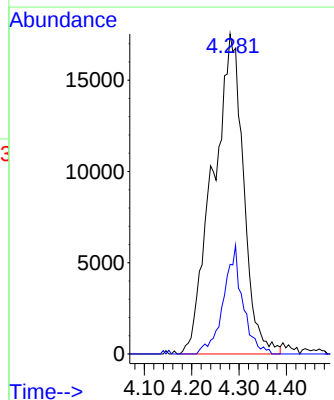
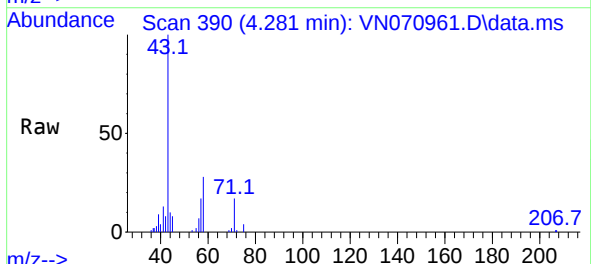
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-20R

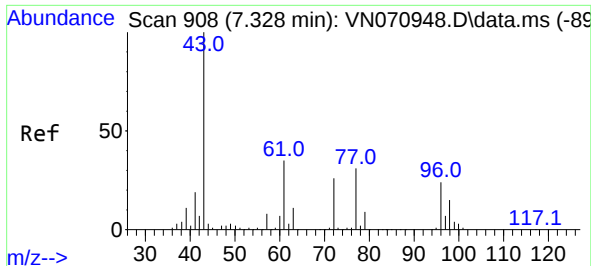
Tgt Ion: 41 Resp: 3863
 Ion Ratio Lower Upper
 41 100
 39 0.0 61.2 91.8#
 76 1.5 26.0 39.0#



#16
 Acetone
 Concen: 12.355 ug/l
 RT: 4.281 min Scan# 390
 Delta R.T. 0.000 min
 Lab File: VN070961.D
 Acq: 16 Feb 2022 16:38

Tgt Ion: 43 Resp: 78761
 Ion Ratio Lower Upper
 43 100
 58 28.0 23.1 34.7

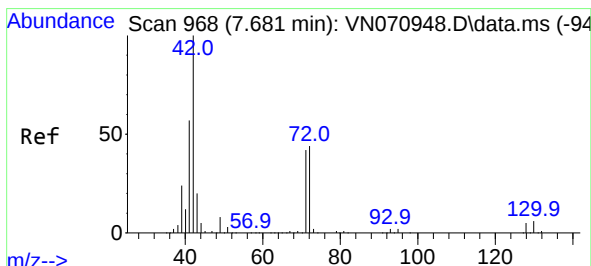
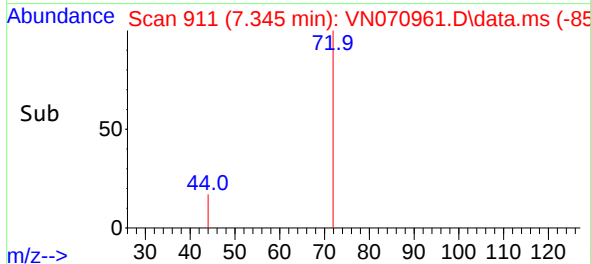
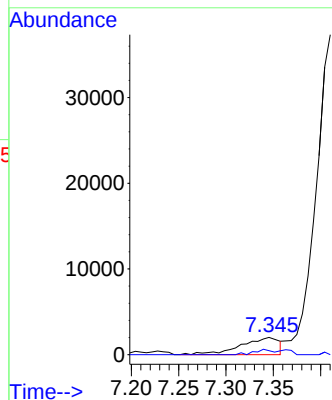
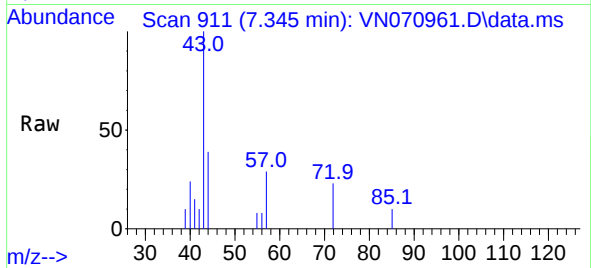




#25
2-Butanone
Concen: 0.667 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.018 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

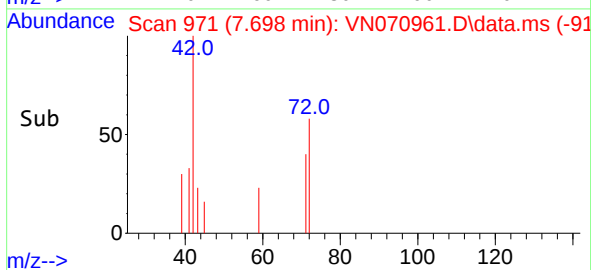
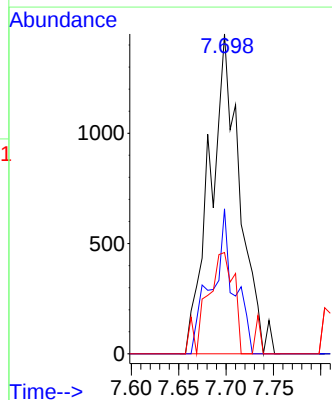
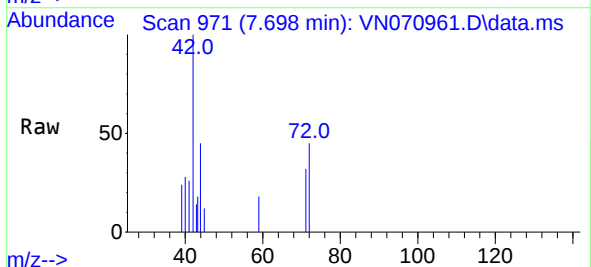
Instrument :
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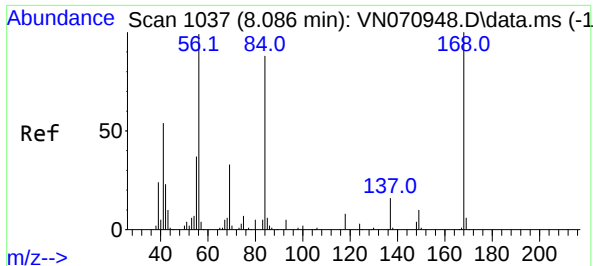
Tgt Ion: 43 Resp: 5659
Ion Ratio Lower Upper
43 100
72 23.2 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.581 ug/l
RT: 7.698 min Scan# 971
Delta R.T. 0.018 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

