

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021622\
 Data File : VN070964.D
 Acq On : 16 Feb 2022 17:52
 Operator : JC\MD
 Sample : N1573-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1R

Quant Time: Feb 17 04:12:55 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)

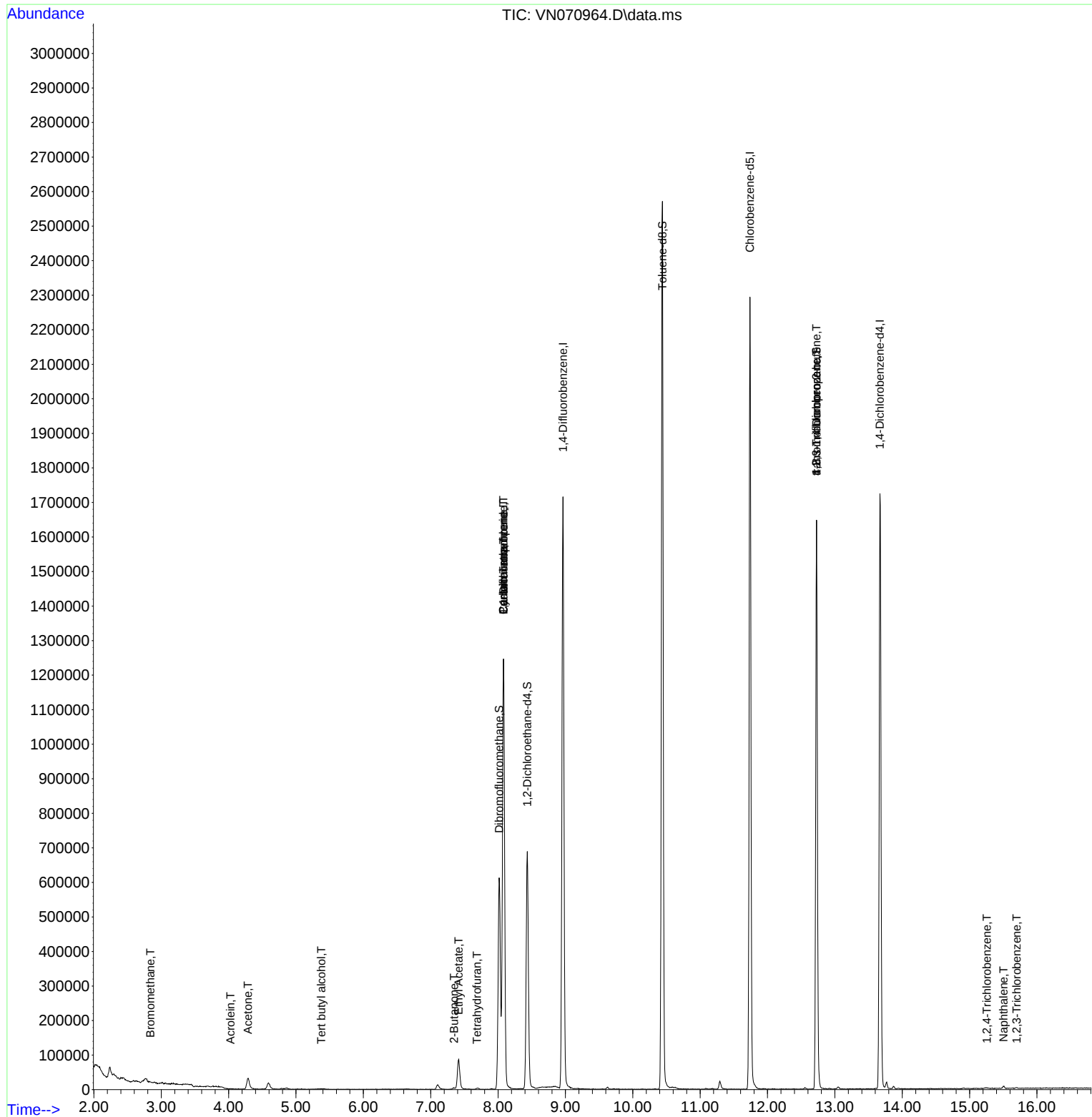
Internal Standards						
1) Pentafluorobenzene	8.081	168	1008713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1528476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1374592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	532351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	565334	49.063	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.120%
35) Dibromofluoromethane	8.016	113	451297	49.640	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.280%
50) Toluene-d8	10.439	98	1829978	50.122	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.240%
62) 4-Bromofluorobenzene	12.727	95	584652	44.800	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.600%
Target Compounds						
					Qvalue	
5) Bromomethane	2.840	94	1700	0.227	ug/l #	46
11) Tert butyl alcohol	5.375	59	462	0.220	ug/l #	71
13) Acrolein	4.028	56	648	0.345	ug/l #	72
16) Acetone	4.287	43	52399	8.257	ug/l	96
18) Methyl Acetate	4.863	43	6937	Below Cal		91
25) 2-Butanone	7.345	43	6100	0.723	ug/l	90
29) Tetrahydrofuran	7.686	42	1123	0.205	ug/l #	44
31) Cyclohexane	8.081	56	18835	0.945	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	72750	4.884	ug/l #	49
37) Ethyl Acetate	7.416	43	135047	8.454	ug/l	99
38) Carbon Tetrachloride	8.081	117	95148	6.483	ug/l #	16
76) 1,2,3-Trichloropropane	12.727	75	295359	23.564	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	295359	76.359	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	774	2.075	ug/l	89
95) Naphthalene	15.504	128	6656	5.241	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.698	180	1121	2.634	ug/l #	75

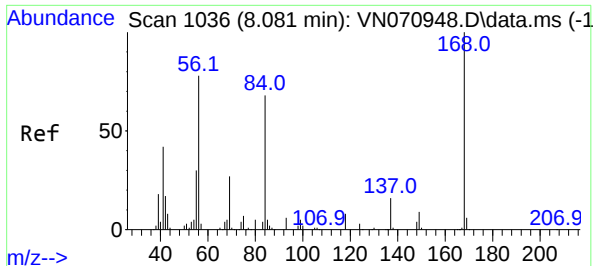
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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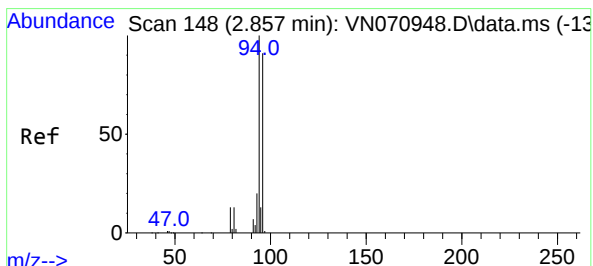
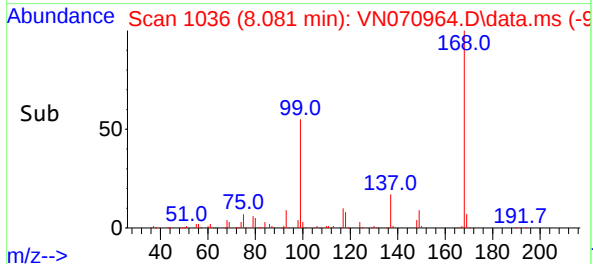
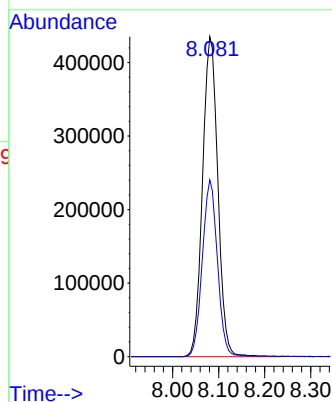
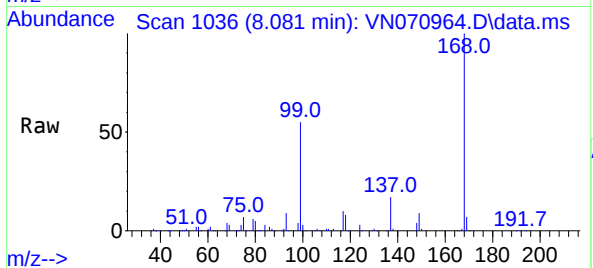




