

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011924\
 Data File : VX039836.D
 Acq On : 19 Jan 2024 14:06
 Operator : JC/MD
 Sample : P1185-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SUMOGW-7-37-40

Quant Time: Jan 20 00:25:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

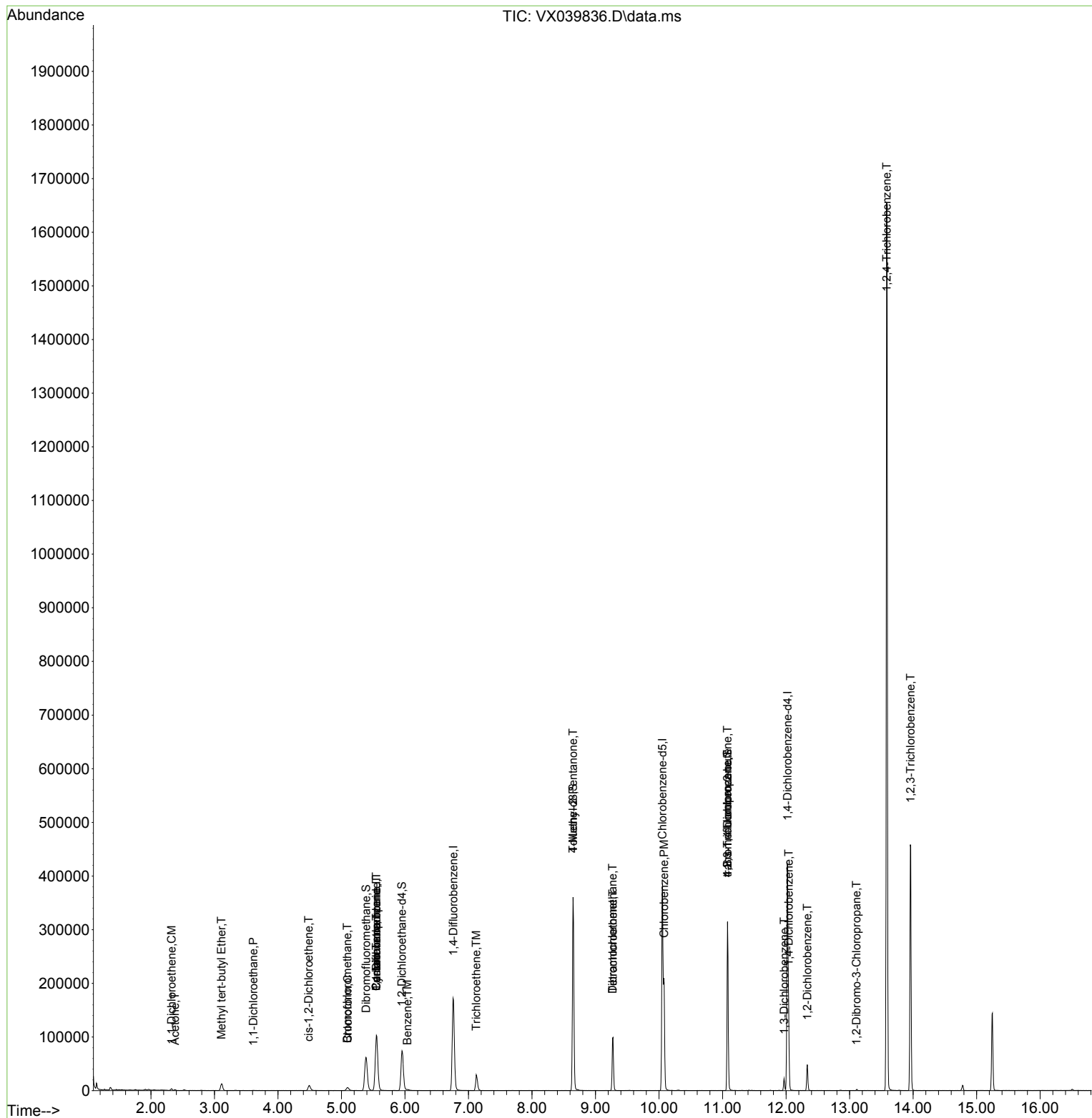
Internal Standards						
1) Pentafluorobenzene	5.549	168	91194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	170025	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	160584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72014	47.141	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.280%
35) Dibromofluoromethane	5.385	113	55483	48.449	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.900%
50) Toluene-d8	8.646	98	206981	47.922	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.840%
62) 4-Bromofluorobenzene	11.079	95	80598	47.719	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.440%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.324	96	1116	1.017	ug/l #	69
16) Acetone	2.379	43	1556	1.811	ug/l	90
19) Methyl tert-butyl Ether	3.111	73	13532	3.473	ug/l	98
24) 1,1-Dichloroethane	3.611	63	527	0.232	ug/l #	83
27) cis-1,2-Dichloroethene	4.483	96	5725	4.321	ug/l	90
28) Bromochloromethane	5.092	49	478	0.465	ug/l #	16
30) Chloroform	5.098	83	6370	2.845	ug/l	86
31) Cyclohexane	5.549	56	2637	1.308	ug/l #	8
36) 1,1-Dichloropropene	5.549	75	8469	4.751	ug/l #	49
38) Carbon Tetrachloride	5.549	117	10058	6.161	ug/l #	16
40) Benzene	6.037	78	1862	0.369	ug/l	92
44) Trichloroethene	7.122	130	9955	8.047	ug/l	85
51) 4-Methyl-2-Pentanone	8.646	43	1147	0.477	ug/l #	1
60) Dibromochloromethane	9.268	129	17937	14.818	ug/l #	11
64) Tetrachloroethene	9.274	164	17046	16.323	ug/l	99
65) Chlorobenzene	10.079	112	83259	24.894	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	45090	21.669	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	45090	62.989	ug/l #	5
87) 1,3-Dichlorobenzene	11.969	146	6217	2.279	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	39733	14.105	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	14171	5.256	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	13.109	75	145	0.242	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.585	180	346234	210.123	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	100065	60.171	ug/l	99

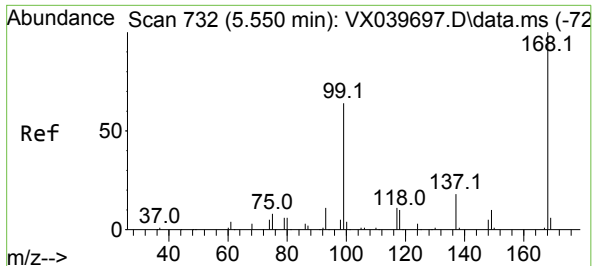
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011924\
Data File : VX039836.D
Acq On : 19 Jan 2024 14:06
Operator : JC/MD
Sample : P1185-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SUMOGW-7-37-40

Quant Time: Jan 20 00:25:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 03:51:26 2024
Response via : Initial Calibration

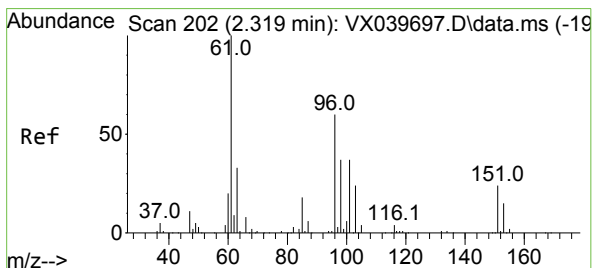
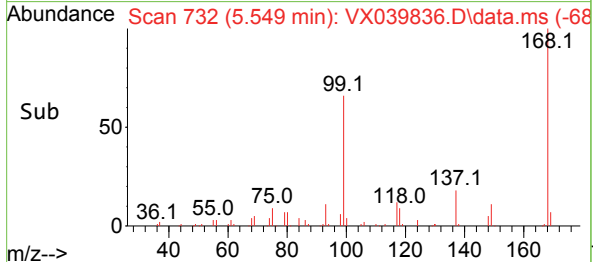
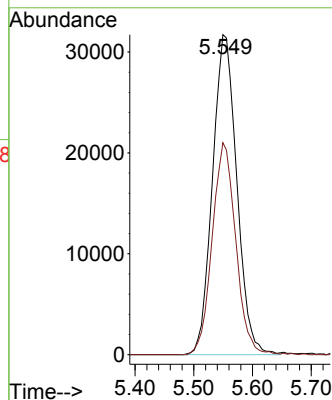
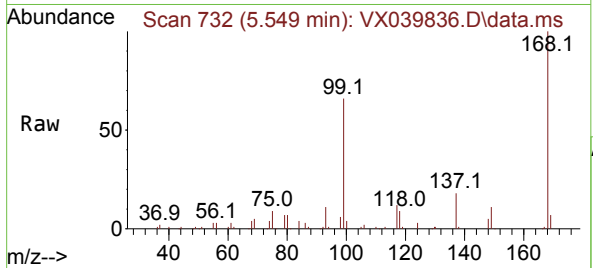




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX039836.D
Acq: 19 Jan 2024 14:06

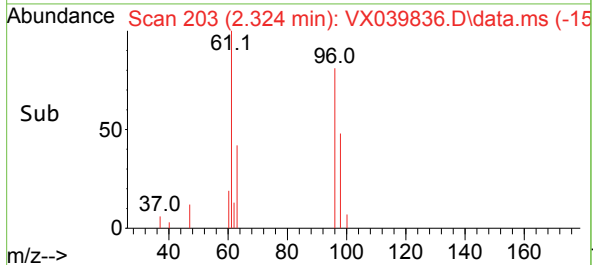
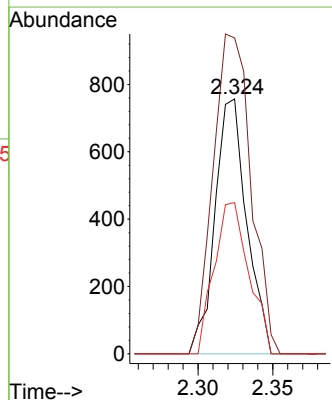
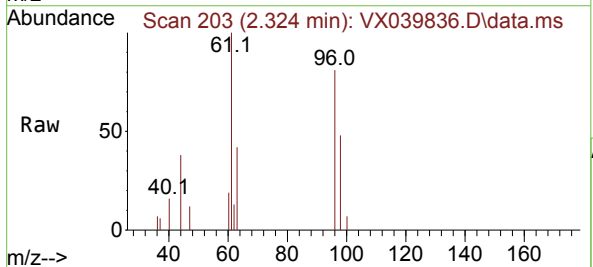
Instrument :
MSVOA_X
ClientSampleId :
SUMOGW-7-37-40

