

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012324\
 Data File : VX039913.D
 Acq On : 23 Jan 2024 16:41
 Operator : JC/MD
 Sample : P1197-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Jan 24 02:34:02 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)

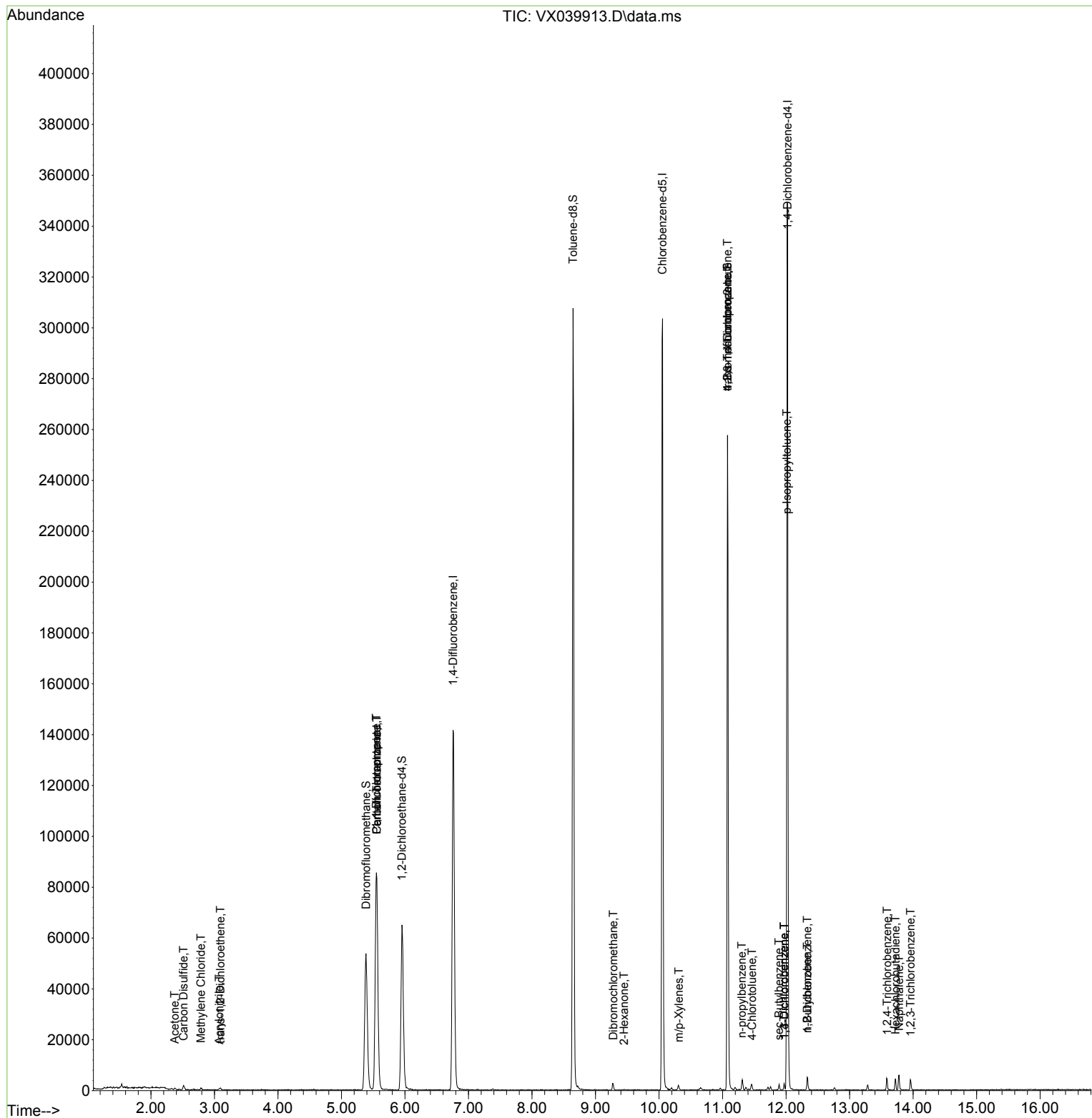
Internal Standards						
1) Pentafluorobenzene	5.556	168	76686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	138442	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	133402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60088	46.776	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.560%		
35) Dibromofluoromethane	5.385	113	45989	49.320	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.640%		
50) Toluene-d8	8.647	98	170655	48.525	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.040%		
62) 4-Bromofluorobenzene	11.079	95	66813	48.582	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.160%		
Target Compounds					Qvalue	
13) Acrolein	2.233	56	79	Below Cal		87
15) Acrylonitrile	3.074	53	384	0.556 ug/l #		83
16) Acetone	2.373	43	566	0.783 ug/l #		50
17) Carbon Disulfide	2.514	76	1515	0.571 ug/l #		76
20) Methylene Chloride	2.788	84	261	0.239 ug/l #		82
21) trans-1,2-Dichloroethene	3.093	96	301	0.310 ug/l #		37
36) 1,1-Dichloropropene	5.550	75	7190	4.954 ug/l #		49
38) Carbon Tetrachloride	5.556	117	8814	6.630 ug/l #		15
59) 2-Hexanone	9.451	43	332	0.214 ug/l #		45
60) Dibromochloromethane	9.281	129	206	0.209 ug/l #		11
68) m/p-Xylenes	10.311	106	600	0.316 ug/l		95
76) 1,2,3-Trichloropropane	11.079	75	37668	22.065 ug/l #		38
78) n-propylbenzene	11.305	91	1426	0.225 ug/l		100
81) trans-1,4-Dichloro-2-b...	11.079	75	37668	64.014 ug/l #		5
82) 4-Chlorotoluene	11.463	91	1210	0.272 ug/l		88
85) sec-Butylbenzene	11.890	105	1358	0.246 ug/l		95
86) p-Isopropyltoluene	12.012	119	1265	0.287 ug/l #		77
87) 1,3-Dichlorobenzene	11.969	146	848	0.379 ug/l		89
88) 1,4-Dichlorobenzene	11.969	146	848	0.367 ug/l		90
89) n-Butylbenzene	12.335	91	2002	0.470 ug/l		91
91) 1,2-Dichlorobenzene	12.335	146	671	0.303 ug/l		95
93) 1,2,4-Trichlorobenzene	13.591	180	1203	0.890 ug/l		99
94) Hexachlorobutadiene	13.725	225	624	1.110 ug/l		95
95) Naphthalene	13.780	128	4124	0.829 ug/l		97
96) 1,2,3-Trichlorobenzene	13.963	180	987	0.723 ug/l		85

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

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Quant Time: Jan 24 02:34:02 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

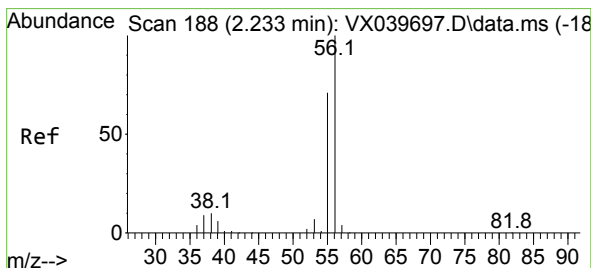
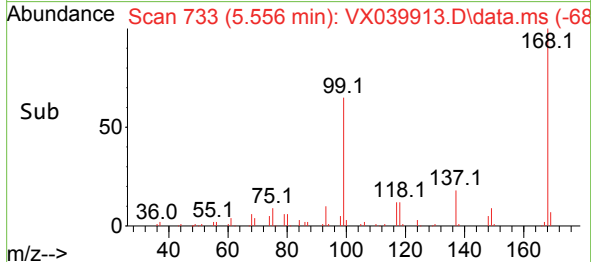
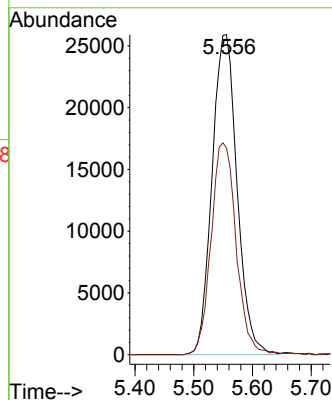
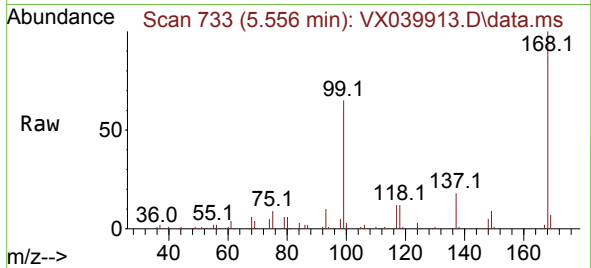




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

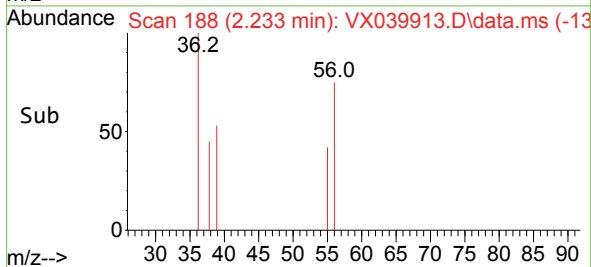
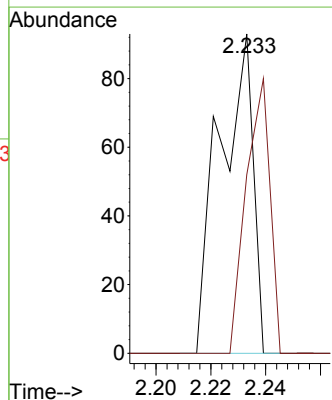
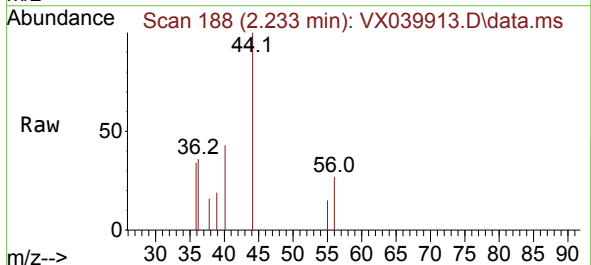
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