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN070964.D
Acq: 16 Feb 2022 17:52

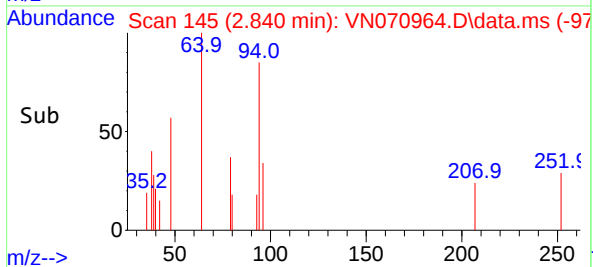
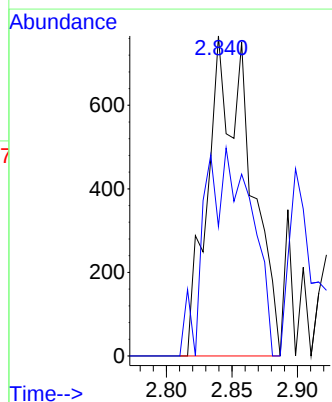
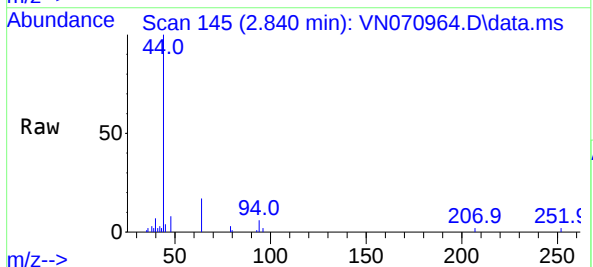
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

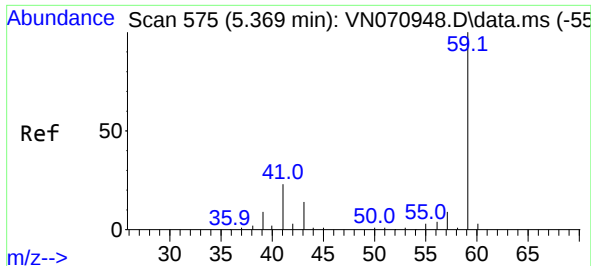
Tgt Ion:168 Resp: 1008713
Ion Ratio Lower Upper
168 100
99 55.2 41.3 61.9



#5
Bromomethane
Concen: 0.227 ug/l
RT: 2.840 min Scan# 145
Delta R.T. -0.018 min
Lab File: VN070964.D
Acq: 16 Feb 2022 17:52

Tgt Ion: 94 Resp: 1700
Ion Ratio Lower Upper
94 100
96 40.5 73.8 110.8#





#11

Tert butyl alcohol

Concen: 0.220 ug/l

RT: 5.375 min Scan# 5

Delta R.T. 0.006 min

Lab File: VN070964.D

Acq: 16 Feb 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

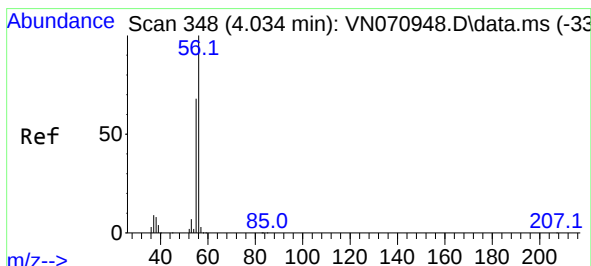
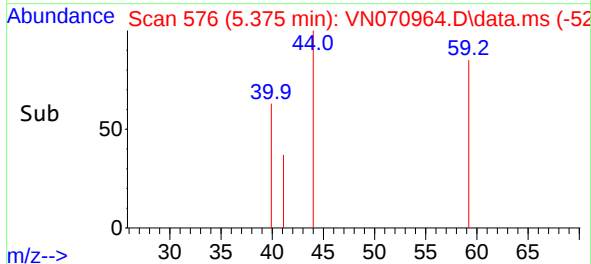
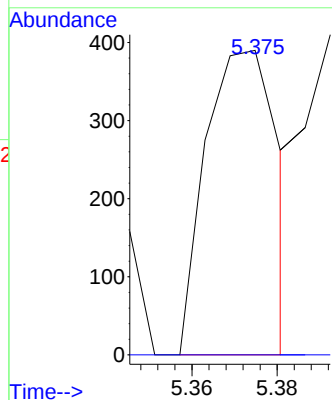
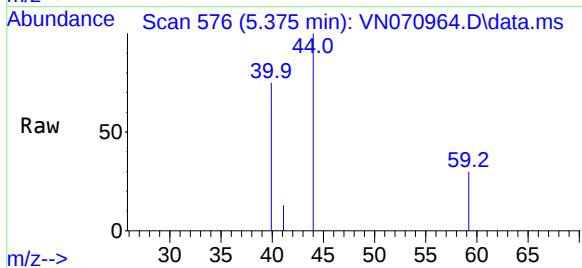
MW-1R

Tgt Ion: 59 Resp: 462

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#13

Acrolein

Concen: 0.345 ug/l

RT: 4.028 min Scan# 347

Delta R.T. -0.006 min

Lab File: VN070964.D

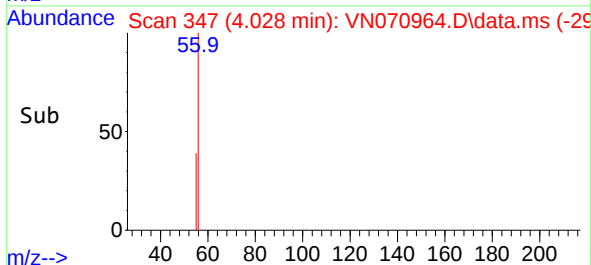
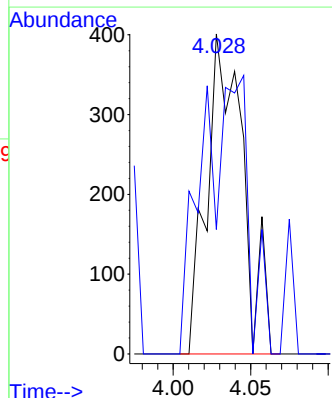
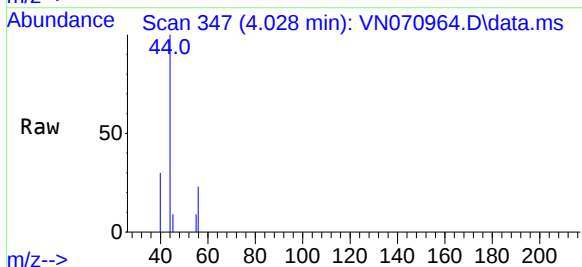
Acq: 16 Feb 2022 17:52

