

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032624\
 Data File : VX040796.D
 Acq On : 26 Mar 2024 12:04
 Operator : JC/MD
 Sample : P1867-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-148-GW01

Quant Time: Mar 27 02:43:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:44:48 2024
 Response via : Initial Calibration

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

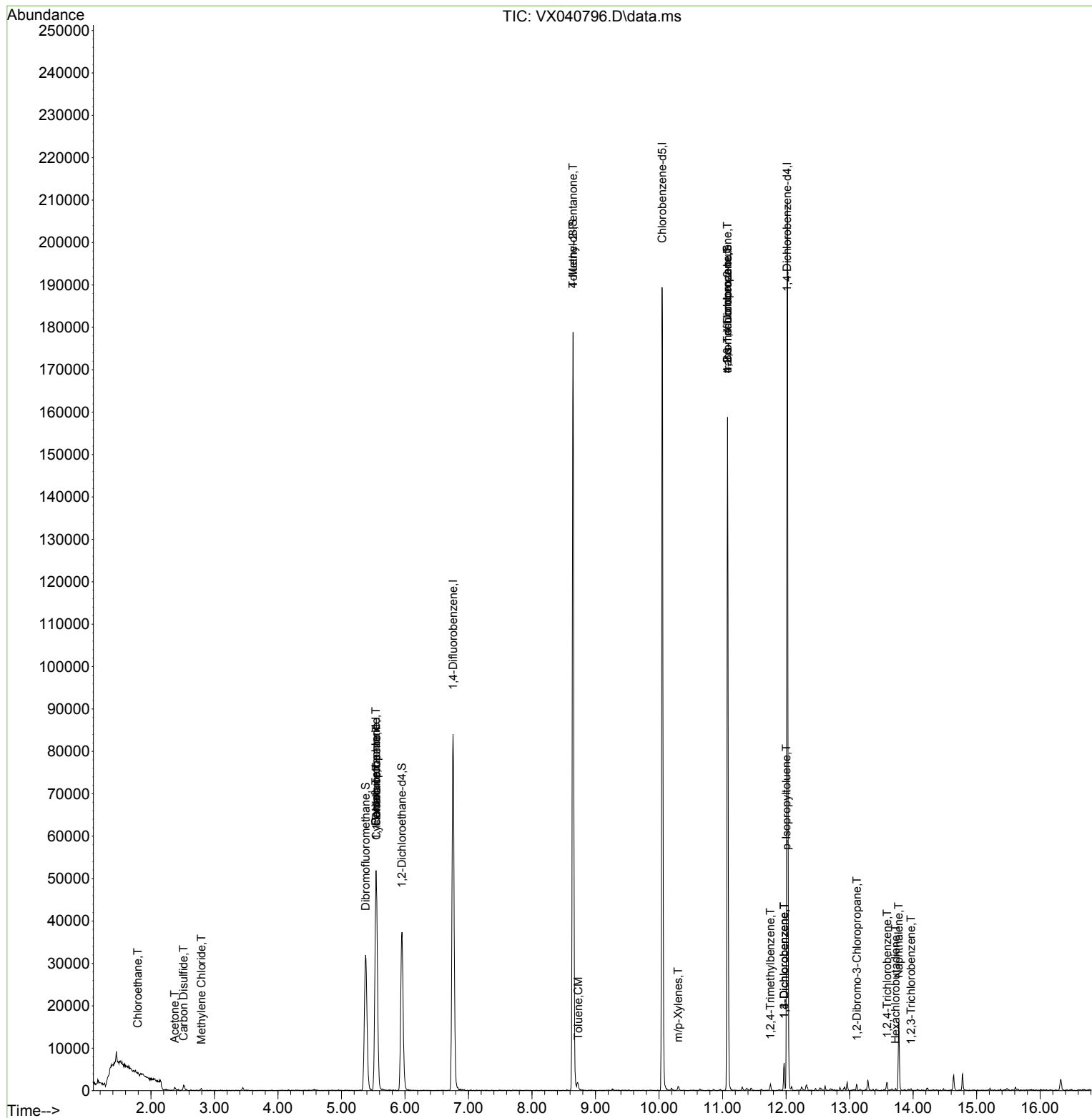
Internal Standards						
1) Pentafluorobenzene	5.543	168	45168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	79719	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	78150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	38713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	37342	49.168	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.340%		
35) Dibromofluoromethane	5.379	113	27970	46.890	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.780%		
50) Toluene-d8	8.646	98	100761	49.333	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.660%		
62) 4-Bromofluorobenzene	11.079	95	39000	48.330	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.660%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.794	64	543	1.365	ug/l #	52
16) Acetone	2.373	43	840	3.123	ug/l #	69
17) Carbon Disulfide	2.513	76	883	0.576	ug/l #	76
20) Methylene Chloride	2.794	84	221	0.376	ug/l #	60
31) Cyclohexane	5.549	56	1338	1.483	ug/l #	54
36) 1,1-Dichloropropene	5.549	75	4080	4.645	ug/l #	51
38) Carbon Tetrachloride	5.543	117	4901	4.958	ug/l #	14
51) 4-Methyl-2-Pentanone	8.646	43	499	0.514	ug/l #	1
52) Toluene	8.726	92	706	0.488	ug/l	94
68) m/p-Xylenes	10.299	106	334	0.287	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	23195	27.858	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	23195	70.475	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	863	0.348	ug/l	86
86) p-Isopropyltoluene	12.006	119	542	0.208	ug/l #	83
87) 1,3-Dichlorobenzene	11.969	146	1731	1.275	ug/l	97
88) 1,4-Dichlorobenzene	11.969	146	1731	1.200	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	13.115	75	89	0.358	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.591	180	438	0.462	ug/l	86
94) Hexachlorobutadiene	13.725	225	103	0.276	ug/l	78
95) Naphthalene	13.774	128	9697	3.233	ug/l	99
96) 1,2,3-Trichlorobenzene	13.969	180	191	0.205	ug/l	92

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

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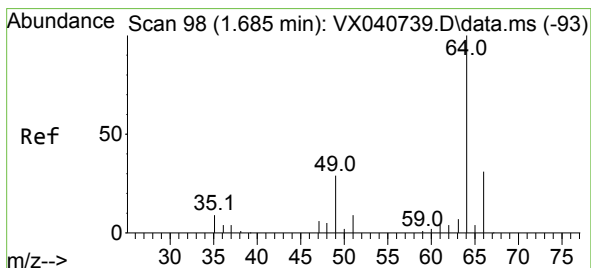
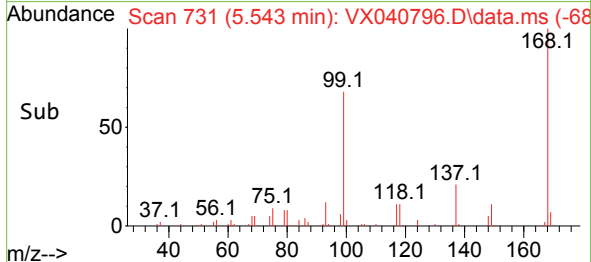
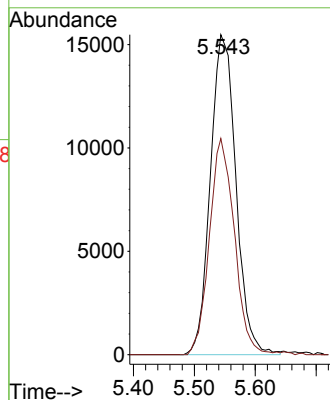
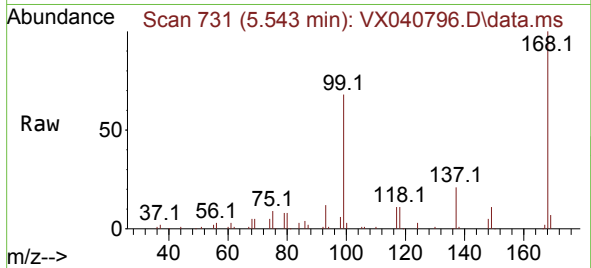




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

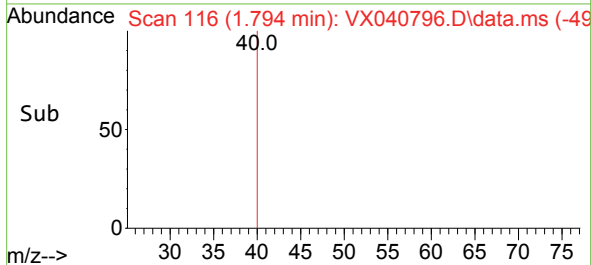
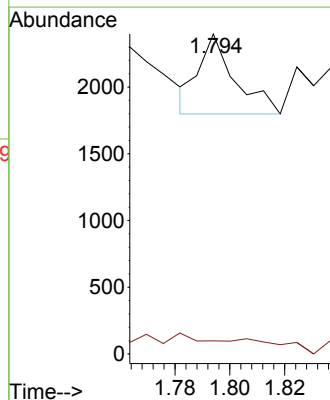
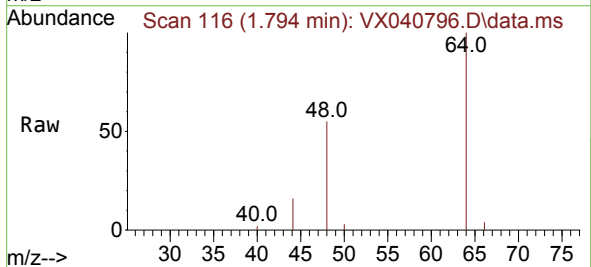
Instrument :
MSVOA_X
ClientSampleId :
B-148-GW01