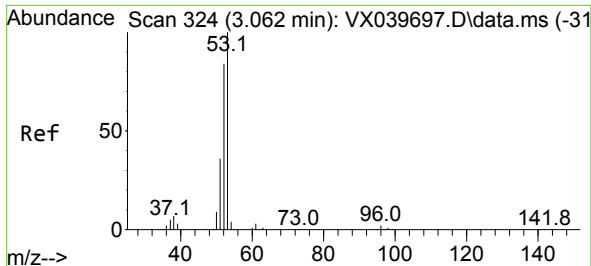
Tgt Ion:168 Resp: 76686
Ion Ratio Lower Upper
168 100
99 64.6 56.6 85.0



#13
Acrolein
Concen: Below Cal
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 60.8 57.1 85.7

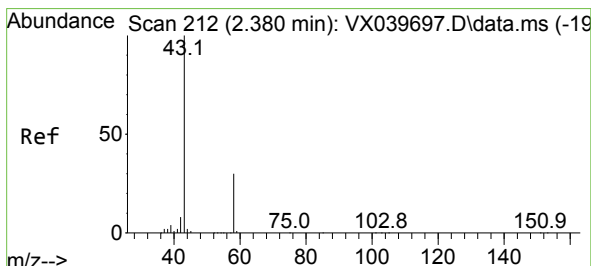
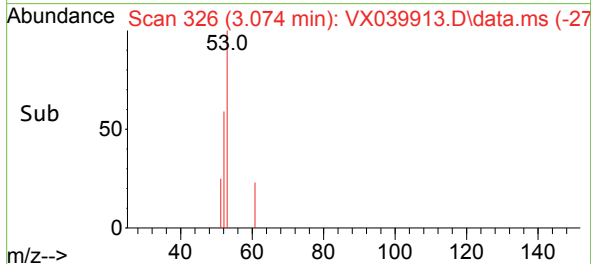
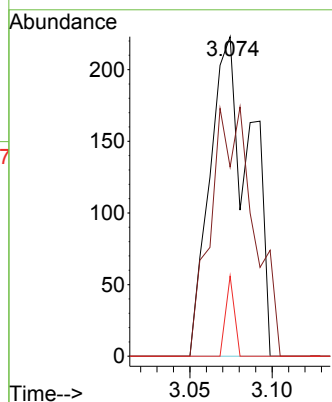
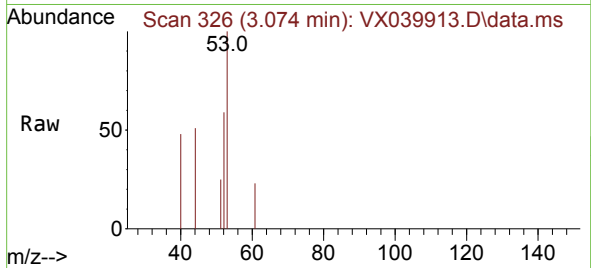




#15
Acrylonitrile
Concen: 0.556 ug/l
RT: 3.074 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

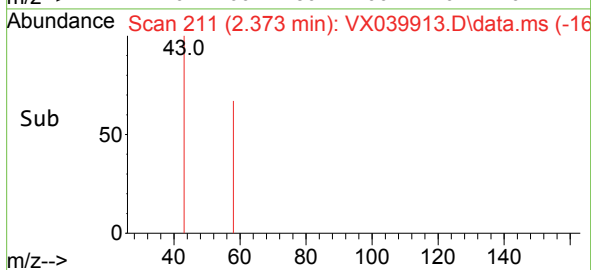
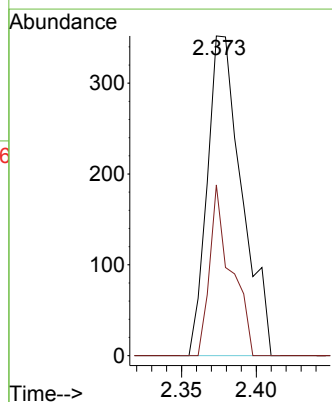
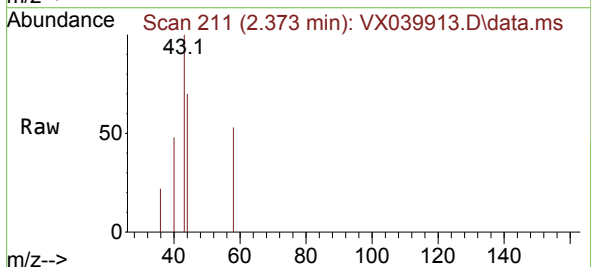
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

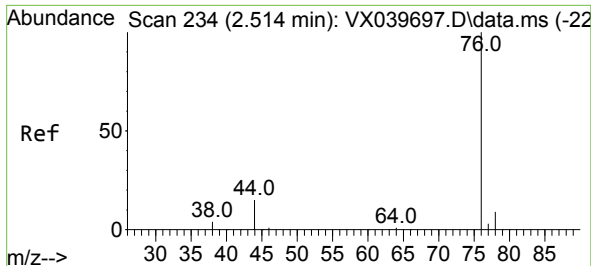
Tgt Ion: 53 Resp: 384
Ion Ratio Lower Upper
53 100
52 81.8 66.0 99.0
51 5.2 29.8 44.6#



#16
Acetone
Concen: 0.783 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

Tgt Ion: 43 Resp: 566
Ion Ratio Lower Upper
43 100
58 53.4 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.571 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX039913.D

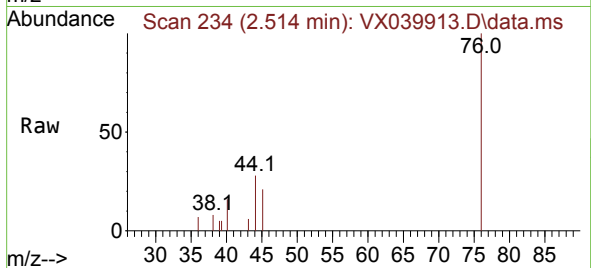
Acq: 23 Jan 2024 16:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

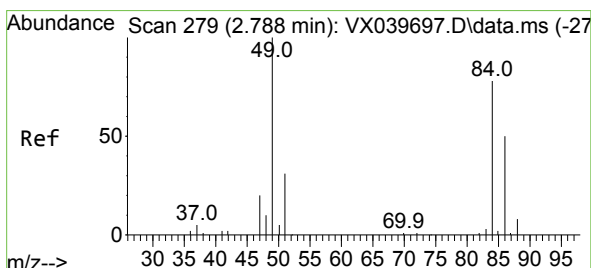
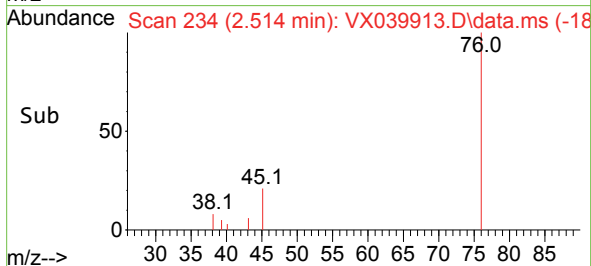
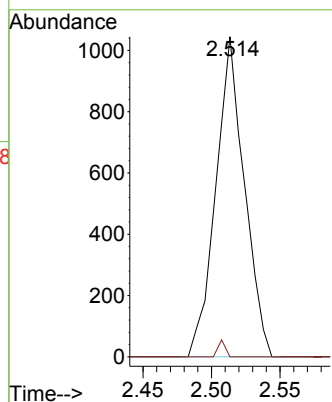


Tgt Ion: 76 Resp: 1515

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: 0.239 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX039913.D

Acq: 23 Jan 2024 16:41

Tgt Ion: 84 Resp: 261

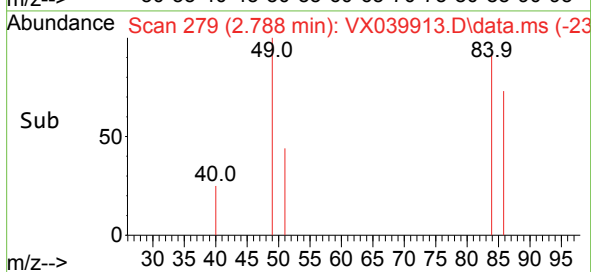
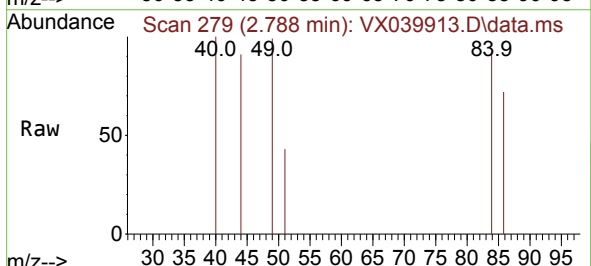
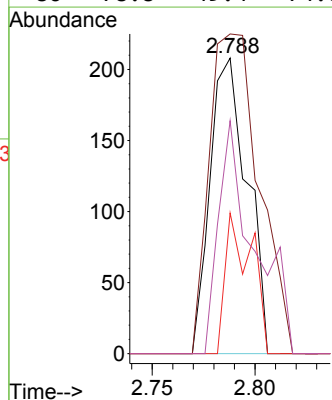
Ion Ratio Lower Upper