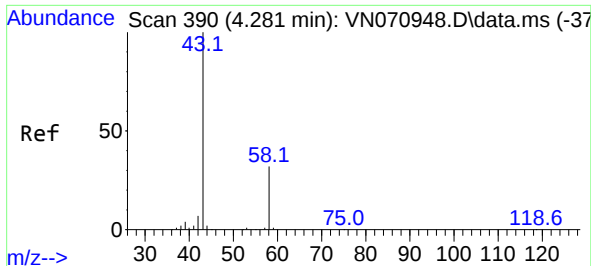
Tgt Ion: 56 Resp: 648

Ion Ratio Lower Upper

56 100

55 47.5 56.6 85.0#

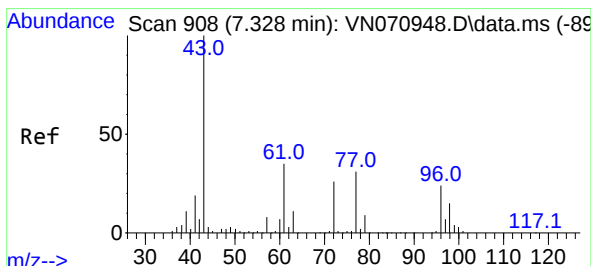
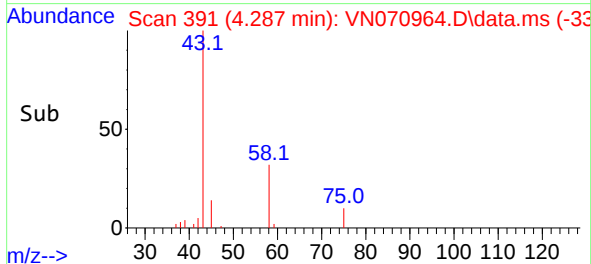
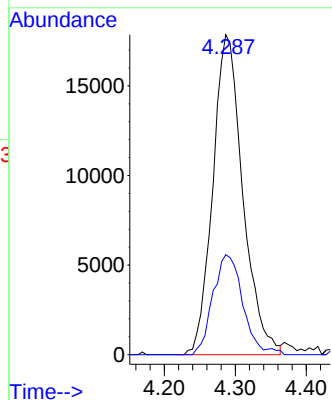
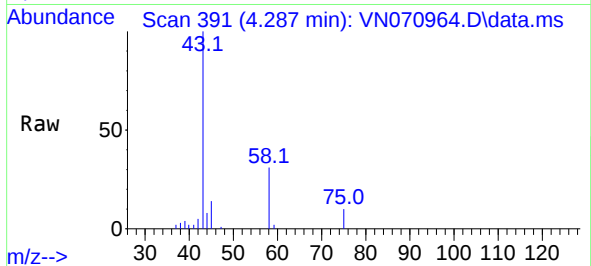




#16
Acetone
Concen: 8.257 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN070964.D
Acq: 16 Feb 2022 17:52

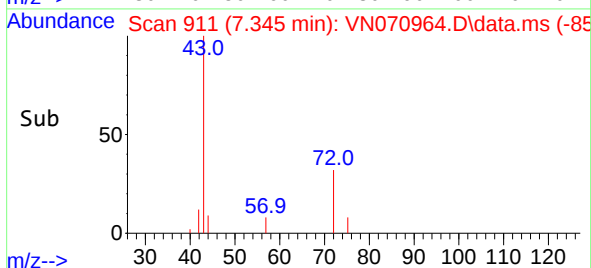
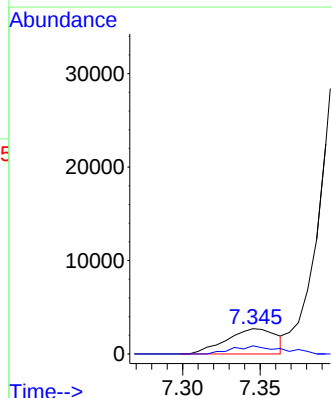
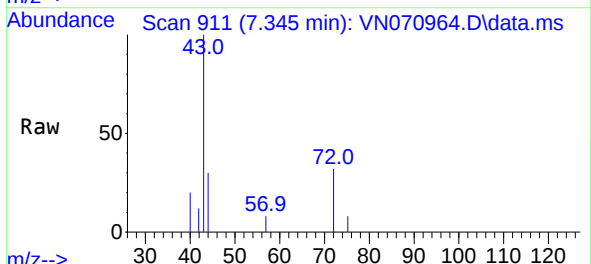
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

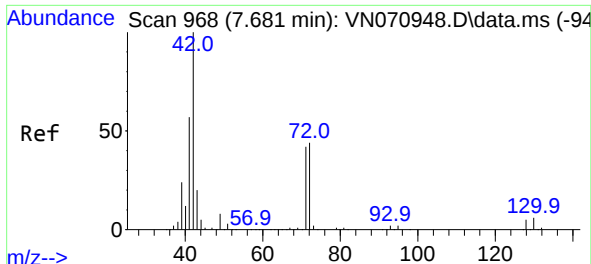
Tgt Ion: 43 Resp: 52399
Ion Ratio Lower Upper
43 100
58 31.3 23.1 34.7



#25
2-Butanone
Concen: 0.723 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.018 min
Lab File: VN070964.D
Acq: 16 Feb 2022 17:52

Tgt Ion: 43 Resp: 6100
Ion Ratio Lower Upper
43 100
72 32.3 21.7 32.5





#29

Tetrahydrofuran

Concen: 0.205 ug/l

RT: 7.686 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN070964.D

Acq: 16 Feb 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

MW-1R

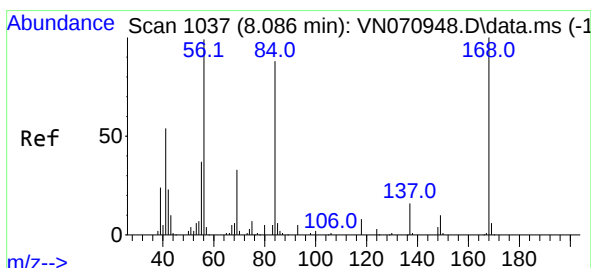
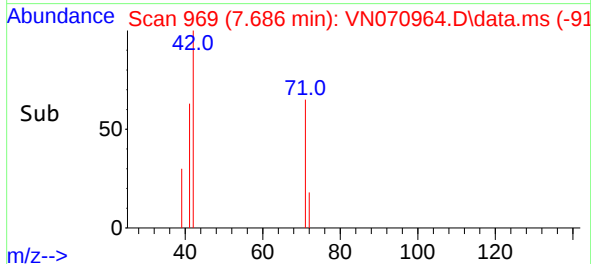
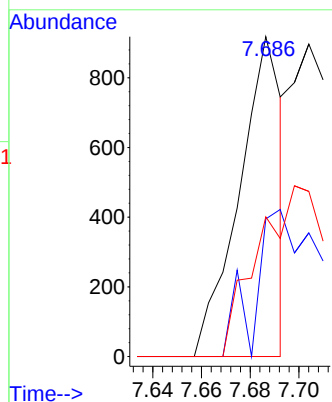
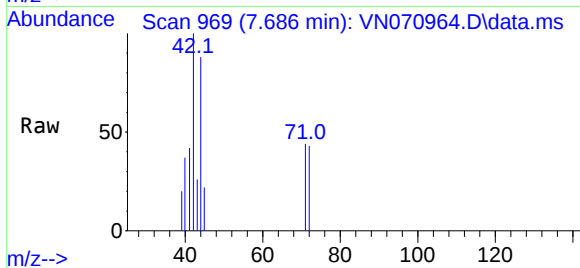
Tgt Ion: 42 Resp: 1123