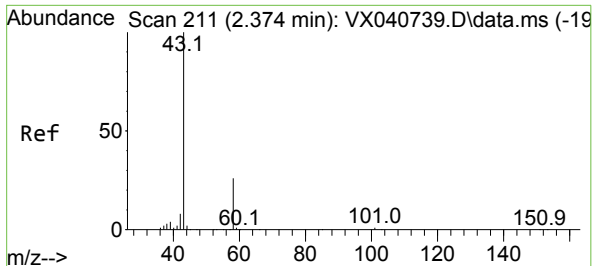
Tgt Ion:168 Resp: 45168
Ion Ratio Lower Upper
168 100
99 67.6 56.6 85.0



#6
Chloroethane
Concen: 1.365 ug/l
RT: 1.794 min Scan# 116
Delta R.T. 0.109 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

Tgt Ion: 64 Resp: 543
Ion Ratio Lower Upper
64 100
66 4.8 25.1 37.7#

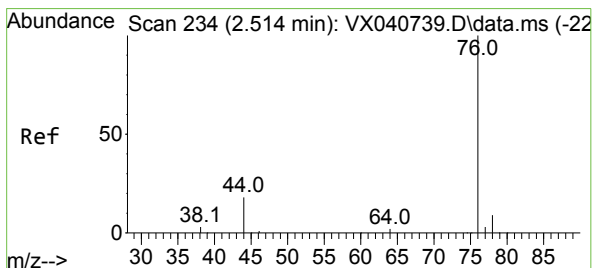
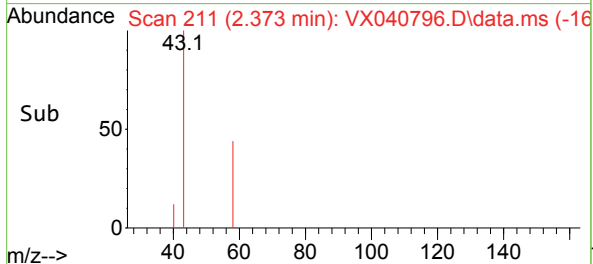
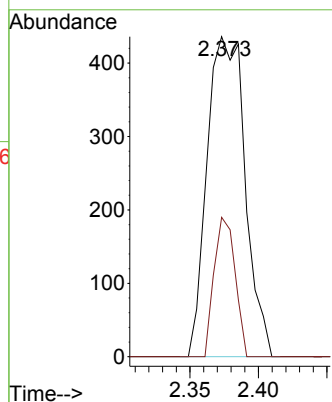
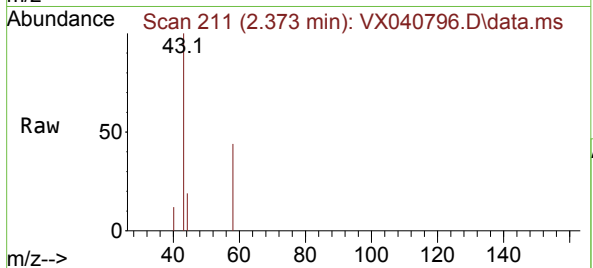




#16
Acetone
Concen: 3.123 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.001 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

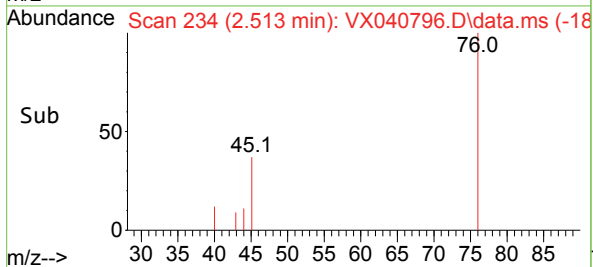
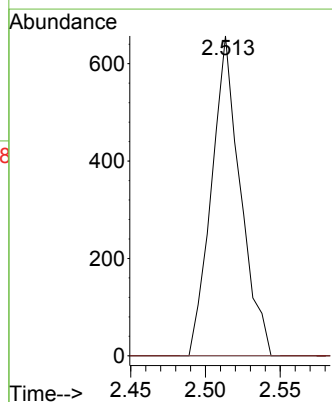
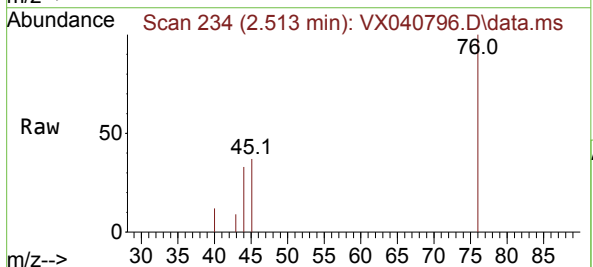
Instrument :
MSVOA_X
ClientSampleId :
B-148-GW01

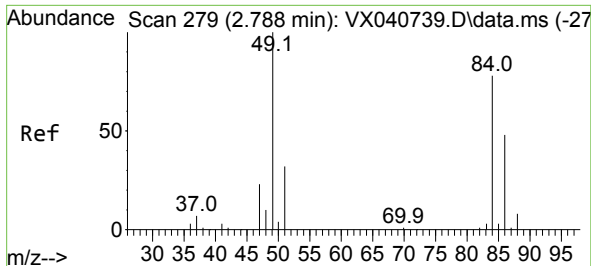
Tgt Ion: 43 Resp: 840
Ion Ratio Lower Upper
43 100
58 43.6 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.576 ug/l
RT: 2.513 min Scan# 234
Delta R.T. -0.001 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

Tgt Ion: 76 Resp: 883
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

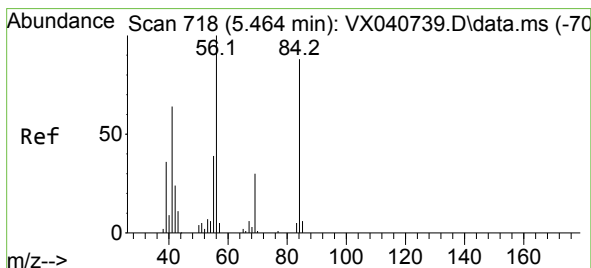
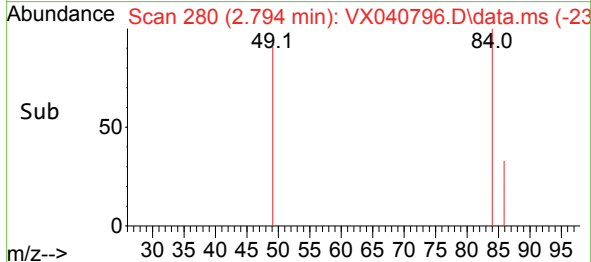
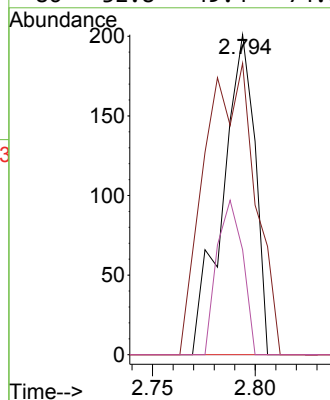
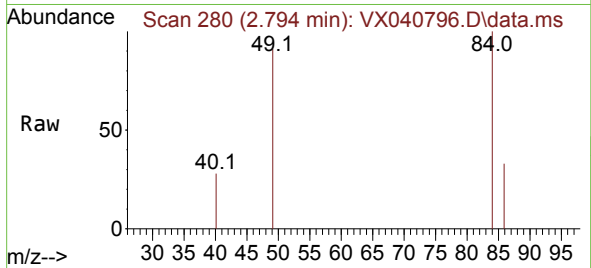




#20
Methylene Chloride
Concen: 0.376 ug/l
RT: 2.794 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