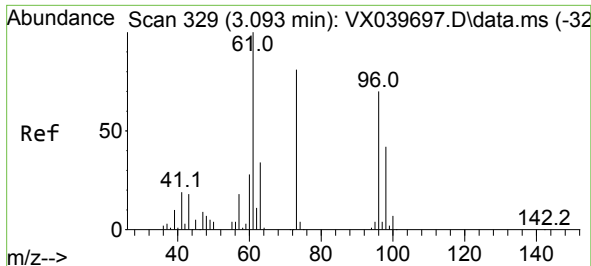
84 100

49 108.2 103.6 155.4

51 47.6 33.8 50.6

86 78.8 49.4 74.0#

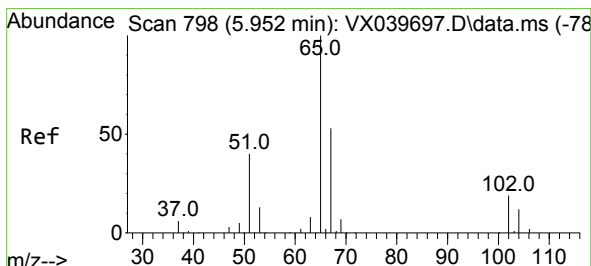
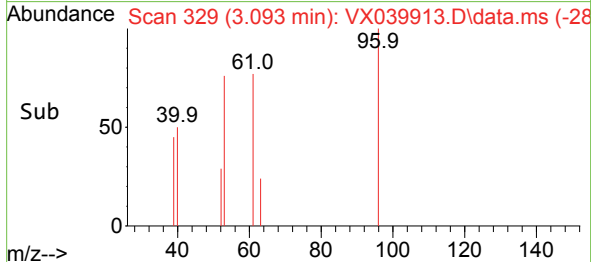
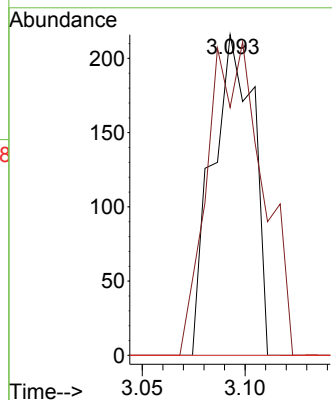
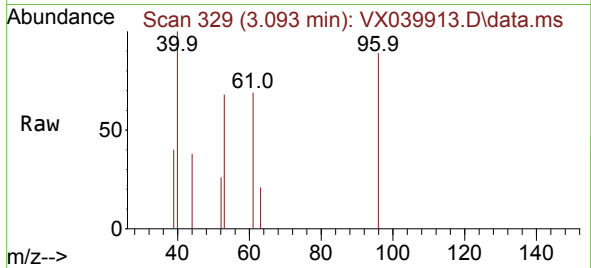




#21
trans-1,2-Dichloroethene
Concen: 0.310 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

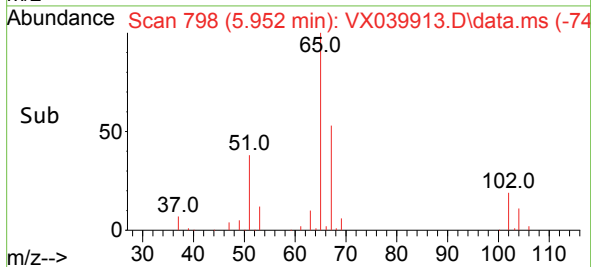
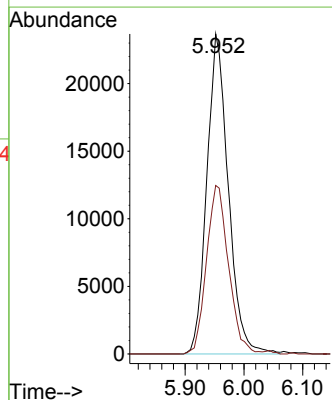
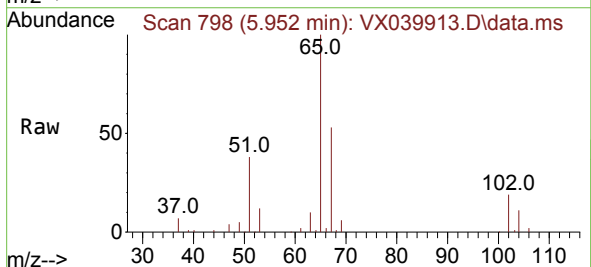
Instrument :
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ClientSampleId :
STORAGE-BLANK-WATER-REF-5

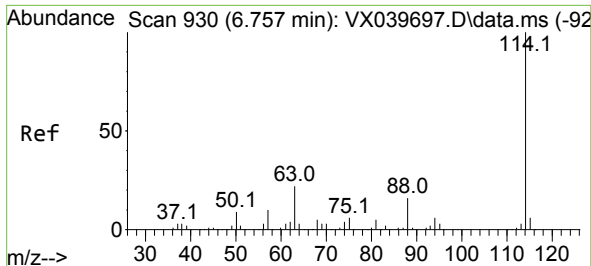
Tgt Ion: 96 Resp: 301
Ion Ratio Lower Upper
96 100
61 77.3 119.2 178.8#
98 0.0 48.7 73.1#



#33
1,2-Dichloroethane-d4
Concen: 46.776 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

Tgt Ion: 65 Resp: 60088
Ion Ratio Lower Upper
65 100
67 54.2 0.0 100.2

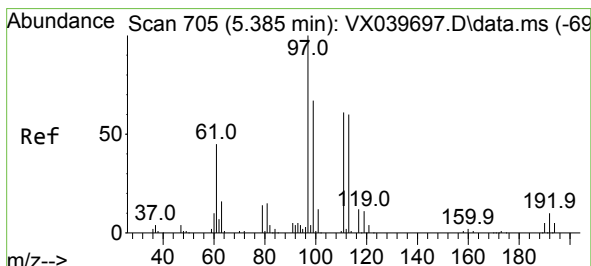
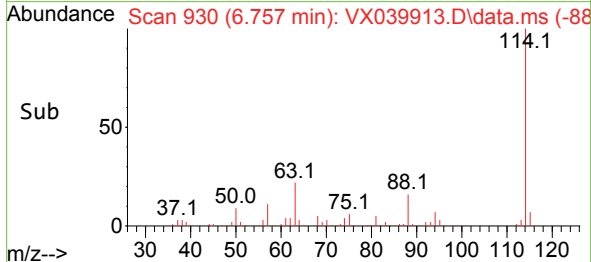
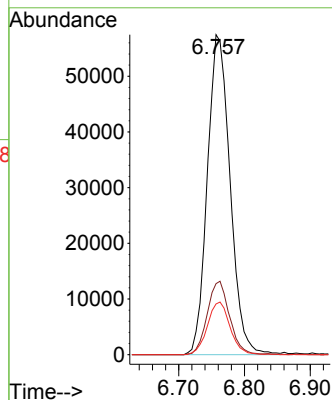
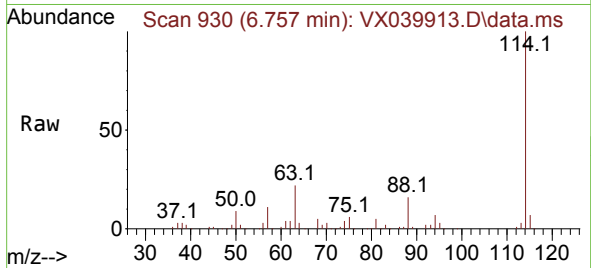




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

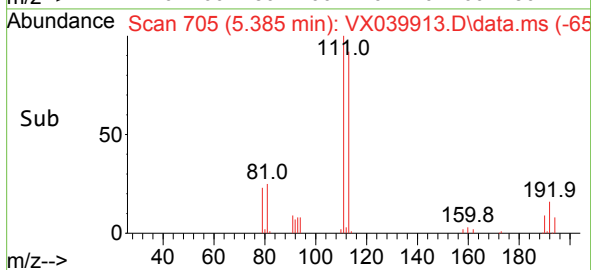
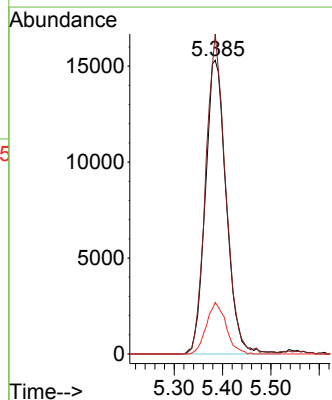
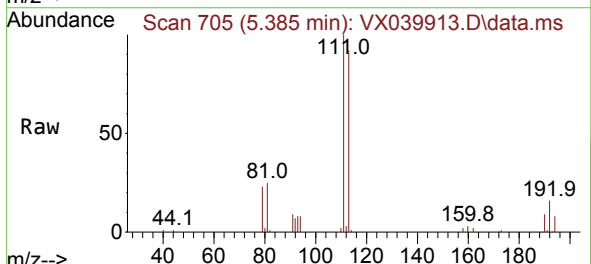
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

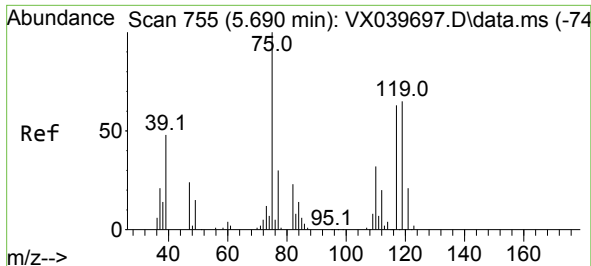
Tgt Ion:114 Resp: 138442
Ion Ratio Lower Upper
114 100
63 22.2 0.0 45.0
88 15.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.320 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

Tgt Ion:113 Resp: 45989
Ion Ratio Lower Upper
113 100
111 103.7 82.9 124.3
192 16.5 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.954 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX039913.D

