

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021622\
 Data File : VN070960.D
 Acq On : 16 Feb 2022 16:13
 Operator : JC\MD
 Sample : N1573-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13R

Quant Time: Feb 17 04:11:25 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

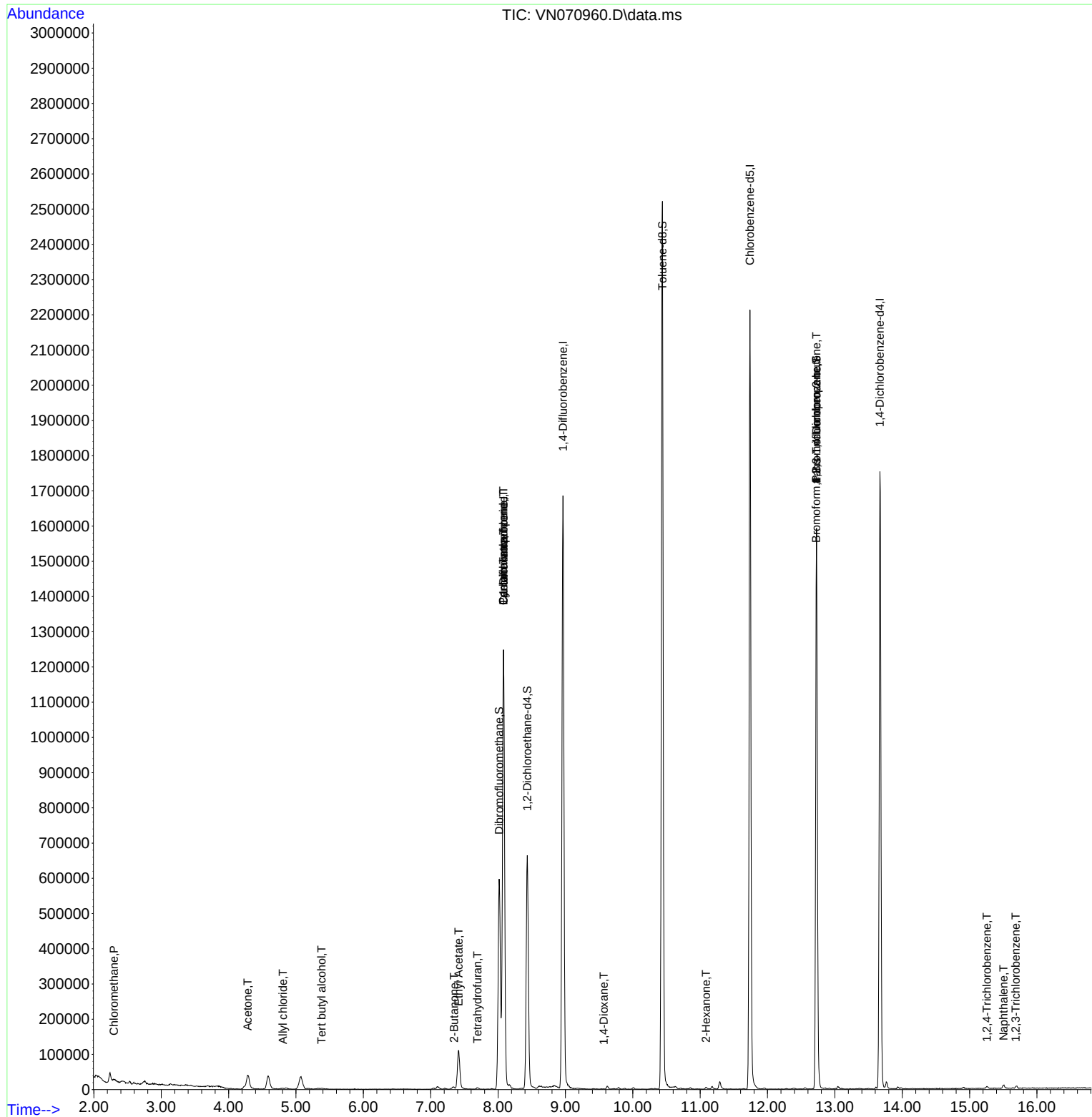
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	993509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1512945	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1342055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	514060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	546470	48.151	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.300%
35) Dibromofluoromethane	8.016	113	442318	49.152	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.300%
50) Toluene-d8	10.439	98	1776652	49.161	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.320%
62) 4-Bromofluorobenzene	12.727	95	571100	44.211	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.420%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2963	0.228	ug/l	96
11) Tert butyl alcohol	5.381	59	2675	1.293	ug/l #	71
14) Allyl chloride	4.804	41	4184	0.226	ug/l #	40
16) Acetone	4.281	43	75081	12.013	ug/l	97
18) Methyl Acetate	4.851	43	6677	Below Cal	#	69
25) 2-Butanone	7.345	43	7980	0.960	ug/l	92
29) Tetrahydrofuran	7.692	42	2948	0.547	ug/l #	62
31) Cyclohexane	8.081	56	21079	1.074	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	70971	4.814	ug/l #	50
37) Ethyl Acetate	7.416	43	170483	10.782	ug/l	97
38) Carbon Tetrachloride	8.081	117	93850	6.461	ug/l #	17
49) 1,4-Dioxane	9.569	88	57	0.272	ug/l #	27
59) 2-Hexanone	11.086	43	4634	0.444	ug/l	75
71) Bromoform	12.722	173	2808	0.334	ug/l #	29
76) 1,2,3-Trichloropropane	12.727	75	288345	23.823	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	288345	77.198	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	2422	2.245	ug/l	98
95) Naphthalene	15.504	128	10179	5.388	ug/l	98
96) 1,2,3-Trichlorobenzene	15.686	180	3040	2.847	ug/l	90

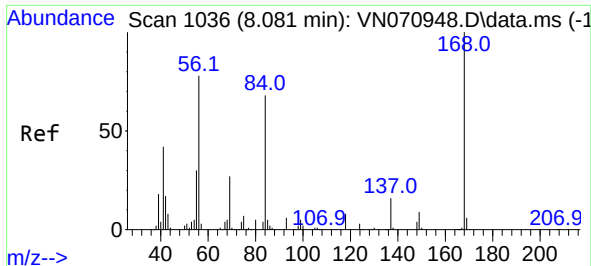
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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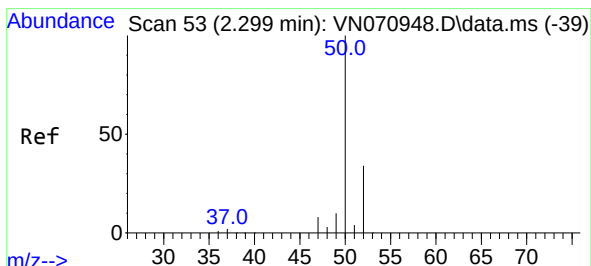
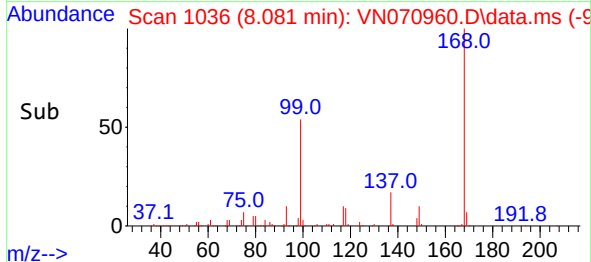
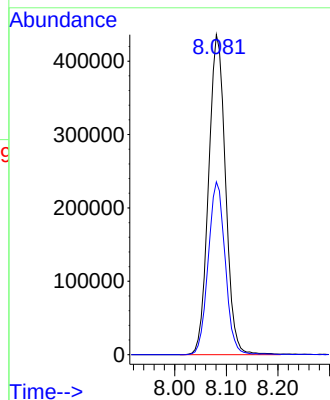
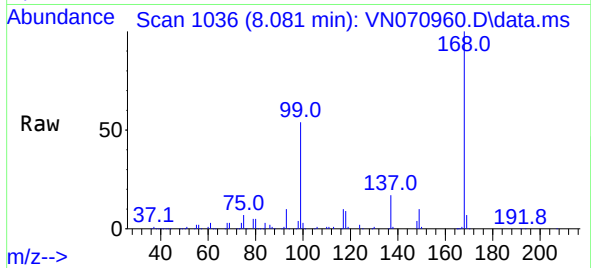