Tgt Ion: 42 Resp: 3194
Ion Ratio Lower Upper
42 100
72 33.7 36.3 54.5#
71 28.3 34.7 52.1#





#31

Cyclohexane

Concen: 0.958 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN070961.D

Acq: 16 Feb 2022 16:38

Instrument :

MSVOA_N

ClientSampleId :

MW-20R

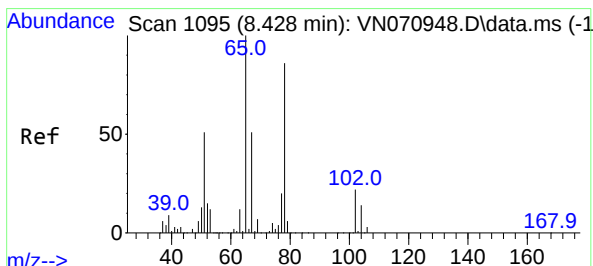
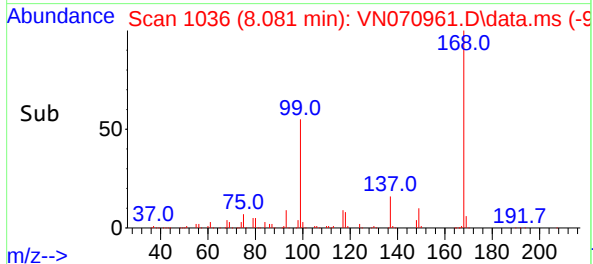
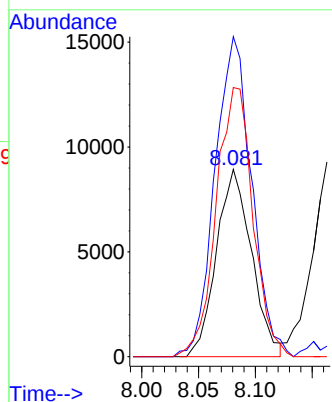
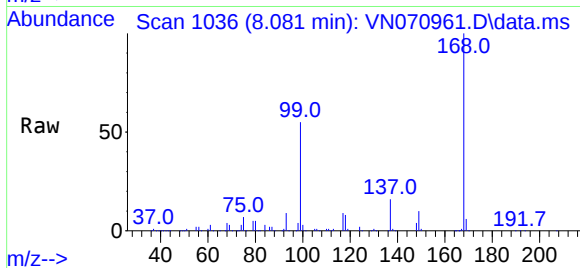
Tgt Ion: 56 Resp: 19183

Ion Ratio Lower Upper

56 100

69 167.8 27.1 40.7#

84 141.7 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 48.552 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. 0.006 min

Lab File: VN070961.D

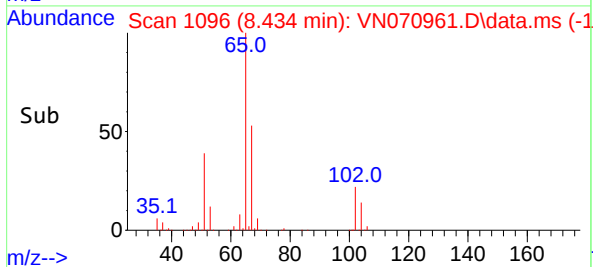
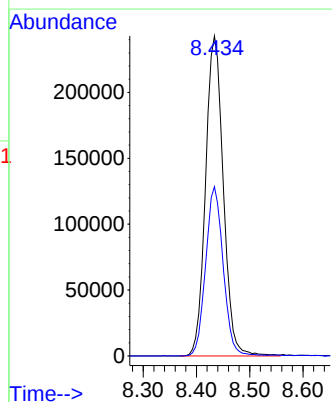
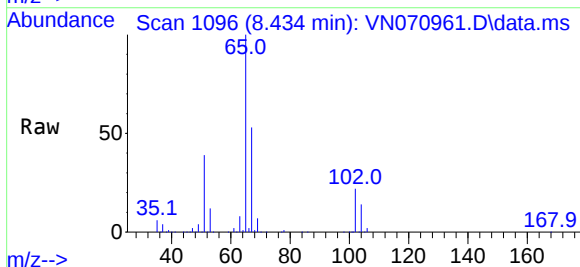
Acq: 16 Feb 2022 16:38

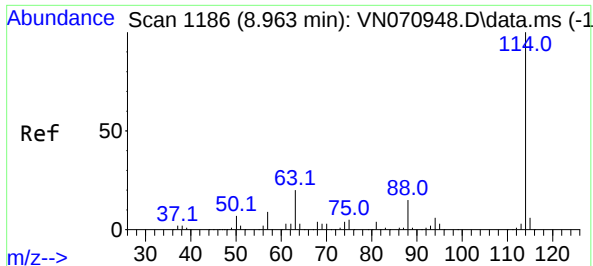
Tgt Ion: 65 Resp: 562030

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN070961.D

Acq: 16 Feb 2022 16:38

Instrument :

MSVOA_N

ClientSampleId :