Ion Ratio Lower Upper

42 100

72 77.4 36.3 54.5#

71 84.3 34.7 52.1#



#31

Cyclohexane

Concen: 0.945 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN070964.D

Acq: 16 Feb 2022 17:52

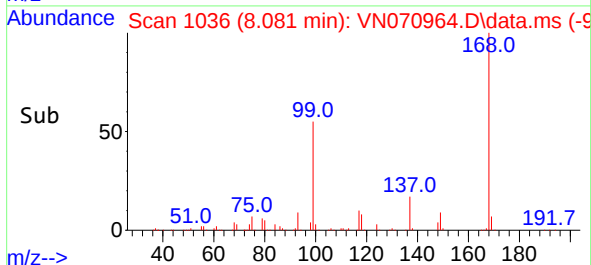
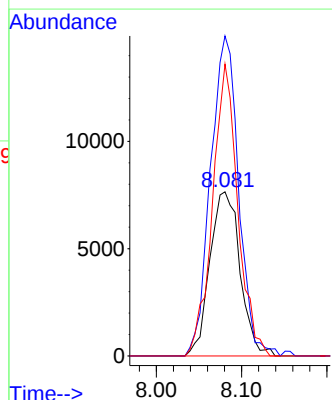
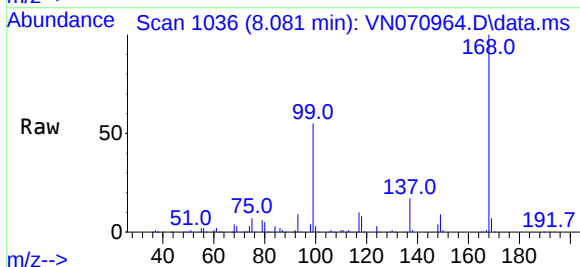
Tgt Ion: 56 Resp: 18835

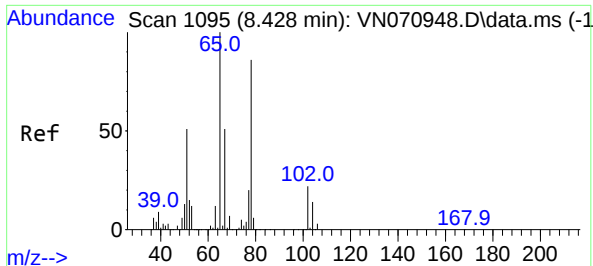
Ion Ratio Lower Upper

56 100

69 194.9 27.1 40.7#

84 177.8 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 49.063 ug/l

RT: 8.433 min Scan# 1095

Delta R.T. 0.006 min

Lab File: VN070964.D

Acq: 16 Feb 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

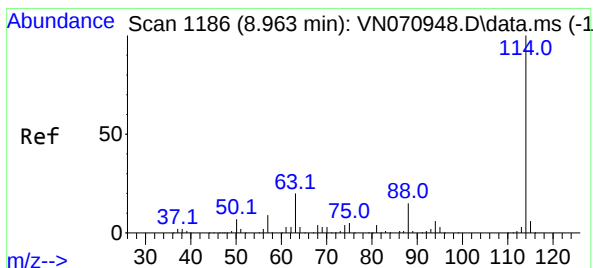
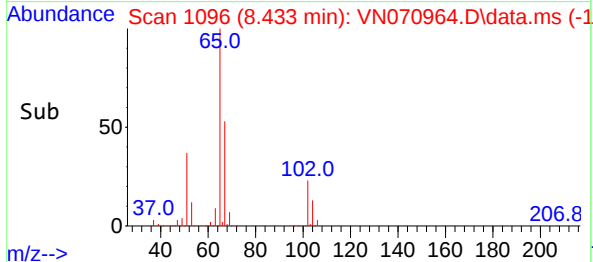
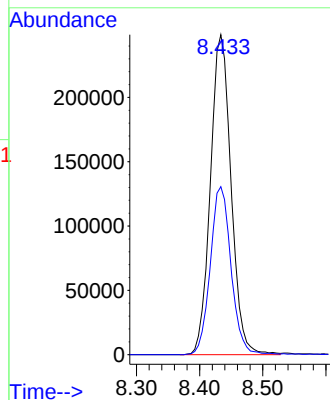
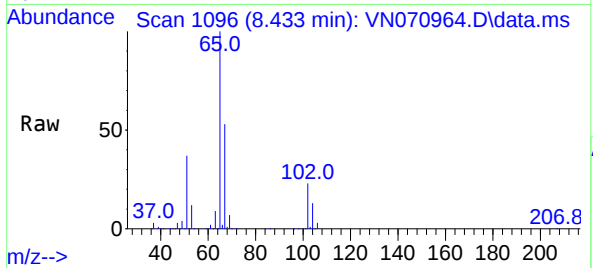
MW-1R

Tgt Ion: 65 Resp: 565334

Ion Ratio Lower Upper

65 100

67 52.8 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: VN070964.D

Acq: 16 Feb 2022 17:52

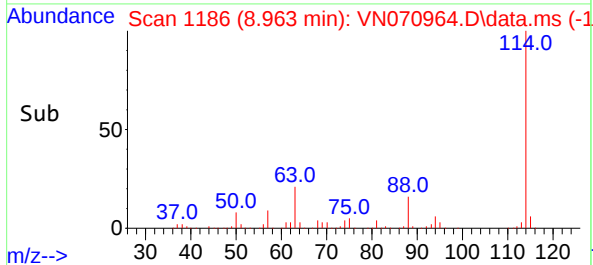
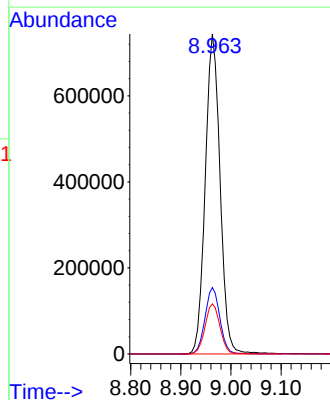
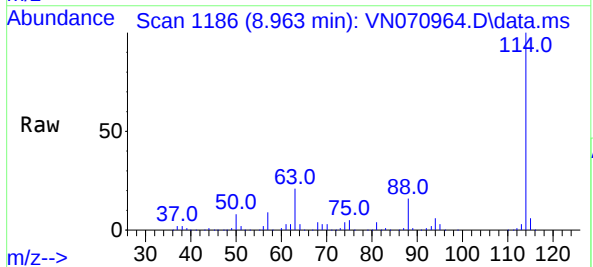
Tgt Ion: 114 Resp: 1528476