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

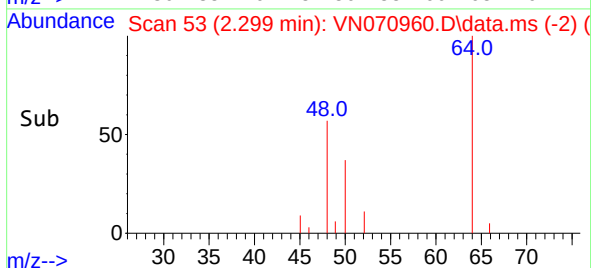
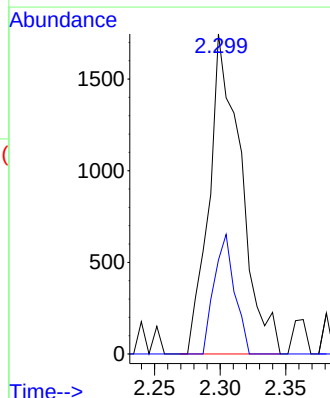
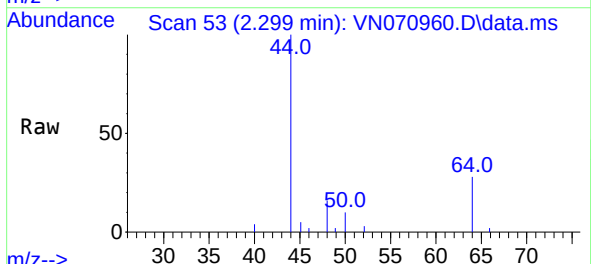
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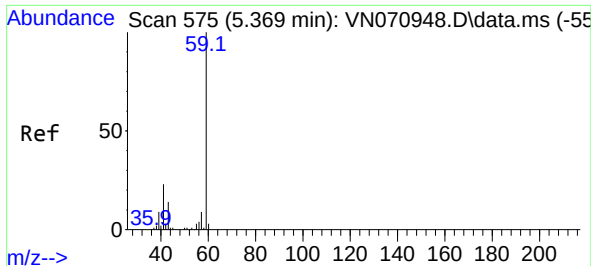
Tgt Ion:168 Resp: 993509
Ion Ratio Lower Upper
168 100
99 54.0 41.3 61.9



#3
Chloromethane
Concen: 0.228 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

Tgt Ion: 50 Resp: 2963
Ion Ratio Lower Upper
50 100
52 29.4 25.4 38.0

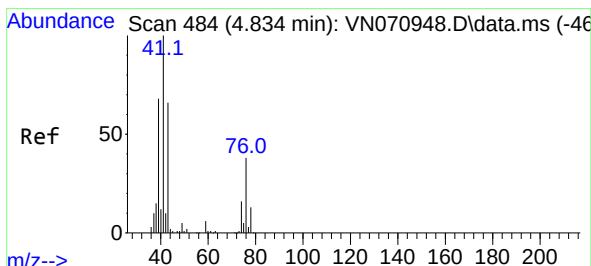
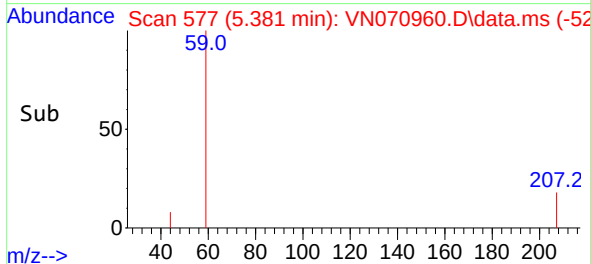
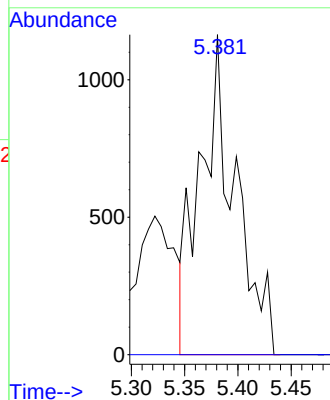
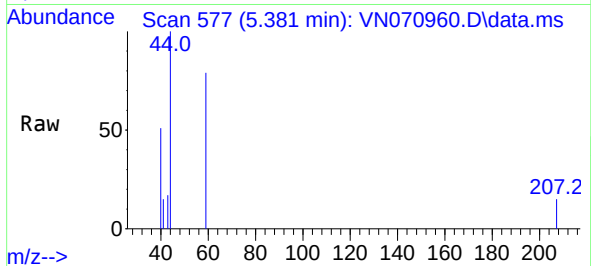




#11
Tert butyl alcohol
Concen: 1.293 ug/l
RT: 5.381 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

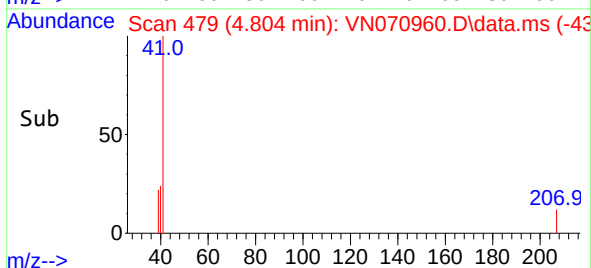
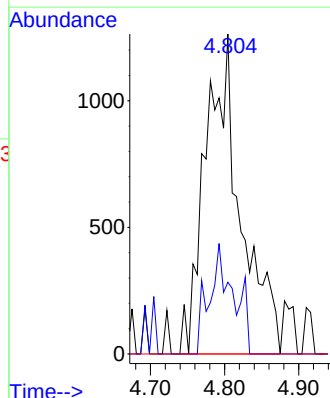
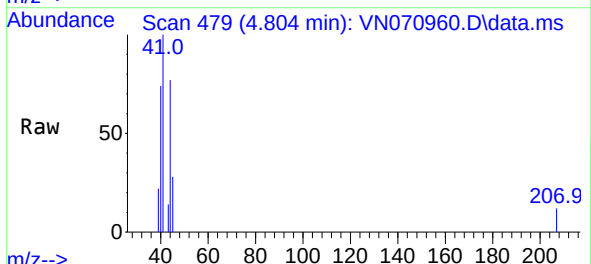
Instrument :
MSVOA_N
ClientSampleId :
MW-13R

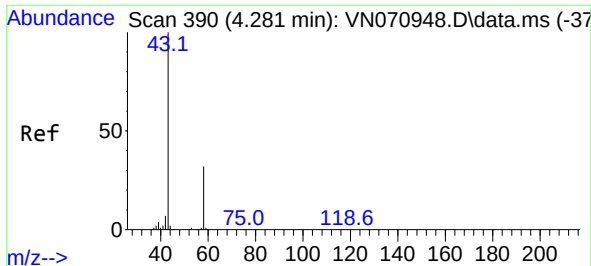
Tgt Ion: 59 Resp: 2675
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#14
Allyl chloride
Concen: 0.226 ug/l
RT: 4.804 min Scan# 479
Delta R.T. -0.029 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

Tgt Ion: 41 Resp: 4184
Ion Ratio Lower Upper
41 100
39 23.7 61.2 91.8#
76 0.0 26.0 39.0#