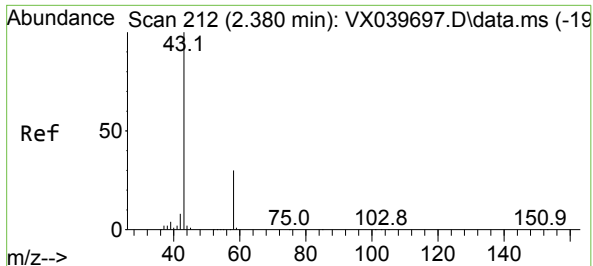
Tgt Ion:168 Resp: 91194
Ion Ratio Lower Upper
168 100
99 66.3 56.6 85.0



#12
1,1-Dichloroethene
Concen: 1.017 ug/l
RT: 2.324 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX039836.D
Acq: 19 Jan 2024 14:06

Tgt Ion: 96 Resp: 1116
Ion Ratio Lower Upper
96 100
61 123.9 144.6 216.8#
98 59.3 50.4 75.6





#16

Acetone

Concen: 1.811 ug/l

RT: 2.379 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX039836.D

Acq: 19 Jan 2024 14:06

Instrument :

MSVOA_X

ClientSampleId :

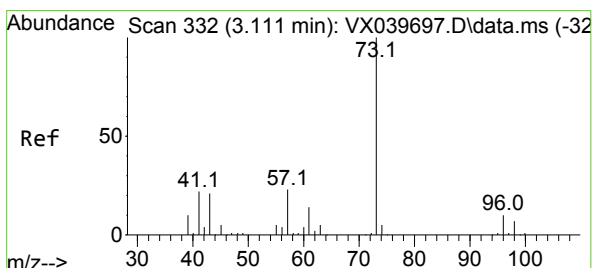
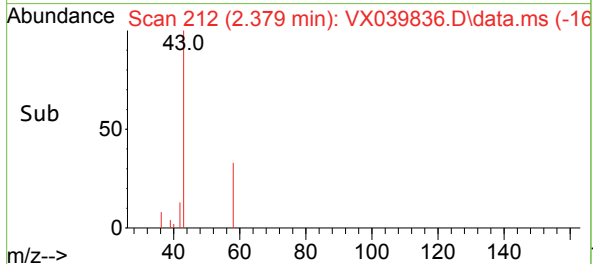
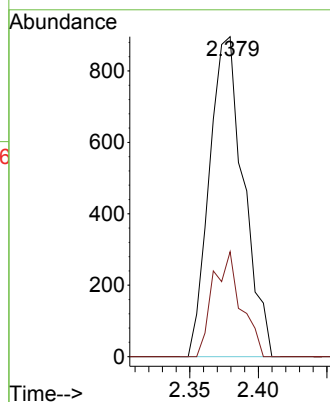
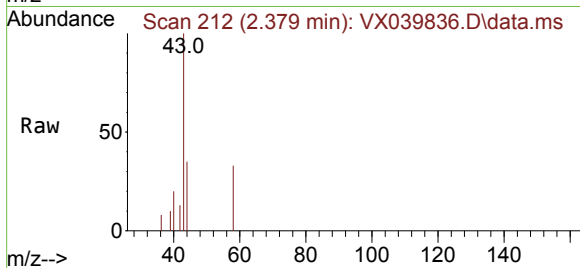
SUMOGW-7-37-40

Tgt Ion: 43 Resp: 1556

Ion Ratio Lower Upper

43 100

58 32.8 21.9 32.9



#19

Methyl tert-butyl Ether

Concen: 3.473 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX039836.D

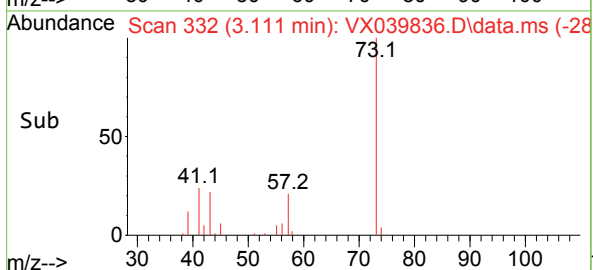
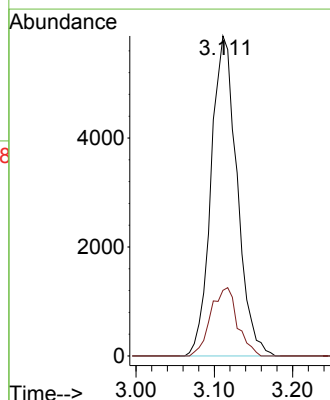
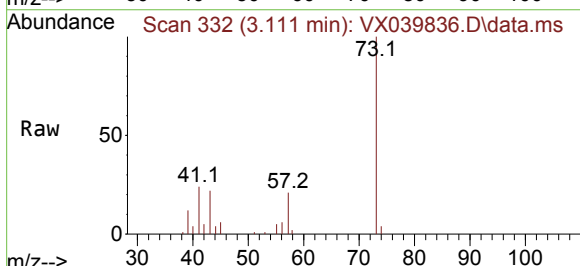
Acq: 19 Jan 2024 14:06

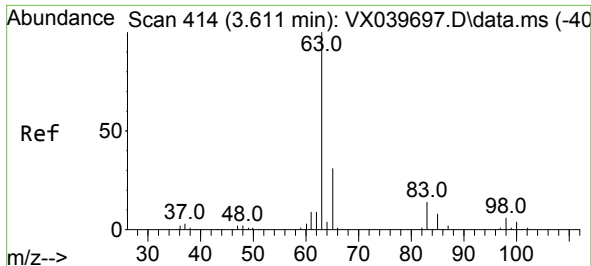
Tgt Ion: 73 Resp: 13532

Ion Ratio Lower Upper

73 100

57 20.5 17.3 25.9

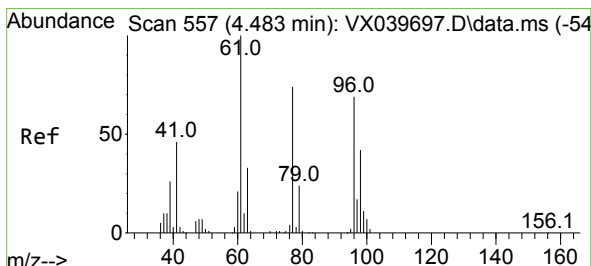
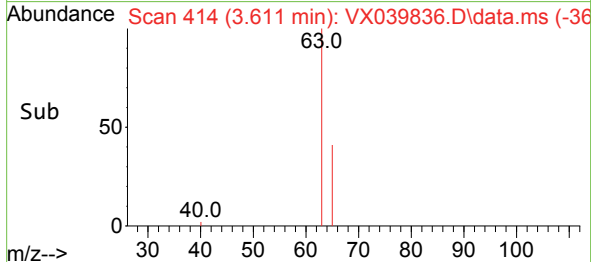
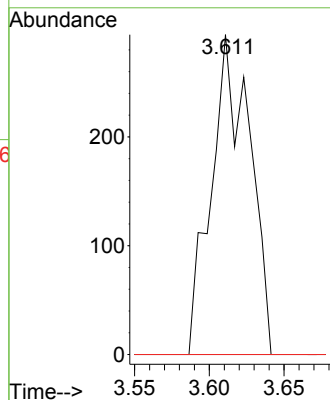
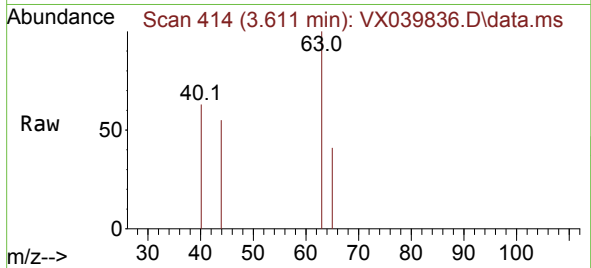




#24
1,1-Dichloroethane
Concen: 0.232 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX039836.D
Acq: 19 Jan 2024 14:06

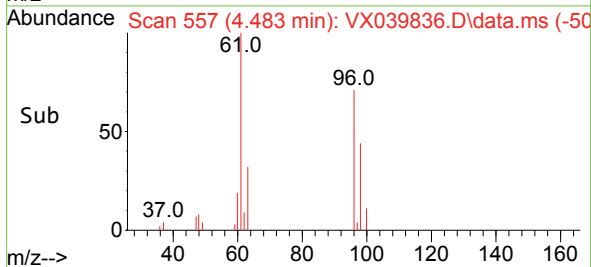
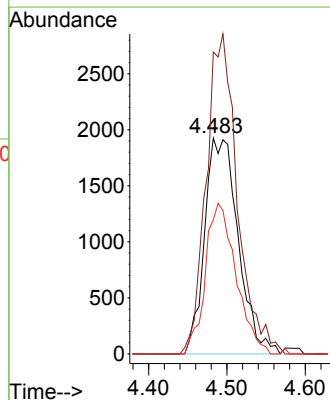
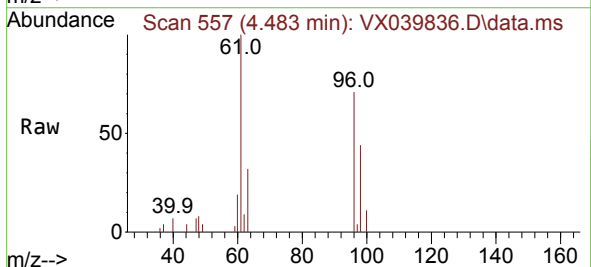
Instrument :
MSVOA_X
ClientSampleId :
SUMOGW-7-37-40

