

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022323\
 Data File : VN076790.D
 Acq On : 23 Feb 2023 13:46
 Operator : JC\MD
 Sample : 01664-03 40X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13-0222

Quant Time: Feb 24 01:34:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

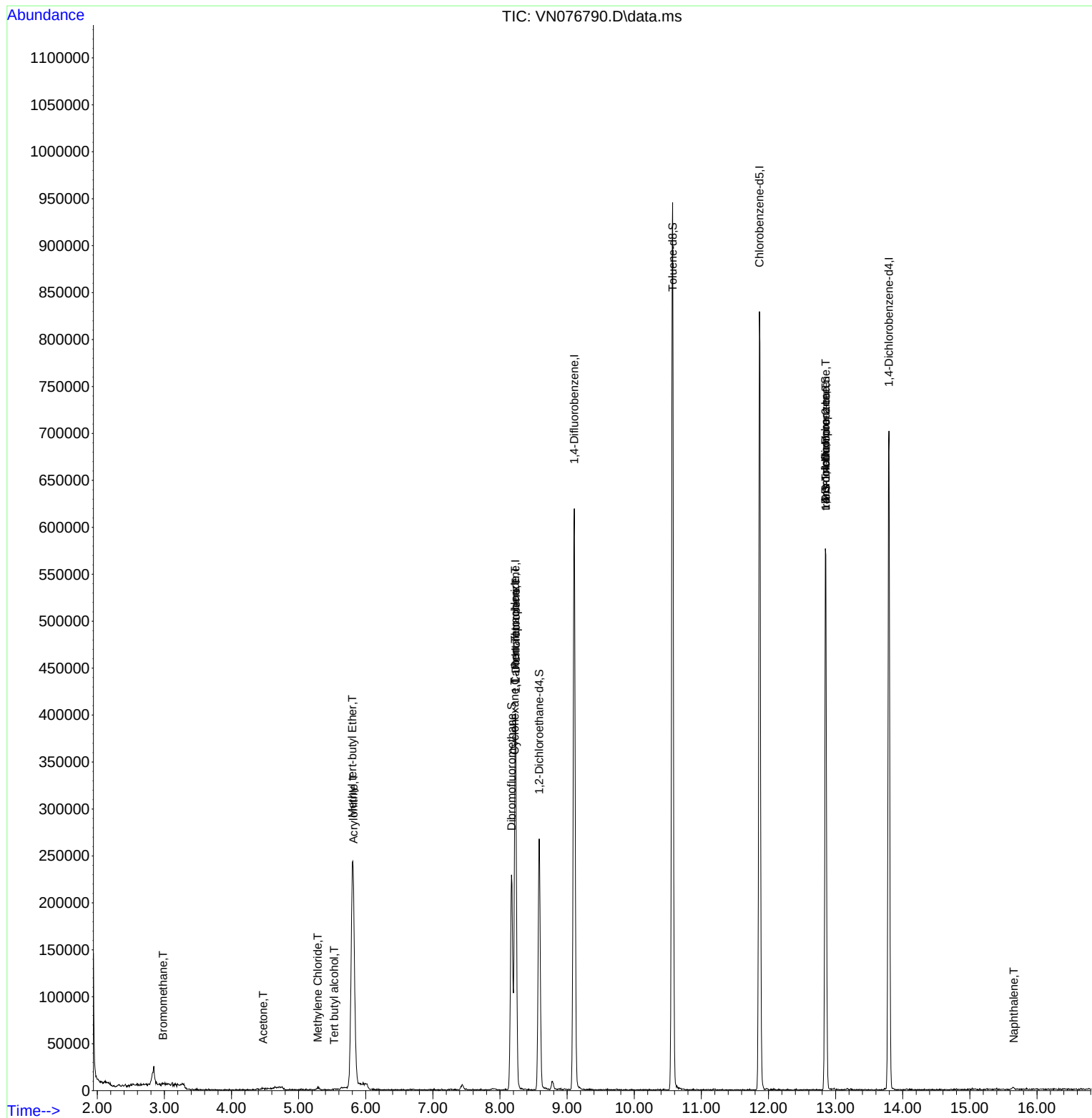
Internal Standards						
1) Pentafluorobenzene	8.231	168	285699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	516217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	458429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	175251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	200987	50.946	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.900%
35) Dibromofluoromethane	8.172	113	158593	46.912	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.820%
50) Toluene-d8	10.572	98	630318	49.926	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.860%
62) 4-Bromofluorobenzene	12.848	95	185902	44.459	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.920%
Target Compounds						
					Qvalue	
5) Bromomethane	2.978	94	781	0.331	ug/l #	6
11) Tert butyl alcohol	5.531	59	229	0.440	ug/l #	71
15) Acrylonitrile	5.819	53	6071	3.285	ug/l #	32
16) Acetone	4.472	43	1159	0.658	ug/l	95
19) Methyl tert-butyl Ether	5.801	73	367664	36.980	ug/l	97
20) Methylene Chloride	5.284	84	1264	0.342	ug/l #	58
31) Cyclohexane	8.219	56	9261	1.497	ug/l #	52
36) 1,1-Dichloropropene	8.237	75	25653	5.252	ug/l #	51
38) Carbon Tetrachloride	8.225	117	29601	6.008	ug/l #	17
71) Bromoform	12.848	173	2638	1.019	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	105004	29.636	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	105004	86.318	ug/l #	4
95) Naphthalene	15.654	128	2987	0.318	ug/l #	83

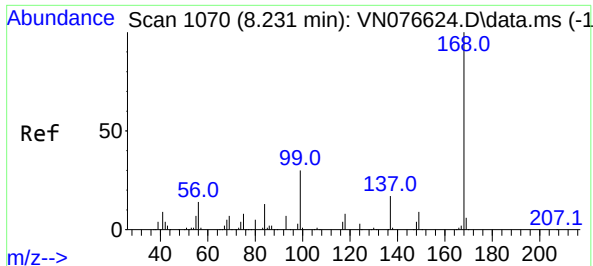
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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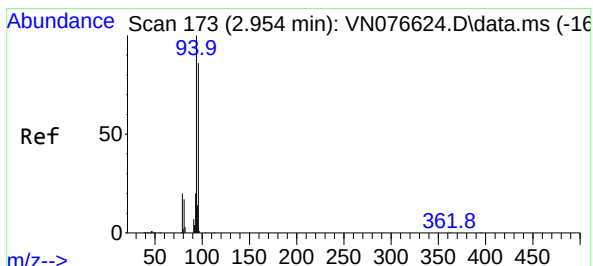
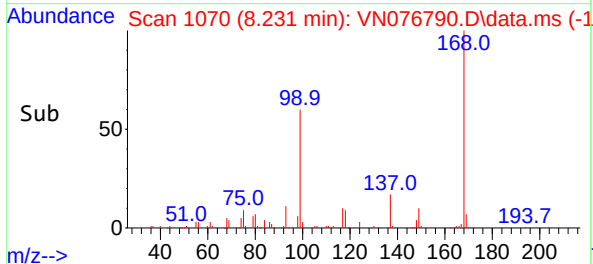
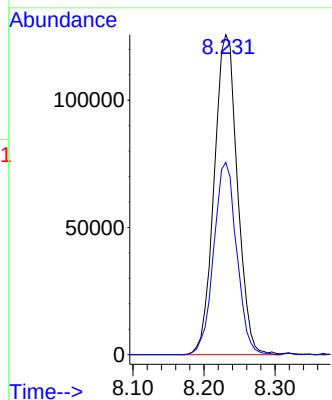
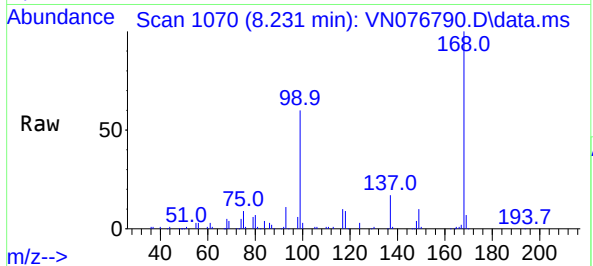