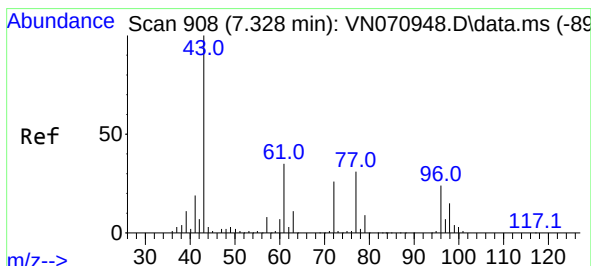
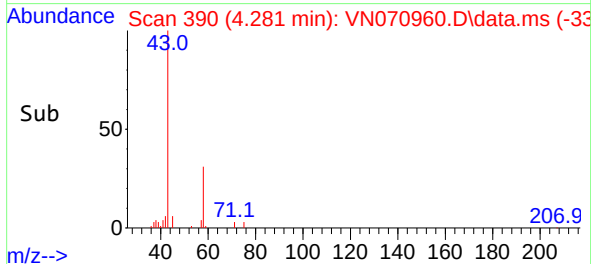
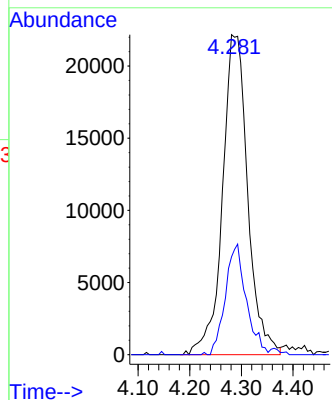
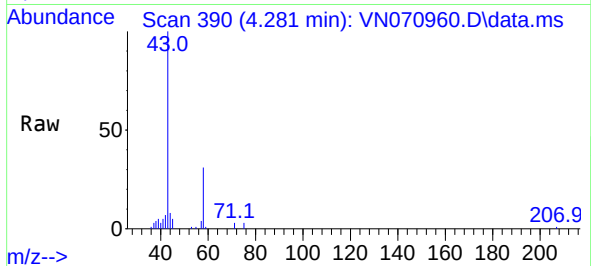




#16
Acetone
Concen: 12.013 ug/l
RT: 4.281 min Scan# 390
Delta R.T. 0.000 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

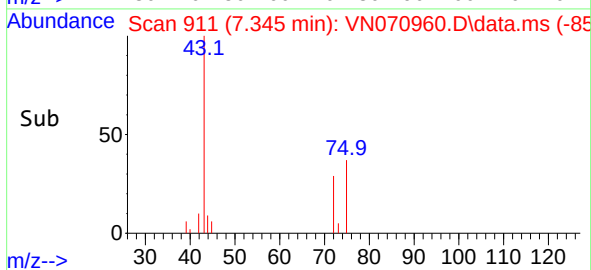
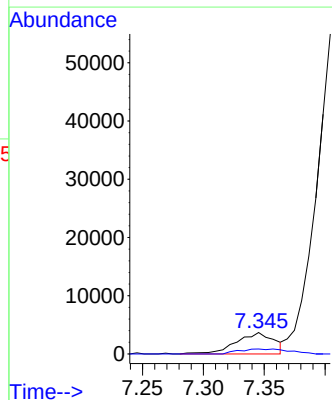
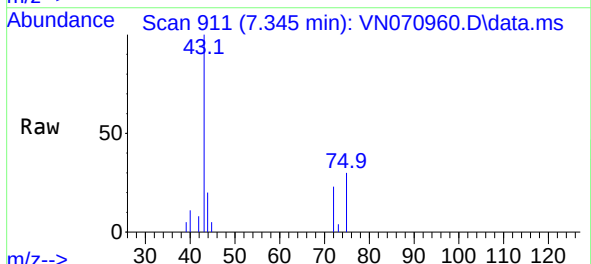
Instrument :
MSVOA_N
ClientSampleId :
MW-13R

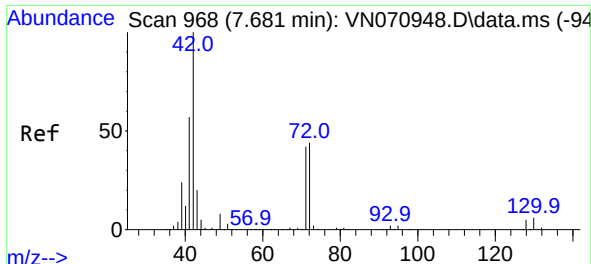
Tgt Ion: 43 Resp: 75081
Ion Ratio Lower Upper
43 100
58 30.6 23.1 34.7



#25
2-Butanone
Concen: 0.960 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.018 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

Tgt Ion: 43 Resp: 7980
Ion Ratio Lower Upper
43 100
72 22.8 21.7 32.5





#29

Tetrahydrofuran

Concen: 0.547 ug/l

RT: 7.692 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN070960.D

Acq: 16 Feb 2022 16:13

Instrument :

MSVOA_N

ClientSampleId :

MW-13R

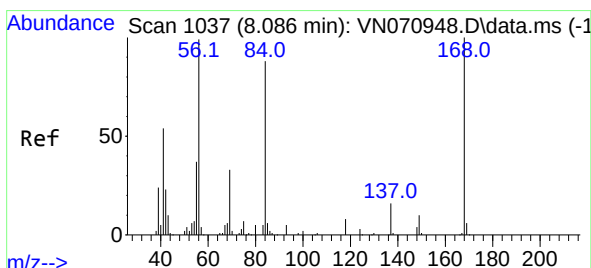
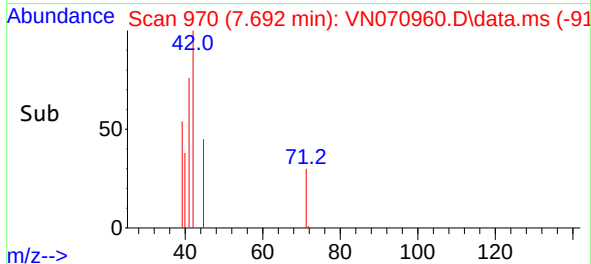
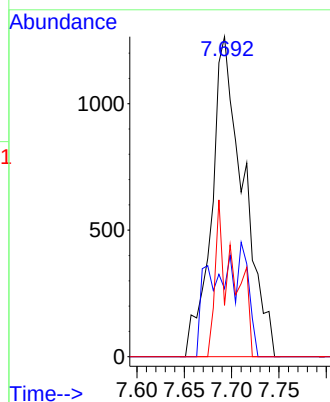
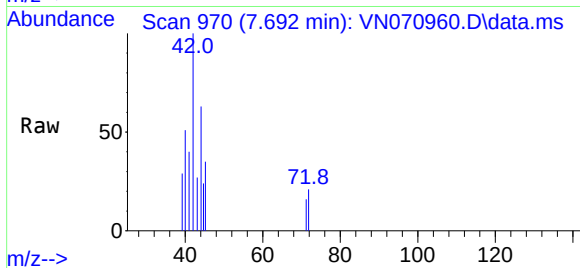
Tgt Ion: 42 Resp: 2948

Ion Ratio Lower Upper

42 100

72 11.6 36.3 54.5#

71 28.1 34.7 52.1#



#31

Cyclohexane

Concen: 1.074 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN070960.D

Acq: 16 Feb 2022 16:13

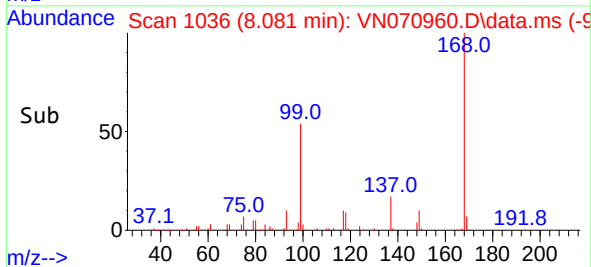
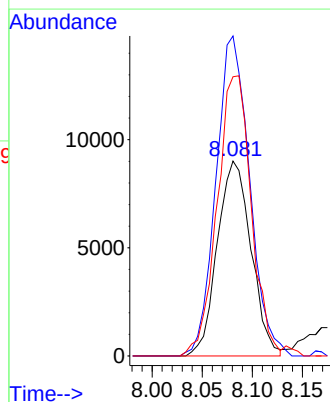
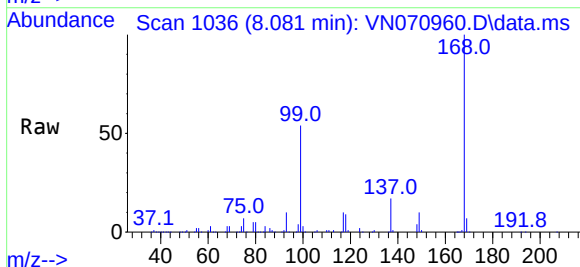
Tgt Ion: 56 Resp: 21079