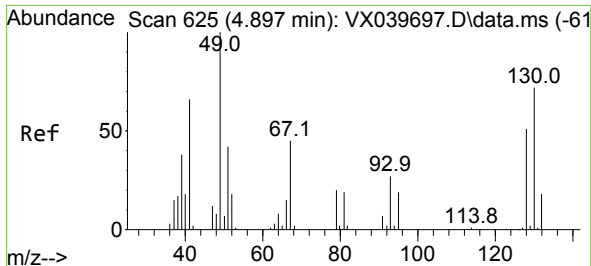
Tgt Ion: 63 Resp: 527
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 4.321 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX039836.D
Acq: 19 Jan 2024 14:06

Tgt Ion: 96 Resp: 5725
Ion Ratio Lower Upper
96 100
61 137.7 0.0 312.2
98 63.8 0.0 129.0

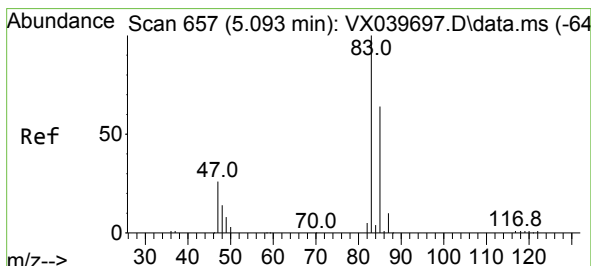
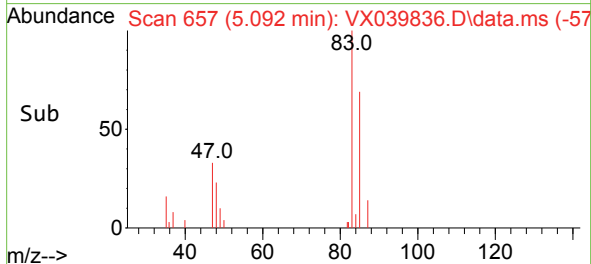
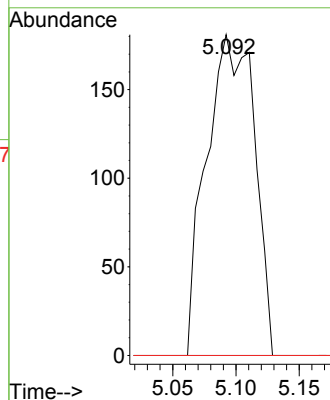
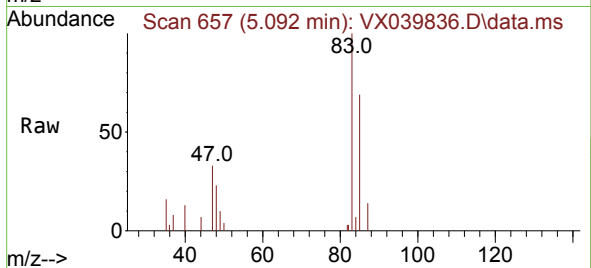




#28
Bromochloromethane
Concen: 0.465 ug/l
RT: 5.092 min Scan# 61
Delta R.T. 0.195 min
Lab File: VX039836.D
Acq: 19 Jan 2024 14:06

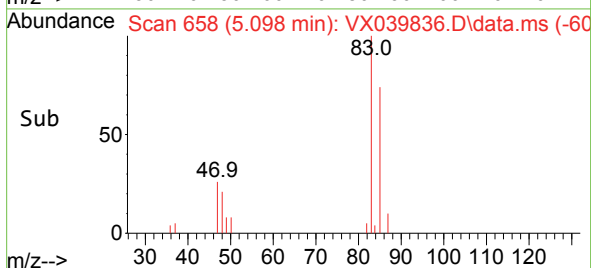
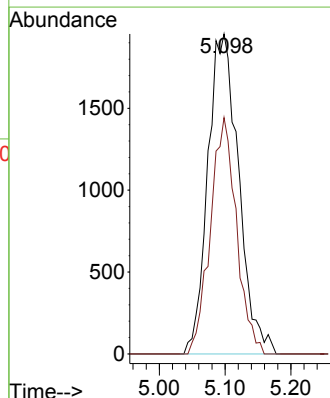
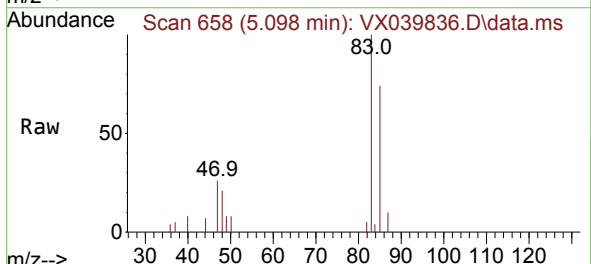
Instrument :
MSVOA_X
ClientSampleId :
SUMOGW-7-37-40

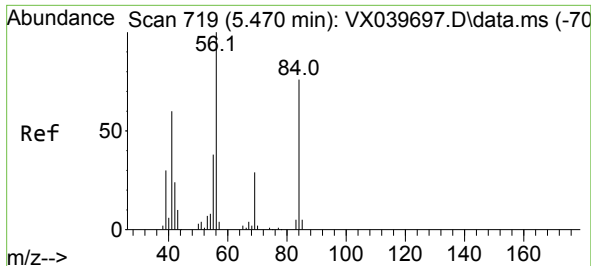
Tgt Ion: 49 Resp: 478
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#



#30
Chloroform
Concen: 2.845 ug/l
RT: 5.098 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX039836.D
Acq: 19 Jan 2024 14:06

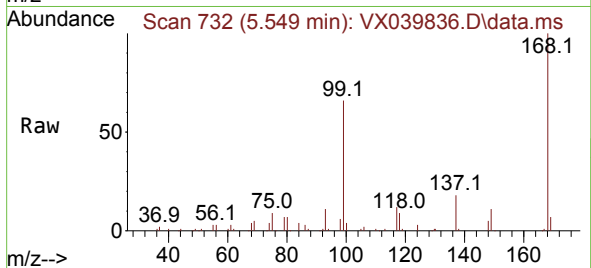
Tgt Ion: 83 Resp: 6370
Ion Ratio Lower Upper
83 100
85 73.8 50.3 75.5



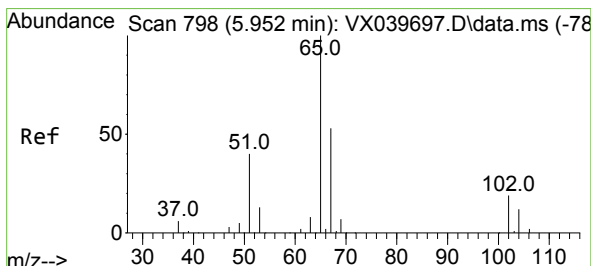
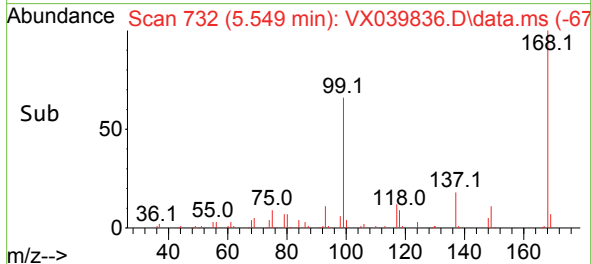
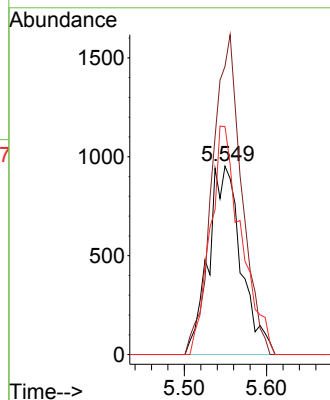


#31
Cyclohexane
Concen: 1.308 ug/l
RT: 5.549 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX039836.D
Acq: 19 Jan 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :
SUMOGW-7-37-40

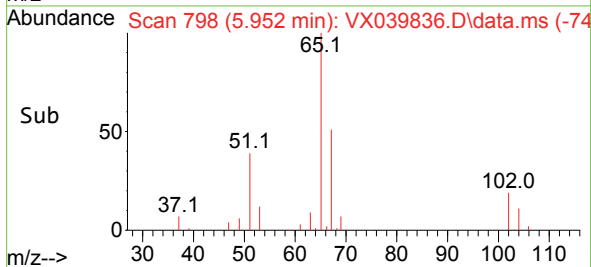
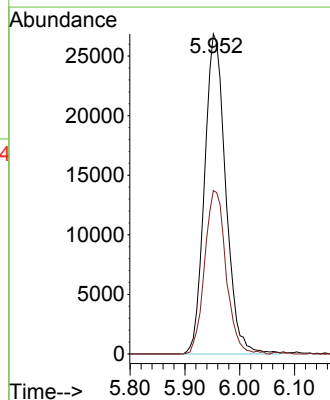
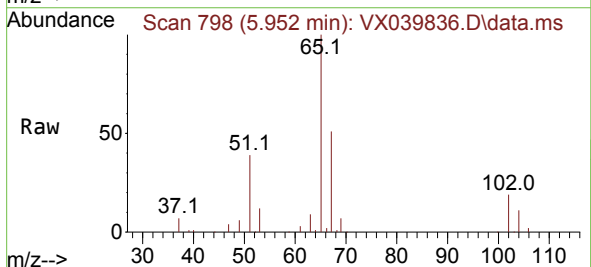


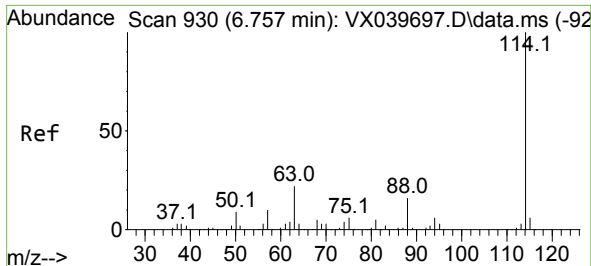
Tgt Ion: 56 Resp: 2637
Ion Ratio Lower Upper
56 100
69 153.0 23.4 35.2#
84 121.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.141 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX039836.D
Acq: 19 Jan 2024 14:06