Acq: 23 Jan 2024 16:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

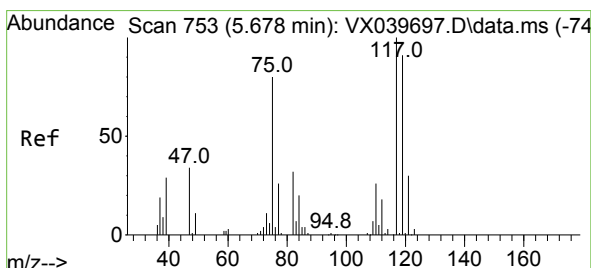
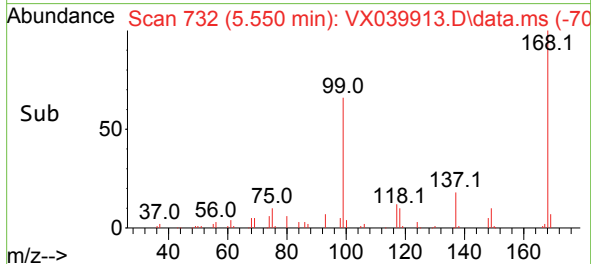
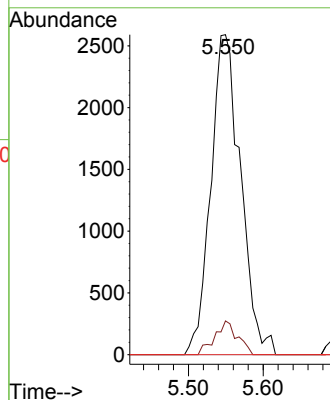
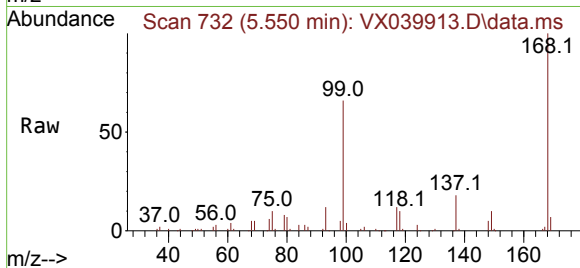
Tgt Ion: 75 Resp: 7190

Ion Ratio Lower Upper

75 100

110 8.0 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.630 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX039913.D

Acq: 23 Jan 2024 16:41

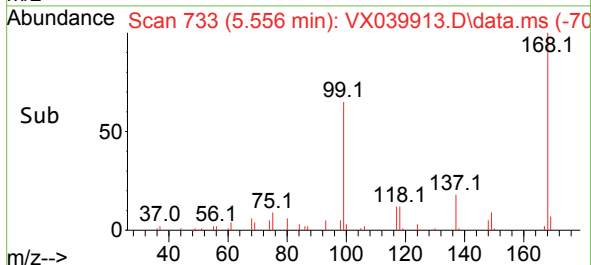
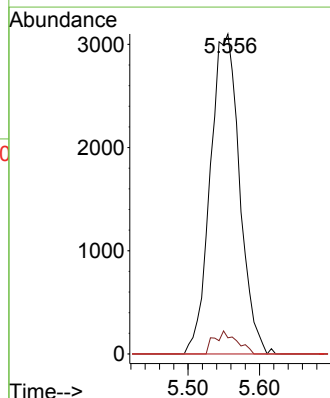
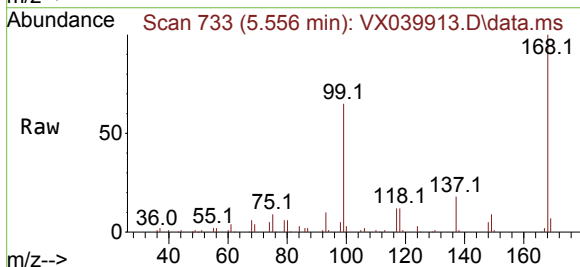
Tgt Ion: 117 Resp: 8814

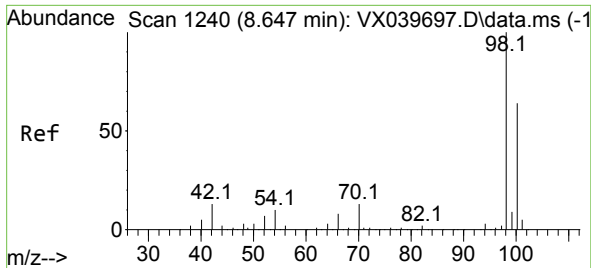
Ion Ratio Lower Upper

117 100

119 5.1 78.2 117.2#

121 0.0 24.4 36.6#

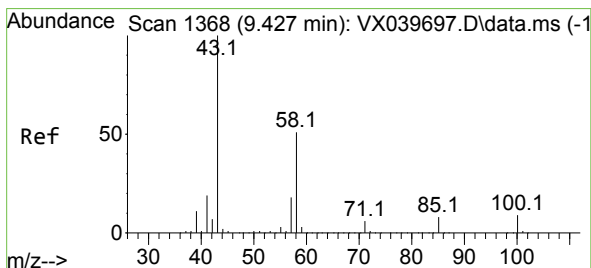
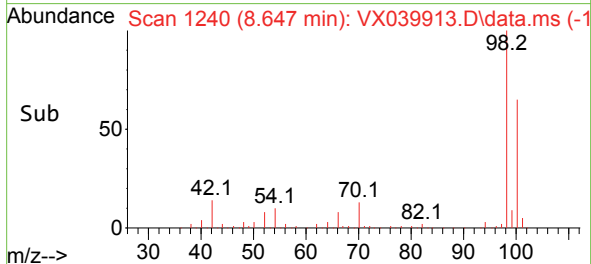
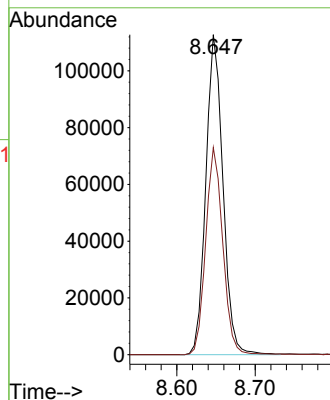
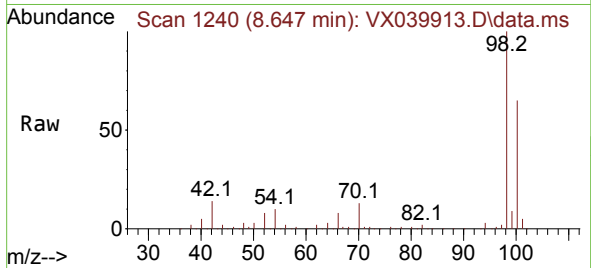




#50
Toluene-d8
Concen: 48.525 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

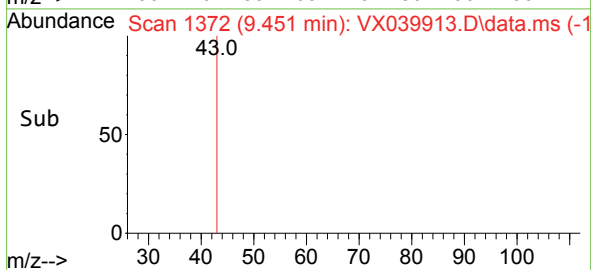
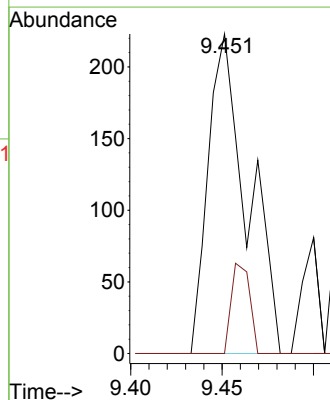
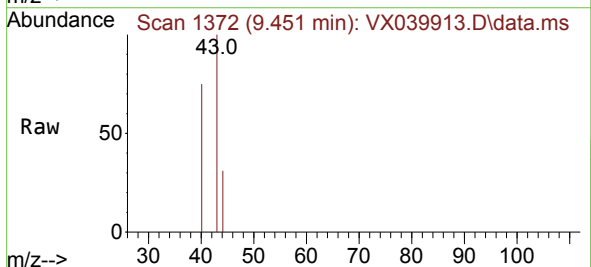
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

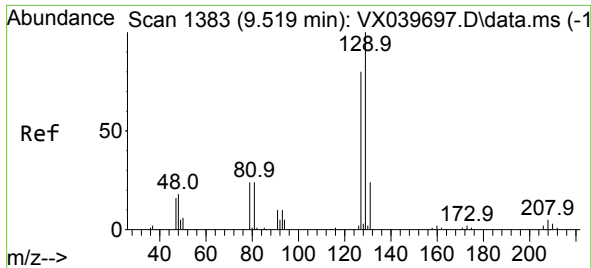
Tgt Ion: 98 Resp: 170655
Ion Ratio Lower Upper
98 100
100 64.9 53.1 79.7



#59
2-Hexanone
Concen: 0.214 ug/l
RT: 9.451 min Scan# 1372
Delta R.T. 0.024 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

Tgt Ion: 43 Resp: 332
Ion Ratio Lower Upper
43 100
58 13.3 26.2 78.5#

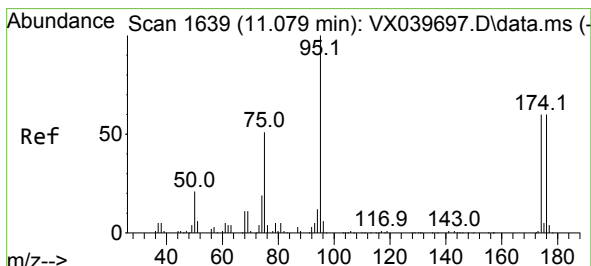
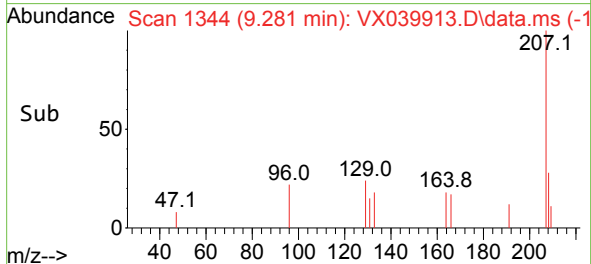
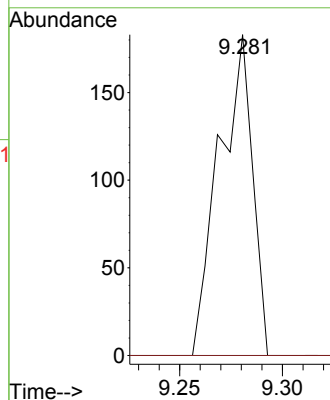
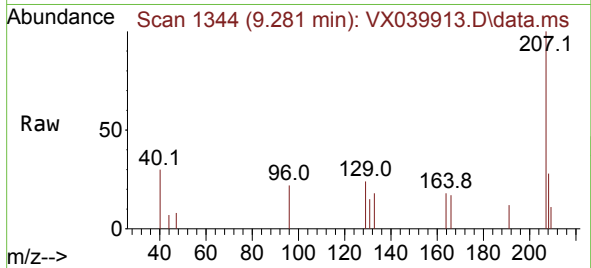