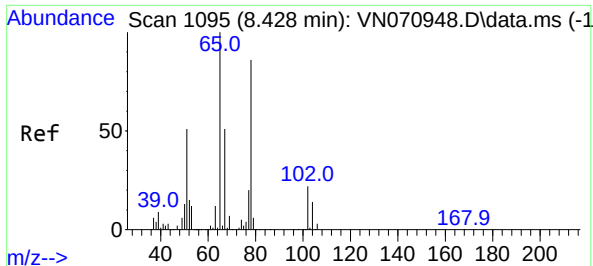
Ion Ratio Lower Upper

56 100

69 164.3 27.1 40.7#

84 143.3 73.4 110.0#

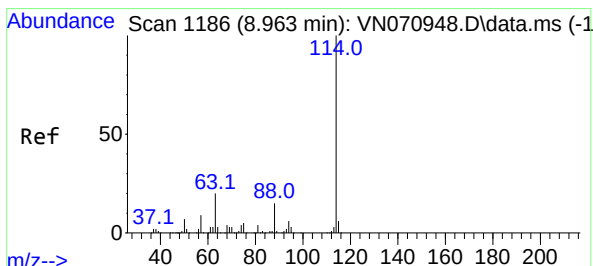
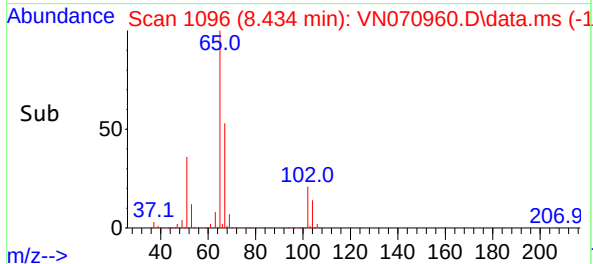
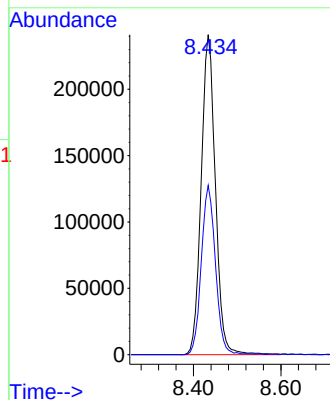
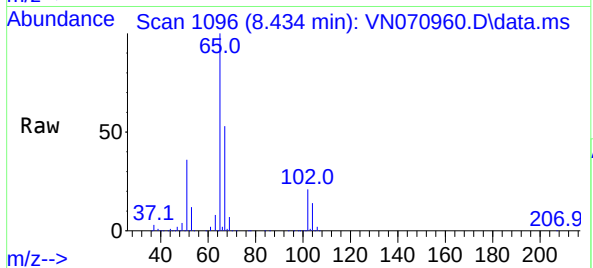




#33
1,2-Dichloroethane-d4
Concen: 48.151 ug/l
RT: 8.434 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

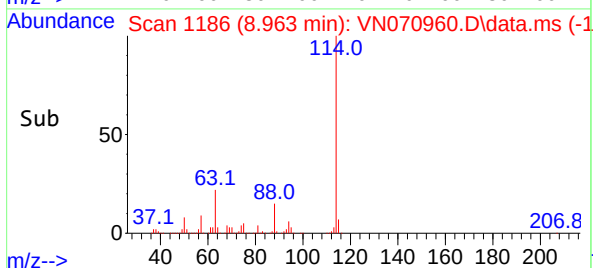
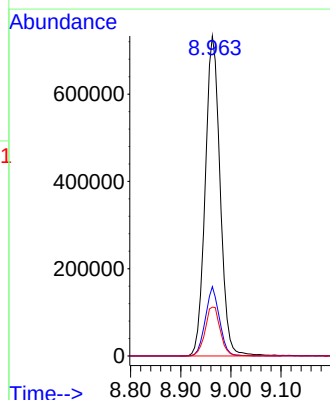
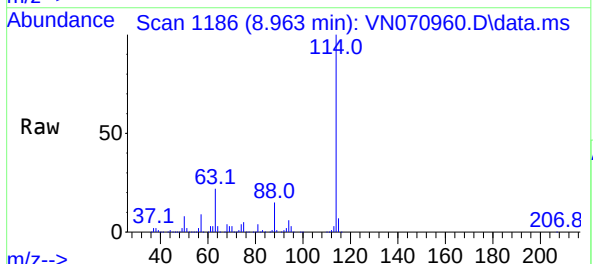
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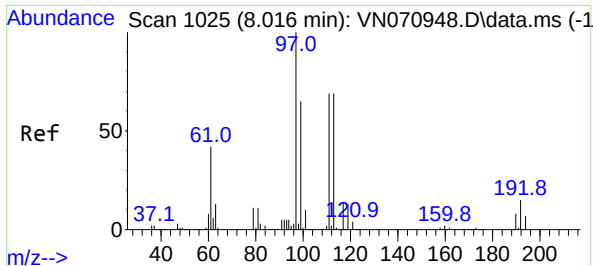
Tgt Ion: 65 Resp: 546470
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

Tgt Ion:114 Resp: 1512945
Ion Ratio Lower Upper
114 100
63 21.7 0.0 37.8
88 15.3 0.0 27.4

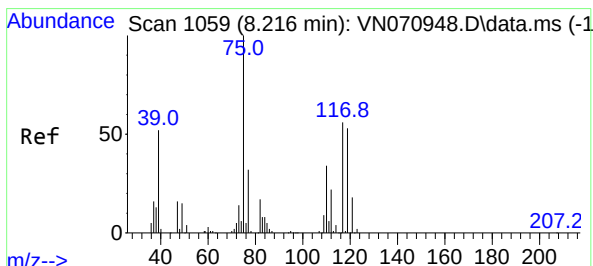
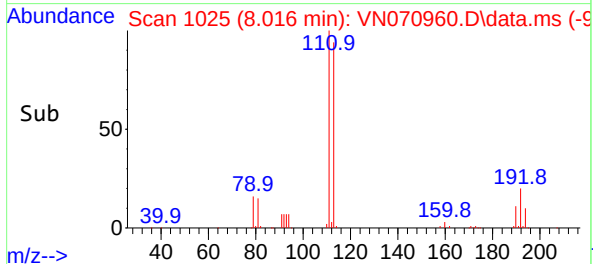
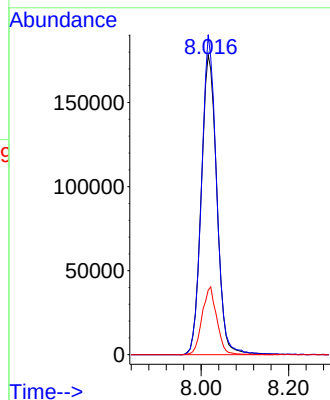
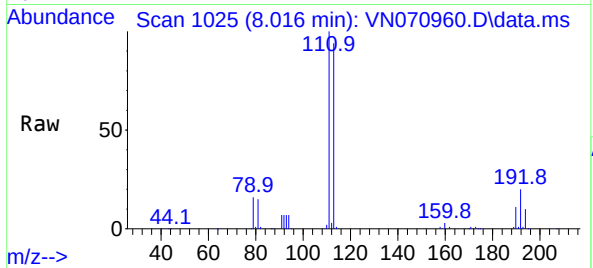




#35
Dibromofluoromethane
Concen: 49.152 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.000 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

