

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011024\
 Data File : VX039703.D
 Acq On : 10 Jan 2024 14:33
 Operator : JC/MD
 Sample : VX0110WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBL01

Quant Time: Jan 11 03:58:41 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)

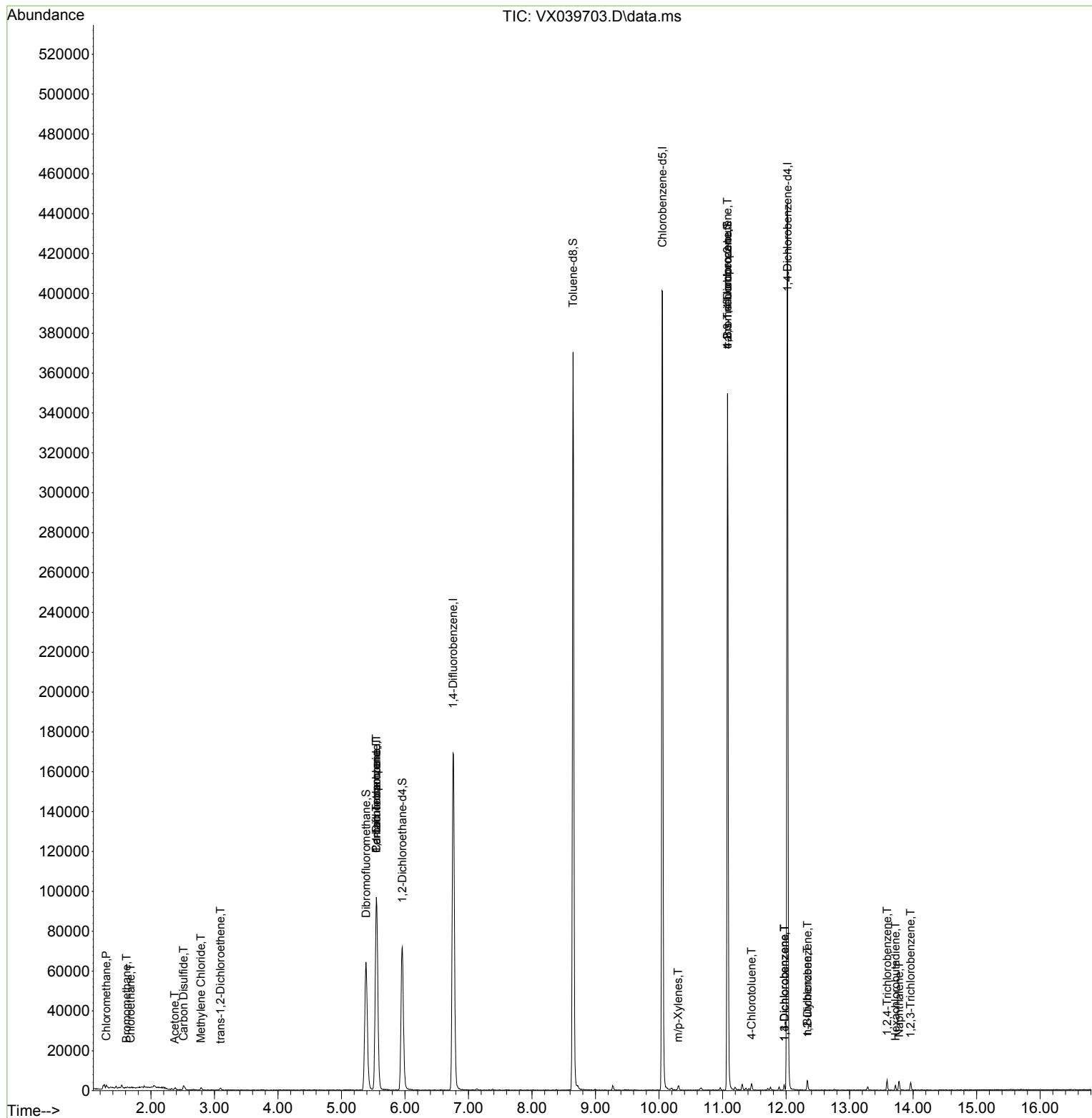
Internal Standards						
1) Pentafluorobenzene	5.550	168	85735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	171427	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	178281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69551	48.428	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.860%
35) Dibromofluoromethane	5.385	113	56052	48.545	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.100%
50) Toluene-d8	8.647	98	214835	49.333	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.660%
62) 4-Bromofluorobenzene	11.079	95	94711	55.617	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.240%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	1058	0.835	ug/l	96
5) Bromomethane	1.618	94	228	0.334	ug/l #	76
6) Chloroethane	1.679	64	267	0.393	ug/l #	43
13) Acrolein	2.239	56	26	Below Cal	#	1
16) Acetone	2.374	43	980	1.213	ug/l	98
17) Carbon Disulfide	2.514	76	2046	0.690	ug/l #	94
20) Methylene Chloride	2.788	84	463	0.379	ug/l #	86
21) trans-1,2-Dichloroethene	3.093	96	355	0.327	ug/l #	82
36) 1,1-Dichloropropene	5.550	75	8245	4.588	ug/l #	50
38) Carbon Tetrachloride	5.550	117	9590	5.826	ug/l #	14
68) m/p-Xylenes	10.299	106	569	0.224	ug/l	77
76) 1,2,3-Trichloropropane	11.079	75	51513	22.746	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	51513	65.767	ug/l #	5
82) 4-Chlorotoluene	11.457	91	1411	0.239	ug/l	88
87) 1,3-Dichlorobenzene	11.975	146	929	0.313	ug/l	92
88) 1,4-Dichlorobenzene	11.975	146	929	0.303	ug/l	91
89) n-Butylbenzene	12.335	91	2016	0.357	ug/l	96
91) 1,2-Dichlorobenzene	12.341	146	628	0.214	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	1163	0.649	ug/l	93
94) Hexachlorobutadiene	13.725	225	443	0.594	ug/l	92
95) Naphthalene	13.780	128	3295	0.499	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	1012	0.559	ug/l	96