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN076790.D
Acq: 23 Feb 2023 13:46

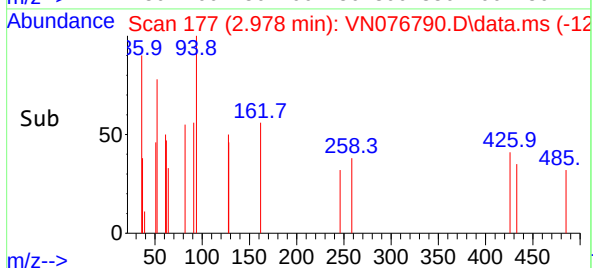
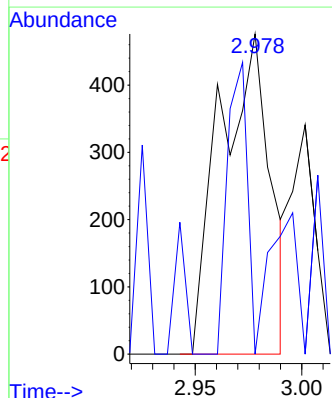
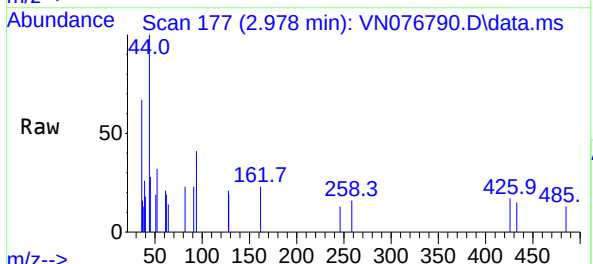
Instrument :
MSVOA_N
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MW-13-0222

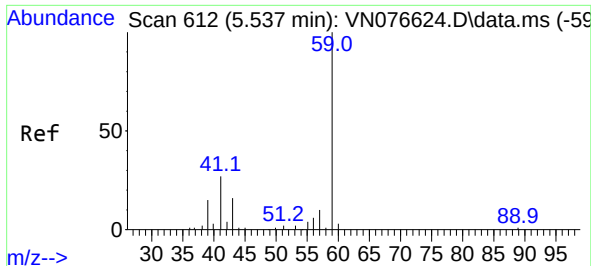
Tgt Ion:168 Resp: 285699
Ion Ratio Lower Upper
168 100
99 60.1 44.8 67.2



#5
Bromomethane
Concen: 0.331 ug/l
RT: 2.978 min Scan# 177
Delta R.T. 0.024 min
Lab File: VN076790.D
Acq: 23 Feb 2023 13:46

Tgt Ion: 94 Resp: 781
Ion Ratio Lower Upper
94 100
96 0.0 69.0 103.4#





#11

Tert butyl alcohol

Concen: 0.440 ug/l

RT: 5.531 min Scan# 611

Delta R.T. -0.006 min

Lab File: VN076790.D

Acq: 23 Feb 2023 13:46

Instrument :

MSVOA_N

ClientSampleId :

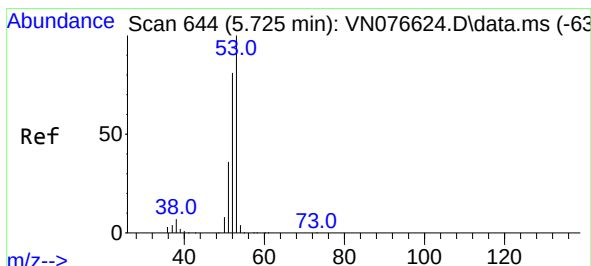
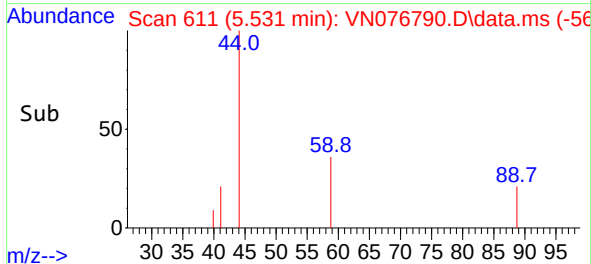
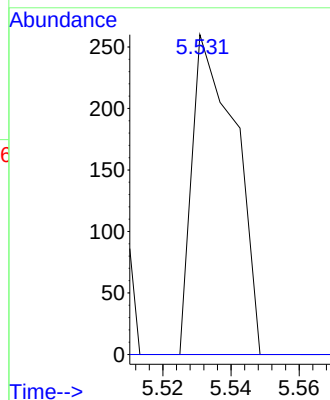
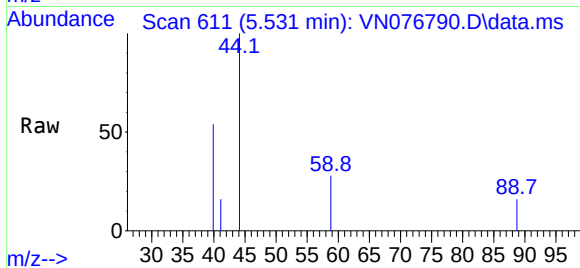
MW-13-0222