Tgt Ion: 65 Resp: 72014
Ion Ratio Lower Upper
65 100
67 51.5 0.0 100.2

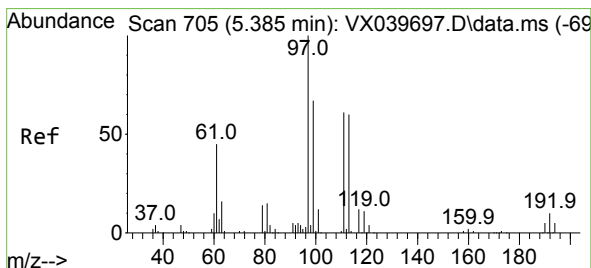
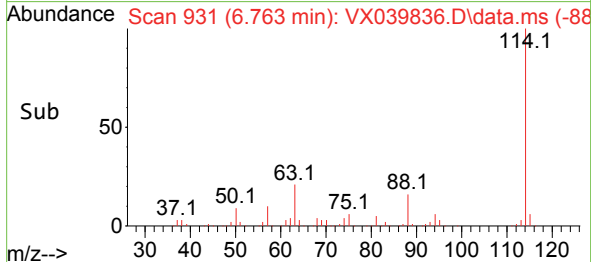
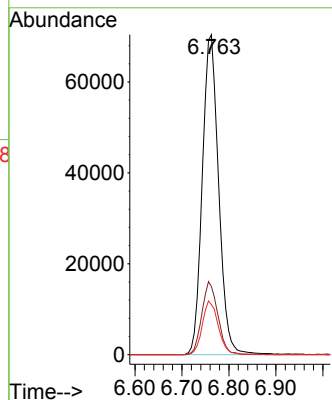
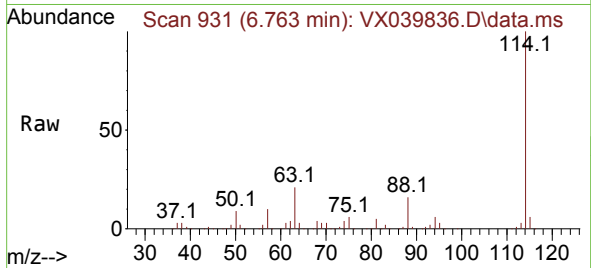




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX039836.D
Acq: 19 Jan 2024 14:06

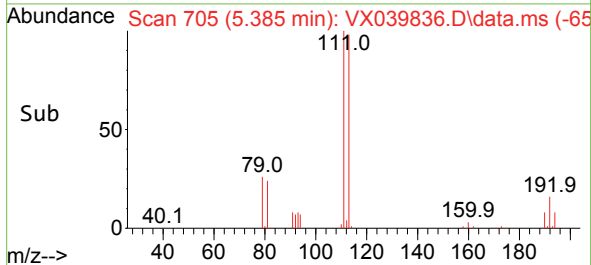
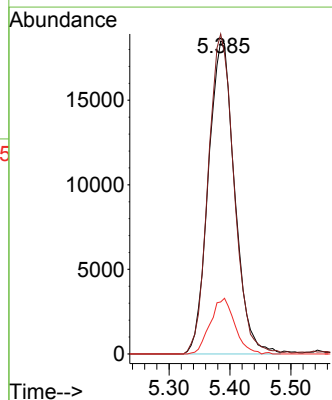
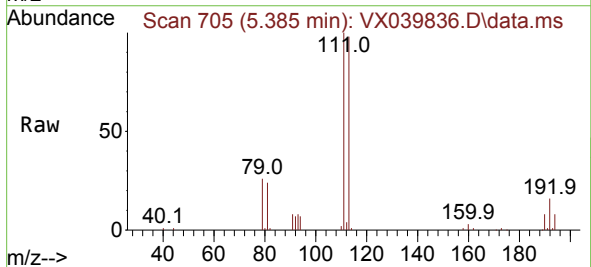
Instrument :
MSVOA_X
ClientSampleId :
SUMOGW-7-37-40

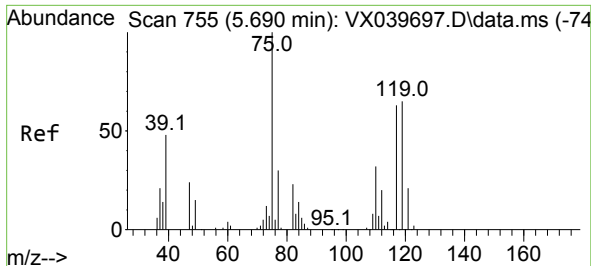
Tgt Ion:114 Resp: 170025
Ion Ratio Lower Upper
114 100
63 21.3 0.0 45.0
88 15.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.449 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX039836.D
Acq: 19 Jan 2024 14:06

Tgt Ion:113 Resp: 55483
Ion Ratio Lower Upper
113 100
111 100.7 82.9 124.3
192 16.6 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.751 ug/l

RT: 5.549 min Scan# 71

Delta R.T. -0.141 min

Lab File: VX039836.D

Acq: 19 Jan 2024 14:06

Instrument :

MSVOA_X

ClientSampleId :

SUMOGW-7-37-40

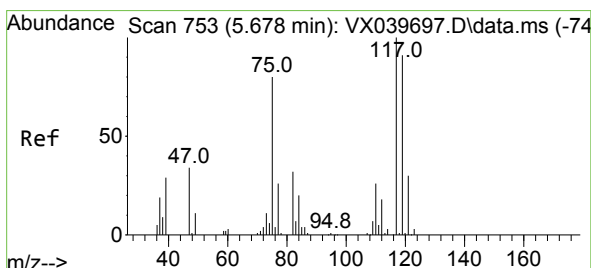
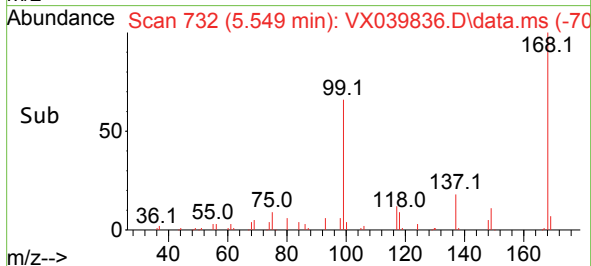
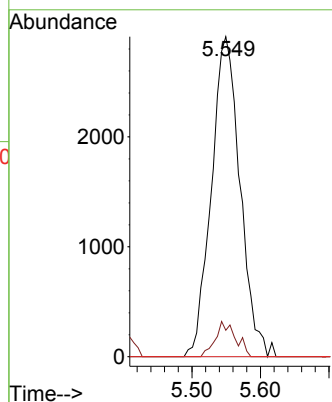
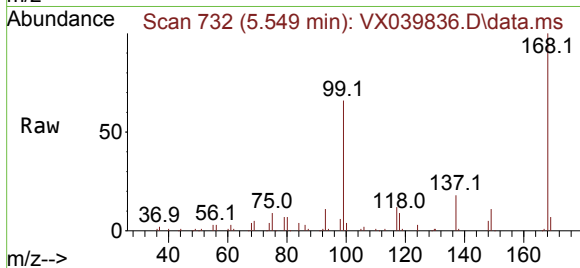
Tgt Ion: 75 Resp: 8469

Ion Ratio Lower Upper

75 100

110 7.8 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.161 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX039836.D

Acq: 19 Jan 2024 14:06

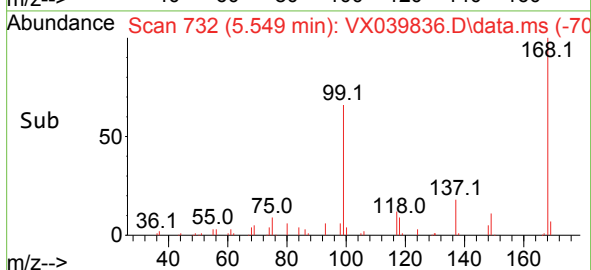
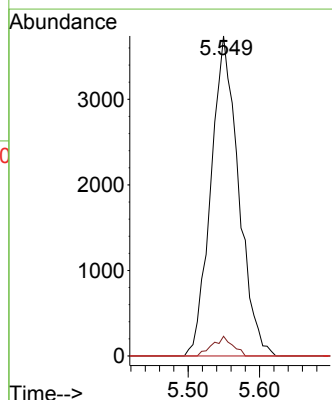
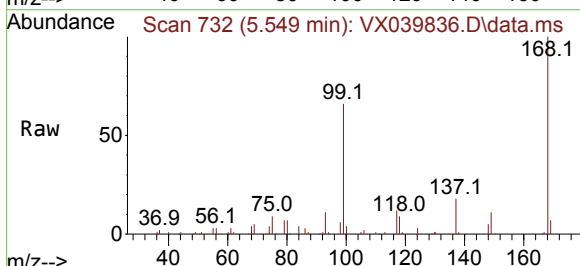
Tgt Ion: 117 Resp: 10058

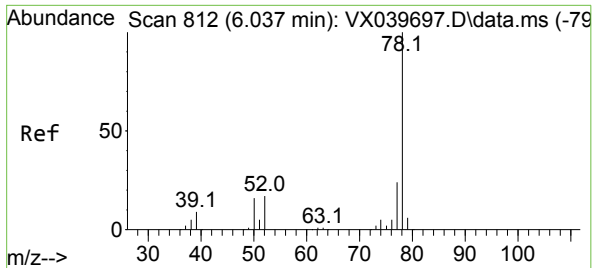
Ion Ratio Lower Upper

117 100

119 6.2 78.2 117.2#

121 0.0 24.4 36.6#





#40

Benzene

Concen: 0.369 ug/l

RT: 6.037 min Scan# 812

Delta R.T. -0.000 min

Lab File: VX039836.D

Acq: 19 Jan 2024 14:06

Instrument :