MW-20R

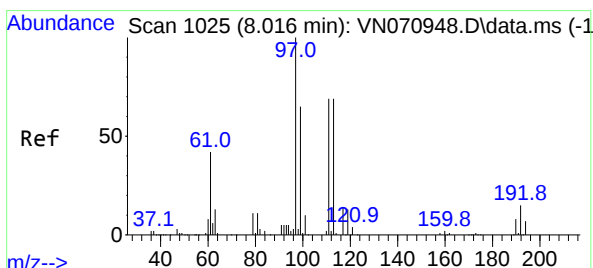
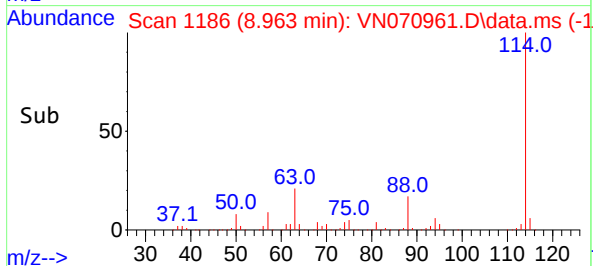
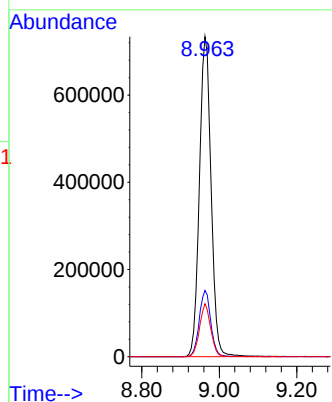
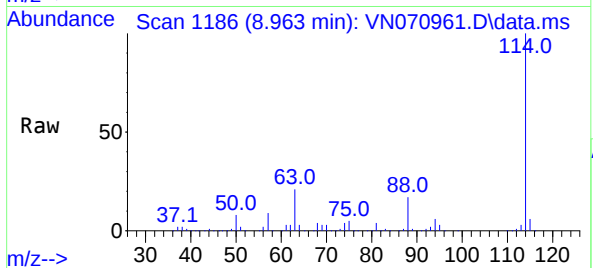
Tgt Ion:114 Resp: 1530728

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.8

88 16.5 0.0 27.4



#35

Dibromofluoromethane

Concen: 49.994 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. 0.000 min

Lab File: VN070961.D

Acq: 16 Feb 2022 16:38

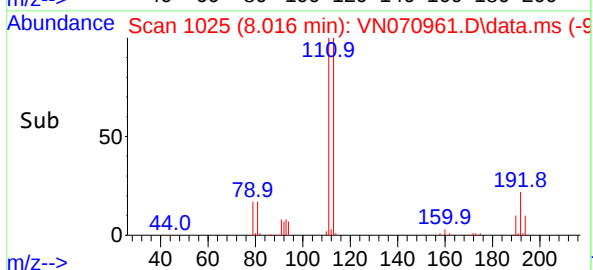
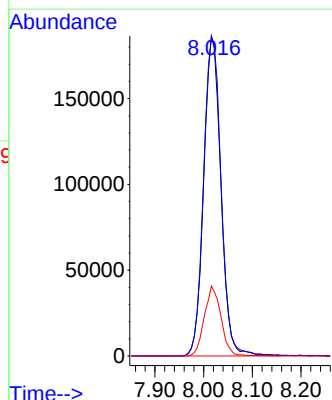
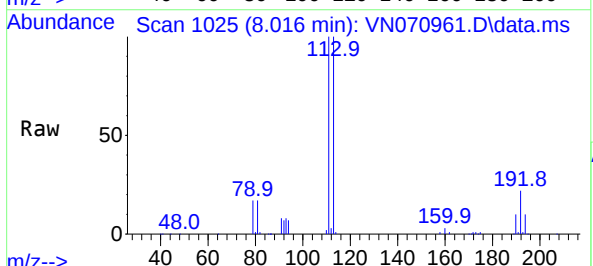
Tgt Ion:113 Resp: 455186

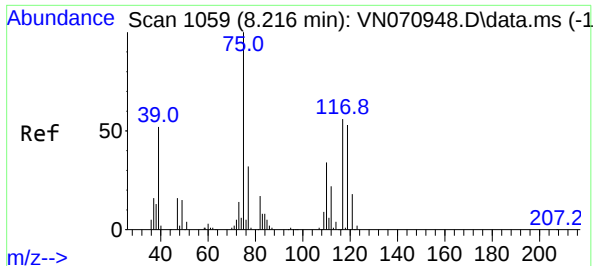
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

192 21.1 16.9 25.3

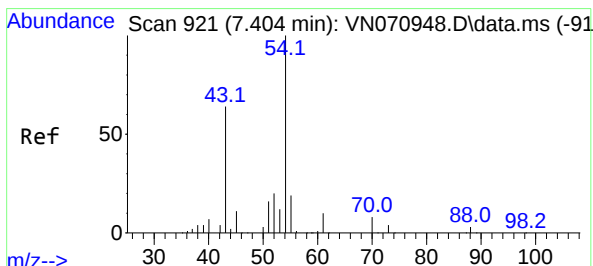
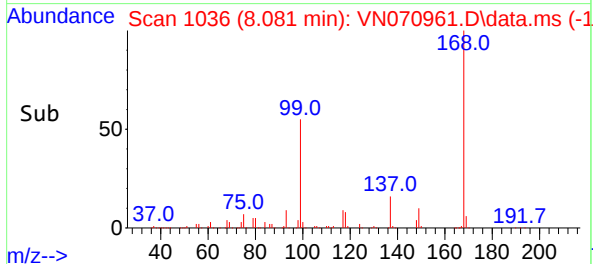
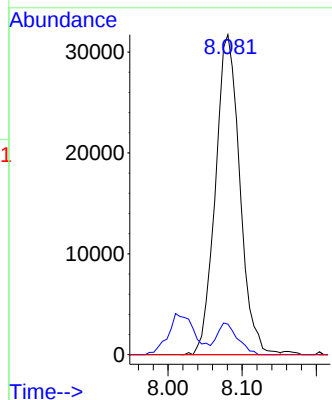
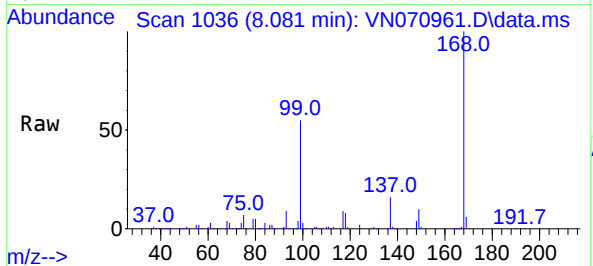




#36
1,1-Dichloropropene
Concen: 4.861 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