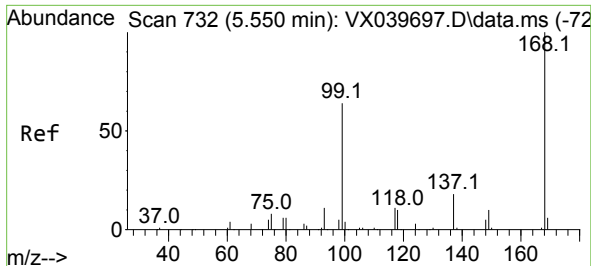
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011024\
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBL01

Quant Time: Jan 11 03:58:41 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

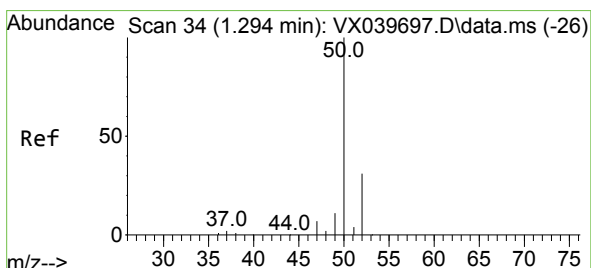
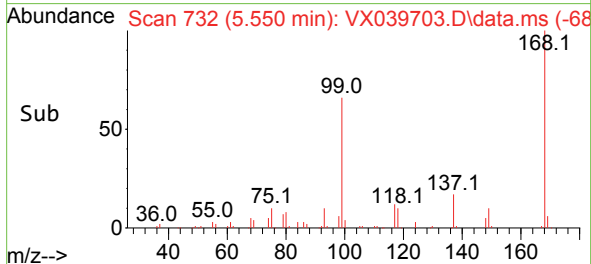
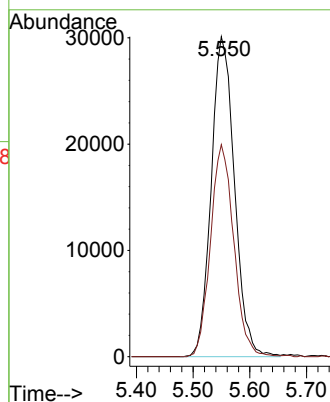
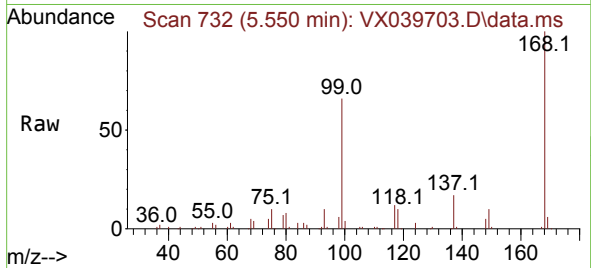