MSVOA_X

ClientSampleId :

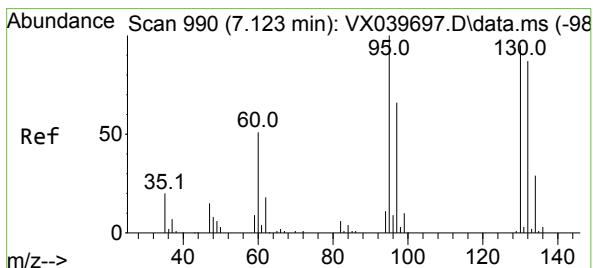
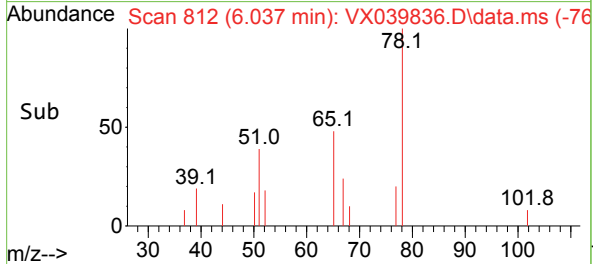
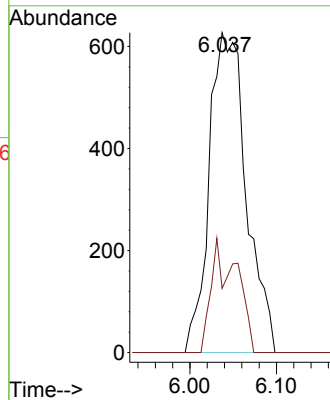
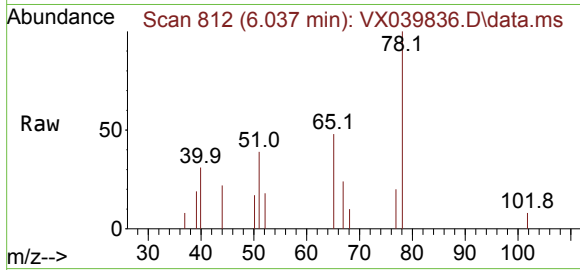
SUMOGW-7-37-40

Tgt Ion: 78 Resp: 1862

Ion Ratio Lower Upper

78 100

77 20.1 19.3 28.9



#44

Trichloroethene

Concen: 8.047 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX039836.D

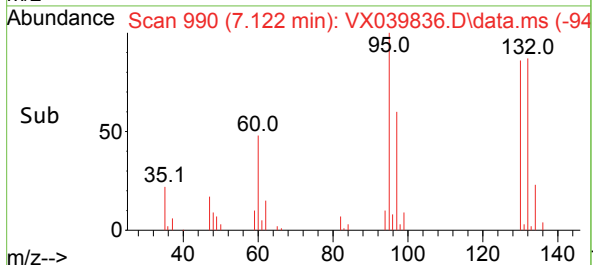
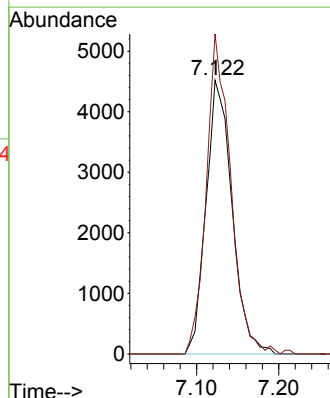
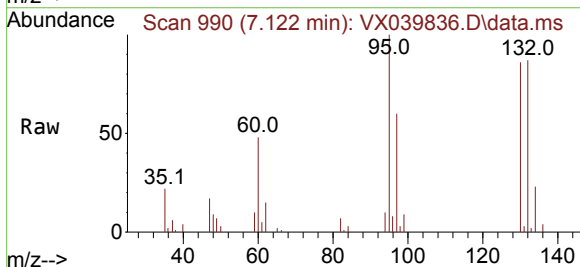
Acq: 19 Jan 2024 14:06

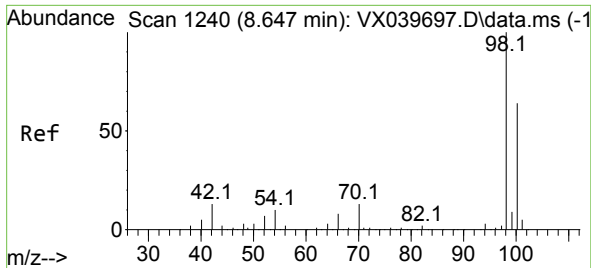
Tgt Ion:130 Resp: 9955

Ion Ratio Lower Upper

130 100

95 116.9 0.0 204.4

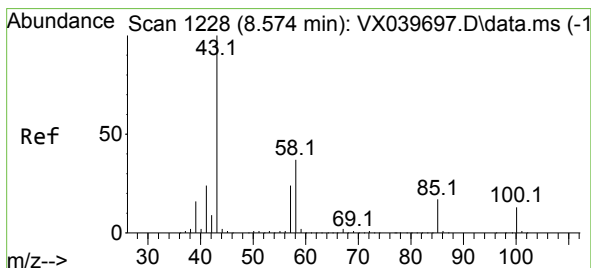
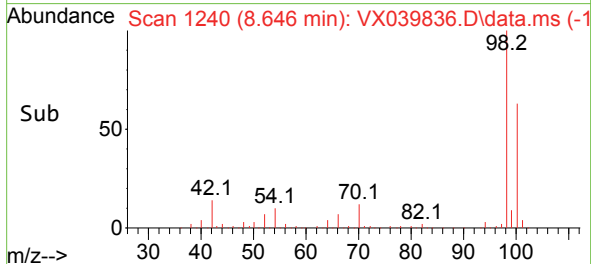
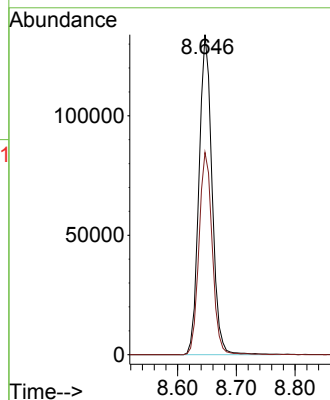
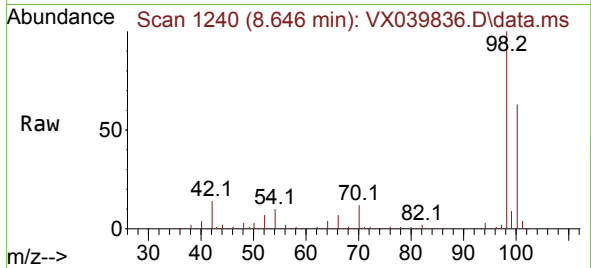




#50
Toluene-d8
Concen: 47.922 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX039836.D
Acq: 19 Jan 2024 14:06

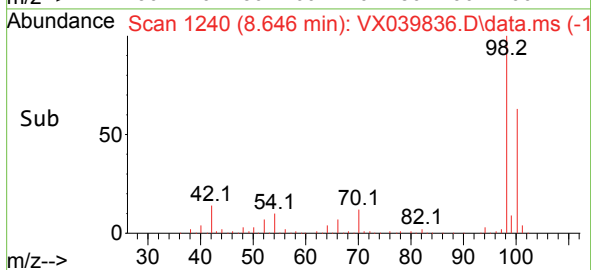
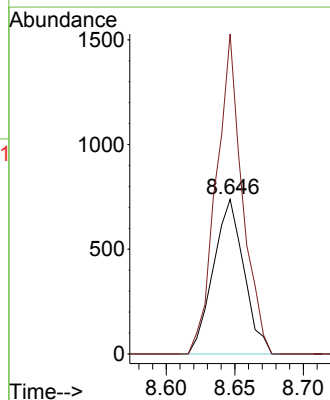
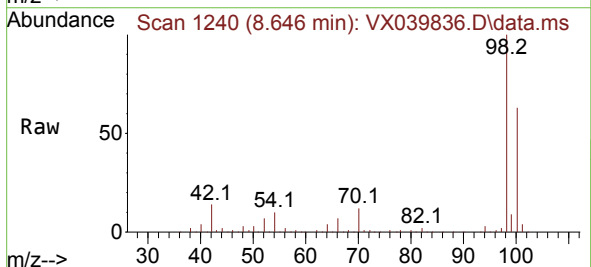
Instrument :
MSVOA_X
ClientSampleId :
SUMOGW-7-37-40

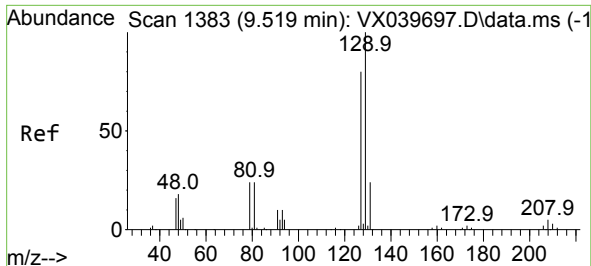
Tgt Ion: 98 Resp: 206981
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.477 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX039836.D
Acq: 19 Jan 2024 14:06