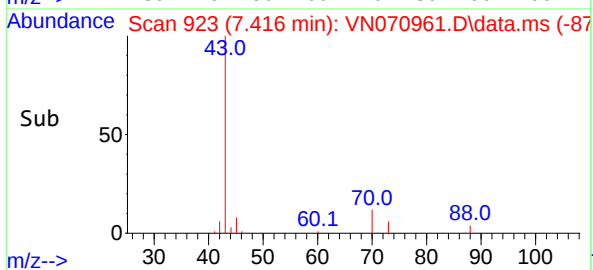
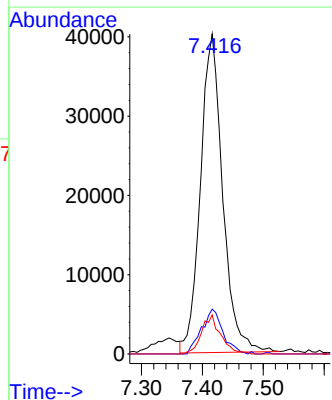
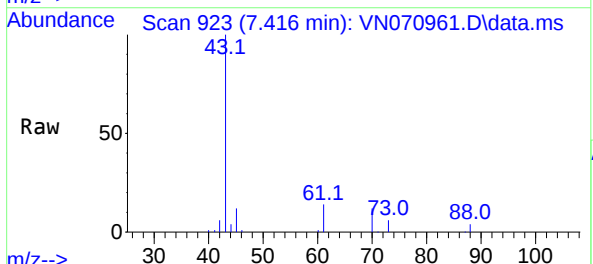
Instrument :
MSVOA_N
ClientSampleId :
MW-20R

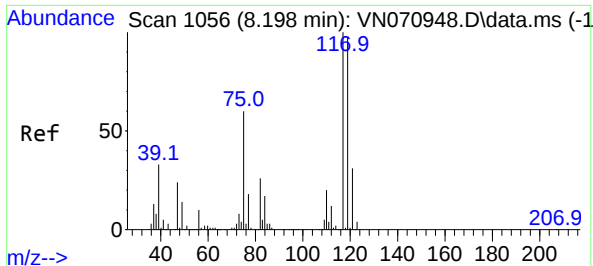
Tgt Ion: 75 Resp: 72507
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 6.369 ug/l
RT: 7.416 min Scan# 923
Delta R.T. 0.012 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

Tgt Ion: 43 Resp: 101885
Ion Ratio Lower Upper
43 100
61 13.5 11.5 17.3
70 10.5 7.9 11.9

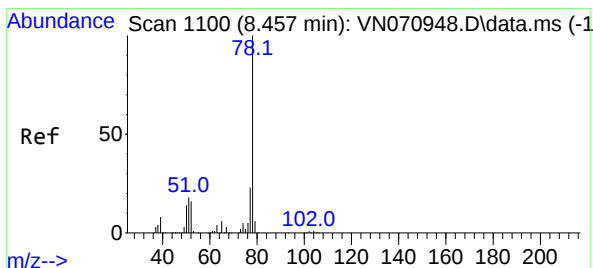
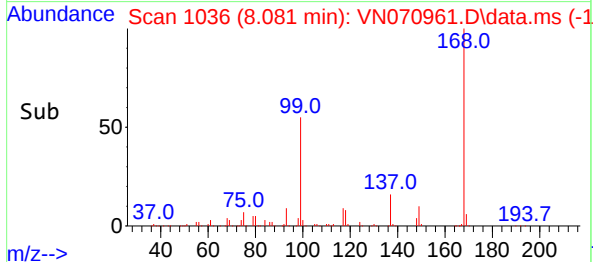
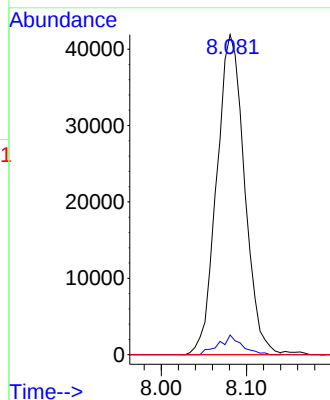
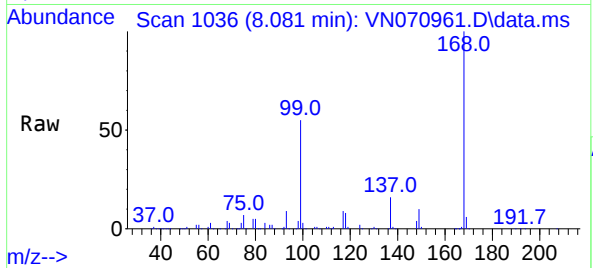




#38
Carbon Tetrachloride
Concen: 6.456 ug/l
RT: 8.081 min Scan# 1100
Delta R.T. -0.118 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

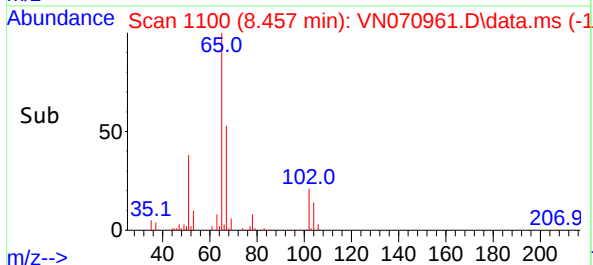
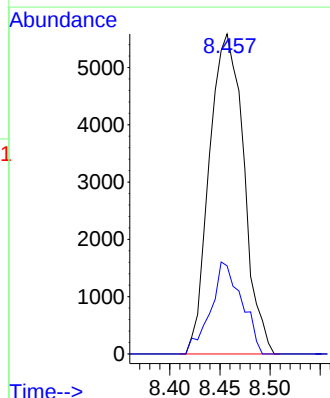
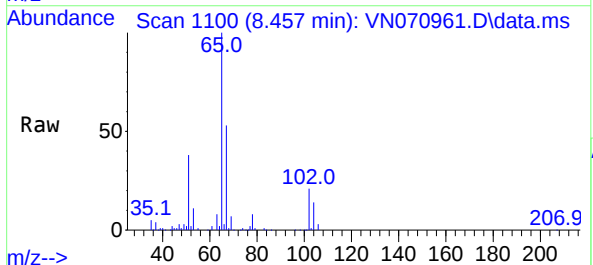
Instrument :
MSVOA_N
ClientSampleId :
MW-20R