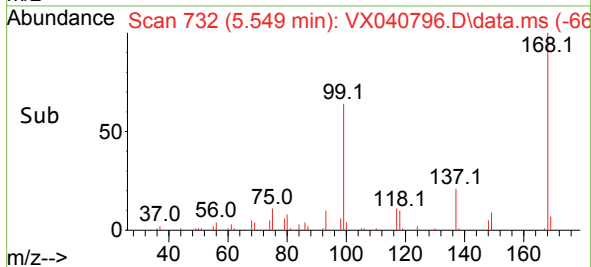
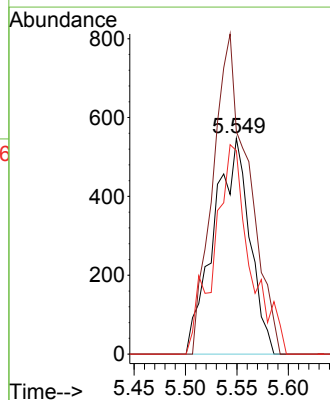
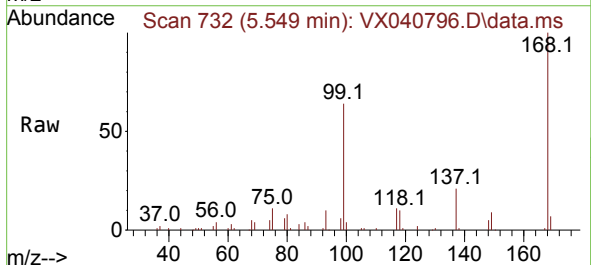
Instrument :
MSVOA_X
ClientSampleId :
B-148-GW01

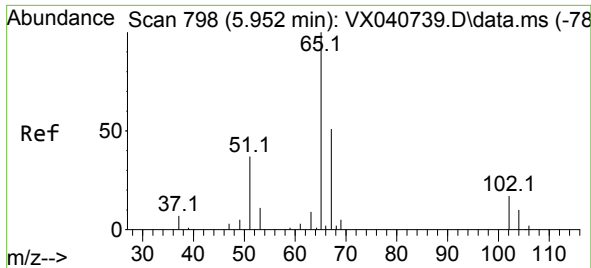
Tgt Ion: 84	Resp:	221	
Ion	Ratio	Lower	Upper
84	100		
49	91.0	103.6	155.4#
51	0.0	33.8	50.6#
86	32.8	49.4	74.0#



#31
Cyclohexane
Concen: 1.483 ug/l
RT: 5.549 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

Tgt Ion: 56	Resp:	1338	
Ion	Ratio	Lower	Upper
56	100		
69	103.3	23.4	35.2#
84	94.3	65.9	98.9

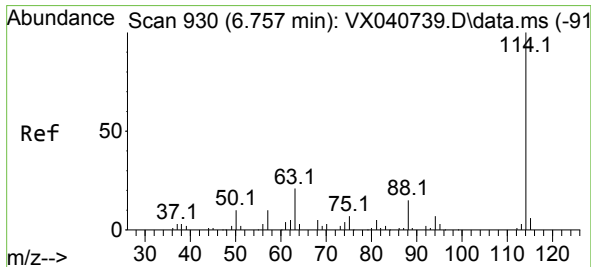
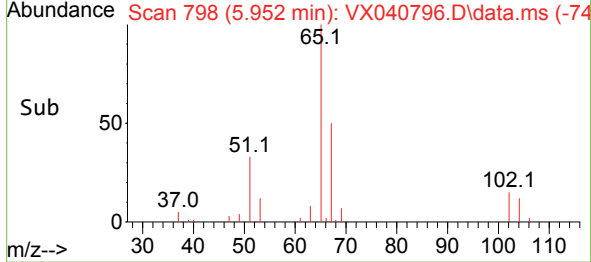
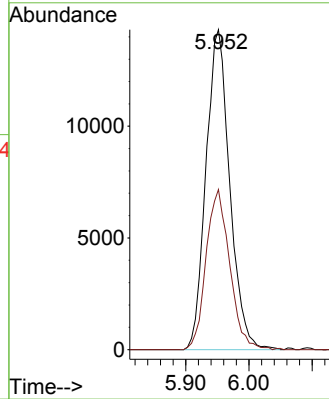
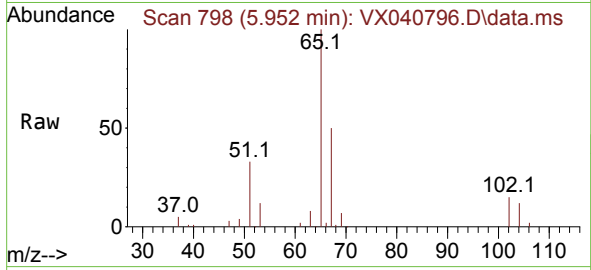




#33
 1,2-Dichloroethane-d4
 Concen: 49.168 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX040796.D
 Acq: 26 Mar 2024 12:04

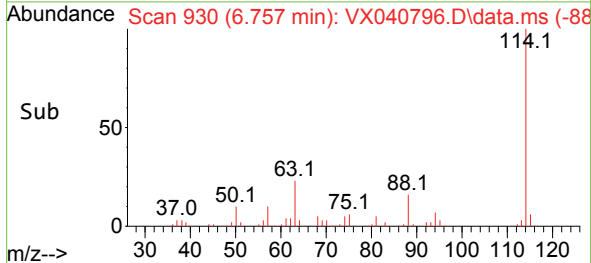
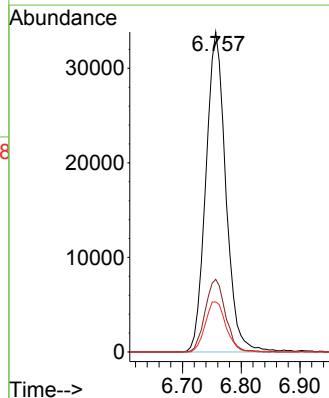
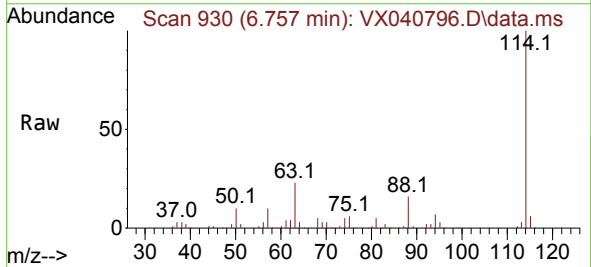
Instrument :
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 ClientSampleId :
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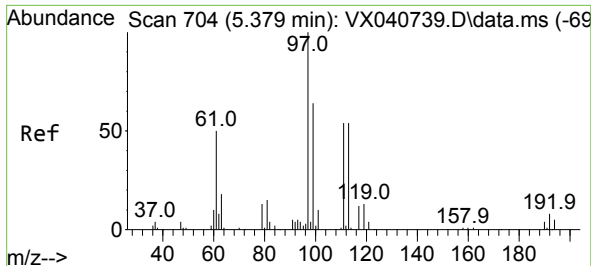
Tgt Ion: 65 Resp: 37342
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX040796.D
 Acq: 26 Mar 2024 12:04

Tgt Ion: 114 Resp: 79719
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.0
 88 15.6 0.0 36.6

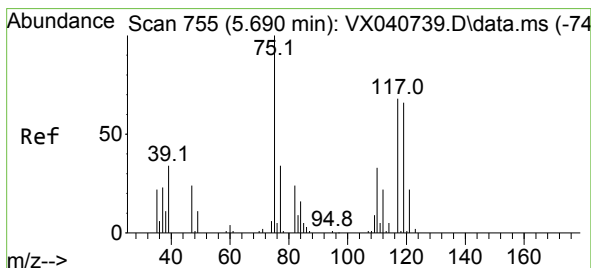
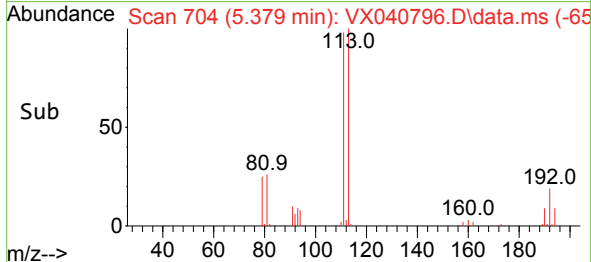
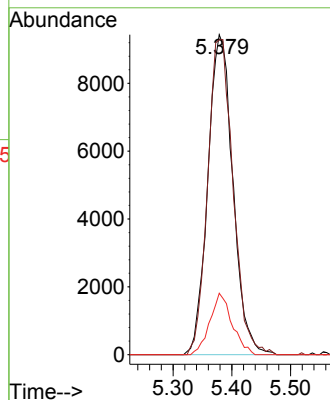
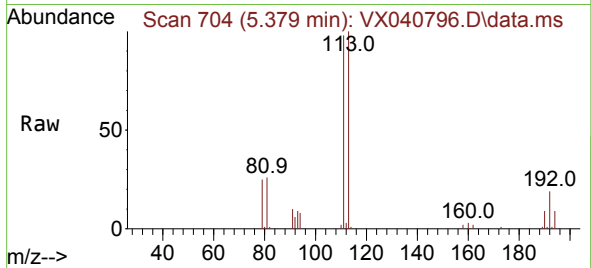




#35
Dibromofluoromethane
Concen: 46.890 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