Tgt Ion: 43 Resp: 1147
Ion Ratio Lower Upper
43 100
58 177.1 30.4 45.6#

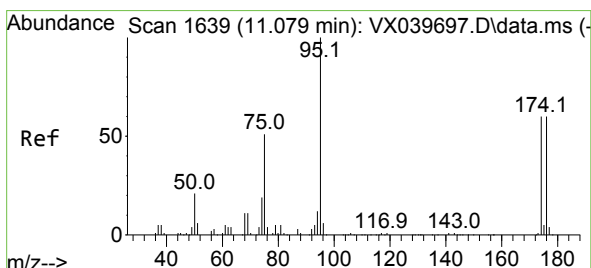
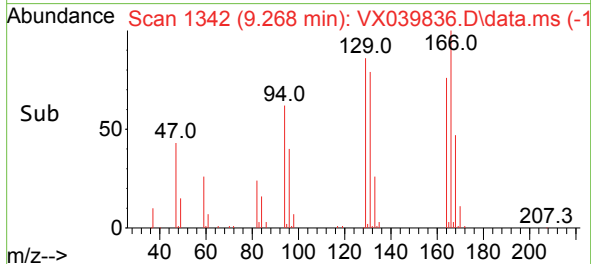
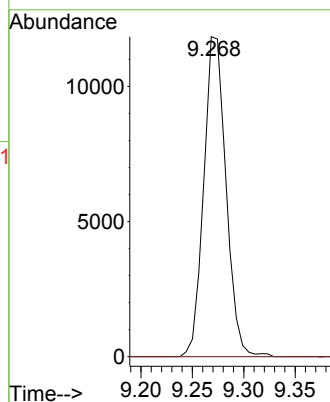
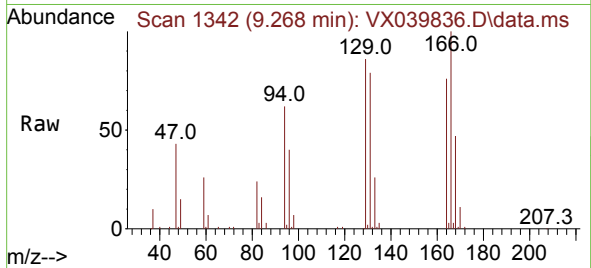




#60
Dibromochloromethane
Concen: 14.818 ug/l
RT: 9.268 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX039836.D
Acq: 19 Jan 2024 14:06

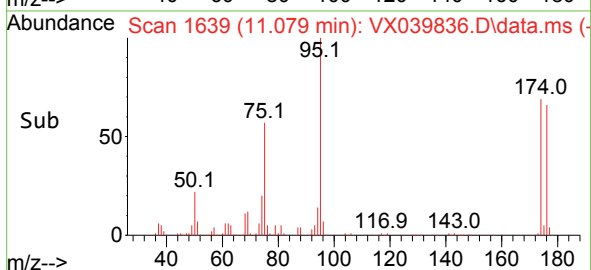
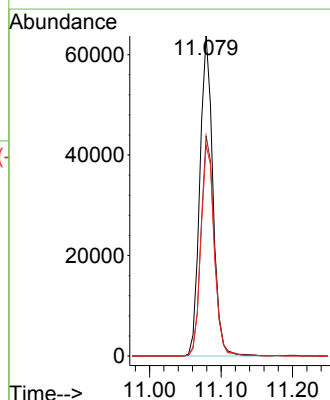
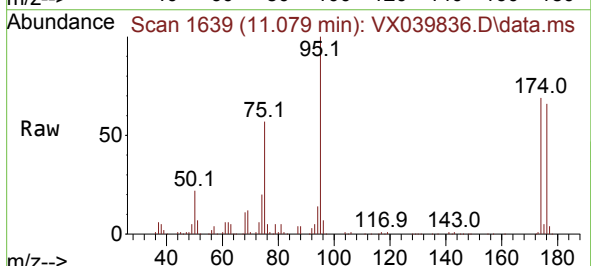
Instrument :
MSVOA_X
ClientSampleId :
SUMOGW-7-37-40

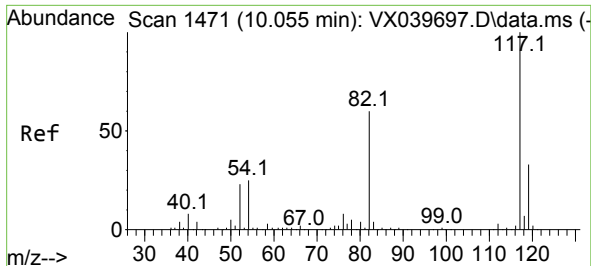
Tgt Ion:129 Resp: 17937
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 47.719 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039836.D
Acq: 19 Jan 2024 14:06

Tgt Ion: 95 Resp: 80598
Ion Ratio Lower Upper
95 100
174 69.5 0.0 135.6
176 67.4 0.0 131.0

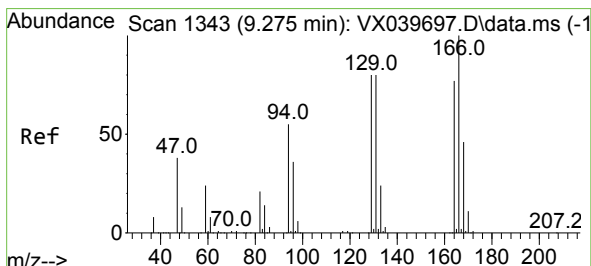
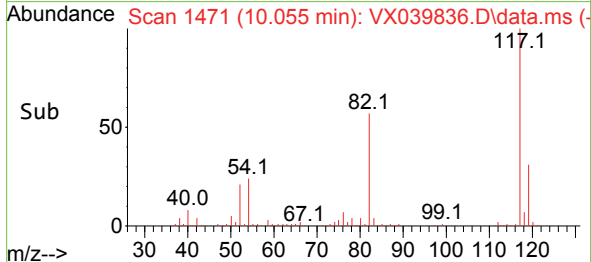
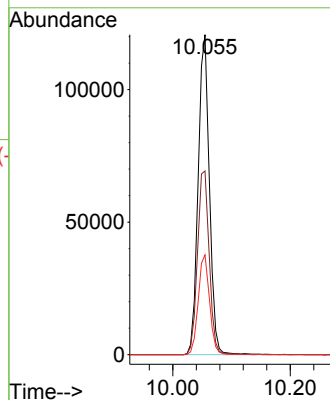
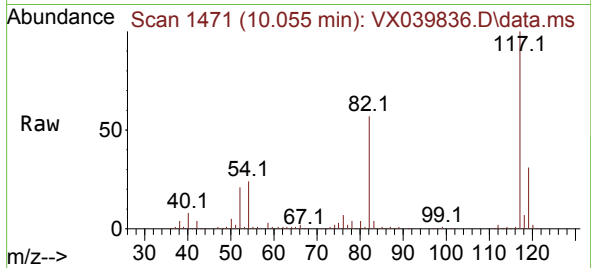




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039836.D
Acq: 19 Jan 2024 14:06

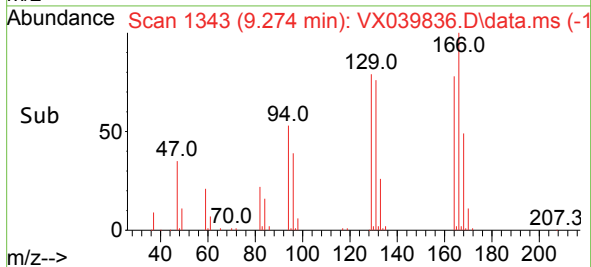
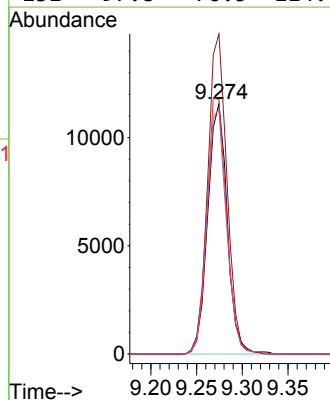
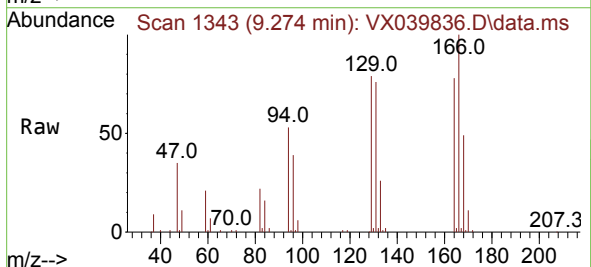
Instrument :
MSVOA_X
ClientSampleId :
SUMOGW-7-37-40

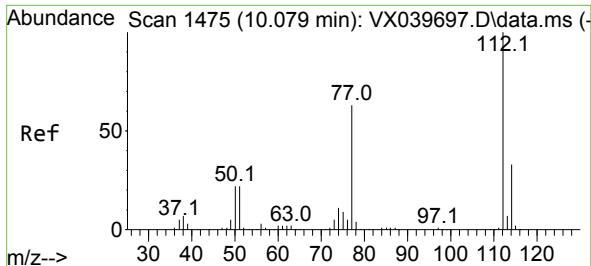
Tgt Ion:117 Resp: 160584
Ion Ratio Lower Upper
117 100
82 57.4 46.2 69.4
119 31.2 25.5 38.3



#64
Tetrachloroethene
Concen: 16.323 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX039836.D
Acq: 19 Jan 2024 14:06

Tgt Ion:164 Resp: 17046
Ion Ratio Lower Upper
164 100
166 128.0 102.7 154.1
129 101.7 80.4 120.6
131 97.8 76.5 114.7

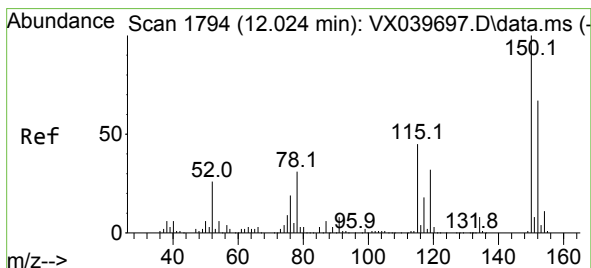
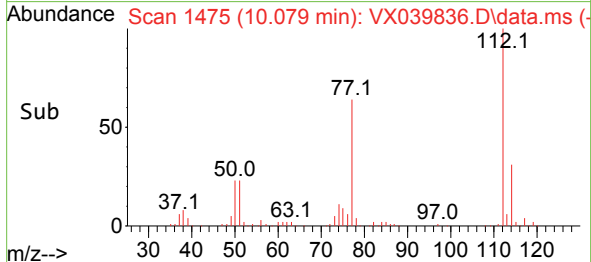
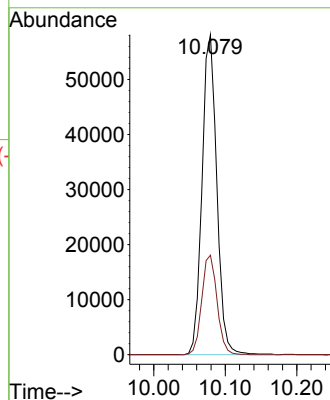
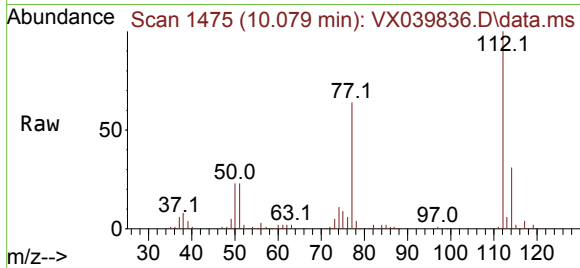