Tgt Ion: 59 Resp: 229

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#15

Acrylonitrile

Concen: 3.285 ug/l

RT: 5.819 min Scan# 660

Delta R.T. 0.094 min

Lab File: VN076790.D

Acq: 23 Feb 2023 13:46

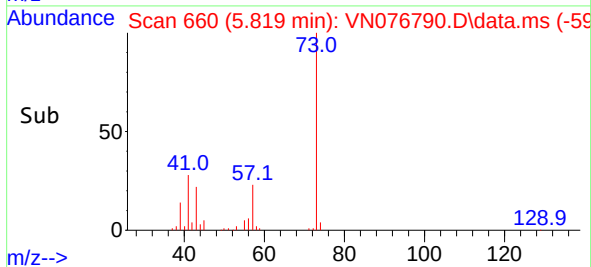
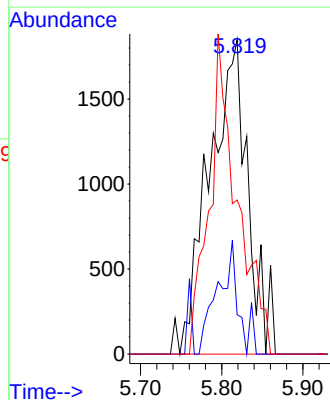
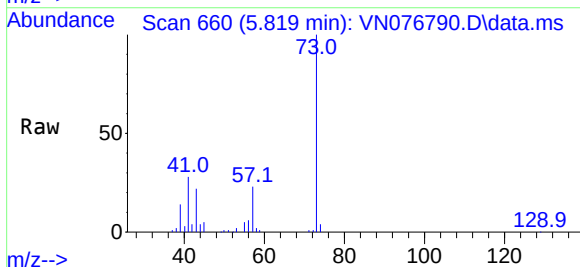
Tgt Ion: 53 Resp: 6071

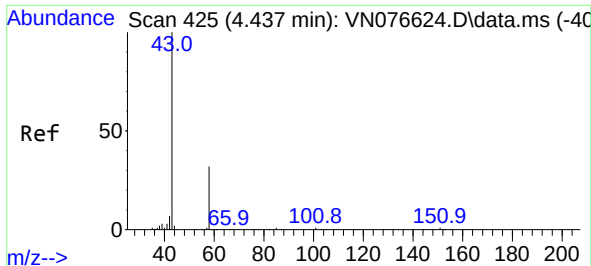
Ion Ratio Lower Upper

53 100

52 17.9 65.3 97.9#

51 0.0 29.2 43.8#

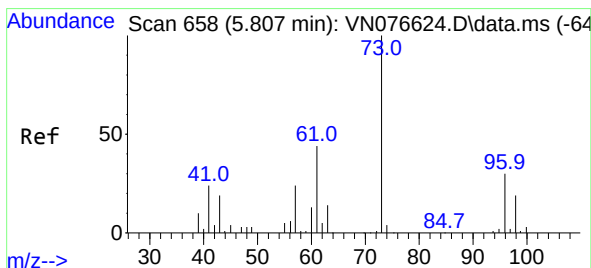
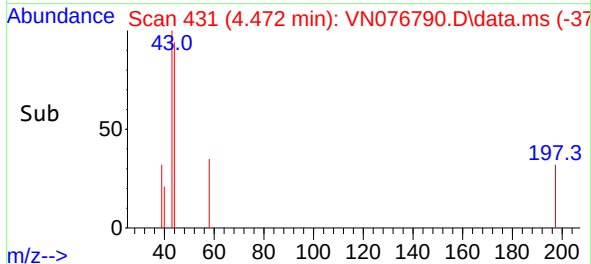
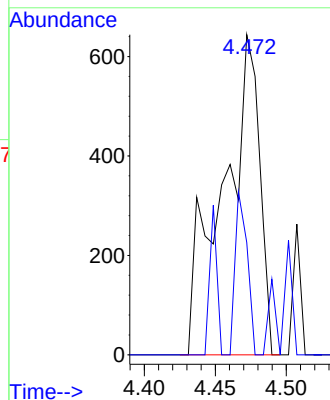
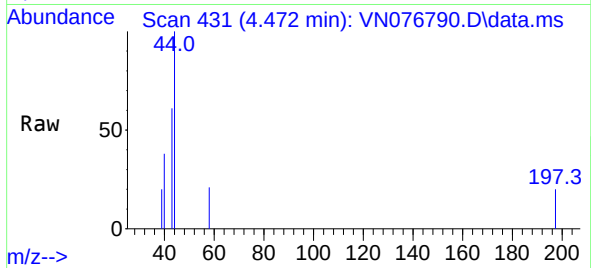




#16
Acetone
Concen: 0.658 ug/l
RT: 4.472 min Scan# 41
Delta R.T. 0.035 min
Lab File: VN076790.D
Acq: 23 Feb 2023 13:46

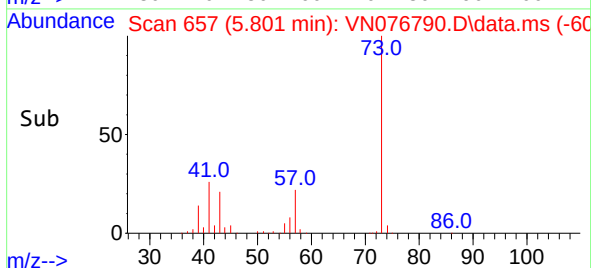
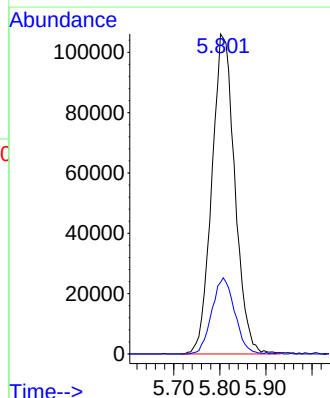
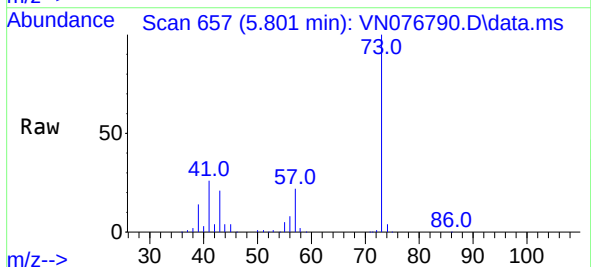
Instrument :
MSVOA_N
ClientSampleId :
MW-13-0222

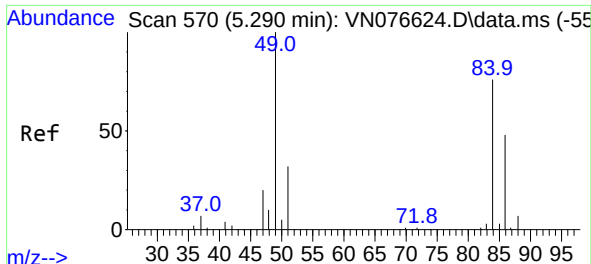
Tgt Ion: 43 Resp: 1159
Ion Ratio Lower Upper
43 100
58 35.1 25.9 38.9



#19
Methyl tert-butyl Ether
Concen: 36.980 ug/l
RT: 5.801 min Scan# 657
Delta R.T. -0.006 min
Lab File: VN076790.D
Acq: 23 Feb 2023 13:46