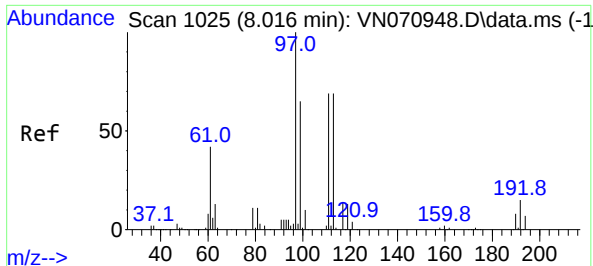
Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.8

88 15.7 0.0 27.4

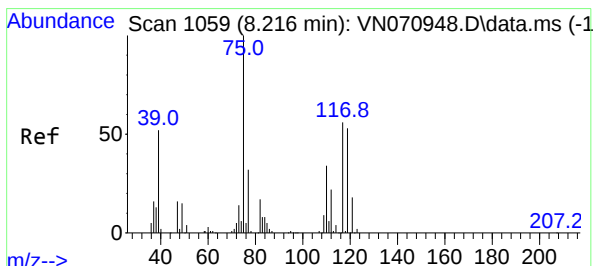
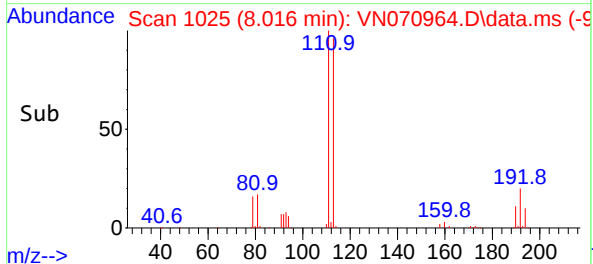
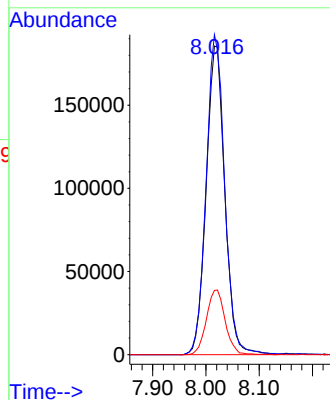
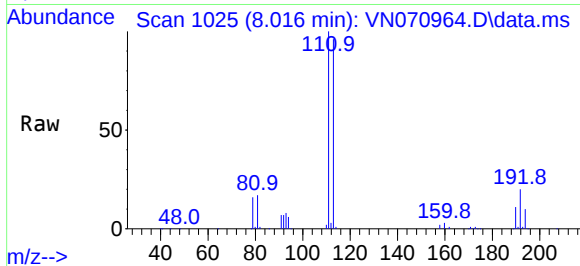




#35
Dibromofluoromethane
Concen: 49.640 ug/l
RT: 8.016 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VN070964.D
Acq: 16 Feb 2022 17:52

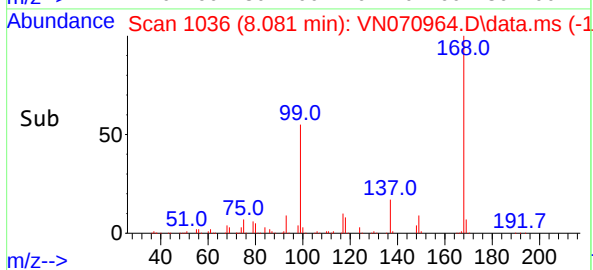
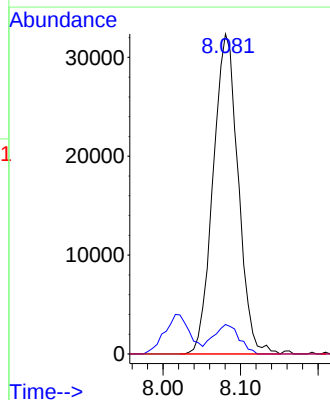
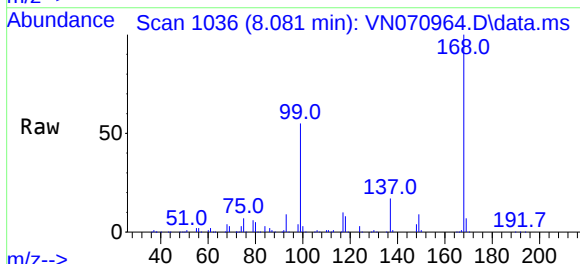
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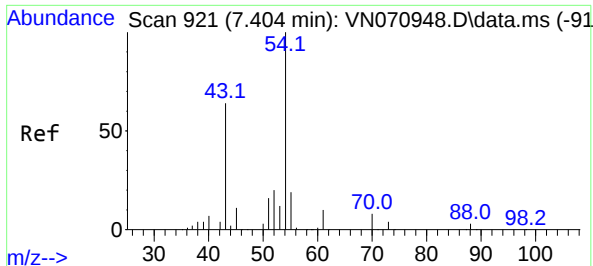
Tgt Ion:113 Resp: 451297
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 21.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.884 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN070964.D
Acq: 16 Feb 2022 17:52

Tgt Ion: 75 Resp: 72750
Ion Ratio Lower Upper
75 100
110 9.4 18.4 55.2#
77 0.0 24.4 36.6#

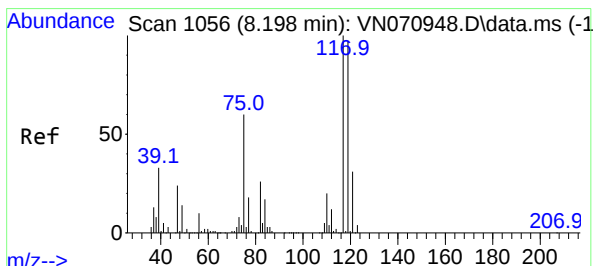
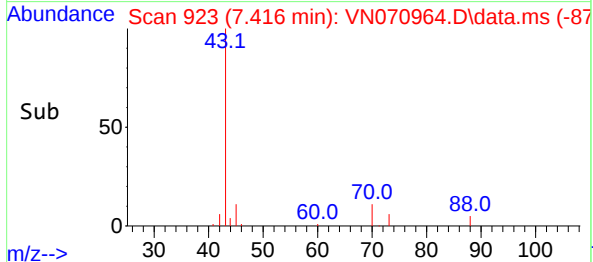
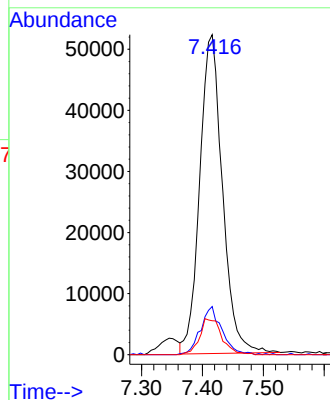
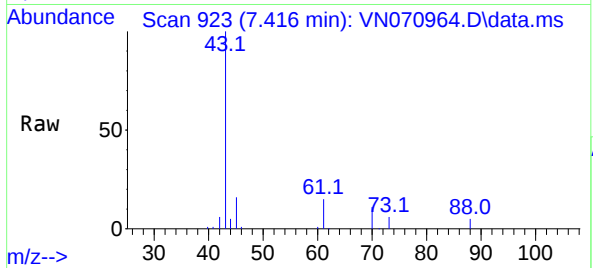




#37
Ethyl Acetate
Concen: 8.454 ug/l
RT: 7.416 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN070964.D
Acq: 16 Feb 2022 17:52