#65
Chlorobenzene
Concen: 24.894 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX039836.D
Acq: 19 Jan 2024 14:06

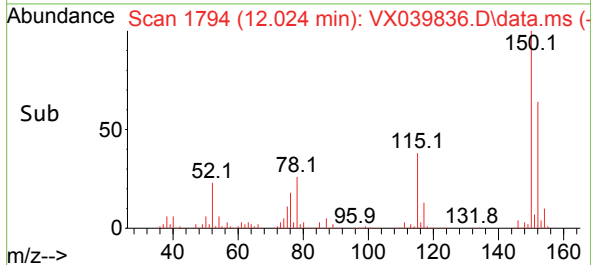
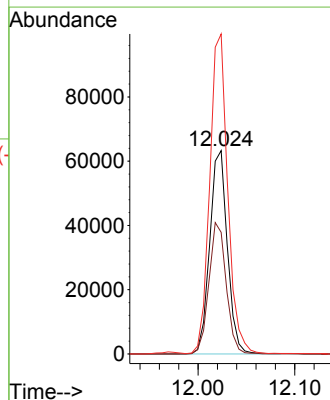
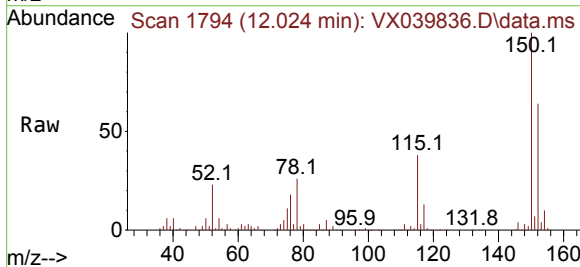
Instrument :
MSVOA_X
ClientSampleId :
SUMOGW-7-37-40

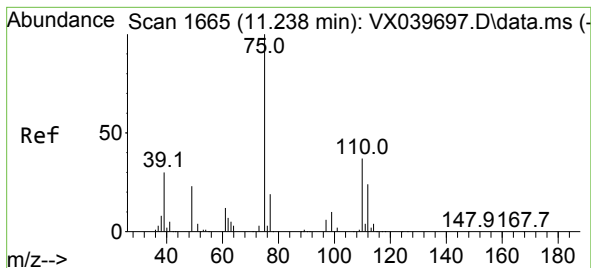
Tgt Ion:112 Resp: 83259
Ion Ratio Lower Upper
112 100
114 31.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX039836.D
Acq: 19 Jan 2024 14:06

Tgt Ion:152 Resp: 80263
Ion Ratio Lower Upper
152 100
115 63.4 43.3 129.9
150 161.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 21.669 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX039836.D

Acq: 19 Jan 2024 14:06

Instrument :

MSVOA_X

ClientSampleId :

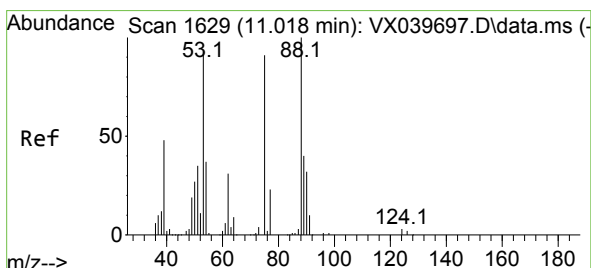
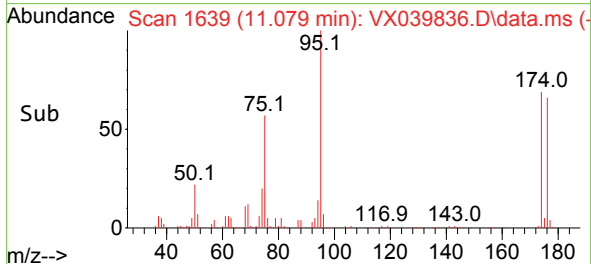
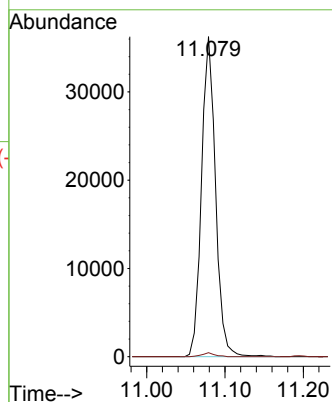
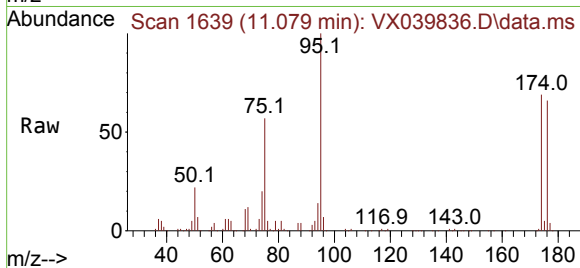
SUMOGW-7-37-40

Tgt Ion: 75 Resp: 45090

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.989 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039836.D

Acq: 19 Jan 2024 14:06

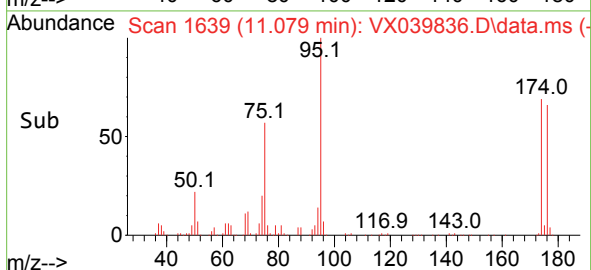
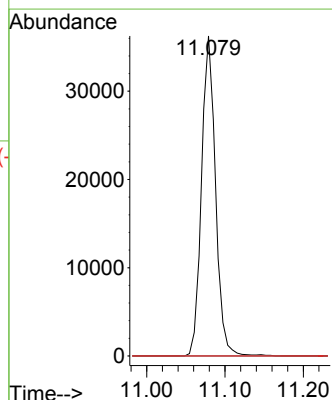
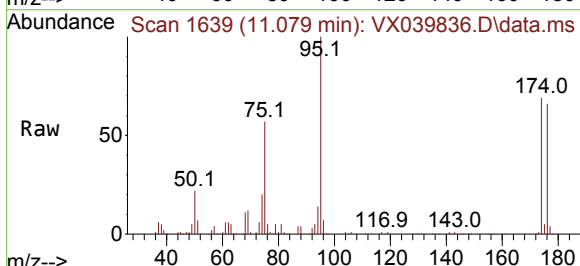
Tgt Ion: 75 Resp: 45090

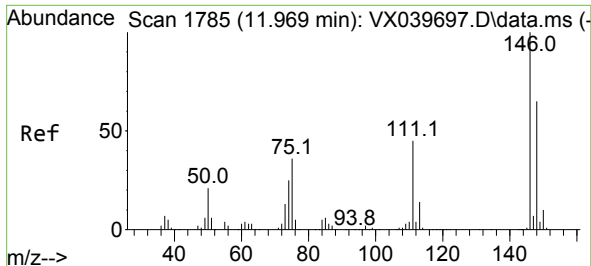
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 2.279 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX039836.D

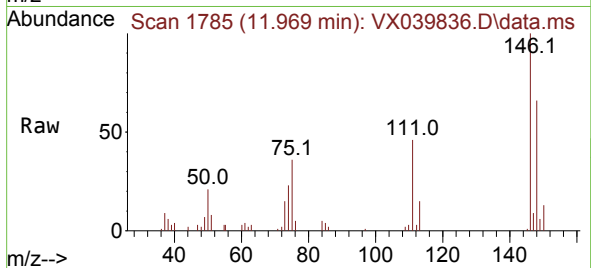
Acq: 19 Jan 2024 14:06

Instrument :

MSVOA_X

ClientSampleId :

SUMOGW-7-37-40



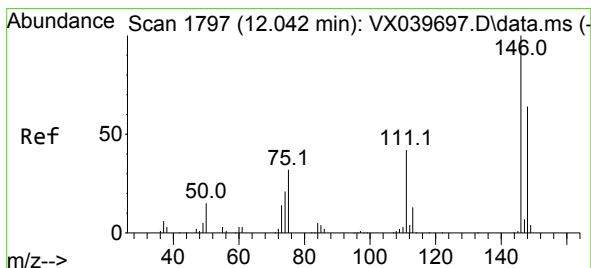
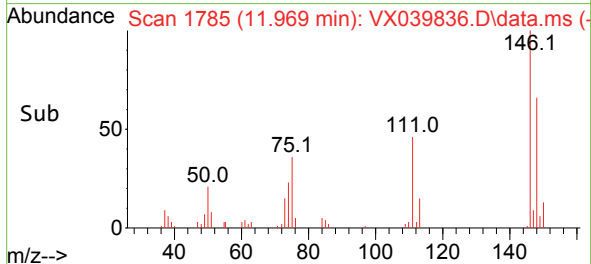
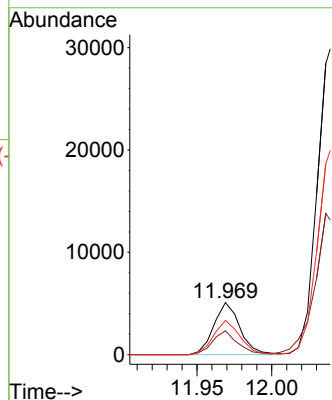
Tgt Ion:146 Resp: 6217