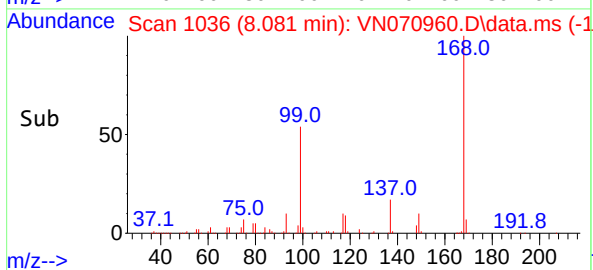
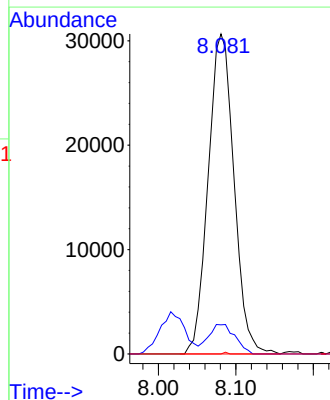
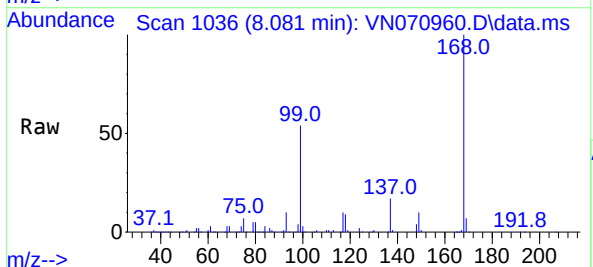
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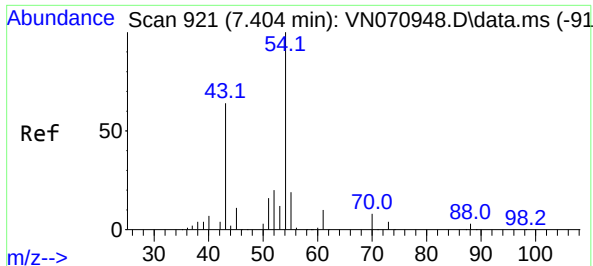
Tgt Ion:113 Resp: 442318
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 21.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.814 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

Tgt Ion: 75 Resp: 70971
Ion Ratio Lower Upper
75 100
110 9.5 18.4 55.2#
77 0.1 24.4 36.6#

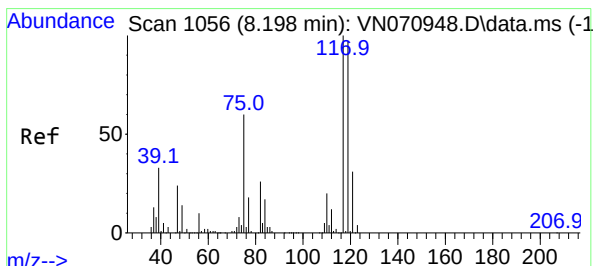
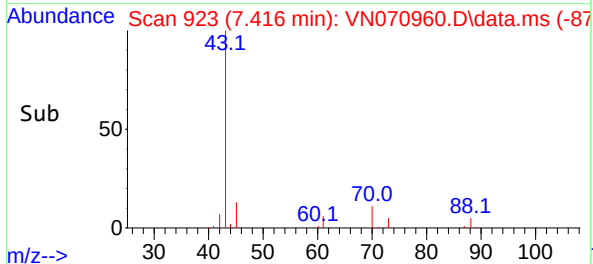
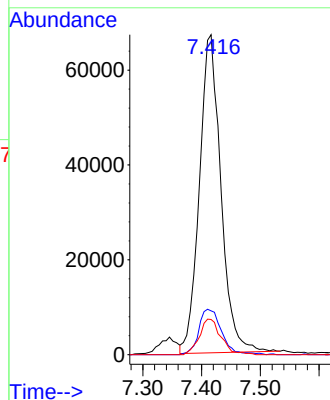
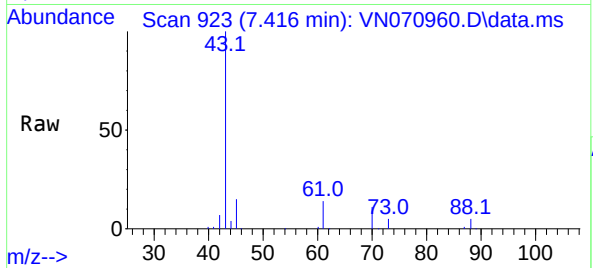




#37
Ethyl Acetate
Concen: 10.782 ug/l
RT: 7.416 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

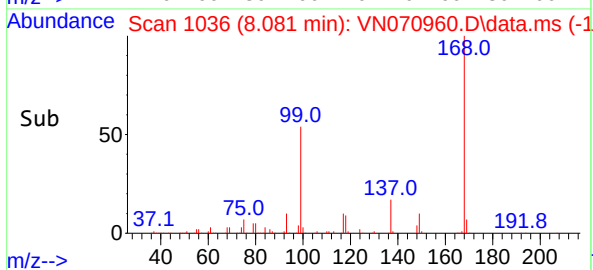
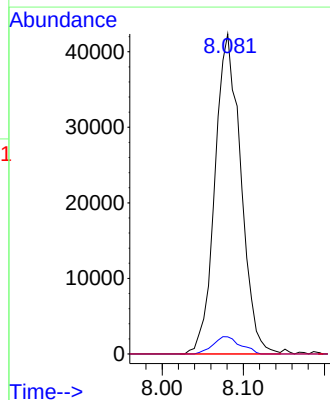
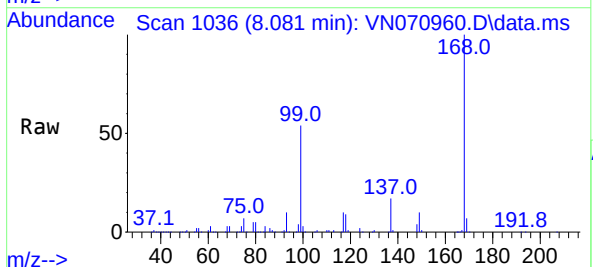
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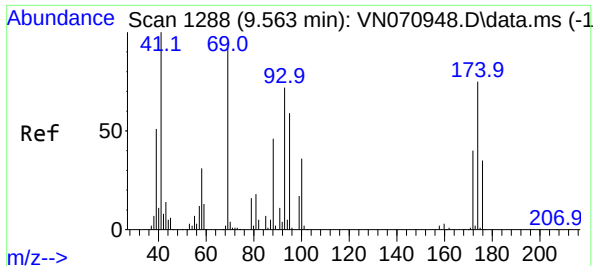
Tgt Ion: 43 Resp: 170483
Ion Ratio Lower Upper
43 100
61 15.2 11.5 17.3
70 11.3 7.9 11.9



#38
Carbon Tetrachloride
Concen: 6.461 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.118 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

Tgt Ion: 117 Resp: 93850
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.2 36.2#

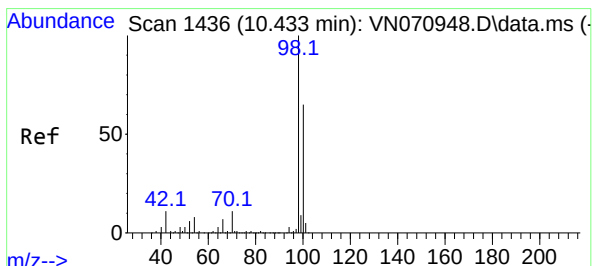
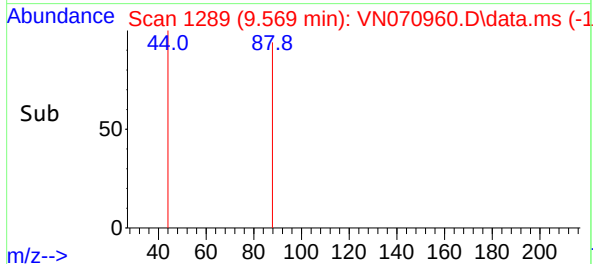
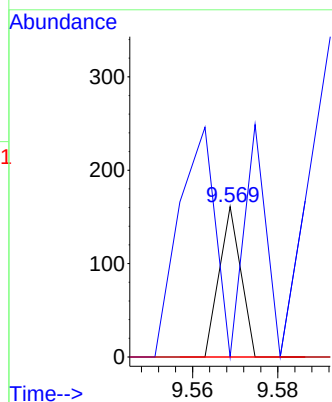
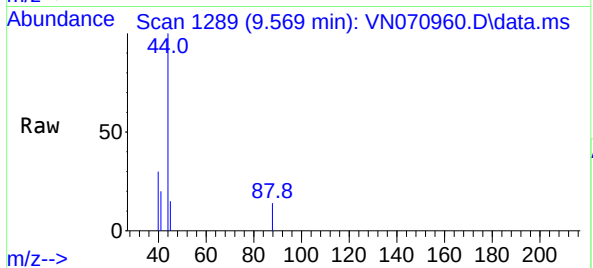