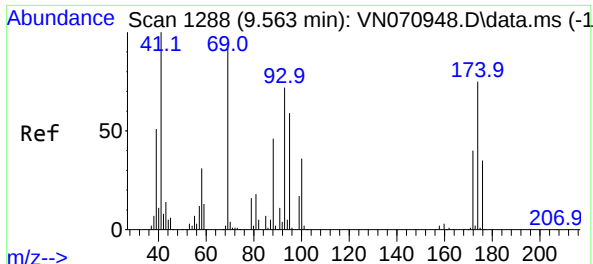
Tgt Ion:117 Resp: 94888
Ion Ratio Lower Upper
117 100
119 6.1 76.1 114.1#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.303 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

Tgt Ion: 78 Resp: 13356
Ion Ratio Lower Upper
78 100
77 27.6 18.6 27.8

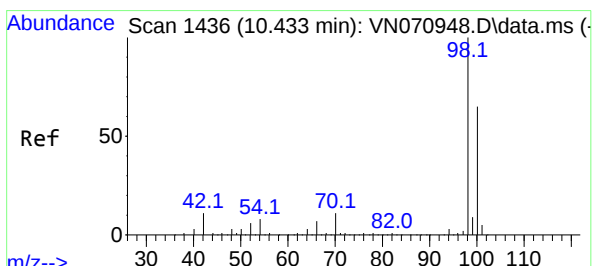
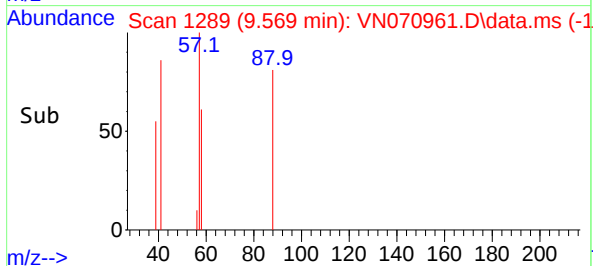
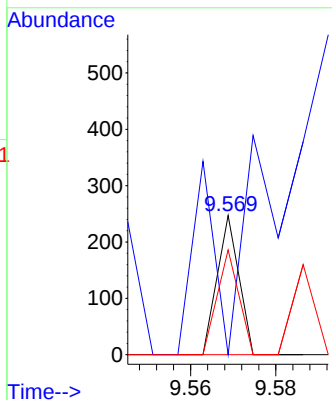
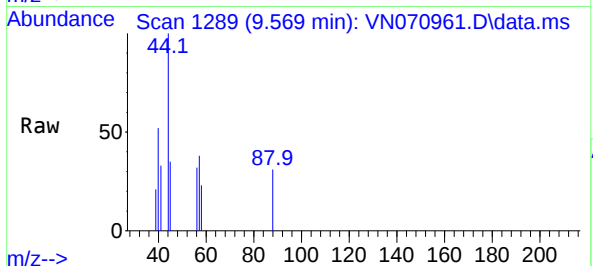




#49
1,4-Dioxane
Concen: 0.410 ug/l
RT: 9.569 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

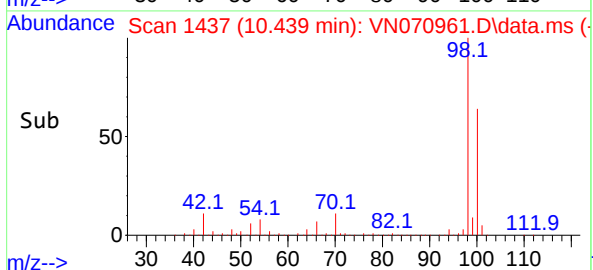
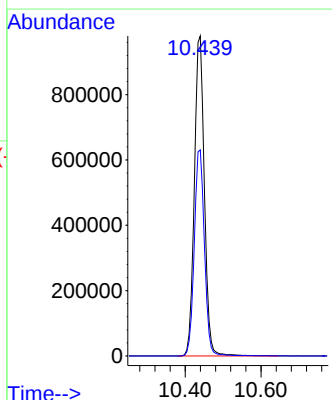
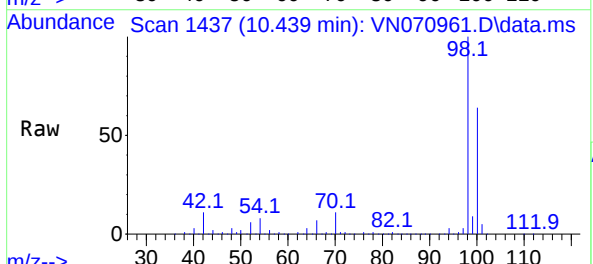
Instrument :
MSVOA_N
ClientSampleId :
MW-20R

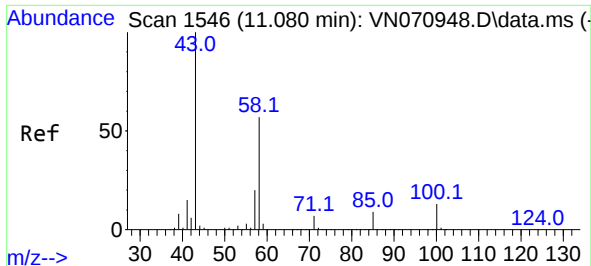
Tgt Ion: 88 Resp: 87
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 75.9 50.6 75.8#



#50
Toluene-d8
Concen: 49.464 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