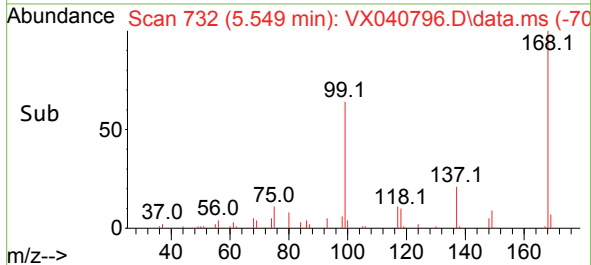
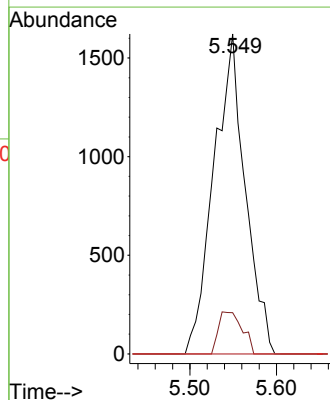
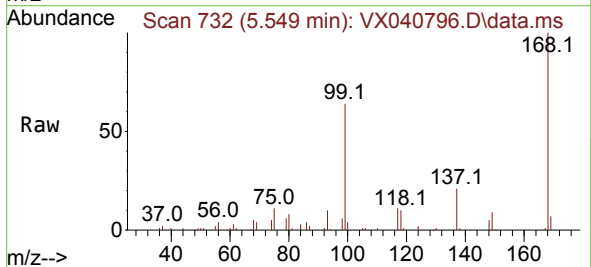
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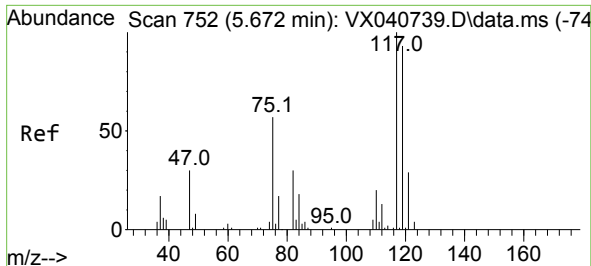
Tgt Ion:113 Resp: 27970
Ion Ratio Lower Upper
113 100
111 99.8 82.9 124.3
192 17.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.645 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

Tgt Ion: 75 Resp: 4080
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#

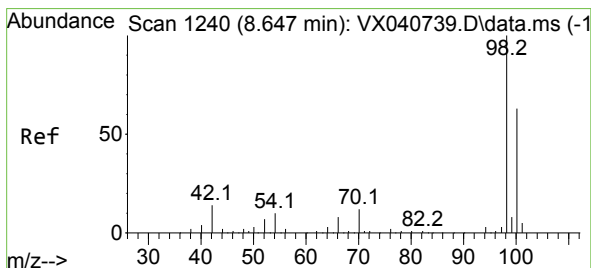
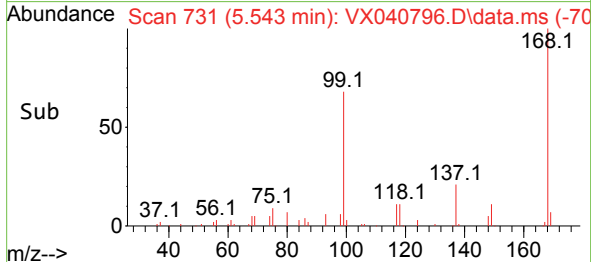
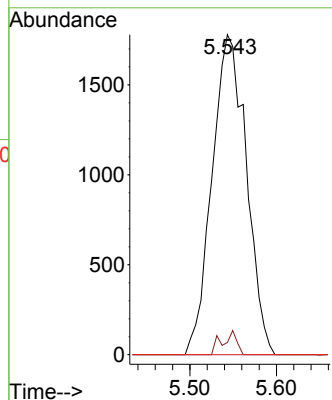
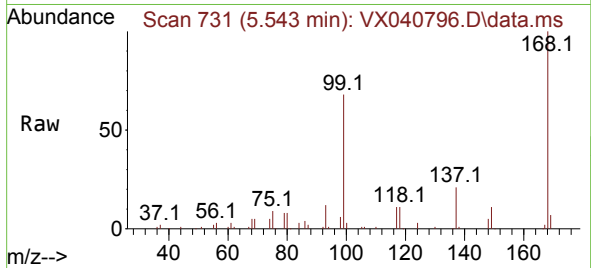




#38
Carbon Tetrachloride
Concen: 4.958 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

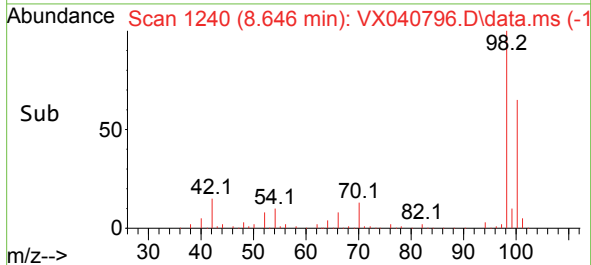
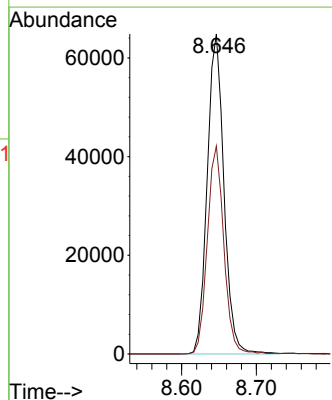
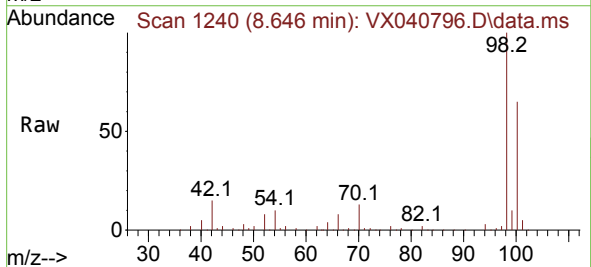
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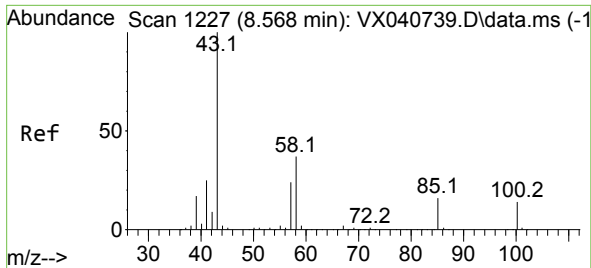
Tgt Ion:117 Resp: 4901
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.333 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

Tgt Ion: 98 Resp: 100761
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7

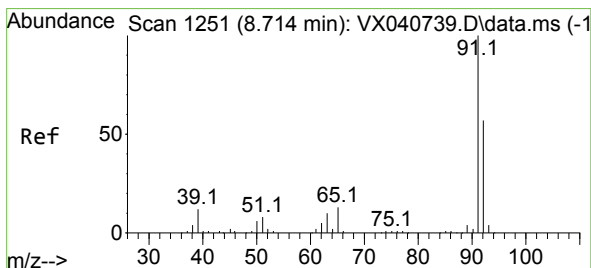
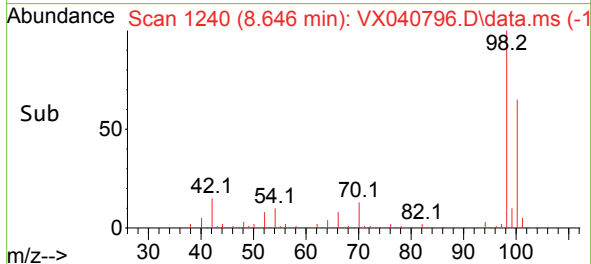
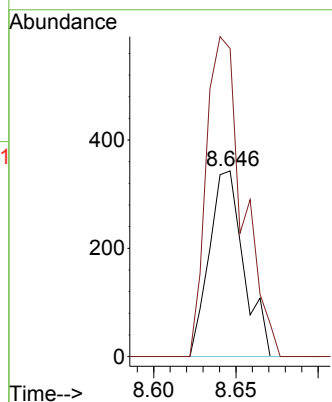
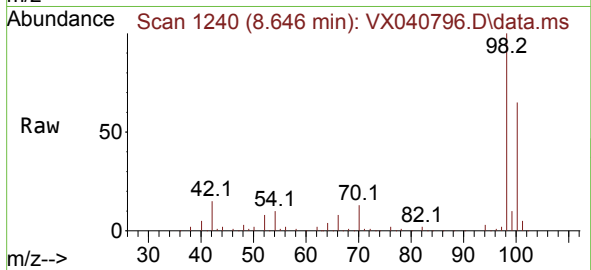




#51
4-Methyl-2-Pentanone
Concen: 0.514 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.079 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