Tgt Ion: 73 Resp: 367664
Ion Ratio Lower Upper
73 100
57 22.4 19.0 28.4

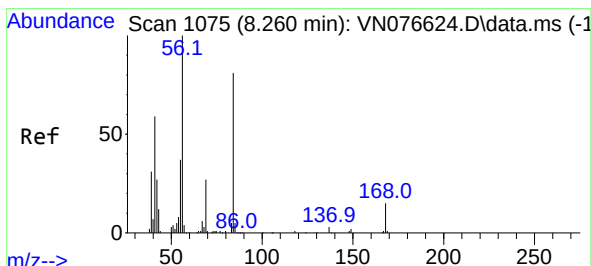
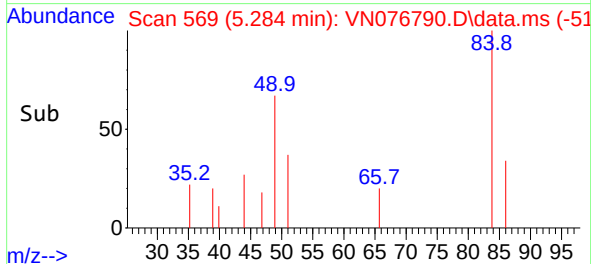
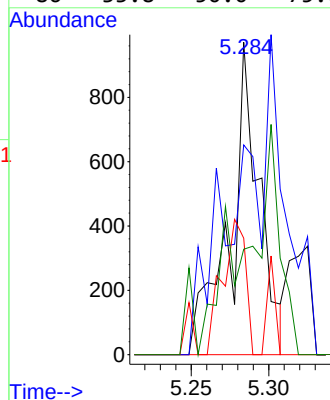
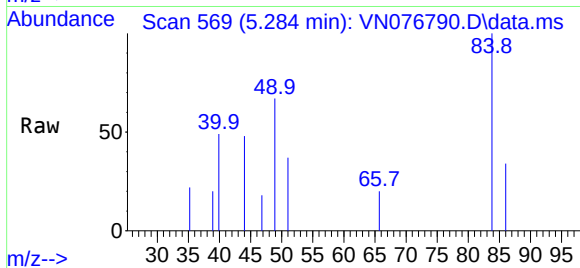




#20
Methylene Chloride
Concen: 0.342 ug/l
RT: 5.284 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN076790.D
Acq: 23 Feb 2023 13:46

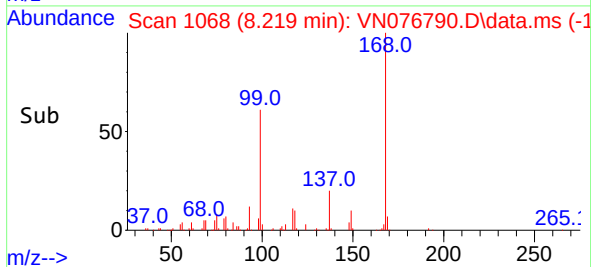
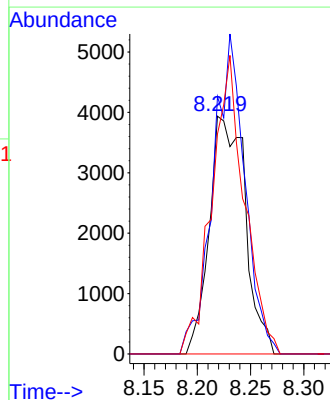
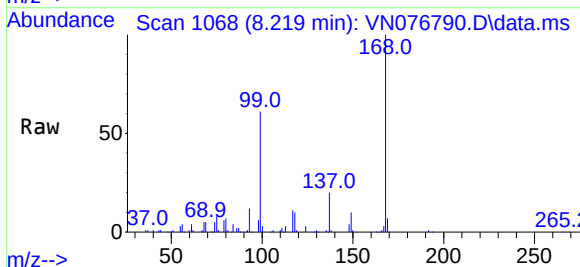
Instrument :
MSVOA_N
ClientSampleId :
MW-13-0222

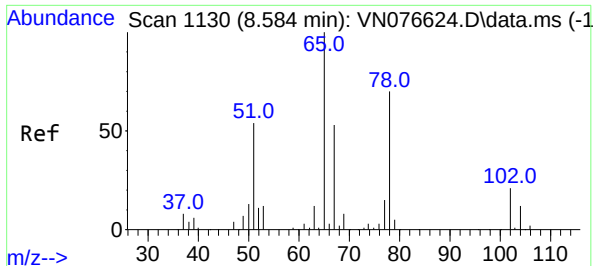
Tgt Ion:	84	Resp:	1264
Ion	Ratio	Lower	Upper
84	100		
49	67.1	104.9	157.3#
51	37.3	33.8	50.8
86	33.8	50.0	75.0#



#31
Cyclohexane
Concen: 1.497 ug/l
RT: 8.219 min Scan# 1068
Delta R.T. -0.041 min
Lab File: VN076790.D
Acq: 23 Feb 2023 13:46

Tgt Ion:	56	Resp:	9261
Ion	Ratio	Lower	Upper
56	100		
69	108.3	21.6	32.4#
84	92.5	65.1	97.7





#33

1,2-Dichloroethane-d4

Concen: 50.946 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN076790.D

Acq: 23 Feb 2023 13:46

Instrument :

MSVOA_N

ClientSampleId :

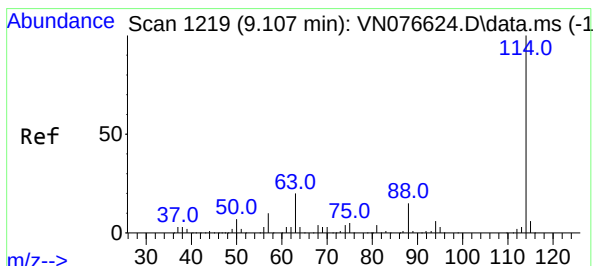
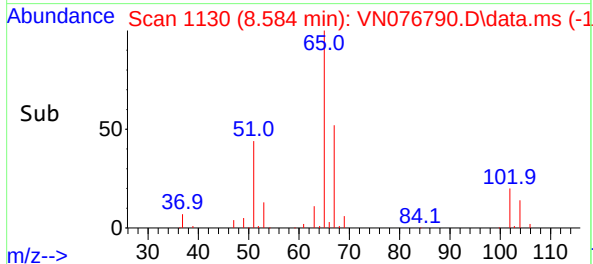
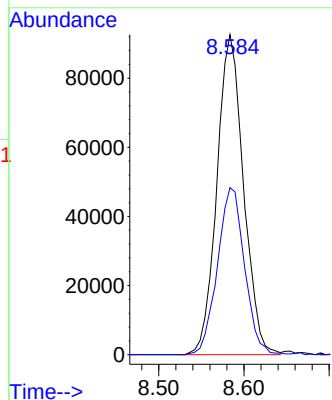
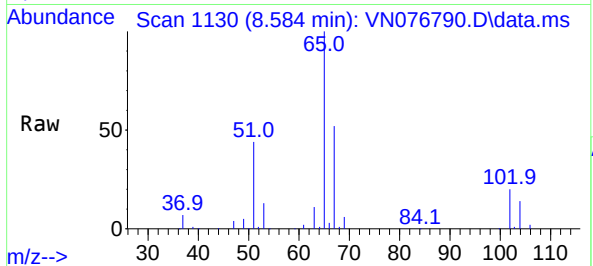
MW-13-0222