Tgt Ion: 98 Resp: 1808603
Ion Ratio Lower Upper
98 100
100 65.4 50.4 75.6

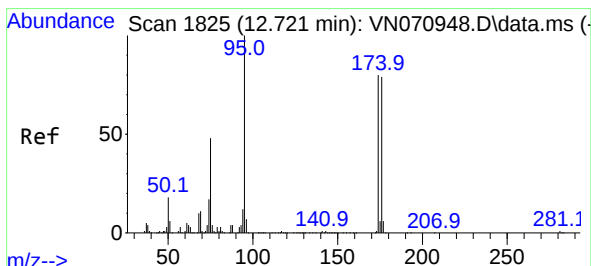
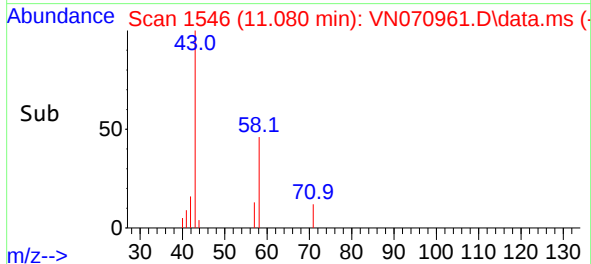
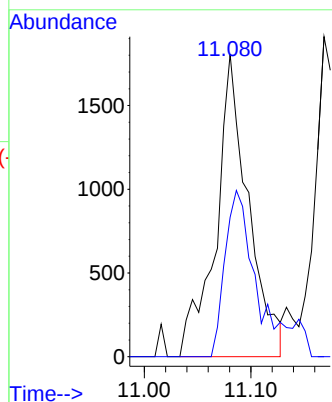
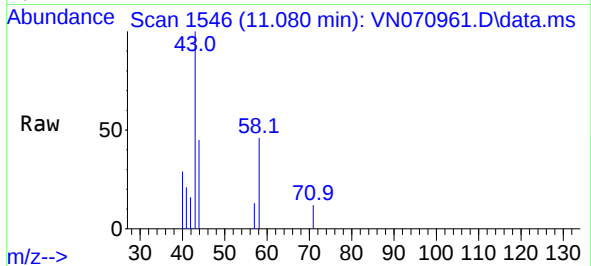




#59
2-Hexanone
Concen: 0.361 ug/l
RT: 11.080 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

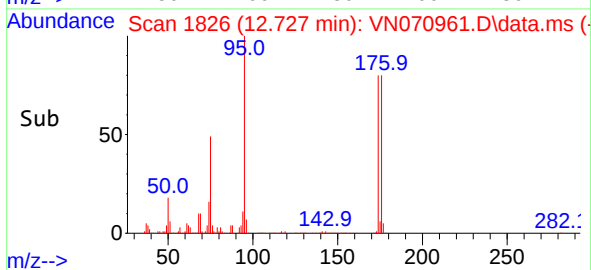
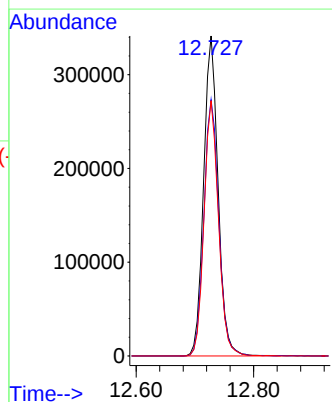
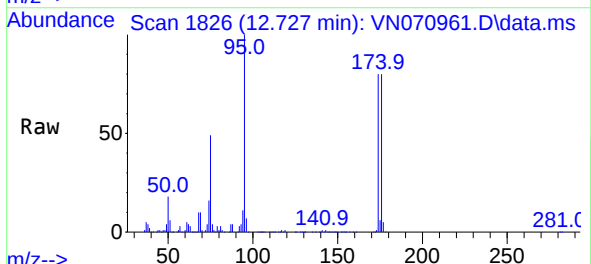
Instrument :
MSVOA_N
ClientSampleId :
MW-20R

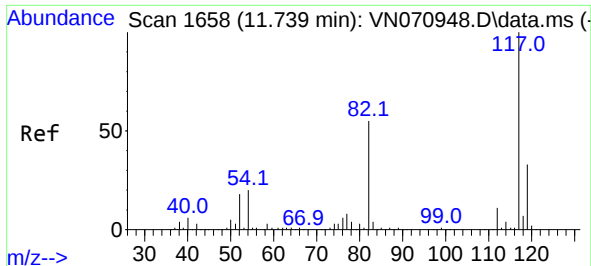
Tgt Ion: 43 Resp: 3809
Ion Ratio Lower Upper
43 100
58 56.8 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 44.533 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

Tgt Ion: 95 Resp: 582027
Ion Ratio Lower Upper
95 100
174 82.8 0.0 187.2
176 79.9 0.0 181.4

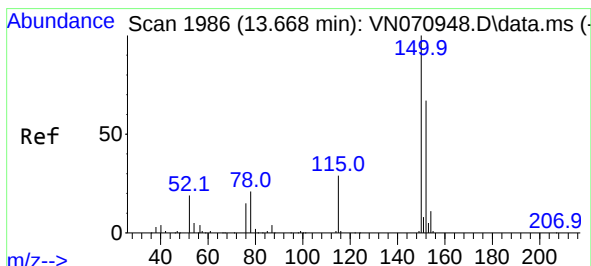
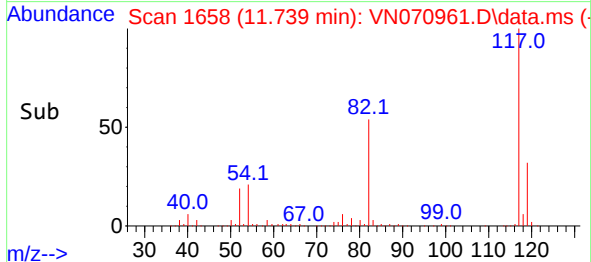
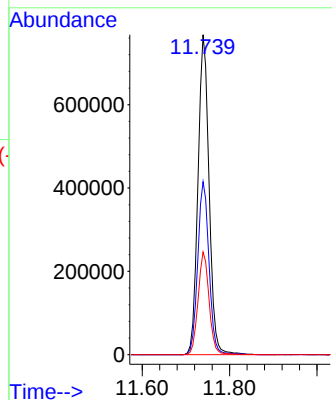
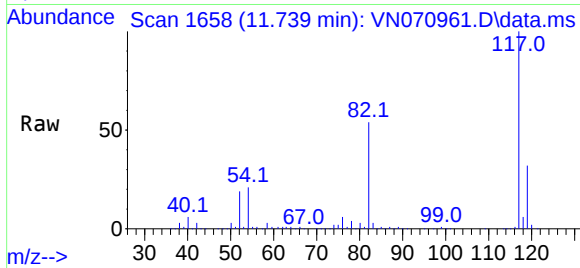