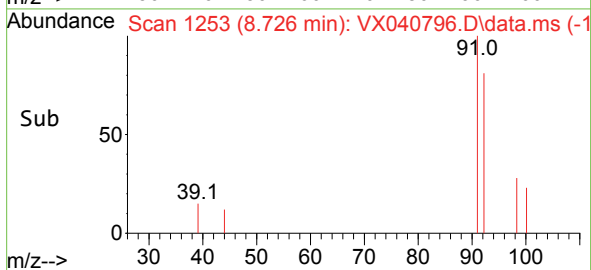
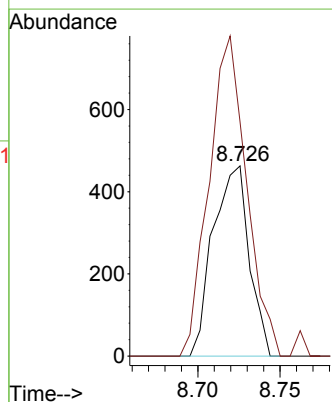
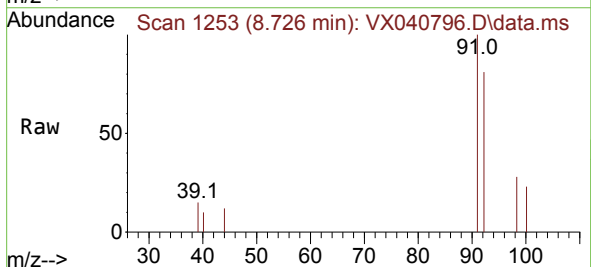
Instrument :
MSVOA_X
ClientSampleId :
B-148-GW01

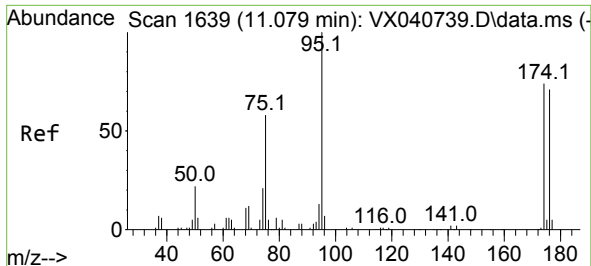
Tgt Ion: 43 Resp: 499
Ion Ratio Lower Upper
43 100
58 183.4 30.4 45.6#



#52
Toluene
Concen: 0.488 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.012 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

Tgt Ion: 92 Resp: 706
Ion Ratio Lower Upper
92 100
91 175.4 134.2 201.2

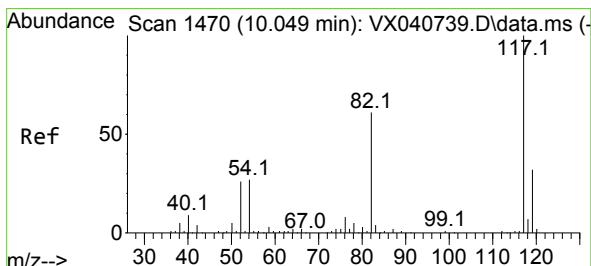
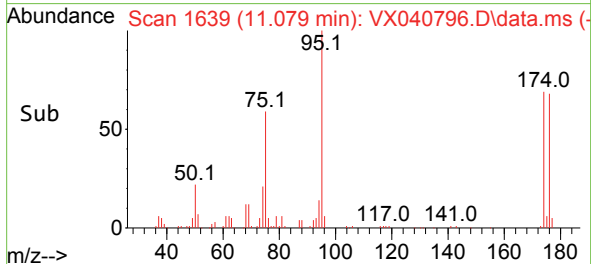
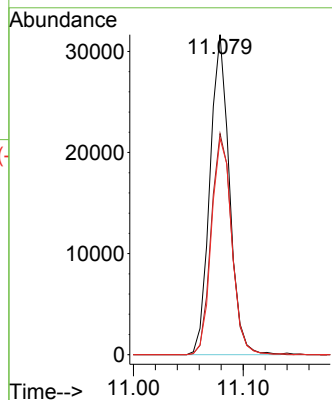
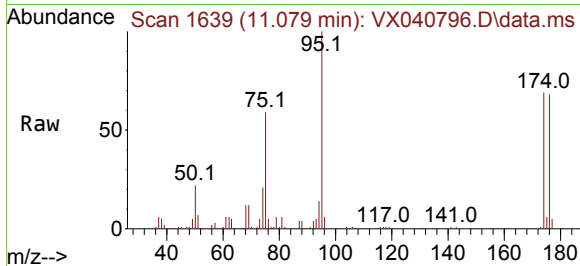




#62
4-Bromofluorobenzene
Concen: 48.330 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

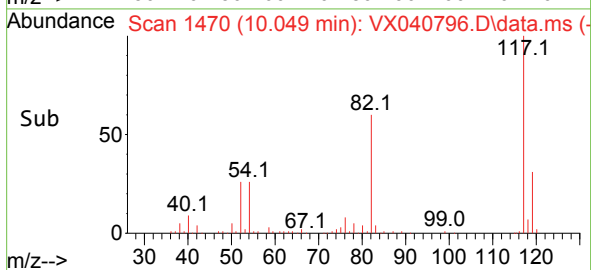
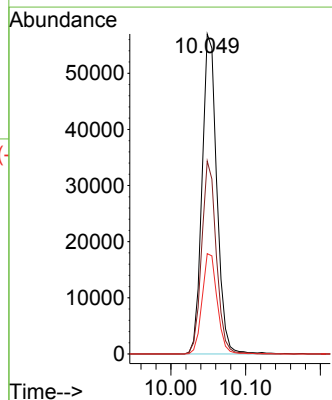
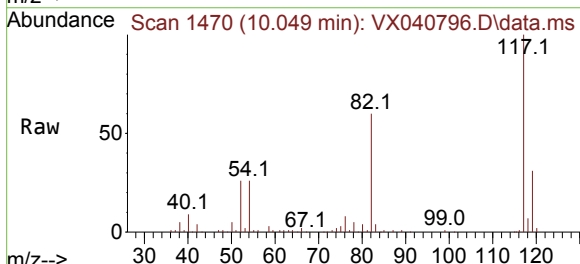
Instrument :
MSVOA_X
ClientSampleId :
B-148-GW01

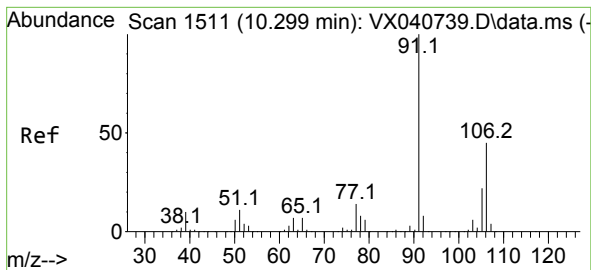
Tgt Ion: 95 Resp: 39000
Ion Ratio Lower Upper
95 100
174 72.6 0.0 135.6
176 70.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

Tgt Ion: 117 Resp: 78150
Ion Ratio Lower Upper
117 100
82 60.3 46.2 69.4
119 31.4 25.5 38.3

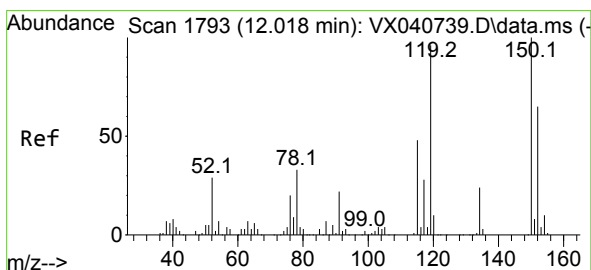
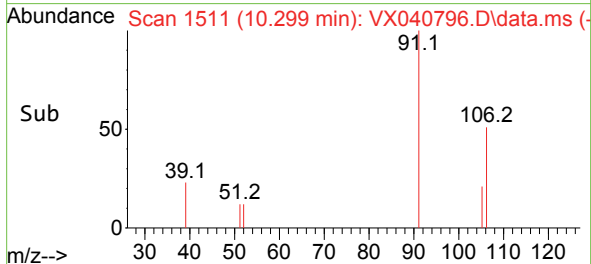
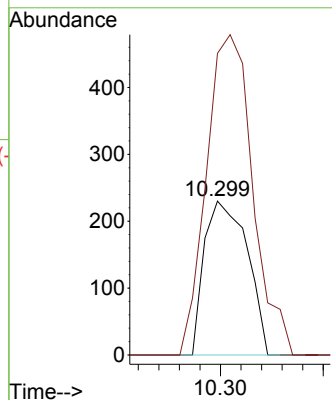
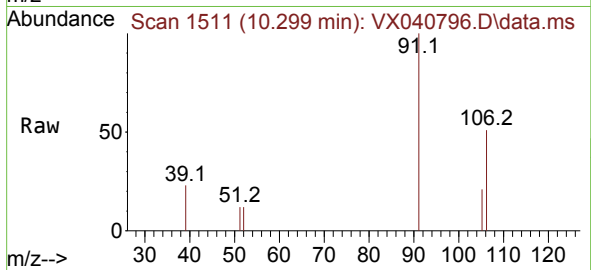