Tgt Ion: 65 Resp: 200987

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN076790.D

Acq: 23 Feb 2023 13:46

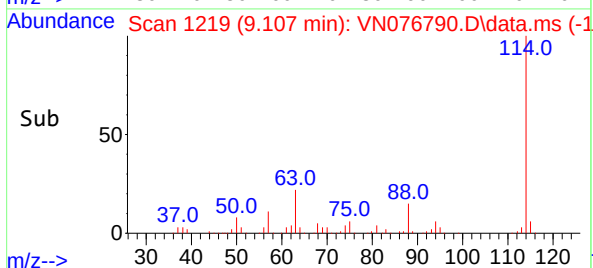
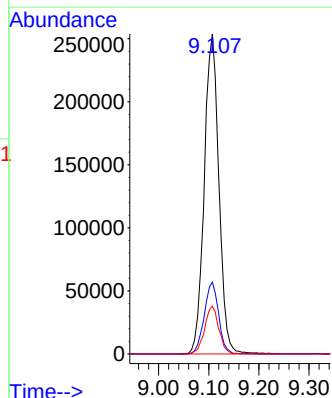
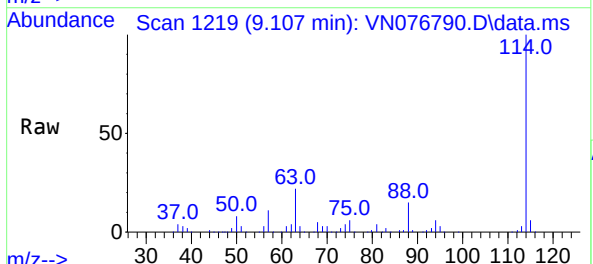
Tgt Ion: 114 Resp: 516217

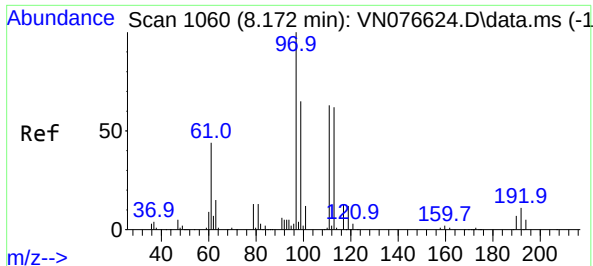
Ion Ratio Lower Upper

114 100

63 22.4 0.0 40.0

88 14.9 0.0 29.6

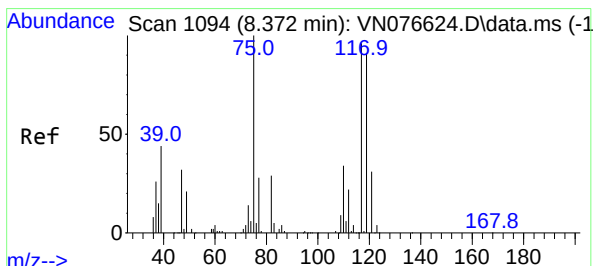
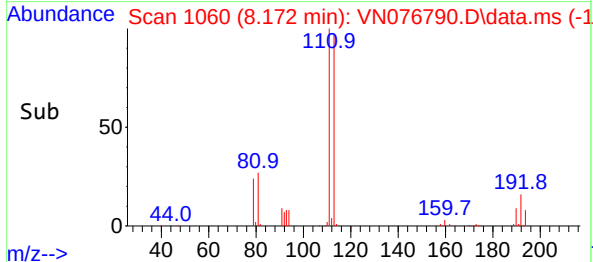
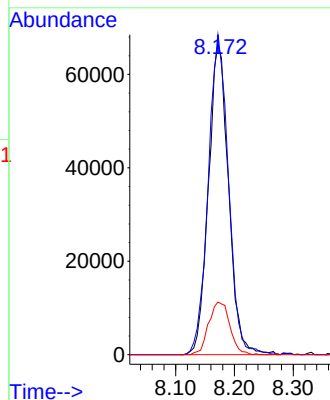
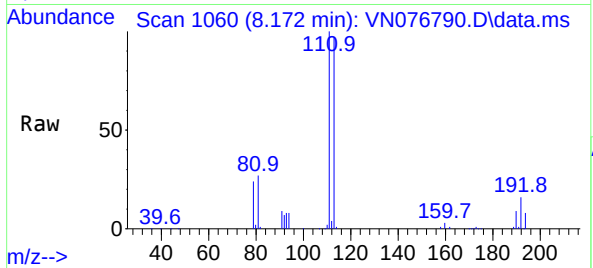




#35
Dibromofluoromethane
Concen: 46.912 ug/l
RT: 8.172 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076790.D
Acq: 23 Feb 2023 13:46

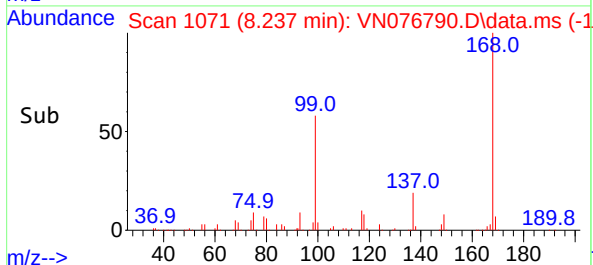
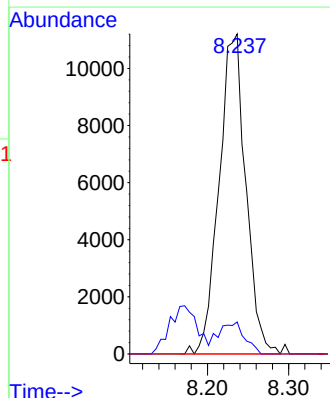
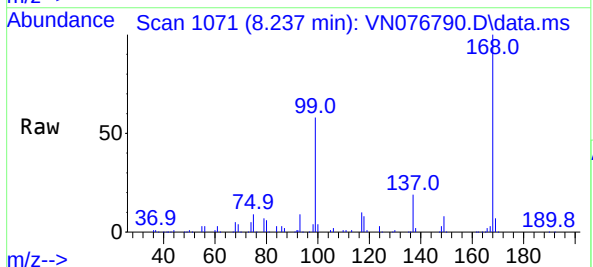
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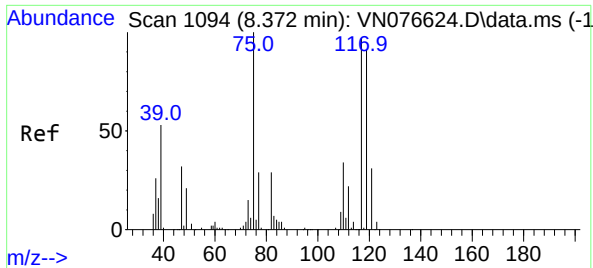
Tgt Ion:113 Resp: 158593
Ion Ratio Lower Upper
113 100
111 103.6 83.1 124.7
192 17.8 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.252 ug/l
RT: 8.237 min Scan# 1071
Delta R.T. -0.135 min
Lab File: VN076790.D
Acq: 23 Feb 2023 13:46