#60
Dibromochloromethane
Concen: 0.209 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.238 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

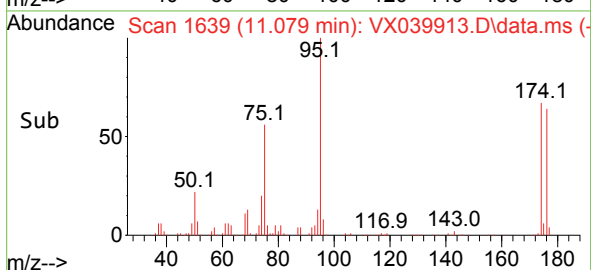
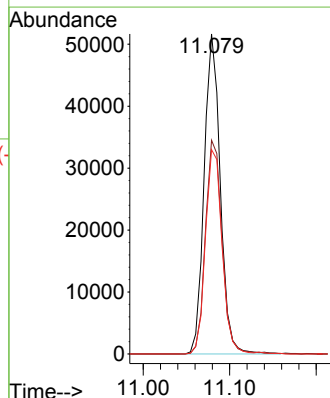
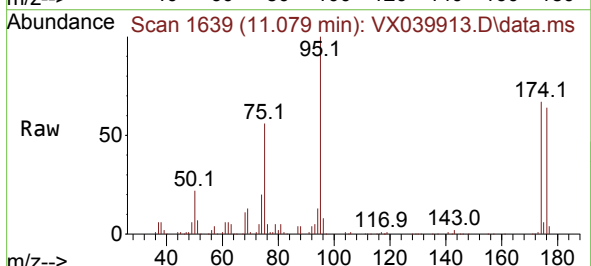
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

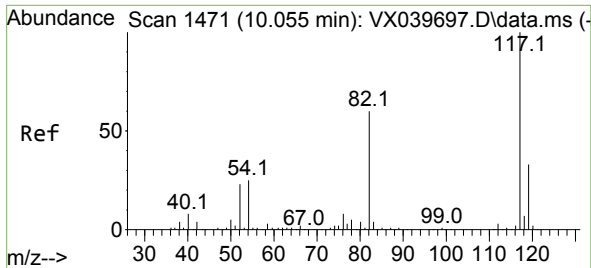
Tgt Ion:129 Resp: 206
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 48.582 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

Tgt Ion: 95 Resp: 66813
Ion Ratio Lower Upper
95 100
174 69.2 0.0 135.6
176 66.4 0.0 131.0

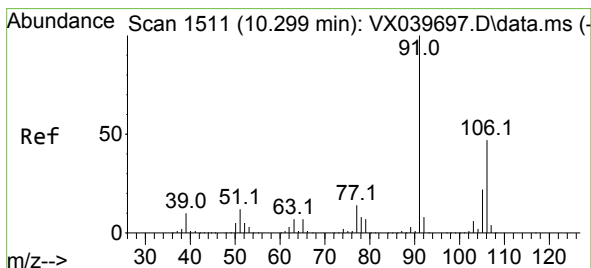
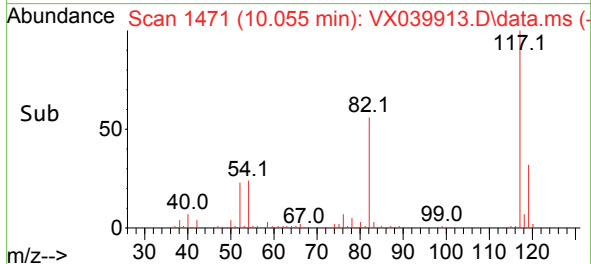
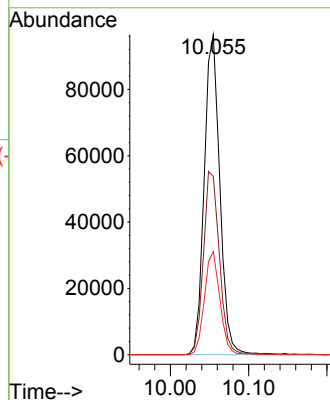
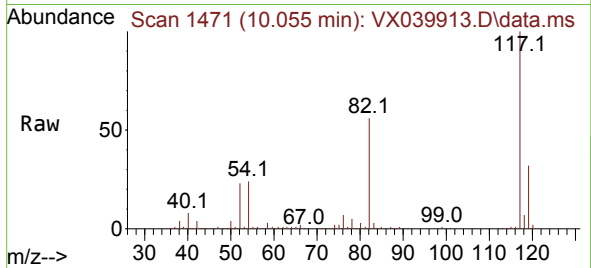




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

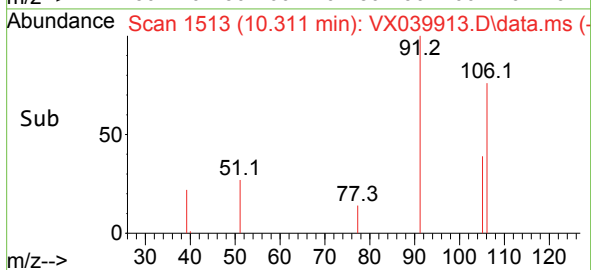
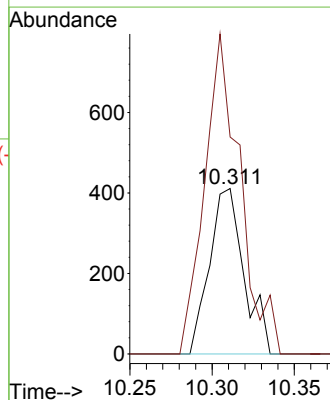
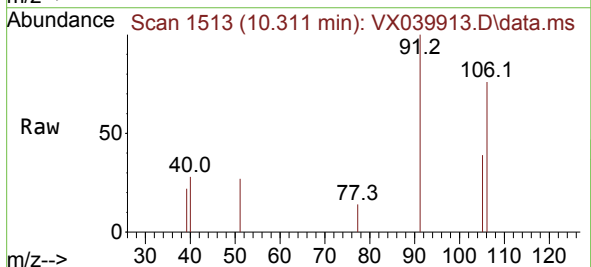
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

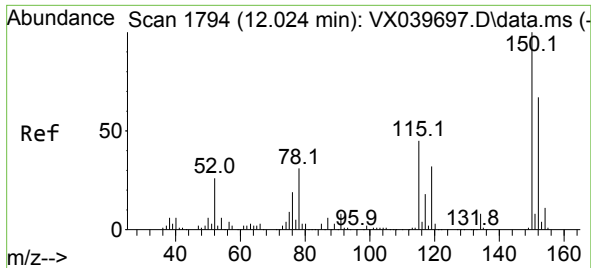
Tgt Ion:117 Resp: 133402
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.4
119 32.2 25.5 38.3



#68
m/p-Xylenes
Concen: 0.316 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

Tgt Ion:106 Resp: 600
Ion Ratio Lower Upper
106 100
91 199.0 165.5 248.3

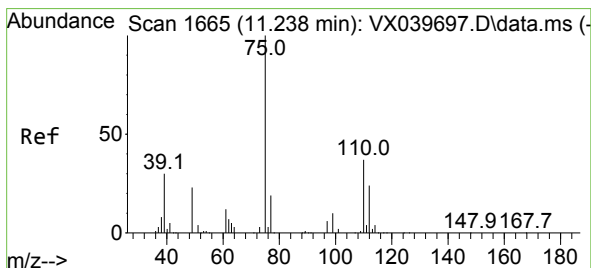
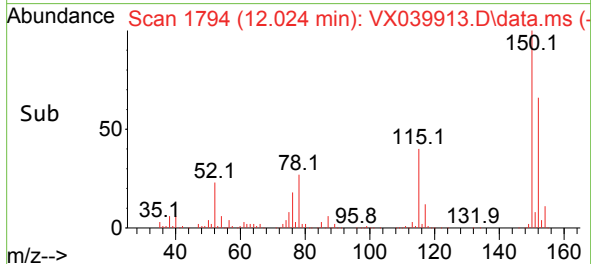
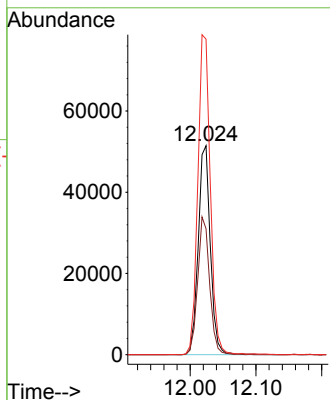
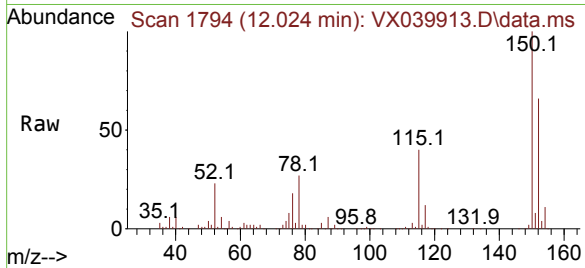




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

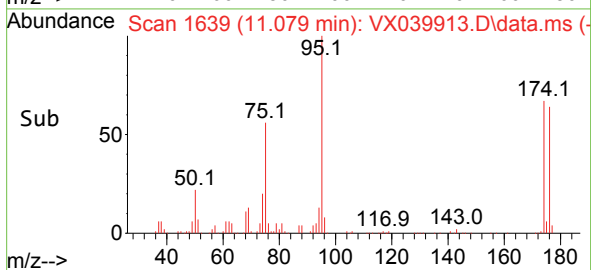
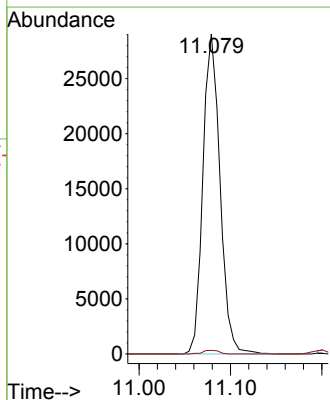
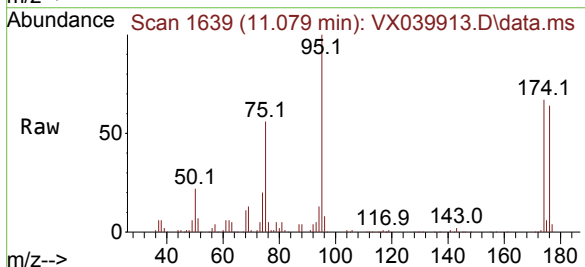
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