#49
1,4-Dioxane
Concen: 0.272 ug/l
RT: 9.569 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

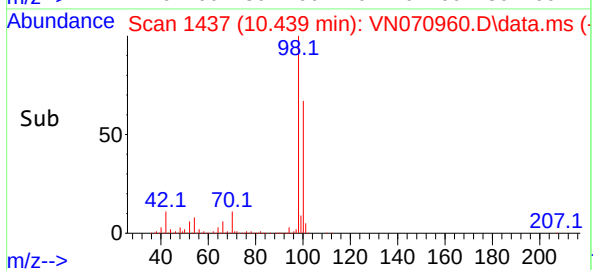
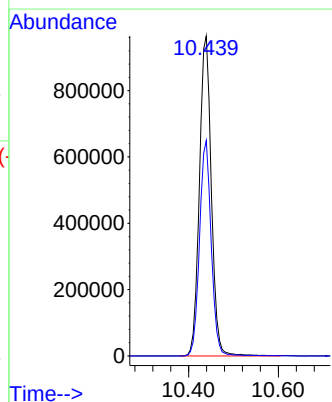
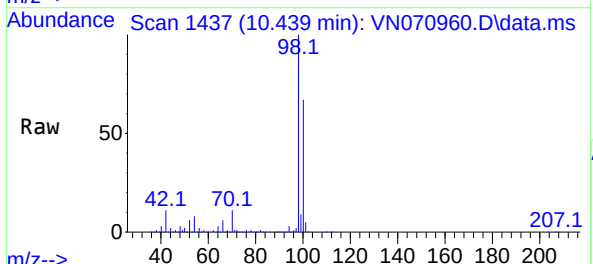
Instrument :
MSVOA_N
ClientSampleId :
MW-13R

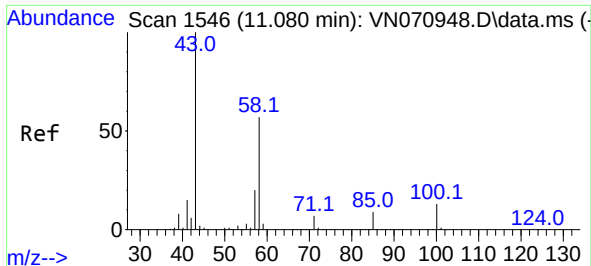
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 49.161 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

Tgt Ion: 98 Resp: 1776652
Ion Ratio Lower Upper
98 100
100 65.9 50.4 75.6

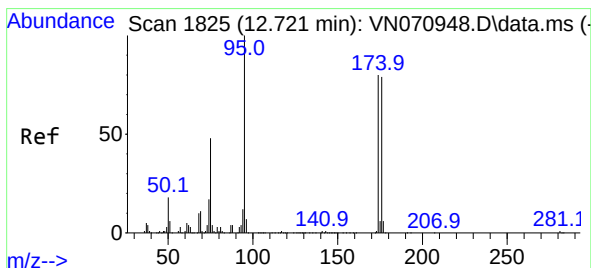
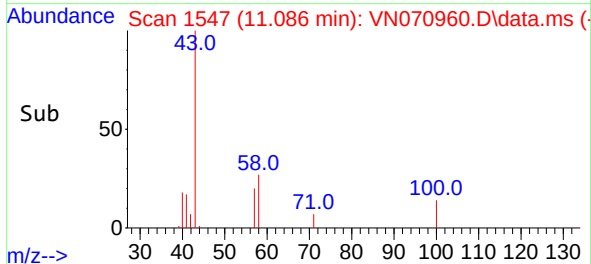
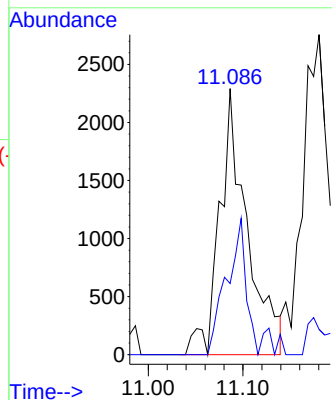
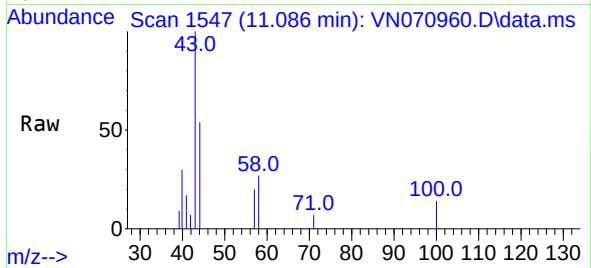




#59
2-Hexanone
Concen: 0.444 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

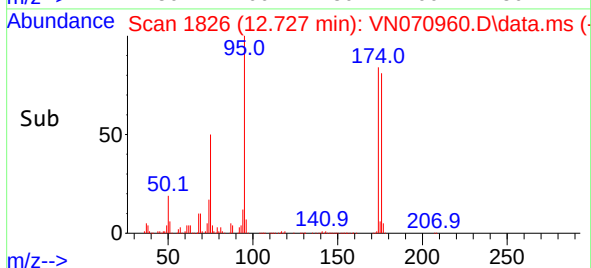
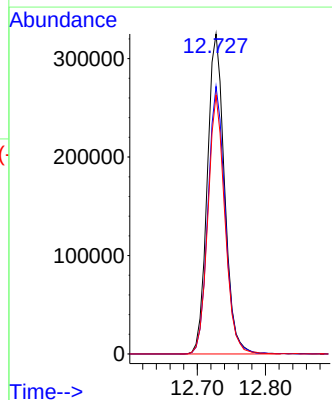
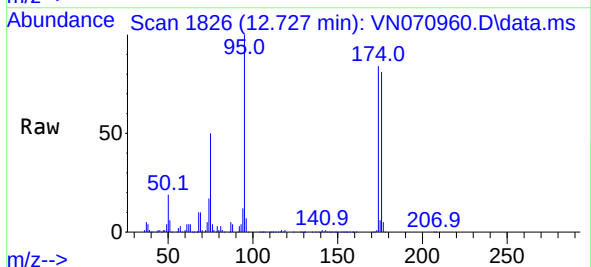
Instrument :
MSVOA_N
ClientSampleId :
MW-13R

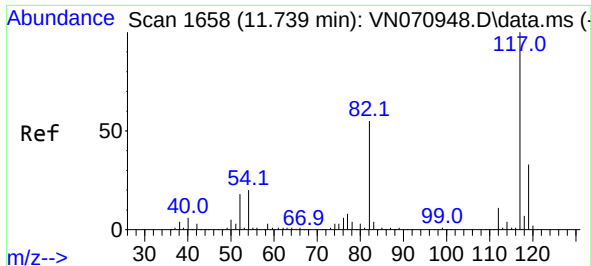
Tgt Ion: 43 Resp: 4634
Ion Ratio Lower Upper
43 100
58 36.0 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 44.211 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

Tgt Ion: 95 Resp: 571100
Ion Ratio Lower Upper
95 100
174 83.6 0.0 187.2
176 79.5 0.0 181.4