Tgt Ion: 75 Resp: 25653
Ion Ratio Lower Upper
75 100
110 9.8 17.5 52.5#
77 0.0 24.5 36.7#

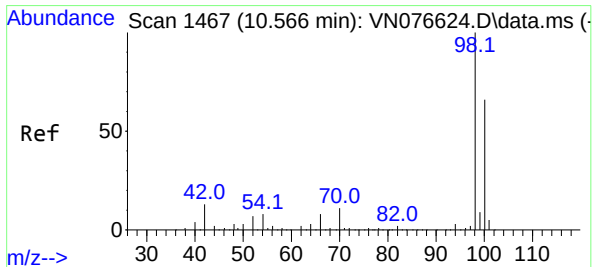
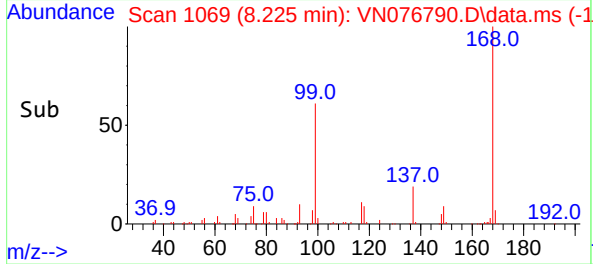
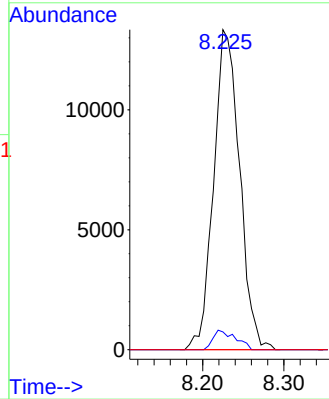
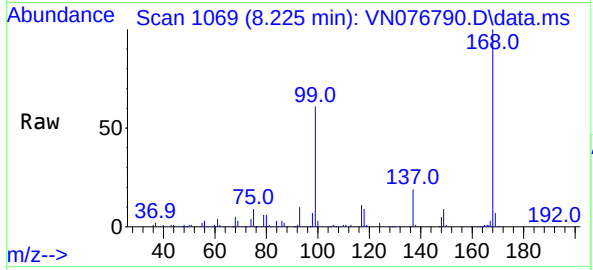




#38
Carbon Tetrachloride
Concen: 6.008 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.147 min
Lab File: VN076790.D
Acq: 23 Feb 2023 13:46

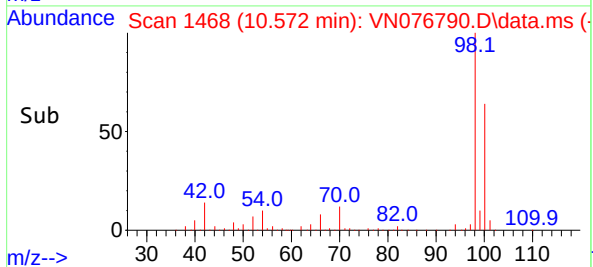
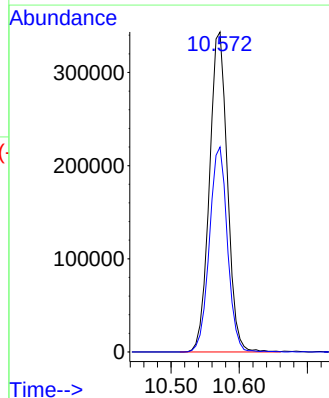
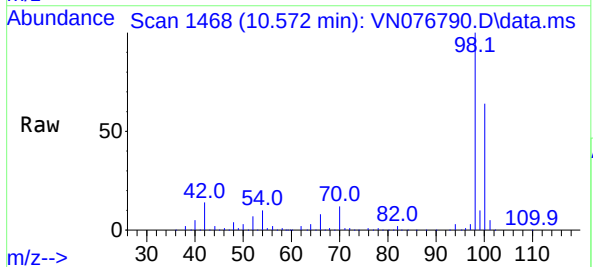
Instrument :
MSVOA_N
ClientSampleId :
MW-13-0222

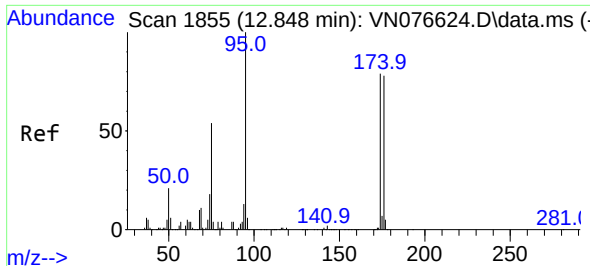
Tgt Ion:117 Resp: 29601
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.0#
121 0.0 26.0 39.0#



#50
Toluene-d8
Concen: 49.926 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076790.D
Acq: 23 Feb 2023 13:46

Tgt Ion: 98 Resp: 630318
Ion Ratio Lower Upper
98 100
100 64.2 52.9 79.3

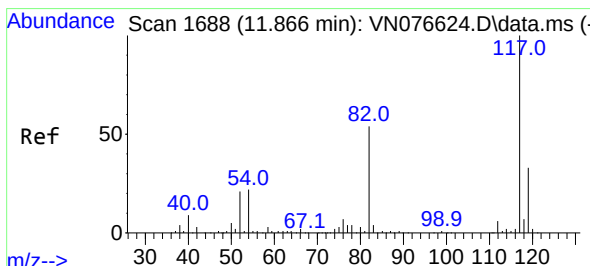
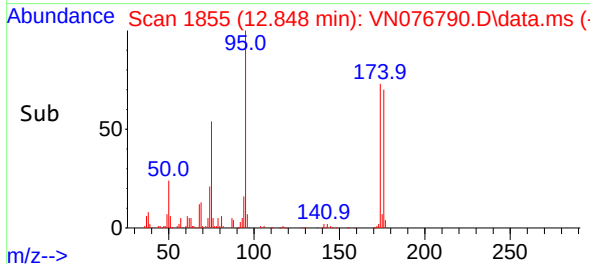
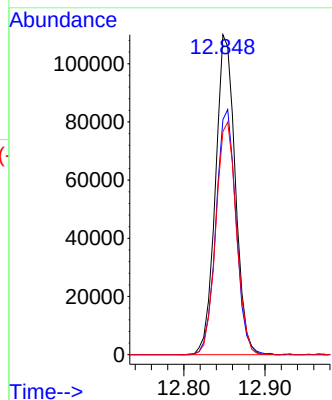
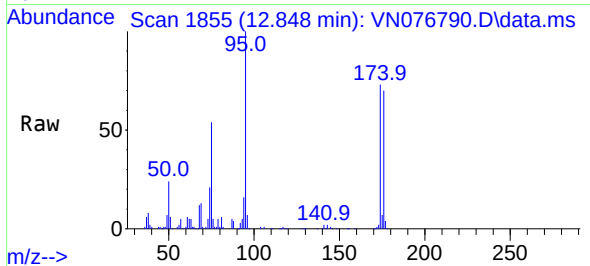