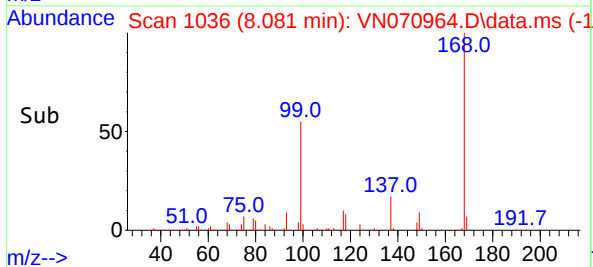
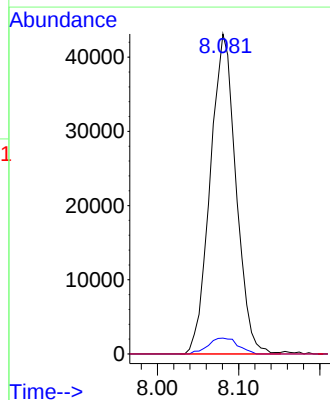
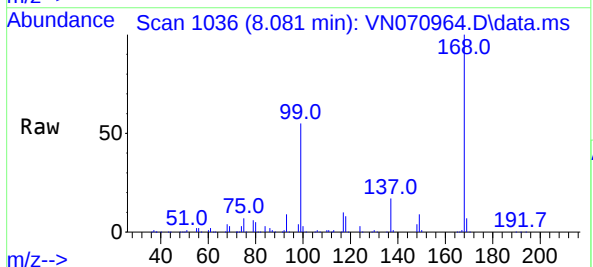
Instrument :
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ClientSampleId :
MW-1R

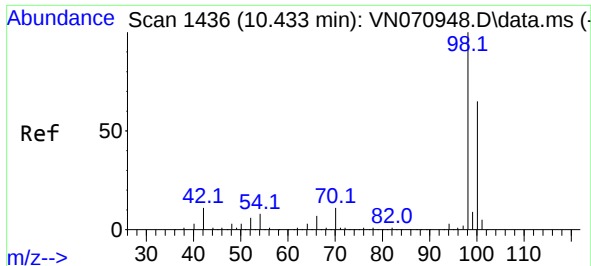
Tgt Ion: 43 Resp: 135047
Ion Ratio Lower Upper
43 100
61 14.2 11.5 17.3
70 11.0 7.9 11.9



#38
Carbon Tetrachloride
Concen: 6.483 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.118 min
Lab File: VN070964.D
Acq: 16 Feb 2022 17:52

Tgt Ion: 117 Resp: 95148
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#

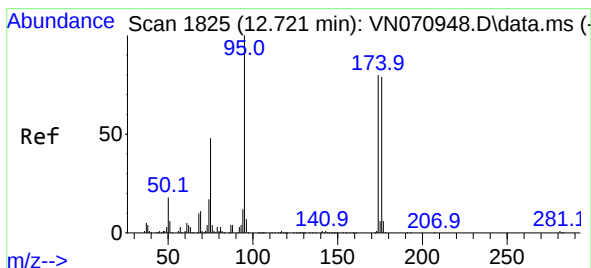
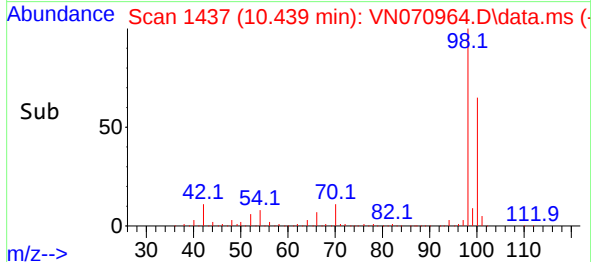
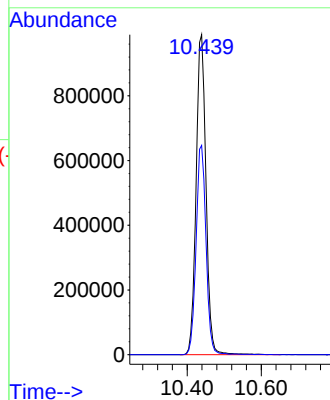
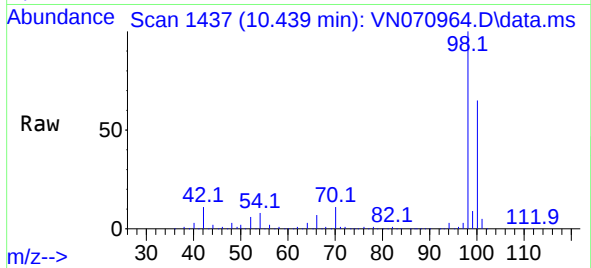




#50
Toluene-d8
Concen: 50.122 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN070964.D
Acq: 16 Feb 2022 17:52

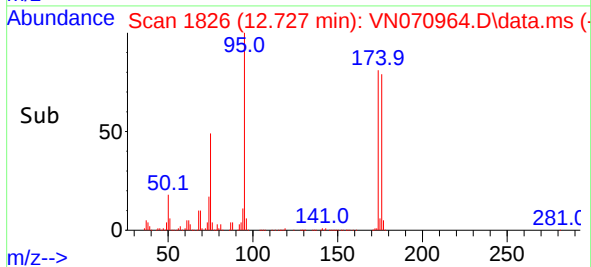
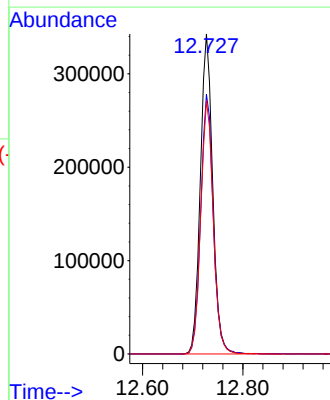
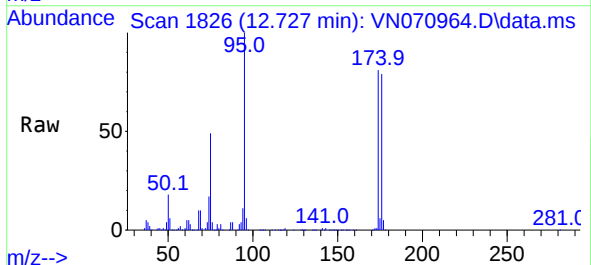
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

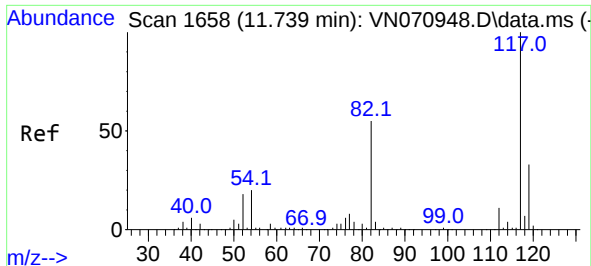
Tgt Ion: 98 Resp: 1829978
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6



#62
4-Bromofluorobenzene
Concen: 44.800 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN070964.D
Acq: 16 Feb 2022 17:52

Tgt Ion: 95 Resp: 584652
Ion Ratio Lower Upper
95 100
174 82.5 0.0 187.2
176 80.2 0.0 181.4