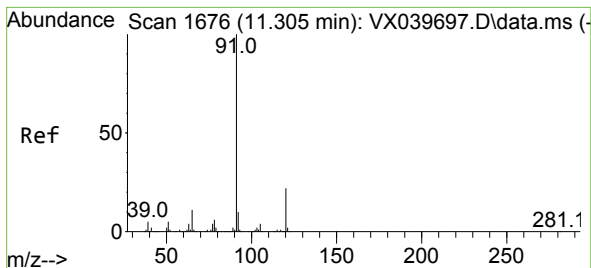
Tgt Ion:152 Resp: 65846
Ion Ratio Lower Upper
152 100
115 64.9 43.3 129.9
150 157.5 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 22.065 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

Tgt Ion: 75 Resp: 37668
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#





#78

n-propylbenzene

Concen: 0.225 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX039913.D

Acq: 23 Jan 2024 16:41

Instrument :

MSVOA_X

ClientSampleId :

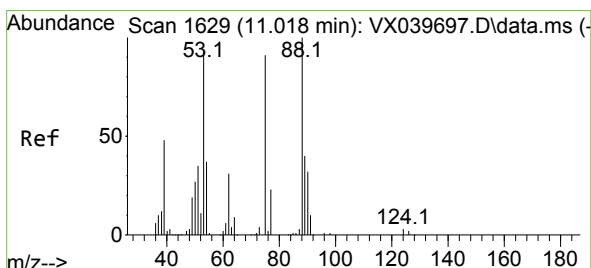
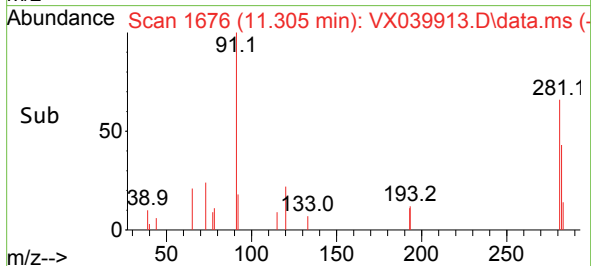
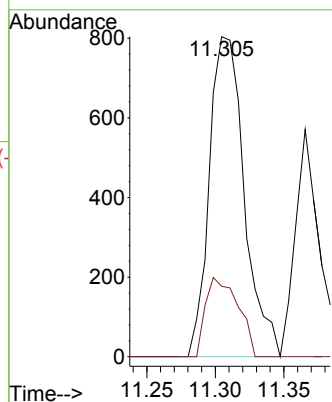
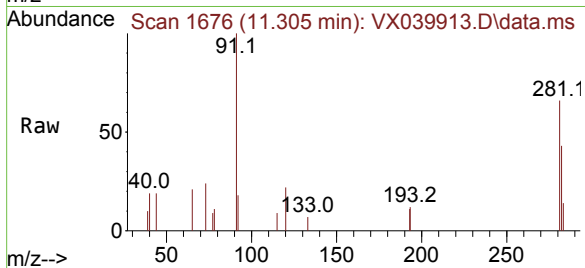
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 91 Resp: 1426

Ion Ratio Lower Upper

91 100

120 23.0 11.5 34.4



#81

trans-1,4-Dichloro-2-butene

Concen: 64.014 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039913.D

Acq: 23 Jan 2024 16:41

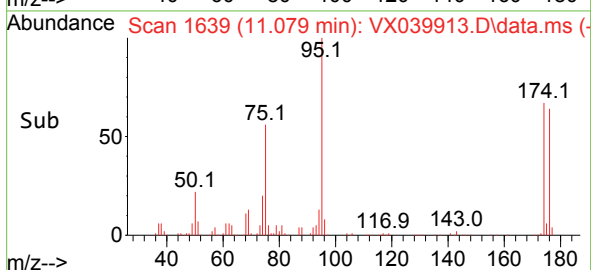
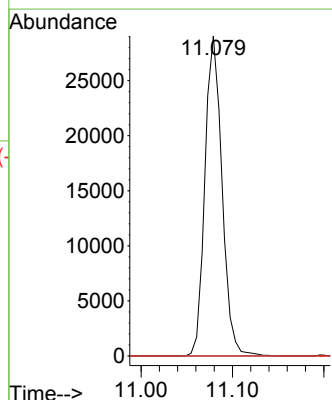
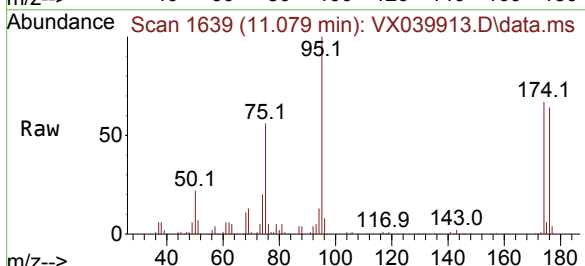
Tgt Ion: 75 Resp: 37668

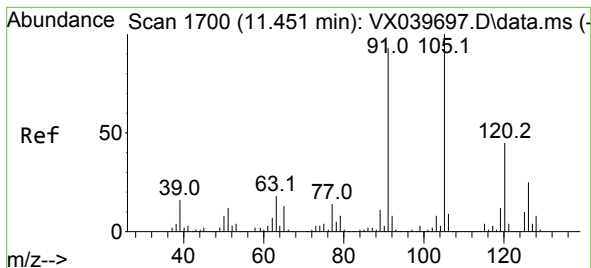
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

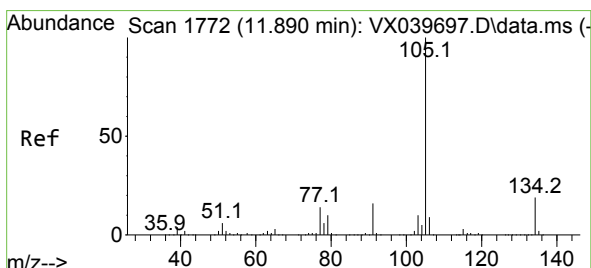
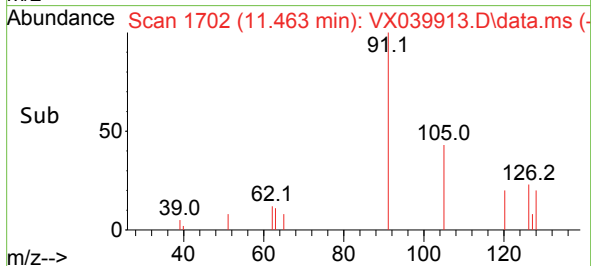
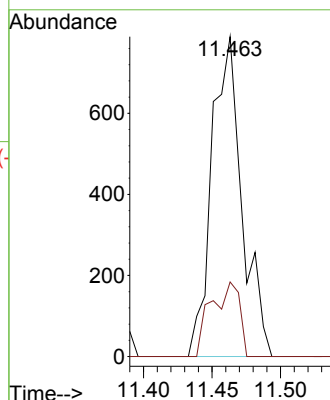
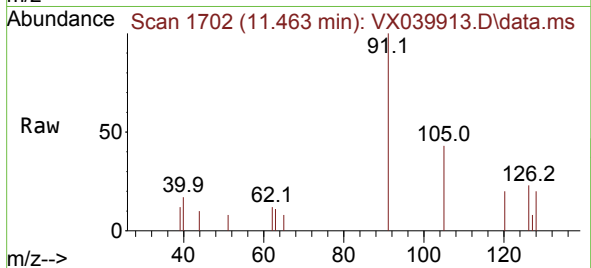




#82
4-Chlorotoluene
Concen: 0.272 ug/l
RT: 11.463 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

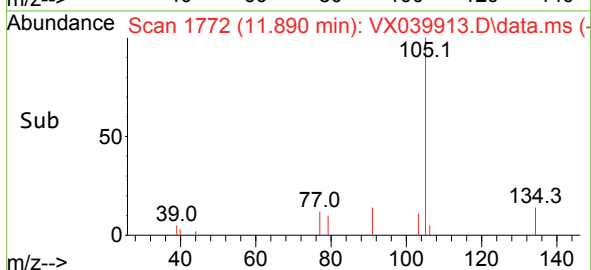
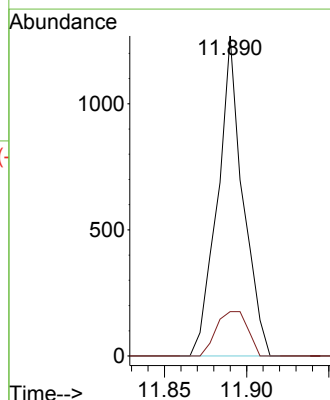
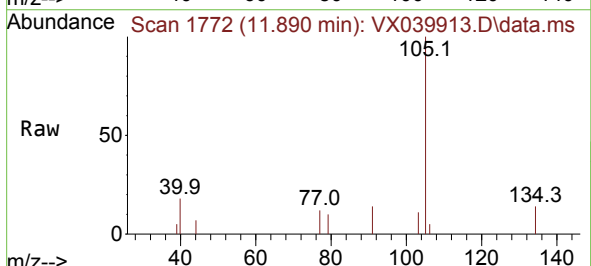
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