Ion Ratio Lower Upper

146 100

111 44.1 22.1 66.1

148 66.9 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 14.105 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VX039836.D

Acq: 19 Jan 2024 14:06

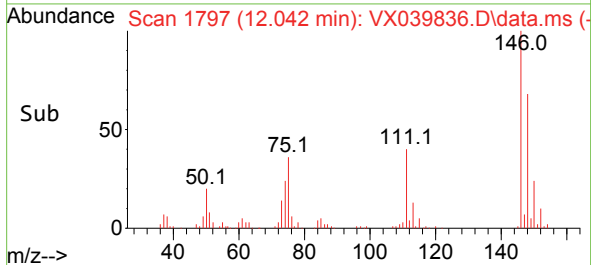
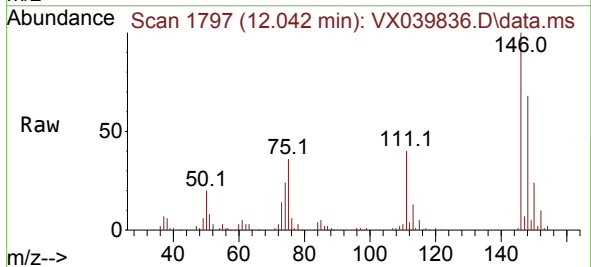
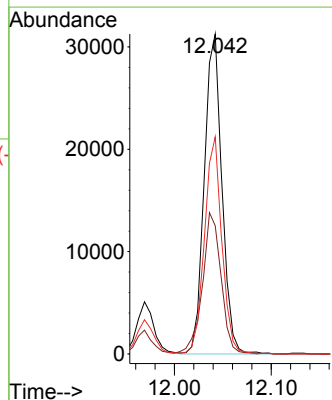
Tgt Ion:146 Resp: 39733

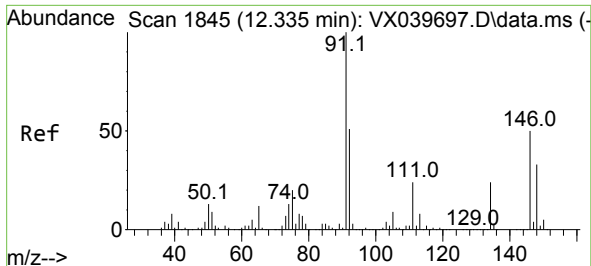
Ion Ratio Lower Upper

146 100

111 46.7 21.3 63.7

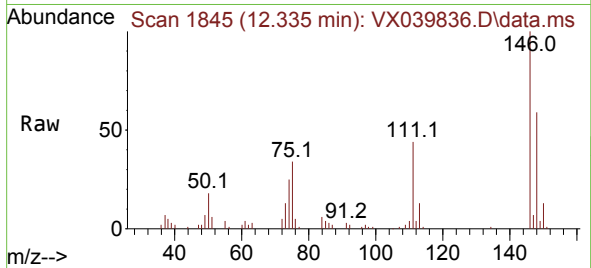
148 66.8 31.8 95.4



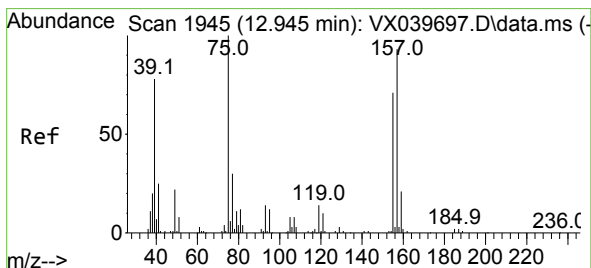
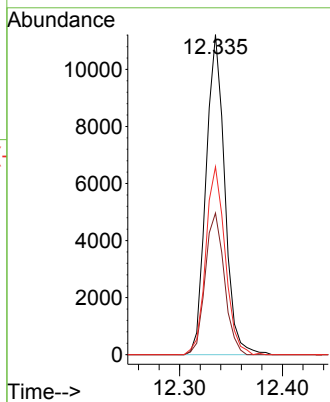
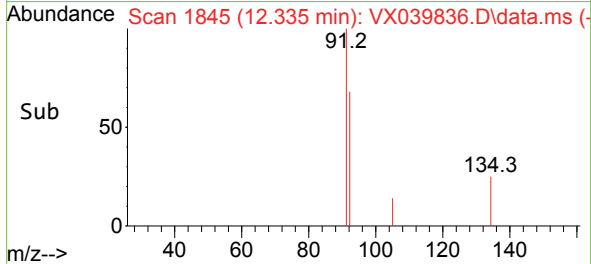


#91
1,2-Dichlorobenzene
Concen: 5.256 ug/l
RT: 12.335 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039836.D
Acq: 19 Jan 2024 14:06

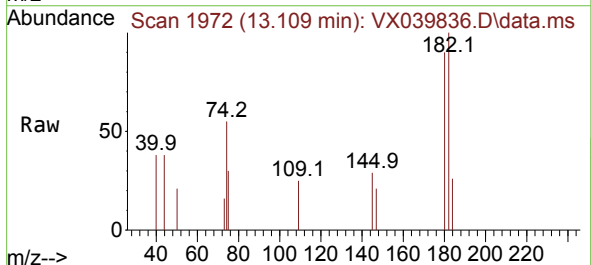
Instrument :
MSVOA_X
ClientSampleId :
SUMOGW-7-37-40



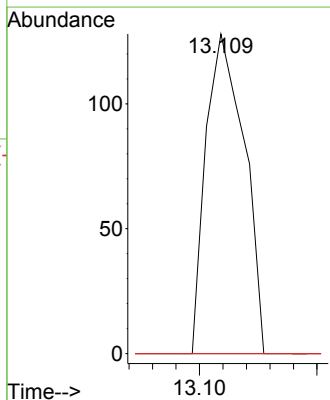
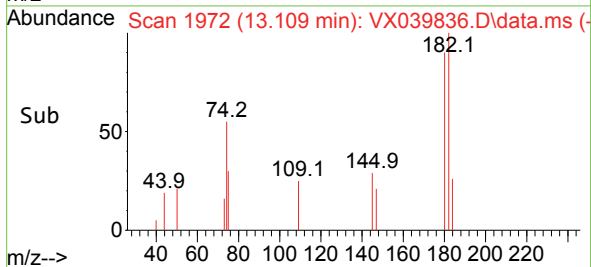
Tgt Ion:146 Resp: 14171
Ion Ratio Lower Upper
146 100
111 45.3 22.4 67.0
148 60.9 31.6 95.0

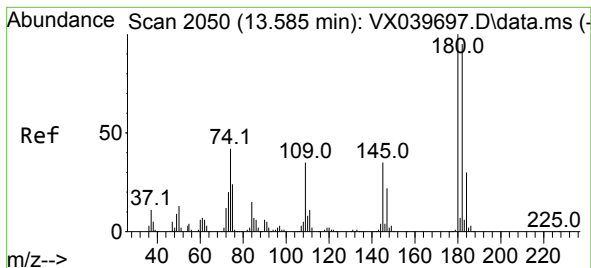


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.242 ug/l
RT: 13.109 min Scan# 1972
Delta R.T. 0.164 min
Lab File: VX039836.D
Acq: 19 Jan 2024 14:06



Tgt Ion: 75 Resp: 145
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: 210.123 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX039836.D

Acq: 19 Jan 2024 14:06

Instrument :

MSVOA_X

ClientSampleId :

SUMOGW-7-37-40

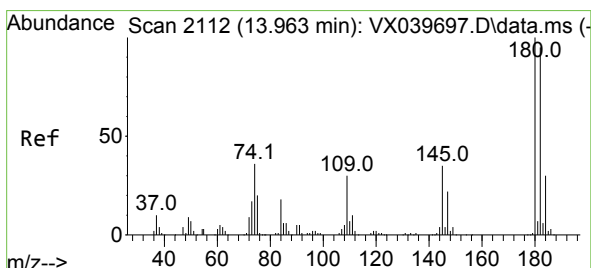
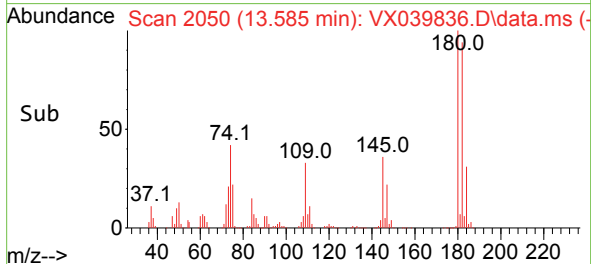
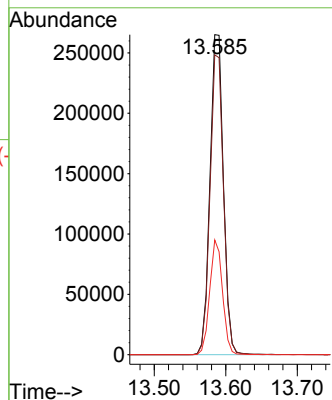
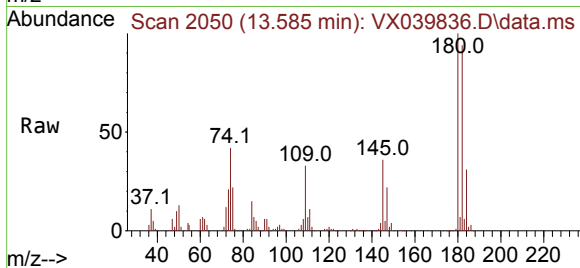
Tgt Ion:180 Resp: 346234

Ion Ratio Lower Upper

180 100

182 93.9 48.3 144.8

145 34.2 18.0 54.0



#96

1,2,3-Trichlorobenzene

Concen: 60.171 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX039836.D

Acq: 19 Jan 2024 14:06

Tgt Ion:180 Resp: 100065

Ion Ratio Lower Upper

180 100

182 94.1 46.9 140.6

145 35.2 17.8 53.5