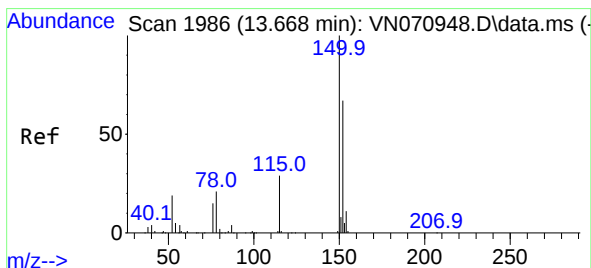
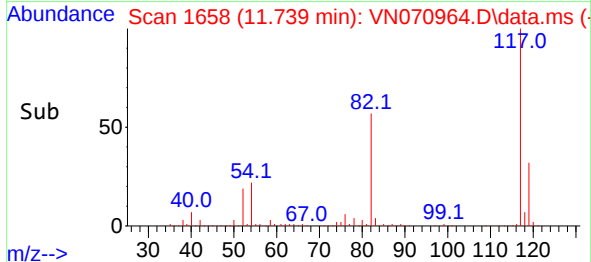
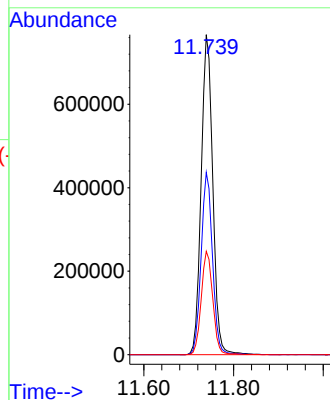
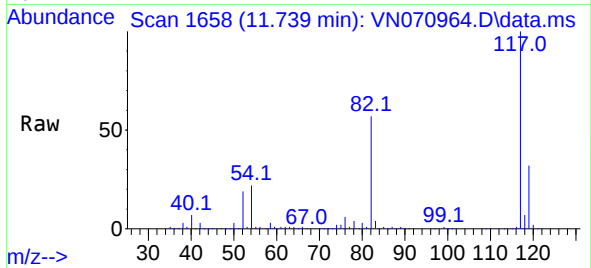




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN070964.D
Acq: 16 Feb 2022 17:52

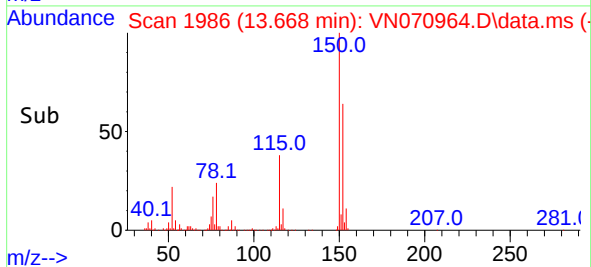
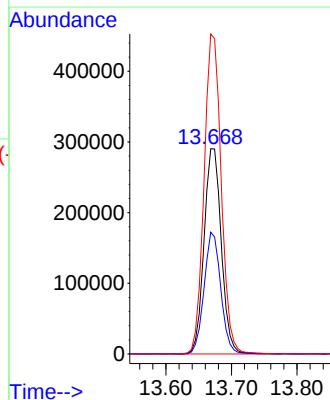
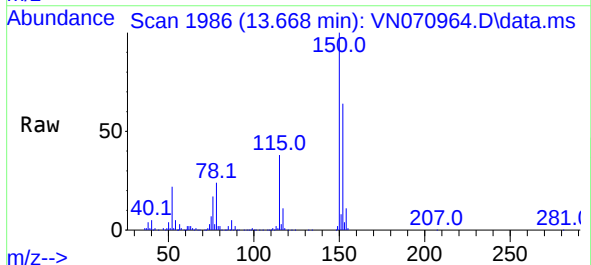
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

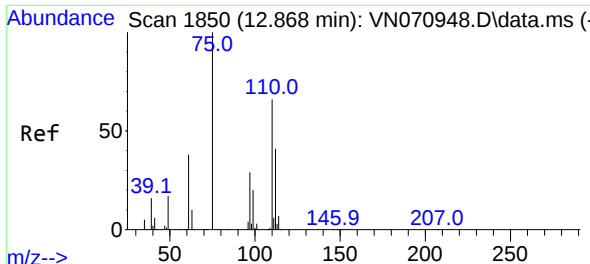
Tgt Ion:117 Resp: 1374592
Ion Ratio Lower Upper
117 100
82 57.0 42.4 63.6
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN070964.D
Acq: 16 Feb 2022 17:52

Tgt Ion:152 Resp: 532351
Ion Ratio Lower Upper
152 100
115 57.4 27.5 82.5
150 155.1 0.0 344.4

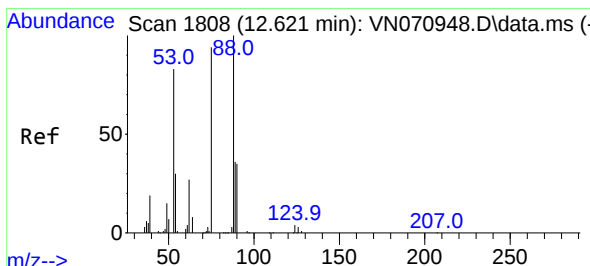
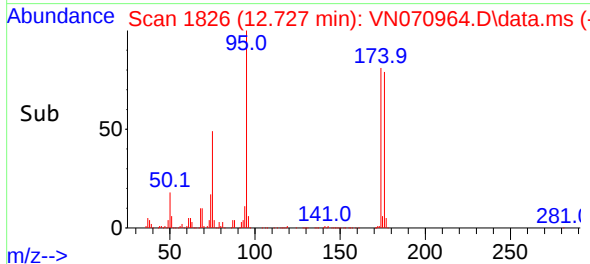
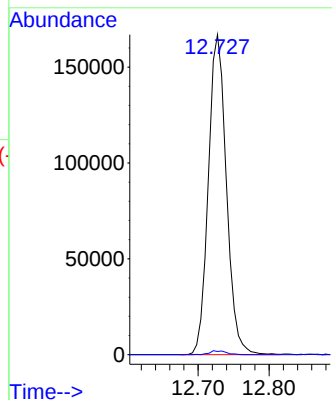
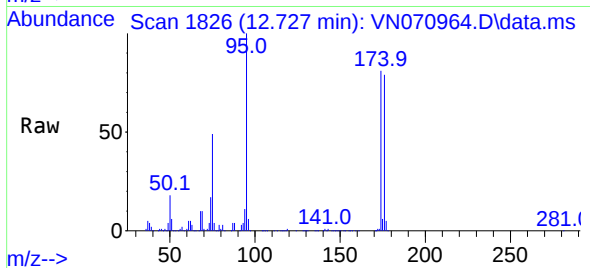




#76
1,2,3-Trichloropropane
Concen: 23.564 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN070964.D
Acq: 16 Feb 2022 17:52