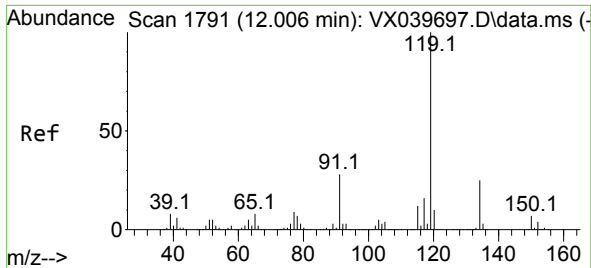
Tgt Ion: 91 Resp: 1210
Ion Ratio Lower Upper
91 100
126 21.9 14.2 42.6



#85
sec-Butylbenzene
Concen: 0.246 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

Tgt Ion: 105 Resp: 1358
Ion Ratio Lower Upper
105 100
134 17.2 9.8 29.4

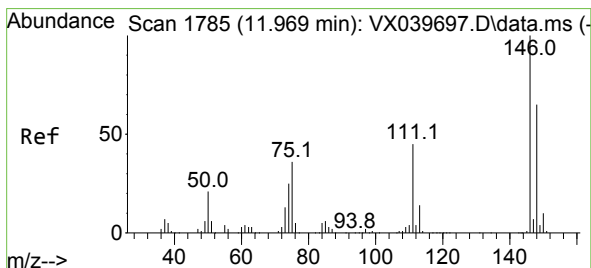
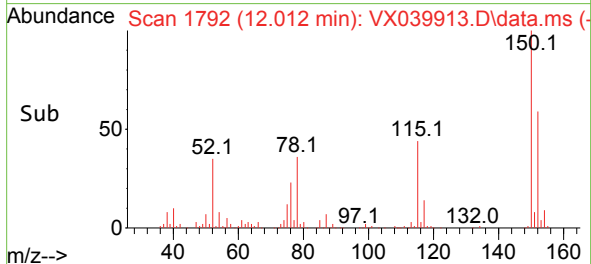
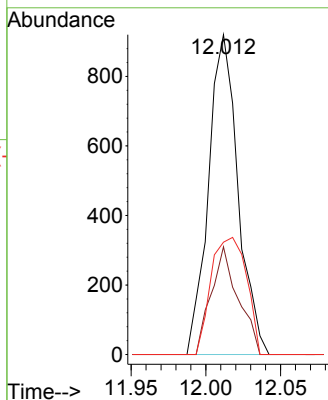
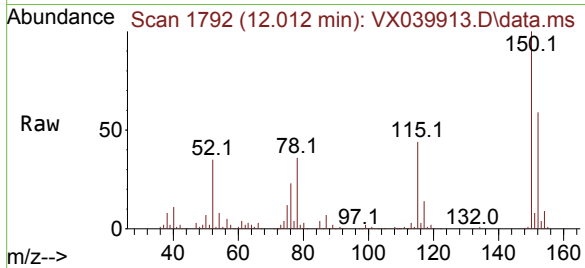




#86
p-Isopropyltoluene
Concen: 0.287 ug/l
RT: 12.012 min Scan# 1791
Delta R.T. 0.006 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

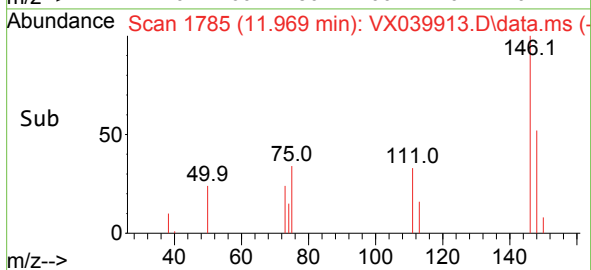
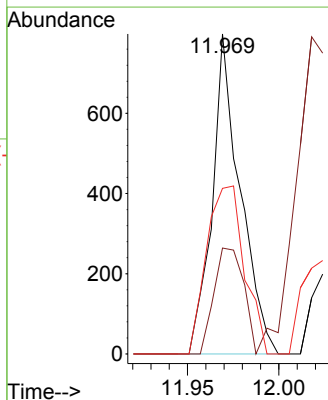
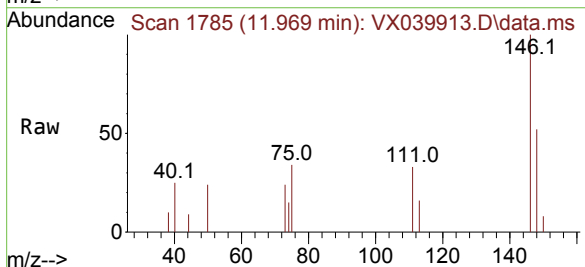
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

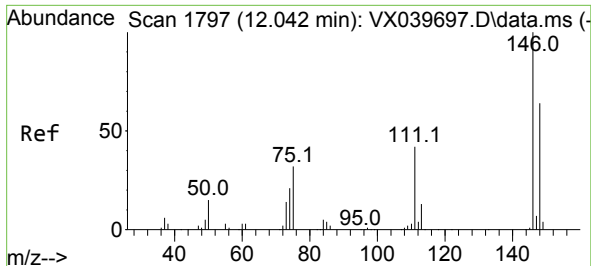
Tgt Ion:119 Resp: 1265
Ion Ratio Lower Upper
119 100
134 30.9 12.8 38.3
91 43.9 13.1 39.3#



#87
1,3-Dichlorobenzene
Concen: 0.379 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

Tgt Ion:146 Resp: 848
Ion Ratio Lower Upper
146 100
111 35.1 22.1 66.1
148 71.0 31.8 95.3

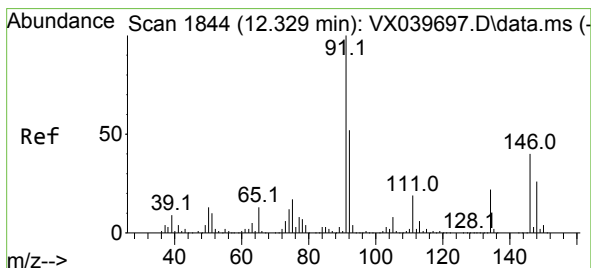
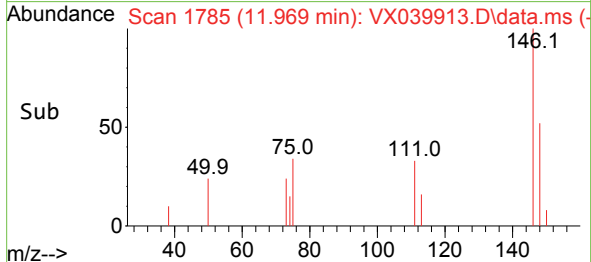
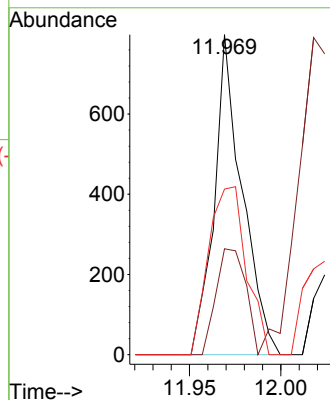
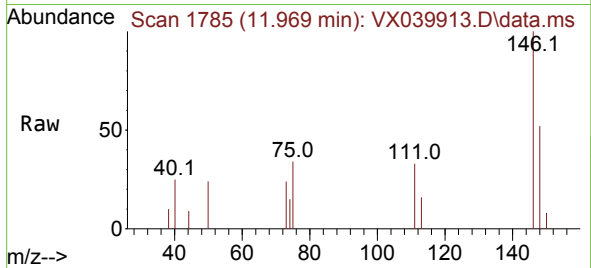




#88
1,4-Dichlorobenzene
Concen: 0.367 ug/l
RT: 11.969 min Scan# 11
Delta R.T. -0.073 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

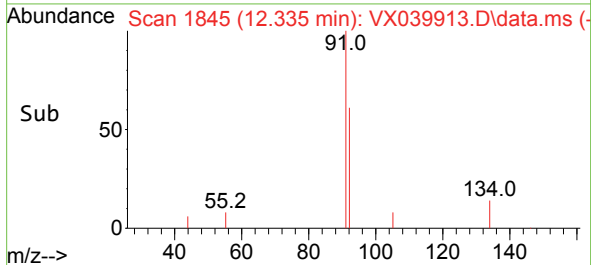
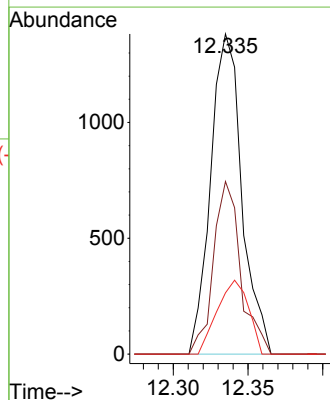
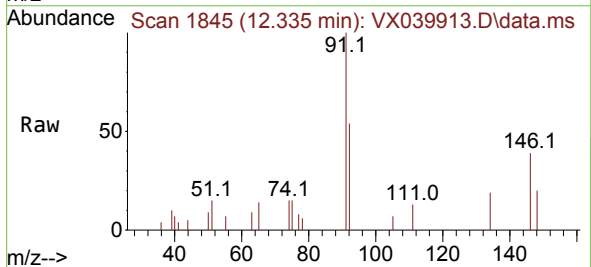
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

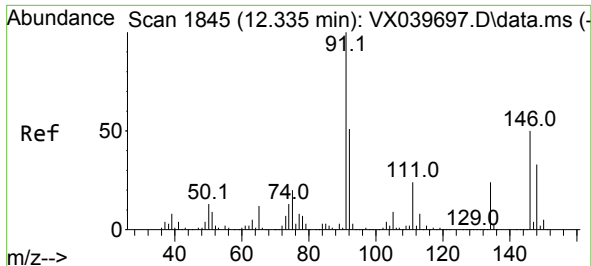
Tgt Ion:146 Resp: 848
Ion Ratio Lower Upper
146 100
111 35.1 21.3 63.7
148 71.0 31.8 95.4



#89
n-Butylbenzene
Concen: 0.470 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

Tgt Ion: 91 Resp: 2002
Ion Ratio Lower Upper
91 100
92 47.0 27.4 82.0
134 23.1 12.6 37.8