#68
m/p-Xylenes
Concen: 0.287 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

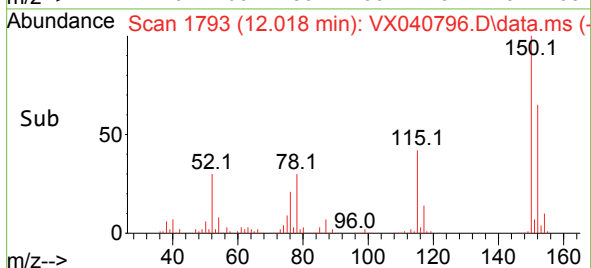
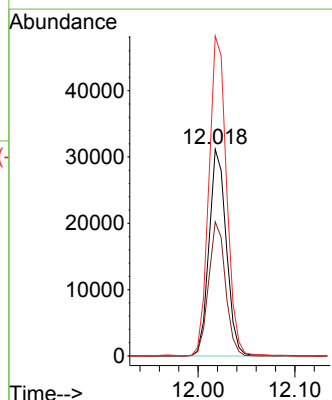
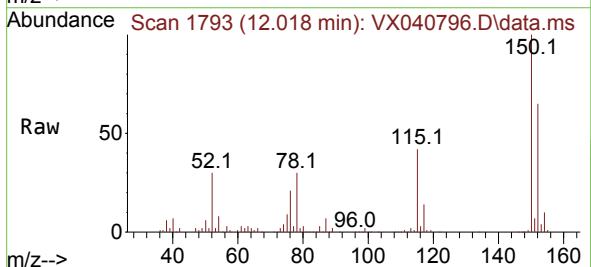
Instrument :
MSVOA_X
ClientSampleId :
B-148-GW01

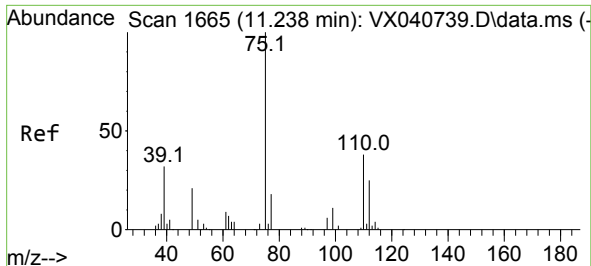
Tgt Ion:106 Resp: 334
Ion Ratio Lower Upper
106 100
91 224.6 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

Tgt Ion:152 Resp: 38713
Ion Ratio Lower Upper
152 100
115 63.4 43.3 129.9
150 158.6 0.0 345.0

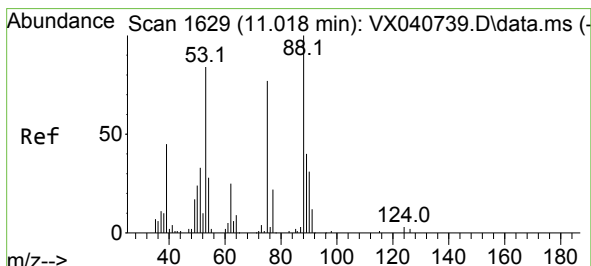
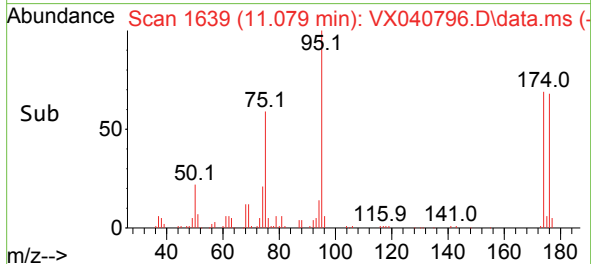
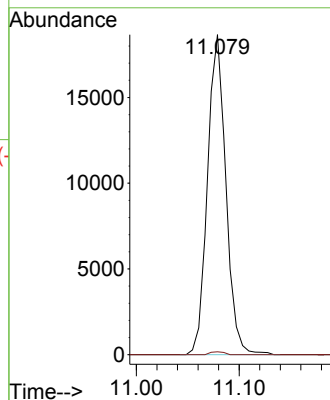
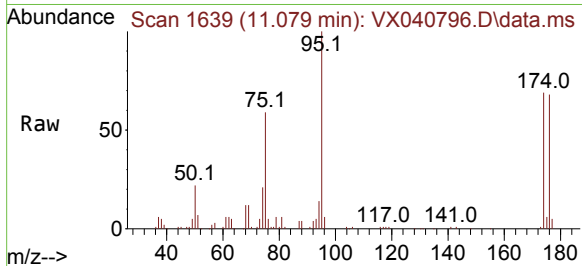




#76
1,2,3-Trichloropropane
Concen: 27.858 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

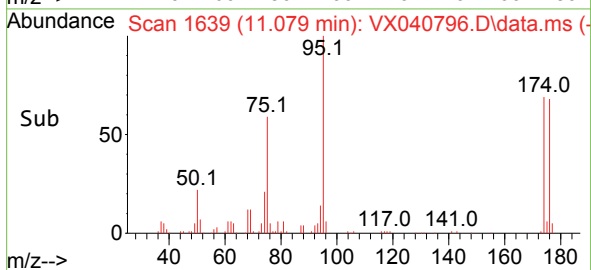
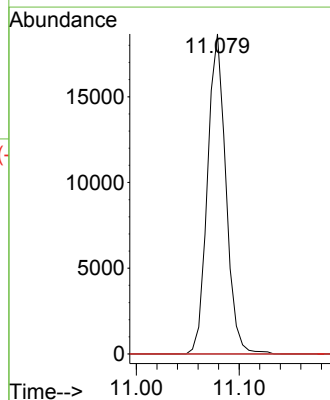
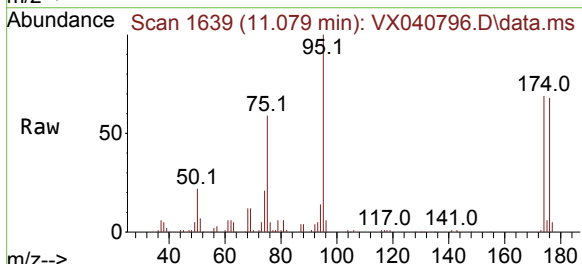
Instrument :
MSVOA_X
ClientSampleId :
B-148-GW01

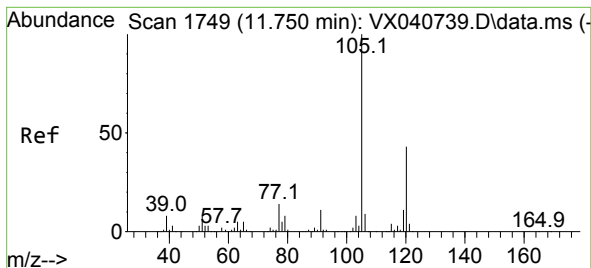
Tgt Ion: 75 Resp: 23195
Ion Ratio Lower Upper
75 100
77 0.7 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.475 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

Tgt Ion: 75 Resp: 23195
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.348 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX040796.D

Acq: 26 Mar 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

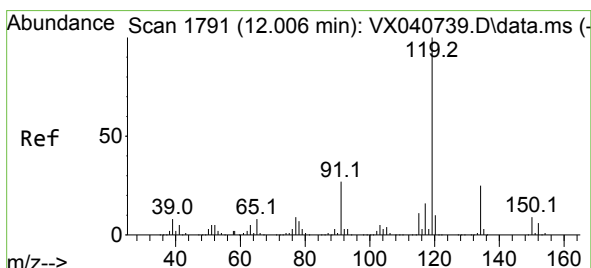
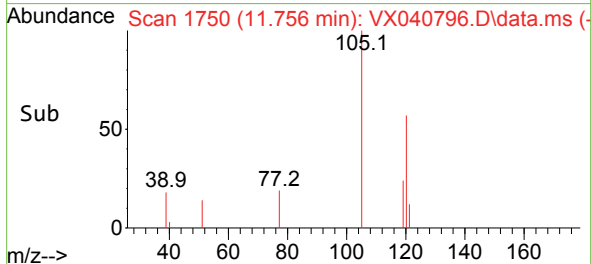
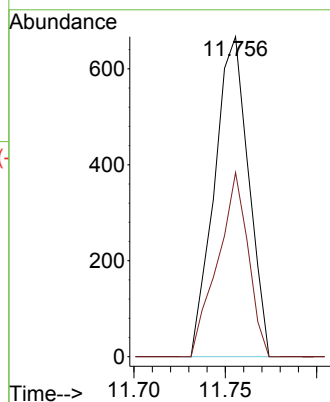
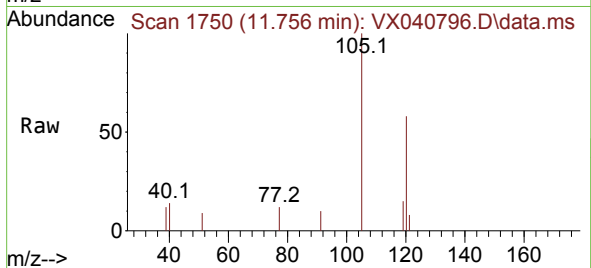
B-148-GW01