#62
4-Bromofluorobenzene
Concen: 44.459 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.000 min
Lab File: VN076790.D
Acq: 23 Feb 2023 13:46

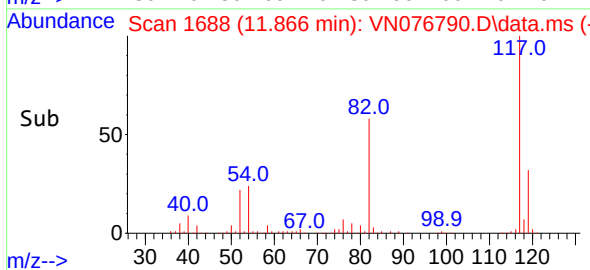
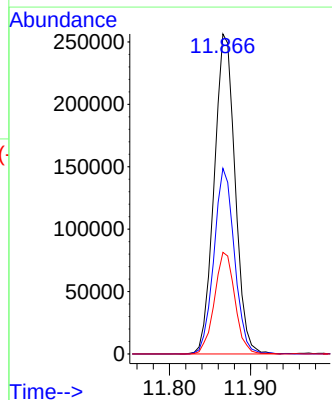
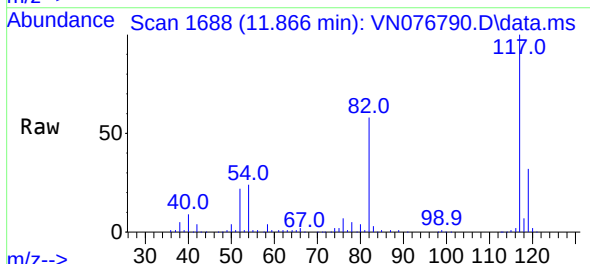
Instrument :
MSVOA_N
ClientSampleId :
MW-13-0222

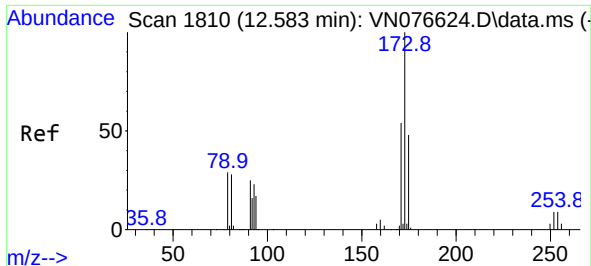
Tgt Ion: 95 Resp: 185902
Ion Ratio Lower Upper
95 100
174 77.7 0.0 169.2
176 75.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076790.D
Acq: 23 Feb 2023 13:46

Tgt Ion: 117 Resp: 458429
Ion Ratio Lower Upper
117 100
82 58.0 43.4 65.2
119 31.7 26.1 39.1

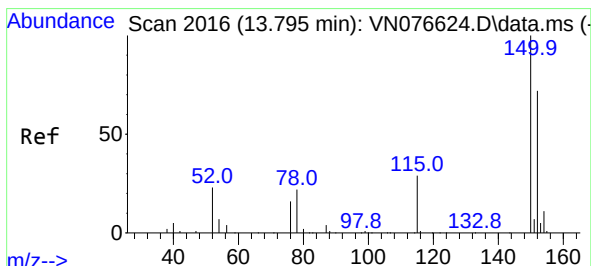
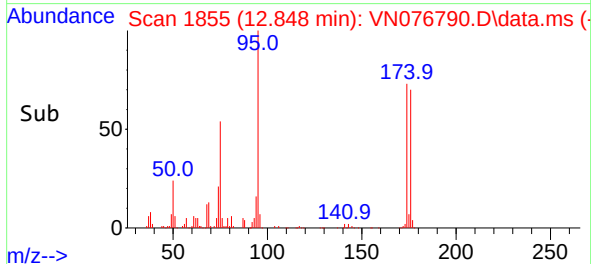
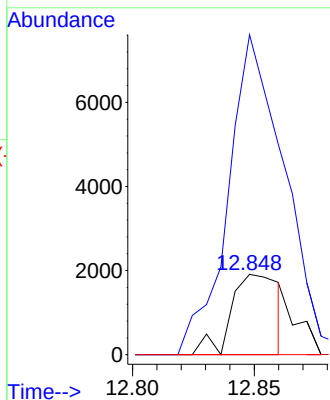
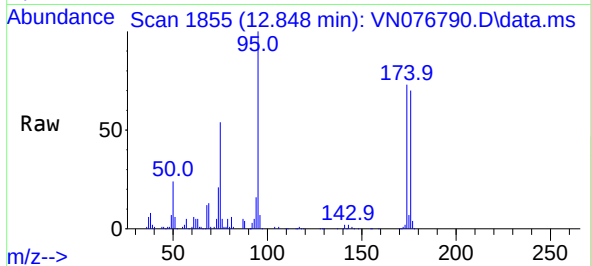




#71
Bromoform
Concen: 1.019 ug/l
RT: 12.848 min Scan# 1810
Delta R.T. 0.265 min
Lab File: VN076790.D
Acq: 23 Feb 2023 13:46

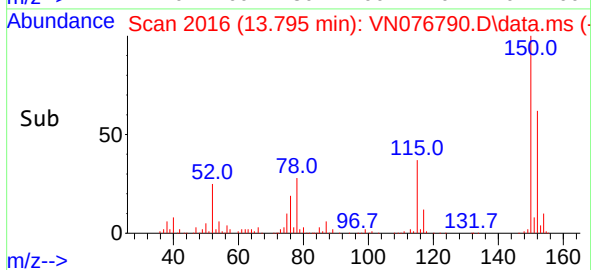
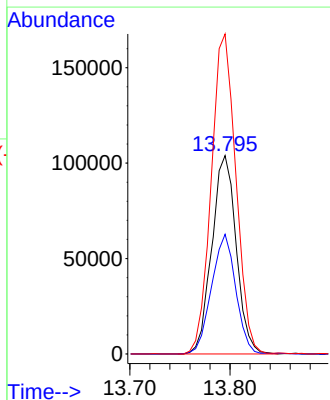
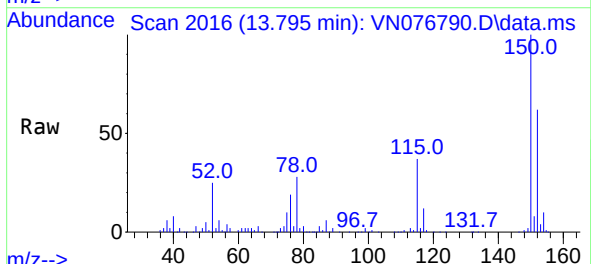
Instrument :
MSVOA_N
ClientSampleId :
MW-13-0222