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

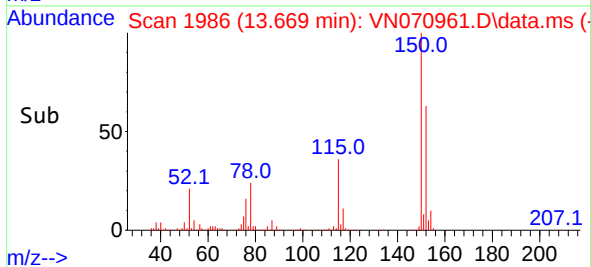
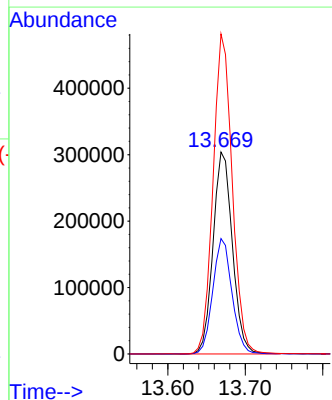
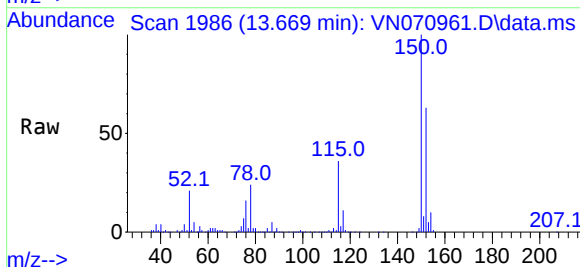
Instrument :
MSVOA_N
ClientSampleId :
MW-20R

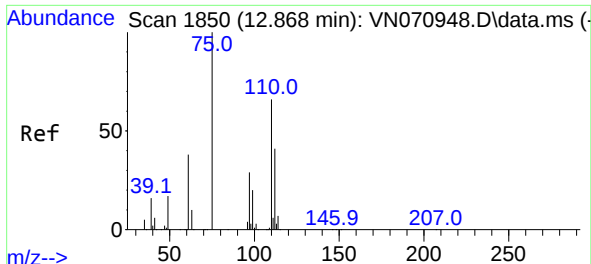
Tgt Ion:117 Resp: 1357415
Ion Ratio Lower Upper
117 100
82 54.1 42.4 63.6
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

Tgt Ion:152 Resp: 527191
Ion Ratio Lower Upper
152 100
115 56.7 27.5 82.5
150 157.3 0.0 344.4

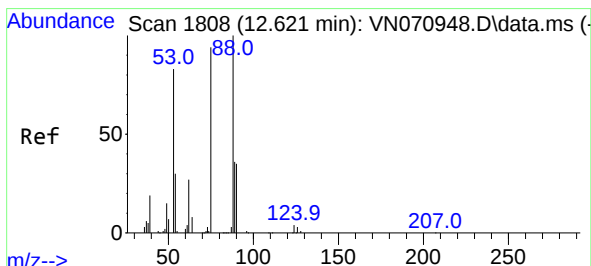
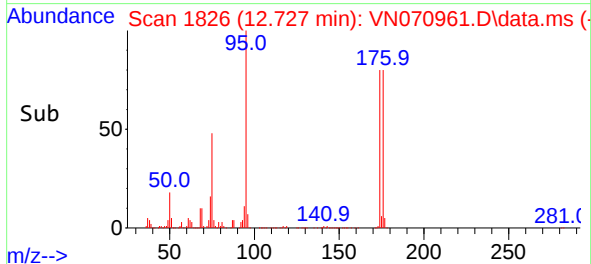
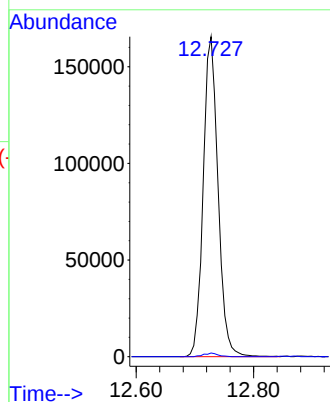
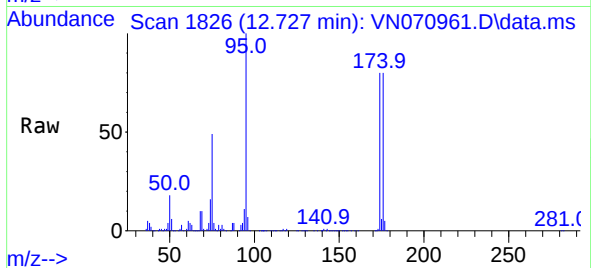




#76
1,2,3-Trichloropropane
Concen: 23.335 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

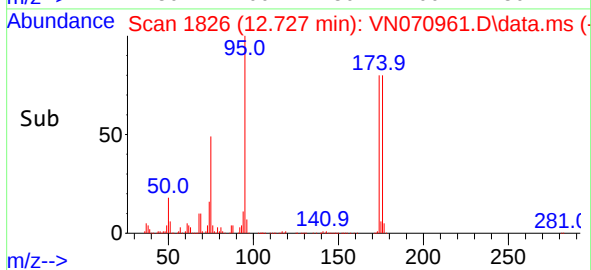
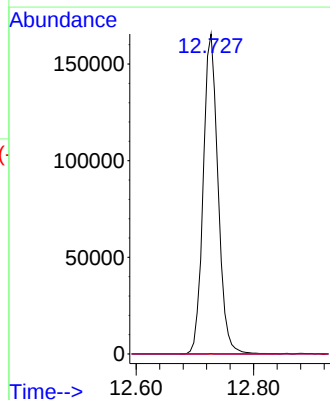
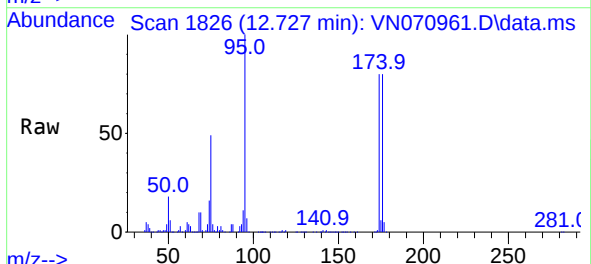
Instrument :
MSVOA_N
ClientSampleId :
MW-20R