Tgt Ion:105 Resp: 863

Ion Ratio Lower Upper

105 100

120 51.6 21.2 63.6



#86

p-Isopropyltoluene

Concen: 0.208 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX040796.D

Acq: 26 Mar 2024 12:04

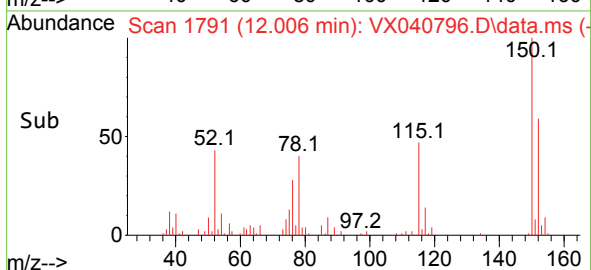
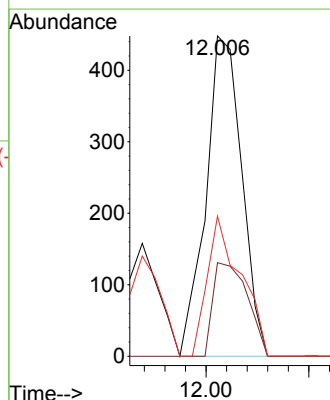
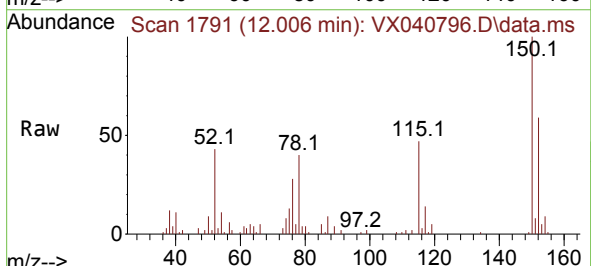
Tgt Ion:119 Resp: 542

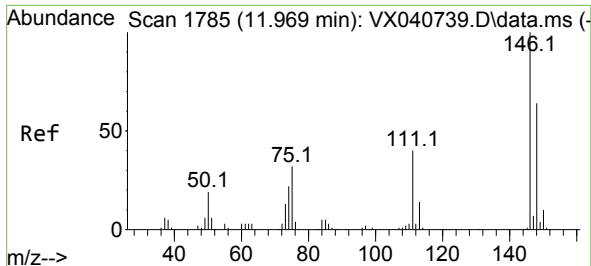
Ion Ratio Lower Upper

119 100

134 28.0 12.8 38.3

91 41.0 13.1 39.3#





#87

1,3-Dichlorobenzene

Concen: 1.275 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX040796.D

Acq: 26 Mar 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

B-148-GW01

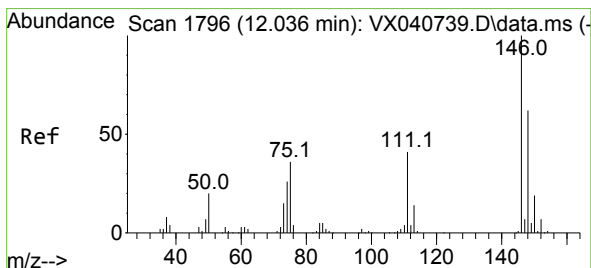
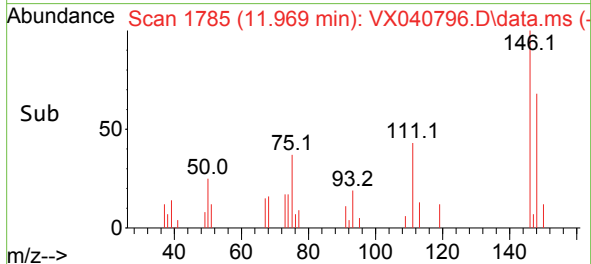
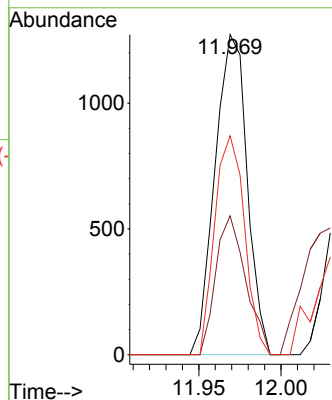
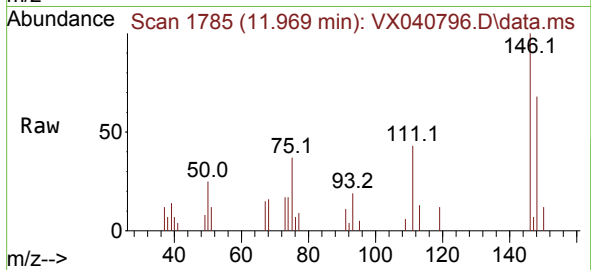
Tgt Ion:146 Resp: 1731

Ion Ratio Lower Upper

146 100

111 40.4 22.1 66.1

148 63.2 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 1.200 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.067 min

Lab File: VX040796.D

Acq: 26 Mar 2024 12:04

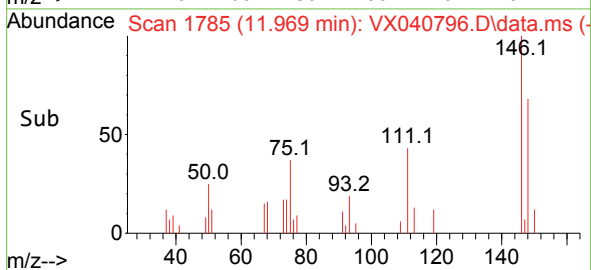
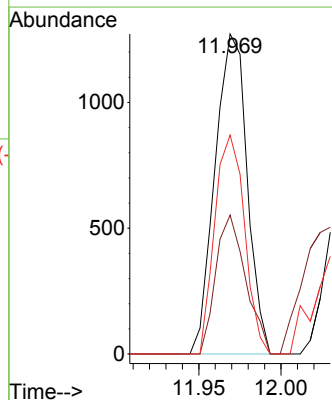
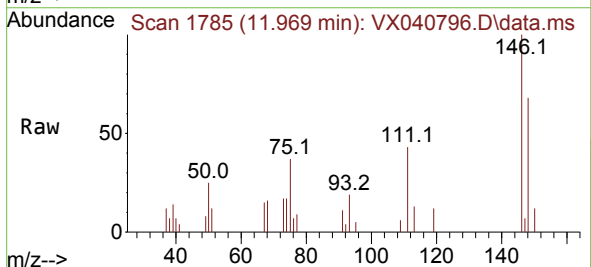
Tgt Ion:146 Resp: 1731

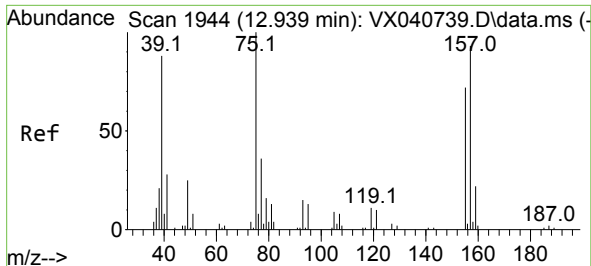
Ion Ratio Lower Upper

146 100

111 40.4 21.3 63.7

148 63.2 31.8 95.4

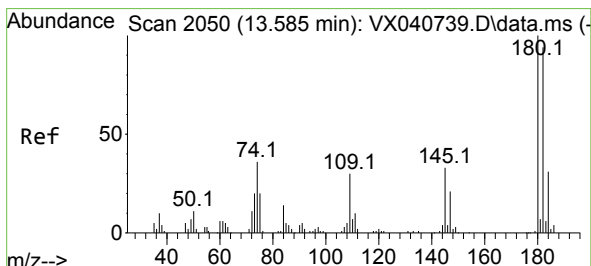
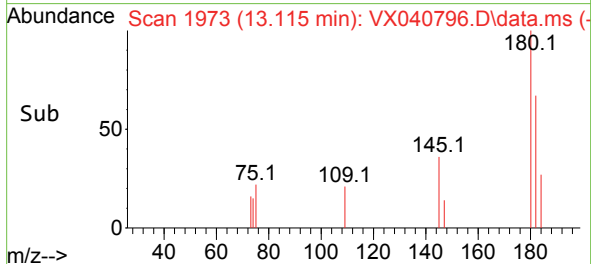
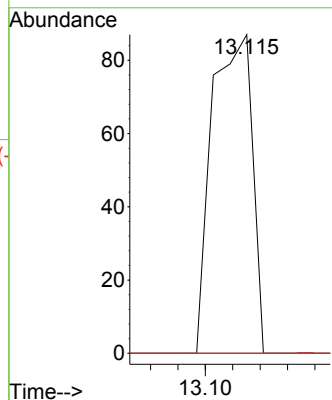
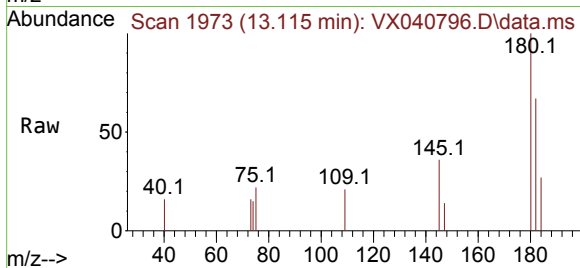