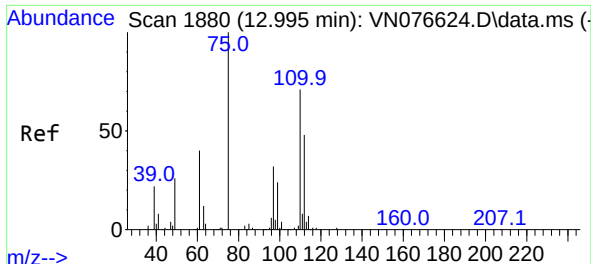
Tgt Ion:173 Resp: 2638
Ion Ratio Lower Upper
173 100
175 382.5 24.9 74.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN076790.D
Acq: 23 Feb 2023 13:46

Tgt Ion:152 Resp: 175251
Ion Ratio Lower Upper
152 100
115 59.9 29.3 87.9
150 163.3 0.0 349.8

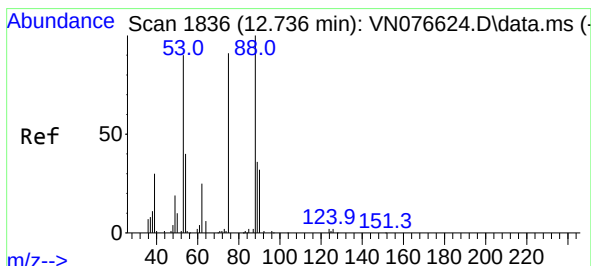
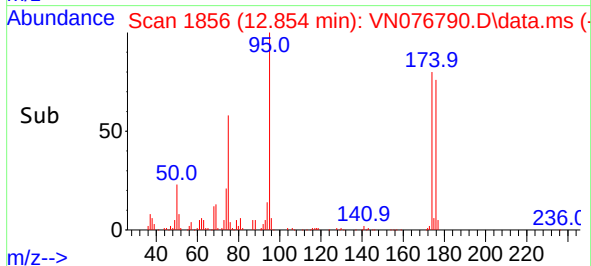
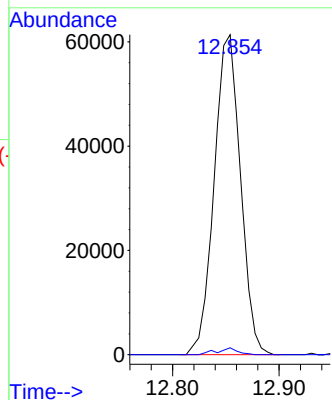
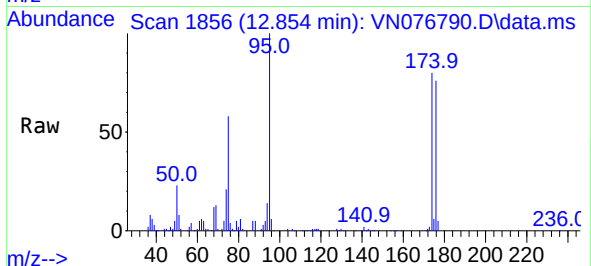




#76
1,2,3-Trichloropropane
Concen: 29.636 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076790.D
Acq: 23 Feb 2023 13:46

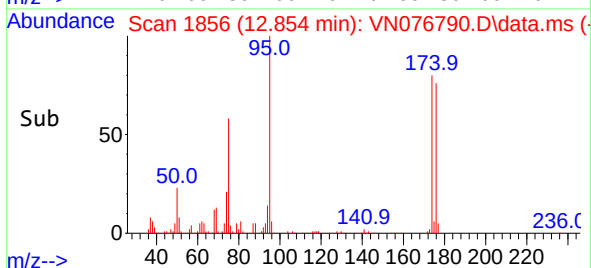
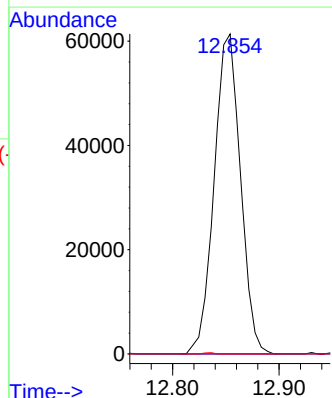
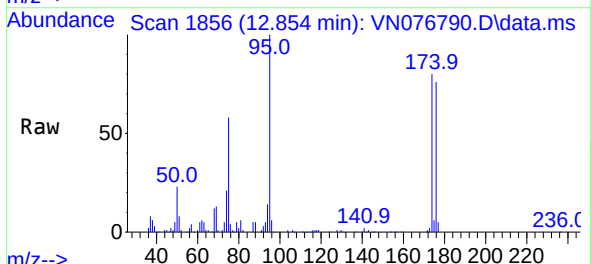
Instrument :
MSVOA_N
ClientSampleId :
MW-13-0222

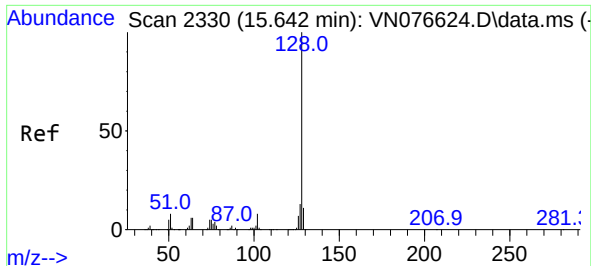
Tgt Ion: 75 Resp: 105004
Ion Ratio Lower Upper
75 100
77 1.7 93.1 279.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.318 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN076790.D
Acq: 23 Feb 2023 13:46

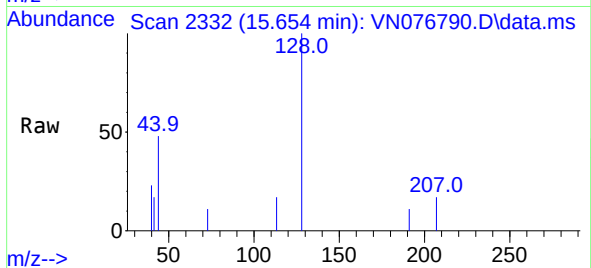
Tgt Ion: 75 Resp: 105004
Ion Ratio Lower Upper
75 100
53 0.0 92.1 138.1#
89 0.1 37.5 56.3#





#95
Naphthalene
Concen: 0.318 ug/l
RT: 15.654 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN076790.D
Acq: 23 Feb 2023 13:46

Instrument :
MSVOA_N
ClientSampleId :
MW-13-0222



Tgt Ion:128 Resp: 2987
Ion Ratio Lower Upper
128 100
127 9.9 10.6 16.0#
129 0.0 8.6 13.0#