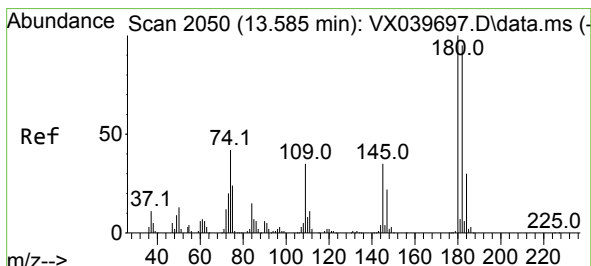
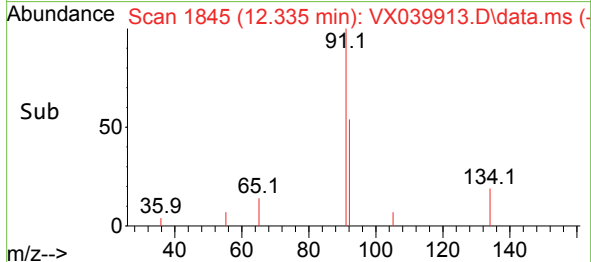
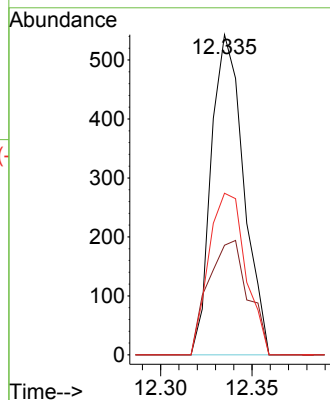
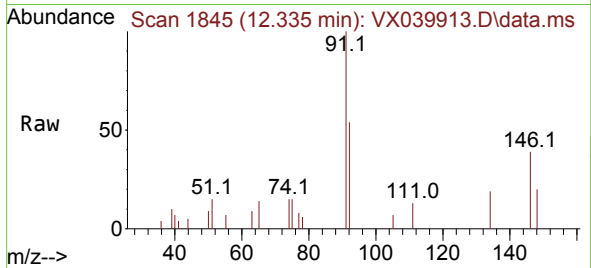




#91
1,2-Dichlorobenzene
Concen: 0.303 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

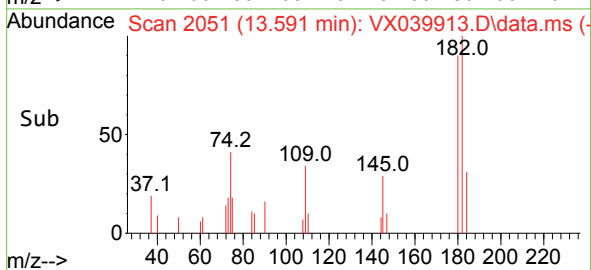
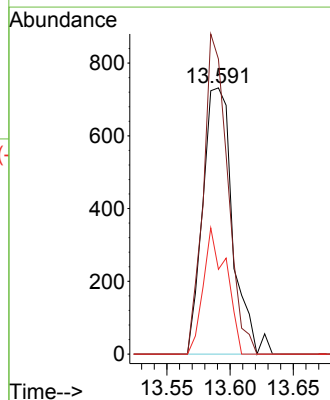
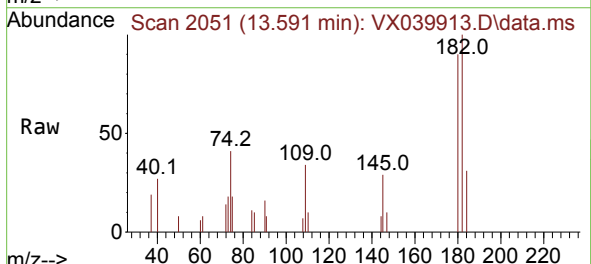
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

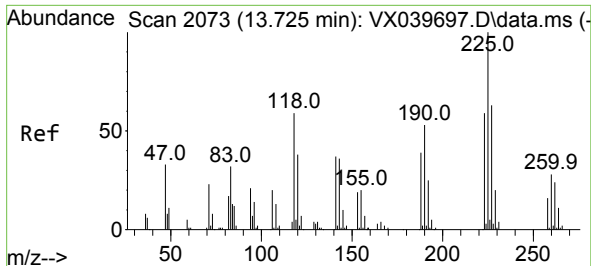
Tgt Ion:146	Resp:	671
Ion	Ratio	Lower Upper
146	100	
111	44.0	22.4 67.0
148	57.5	31.6 95.0



#93
1,2,4-Trichlorobenzene
Concen: 0.890 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

Tgt Ion:180	Resp:	1203
Ion	Ratio	Lower Upper
180	100	
182	97.9	48.3 144.8
145	36.3	18.0 54.0

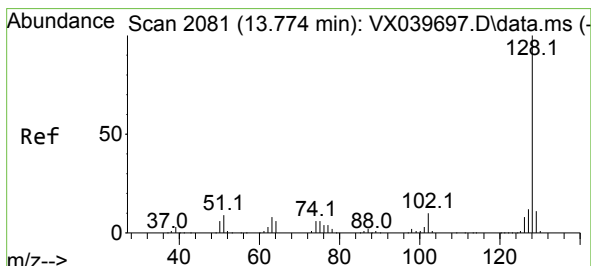
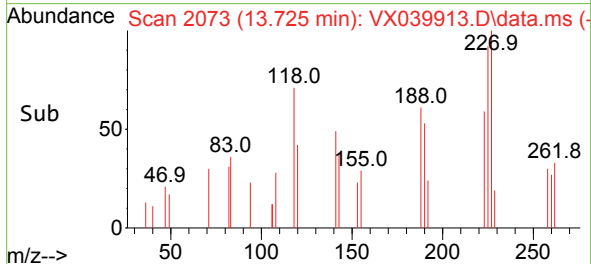
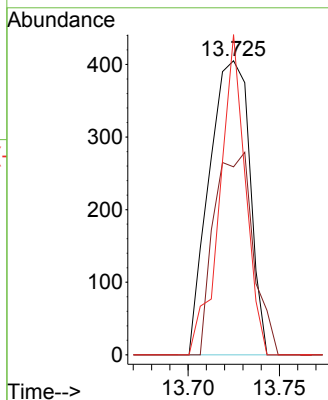
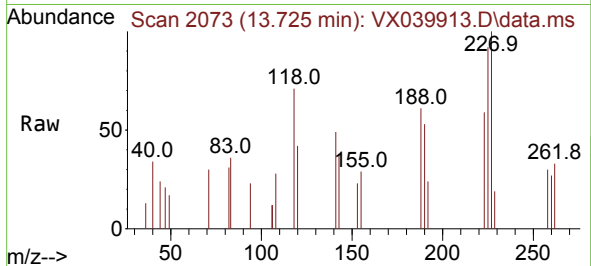




#94
Hexachlorobutadiene
Concen: 1.110 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

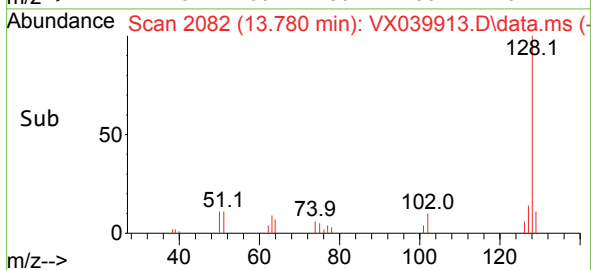
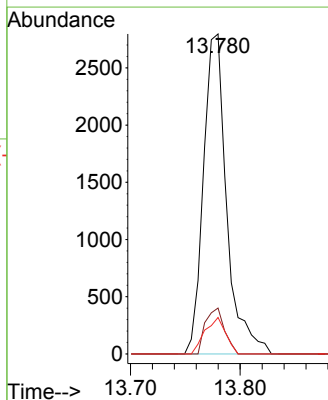
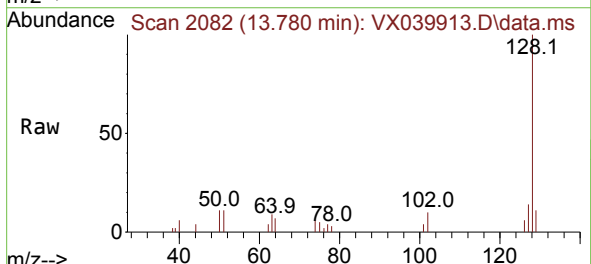
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

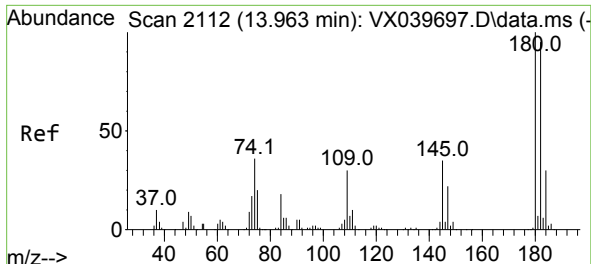
Tgt Ion:225	Resp:	624	
Ion	Ratio	Lower	Upper
225	100		
223	66.5	31.1	93.2
227	68.9	32.5	97.5



#95
Naphthalene
Concen: 0.829 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX039913.D
Acq: 23 Jan 2024 16:41

Tgt Ion:128	Resp:	4124	
Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.3	15.5
129	10.1	8.8	13.2





#96

1,2,3-Trichlorobenzene

Concen: 0.723 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX039913.D

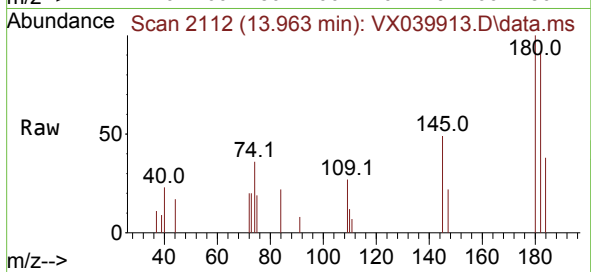
Acq: 23 Jan 2024 16:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5



Tgt Ion:180 Resp: 987

Ion Ratio Lower Upper

180 100

182 108.6 46.9 140.6

145 43.6 17.8 53.5