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.358 ug/l
RT: 13.115 min Scan# 1944
Delta R.T. 0.176 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

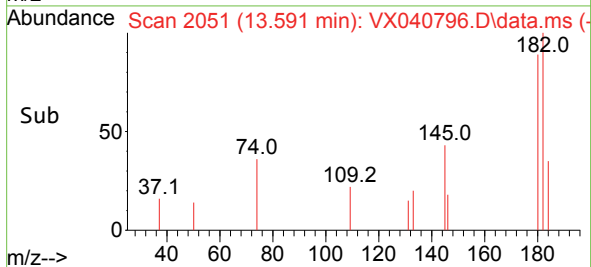
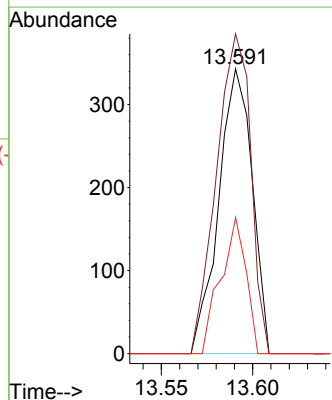
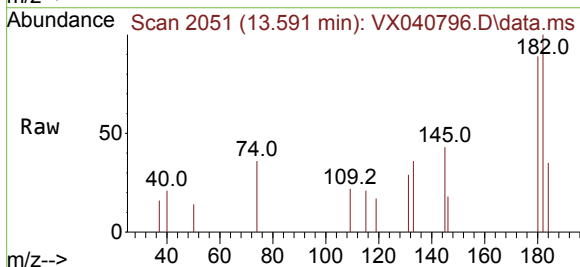
Instrument :
MSVOA_X
ClientSampleId :
B-148-GW01

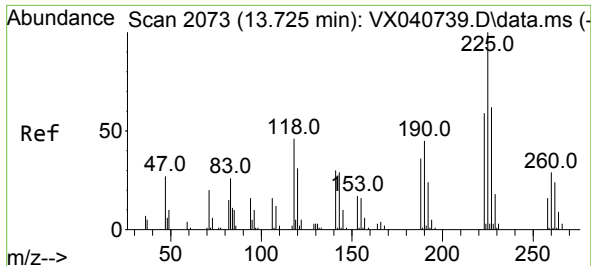
Tgt Ion: 75 Resp: 89
Ion Ratio Lower Upper
75 100
155 0.0 36.1 108.5#
157 0.0 44.9 134.7#



#93
1,2,4-Trichlorobenzene
Concen: 0.462 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

Tgt Ion: 180 Resp: 438
Ion Ratio Lower Upper
180 100
182 115.1 48.3 144.8
145 36.1 18.0 54.0

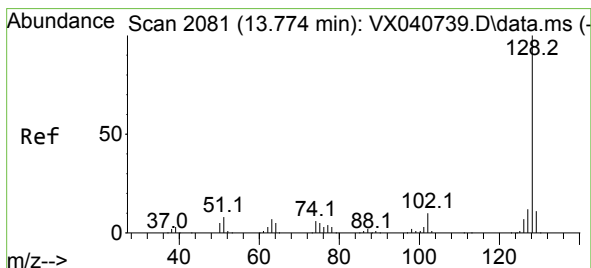
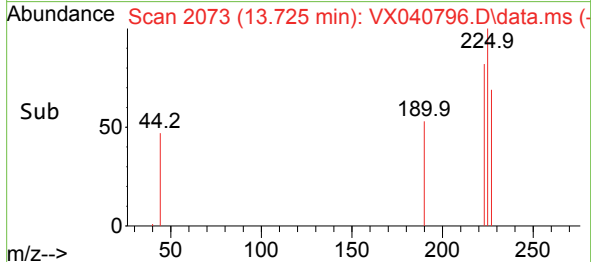
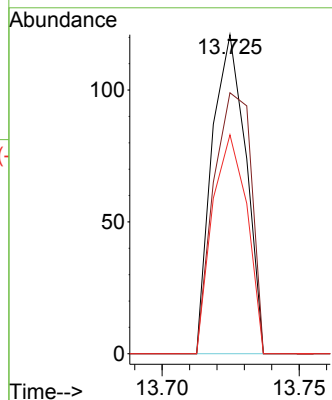
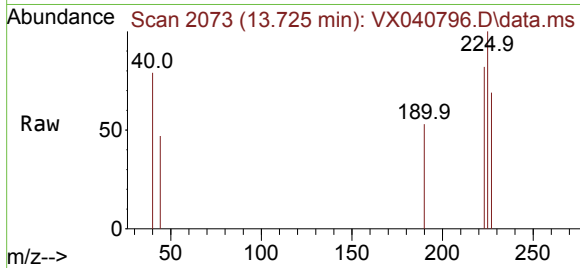




#94
Hexachlorobutadiene
Concen: 0.276 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

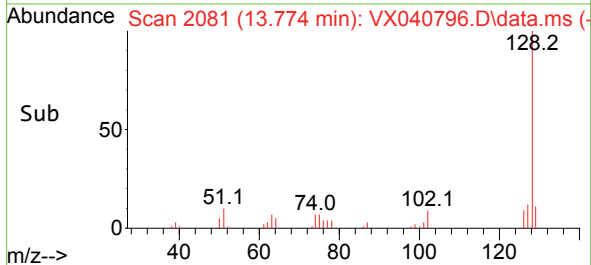
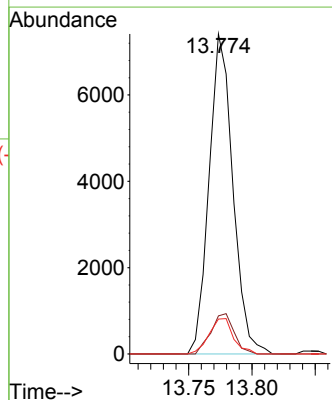
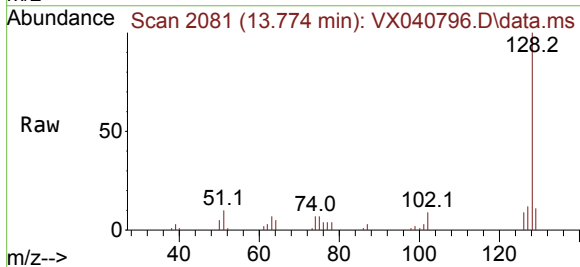
Instrument :
MSVOA_X
ClientSampleId :
B-148-GW01

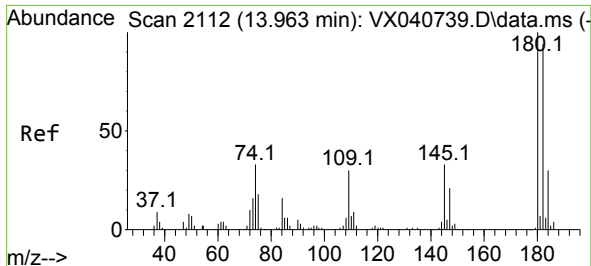
Tgt Ion:	225	Resp:	103
Ion	Ratio	Lower	Upper
225	100		
223	91.3	31.1	93.2
227	70.9	32.5	97.5



#95
Naphthalene
Concen: 3.233 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX040796.D
Acq: 26 Mar 2024 12:04

Tgt Ion:	128	Resp:	9697
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.3	15.5
129	11.4	8.8	13.2





#96

1,2,3-Trichlorobenzene

Concen: 0.205 ug/l

RT: 13.969 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX040796.D

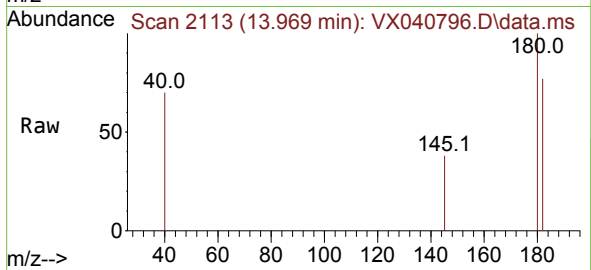
Acq: 26 Mar 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

B-148-GW01



Tgt Ion:180 Resp: 191

Ion Ratio Lower Upper

180 100

182 88.0 46.9 140.6

145 28.8 17.8 53.5