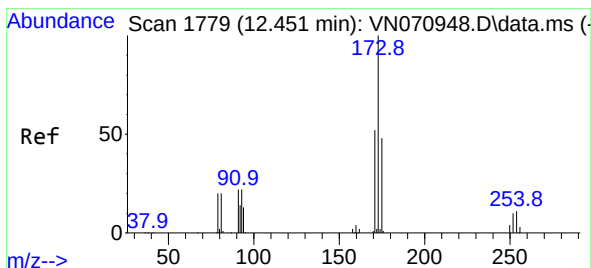
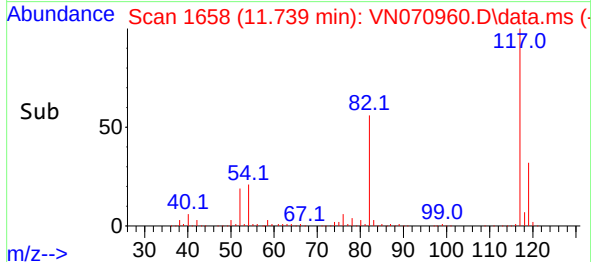
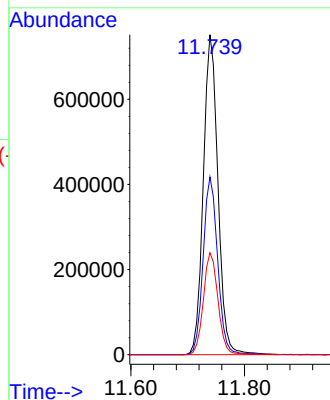
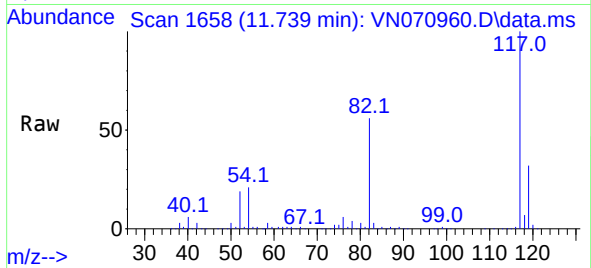




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

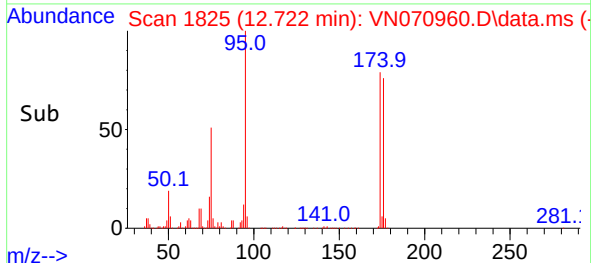
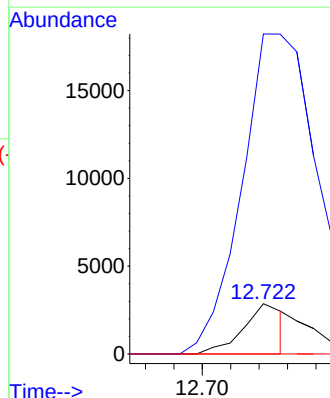
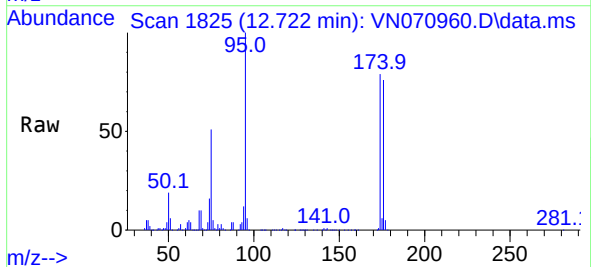
Instrument :
MSVOA_N
ClientSampleId :
MW-13R

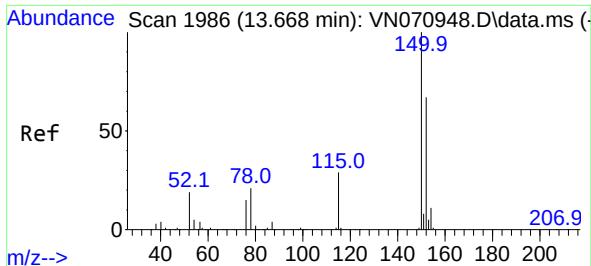
Tgt Ion:117 Resp: 1342055
Ion Ratio Lower Upper
117 100
82 55.6 42.4 63.6
119 31.8 25.4 38.2



#71
Bromoform
Concen: 0.334 ug/l
RT: 12.722 min Scan# 1825
Delta R.T. 0.271 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

Tgt Ion:173 Resp: 2808
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0

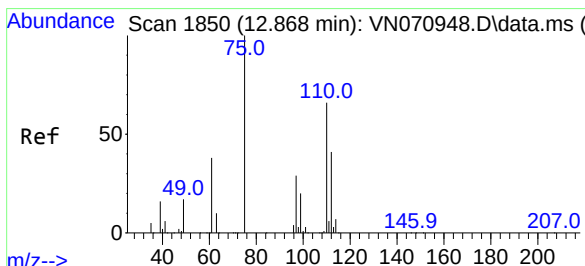
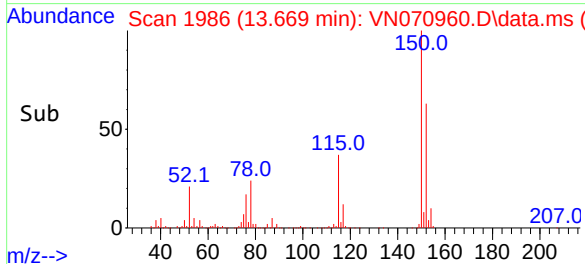
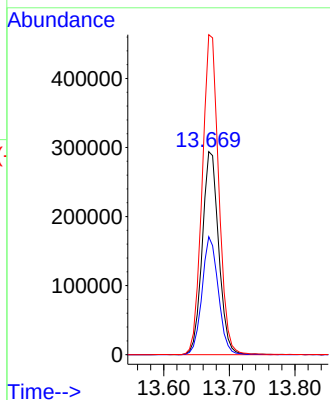
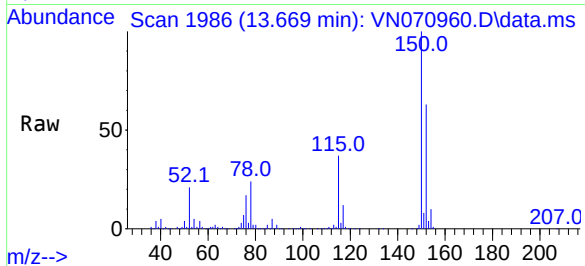




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.669 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN070960.D
 Acq: 16 Feb 2022 16:13

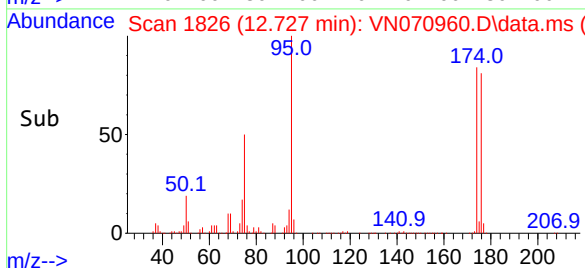
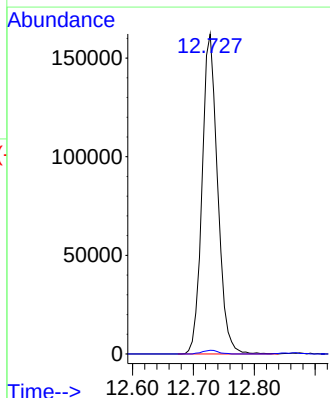
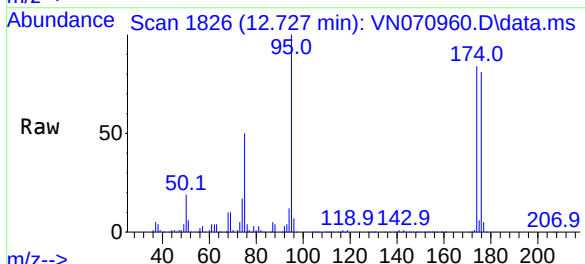
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13R