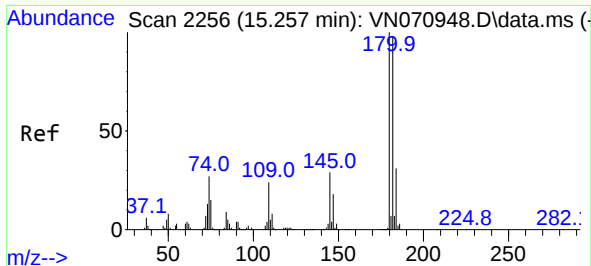
Tgt Ion: 75 Resp: 289647
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.615 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

Tgt Ion: 75 Resp: 289647
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

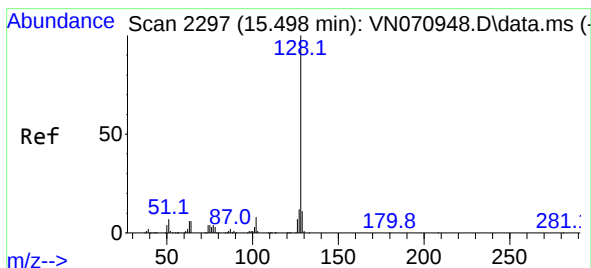
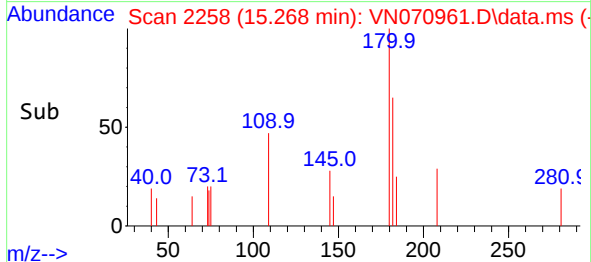
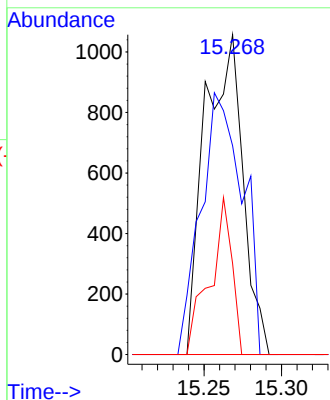
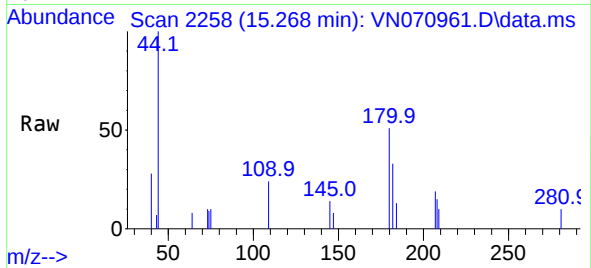




#93
1,2,4-Trichlorobenzene
Concen: 2.177 ug/l
RT: 15.268 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

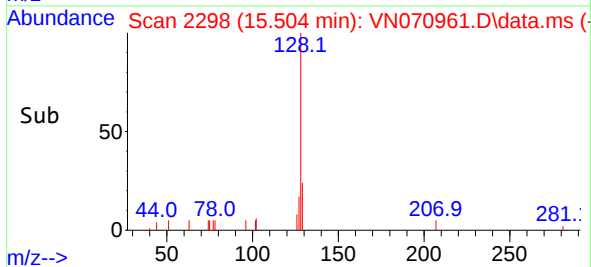
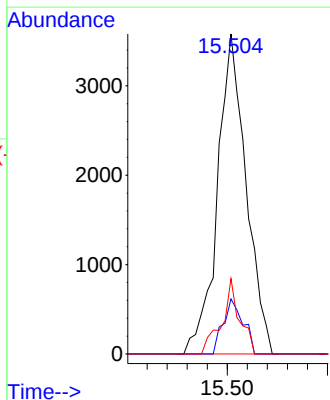
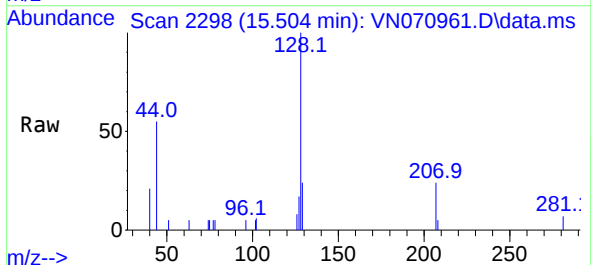
Instrument :
MSVOA_N
ClientSampleId :
MW-20R

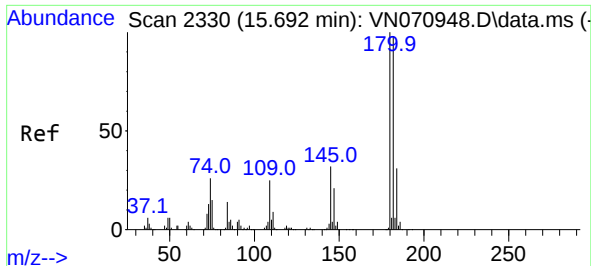
Tgt Ion:	180	Resp:	1801
Ion	Ratio	Lower	Upper
180	100		
182	89.9	48.3	144.9
145	28.6	14.5	43.5



#95
Naphthalene
Concen: 5.261 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN070961.D
Acq: 16 Feb 2022 16:38

Tgt Ion:	128	Resp:	7112
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.5	15.7
129	14.6	8.7	13.1





#96

1,2,3-Trichlorobenzene

Concen: 2.719 ug/l

RT: 15.698 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN070961.D

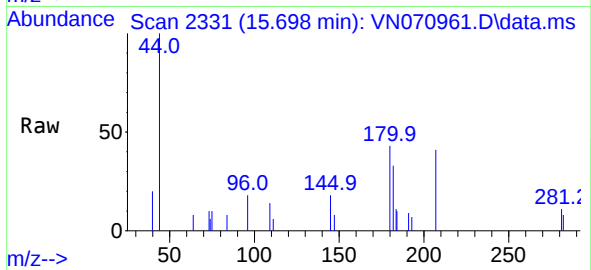
Acq: 16 Feb 2022 16:38

Instrument :

MSVOA_N

ClientSampleId :

MW-20R



Tgt Ion:180 Resp: 1917

Ion	Ratio	Lower	Upper
180	100		
182	102.2	47.4	142.2
145	39.7	15.0	45.1