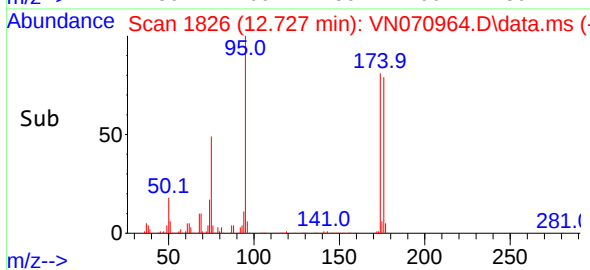
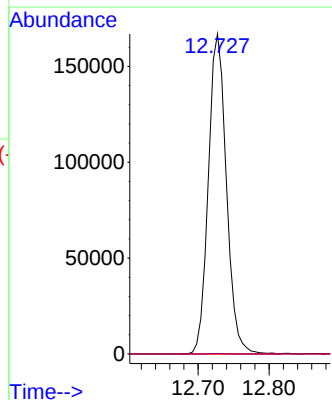
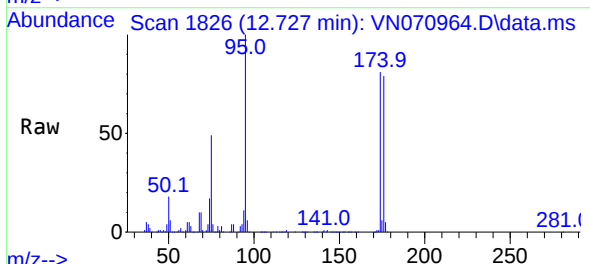
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

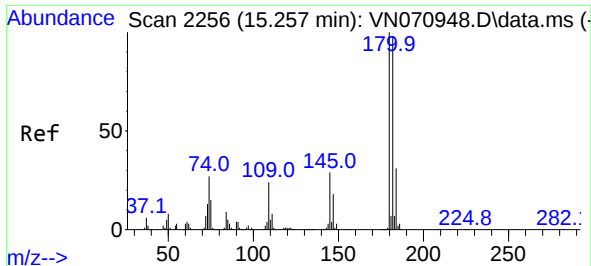
Tgt Ion: 75 Resp: 295359
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.359 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN070964.D
Acq: 16 Feb 2022 17:52

Tgt Ion: 75 Resp: 295359
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

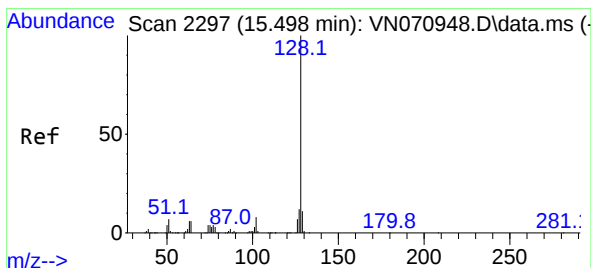
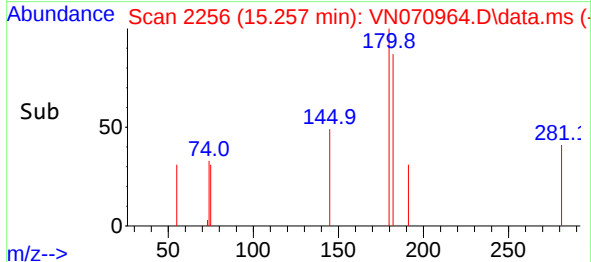
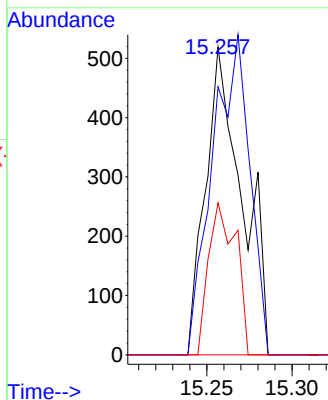
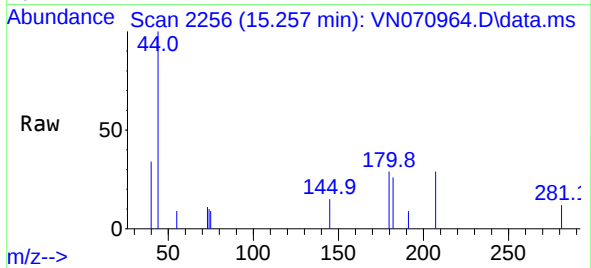




#93
1,2,4-Trichlorobenzene
Concen: 2.075 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070964.D
Acq: 16 Feb 2022 17:52

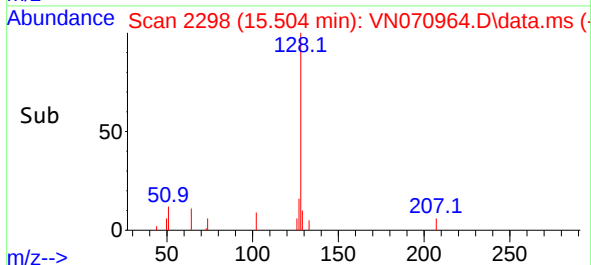
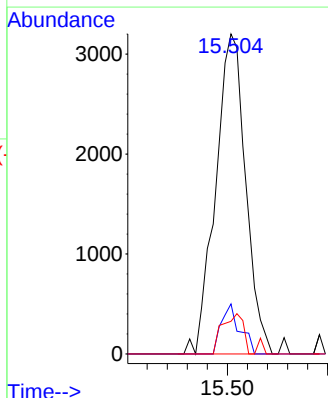
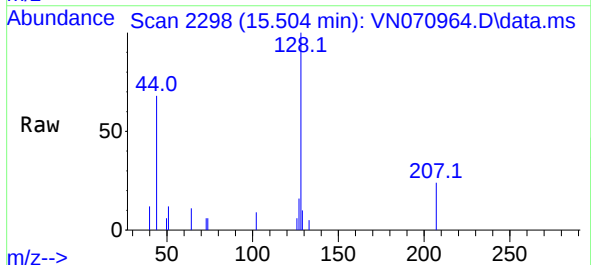
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

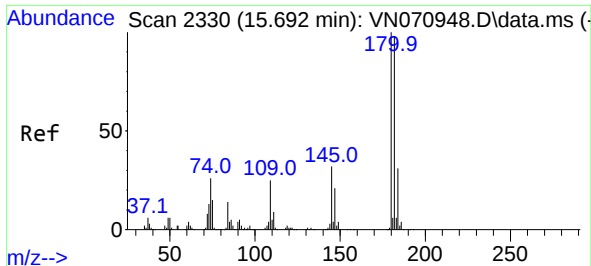
Tgt Ion:	180	Resp:	774
Ion	Ratio	Lower	Upper
180	100		
182	105.8	48.3	144.9
145	37.1	14.5	43.5



#95
Naphthalene
Concen: 5.241 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN070964.D
Acq: 16 Feb 2022 17:52

Tgt Ion:	128	Resp:	6656
Ion	Ratio	Lower	Upper
128	100		
127	9.6	10.5	15.7#
129	8.8	8.7	13.1





#96

1,2,3-Trichlorobenzene

Concen: 2.634 ug/l

RT: 15.698 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN070964.D

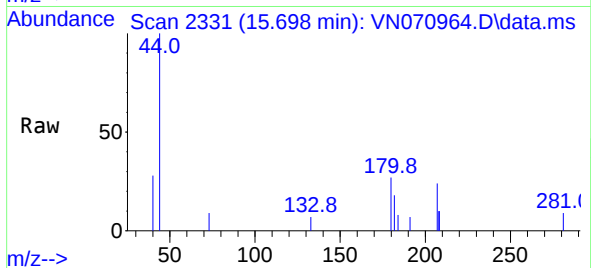
Acq: 16 Feb 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

MW-1R



Tgt Ion:180 Resp: 1121

Ion Ratio Lower Upper

180 100

182 80.1 47.4 142.2

145 0.0 15.0 45.1#