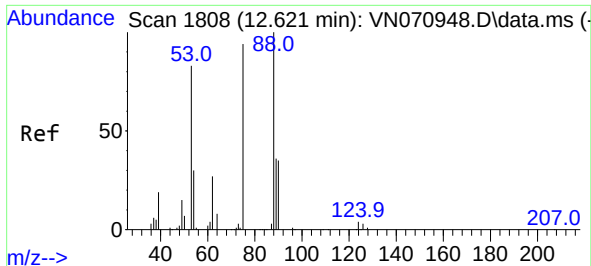
Tgt Ion:152 Resp: 514060
 Ion Ratio Lower Upper
 152 100
 115 57.4 27.5 82.5
 150 158.5 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 23.823 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.141 min
 Lab File: VN070960.D
 Acq: 16 Feb 2022 16:13

Tgt Ion: 75 Resp: 288345
 Ion Ratio Lower Upper
 75 100
 77 1.2 82.6 247.8#

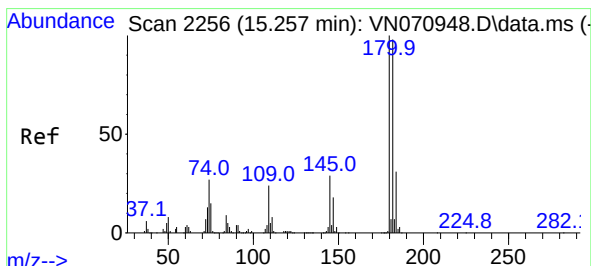
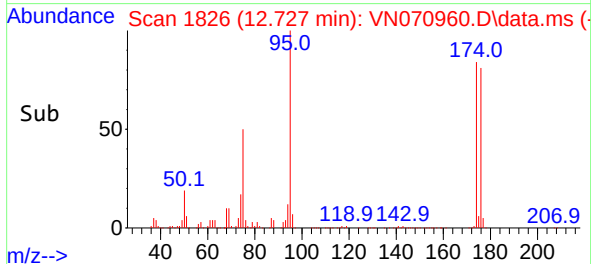
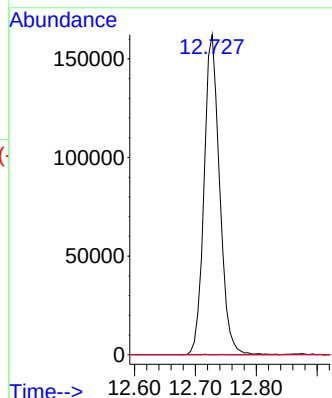
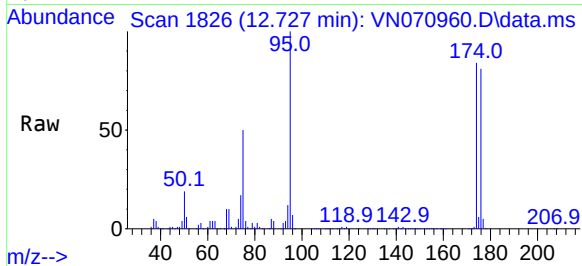




#81
trans-1,4-Dichloro-2-butene
Concen: 77.198 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

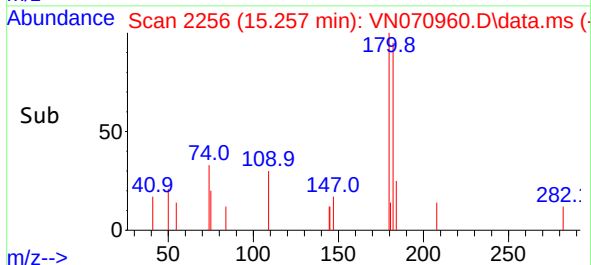
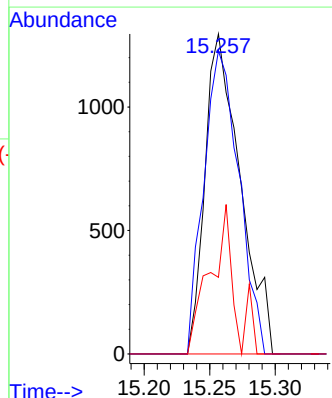
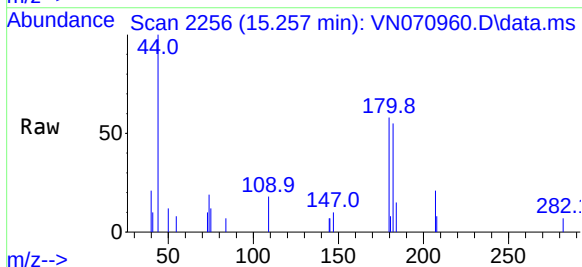
Instrument :
MSVOA_N
ClientSampleId :
MW-13R

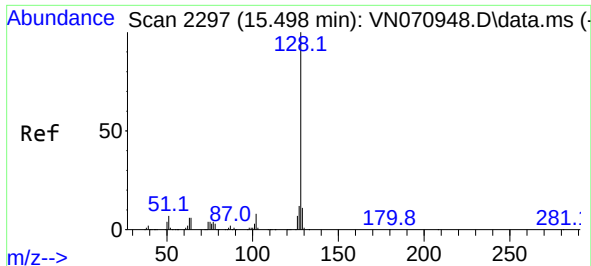
Tgt Ion: 75 Resp: 288345
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.245 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

Tgt Ion:180 Resp: 2422
Ion Ratio Lower Upper
180 100
182 94.5 48.3 144.9
145 28.1 14.5 43.5

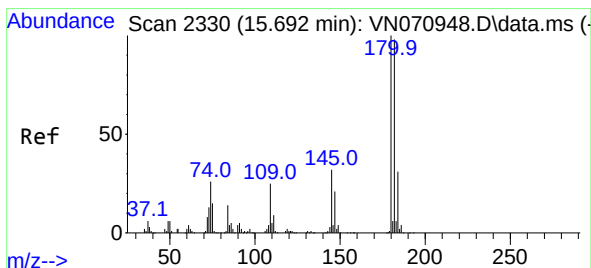
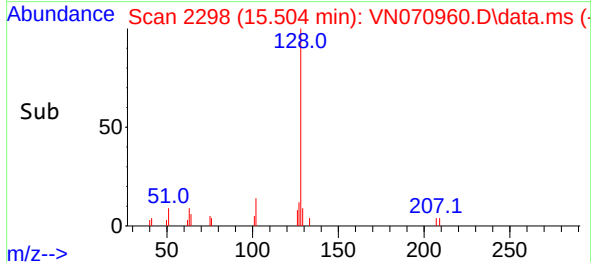
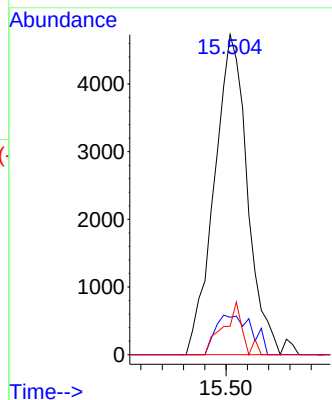
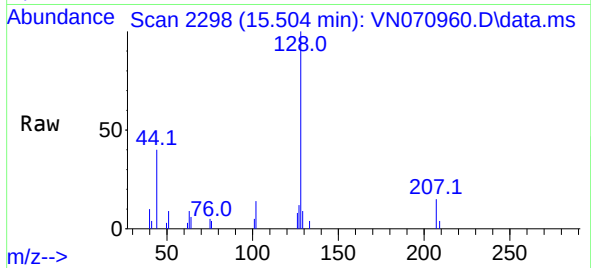




#95
Naphthalene
Concen: 5.388 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

Instrument :
MSVOA_N
ClientSampleId :
MW-13R

Tgt Ion:	128	Resp:	10179
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	9.7	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.847 ug/l
RT: 15.686 min Scan# 2329
Delta R.T. -0.006 min
Lab File: VN070960.D
Acq: 16 Feb 2022 16:13

Tgt Ion:	180	Resp:	3040
Ion	Ratio	Lower	Upper
180	100		
182	105.1	47.4	142.2
145	33.8	15.0	45.1