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039703.D
Acq: 10 Jan 2024 14:33

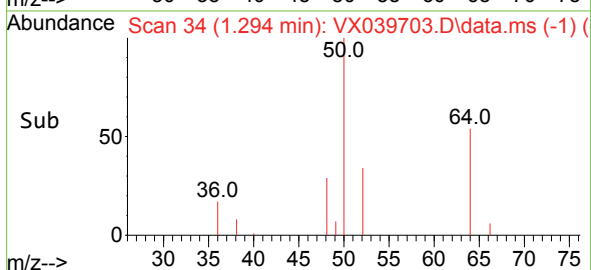
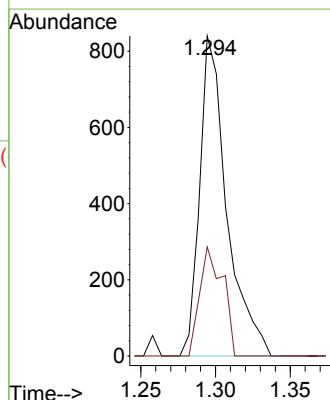
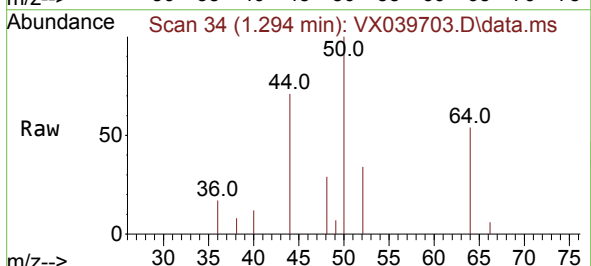
Instrument :
MSVOA_X
ClientSampleId :
VX0110WBL01

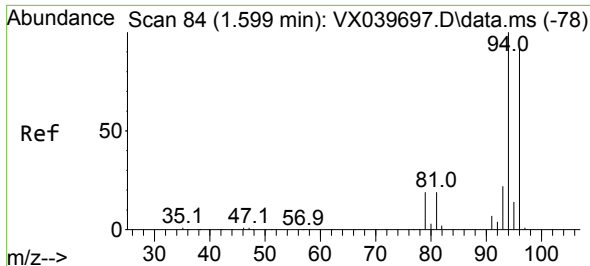
Tgt Ion:168 Resp: 85735
Ion Ratio Lower Upper
168 100
99 66.3 56.6 85.0



#3
Chloromethane
Concen: 0.835 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX039703.D
Acq: 10 Jan 2024 14:33

Tgt Ion: 50 Resp: 1058
Ion Ratio Lower Upper
50 100
52 34.0 25.5 38.3

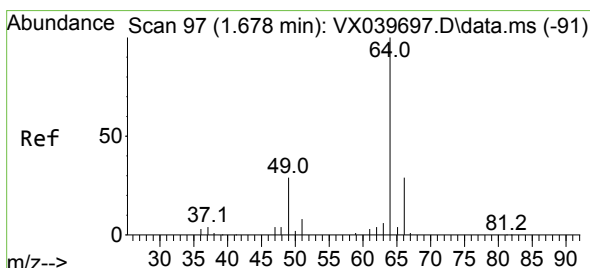
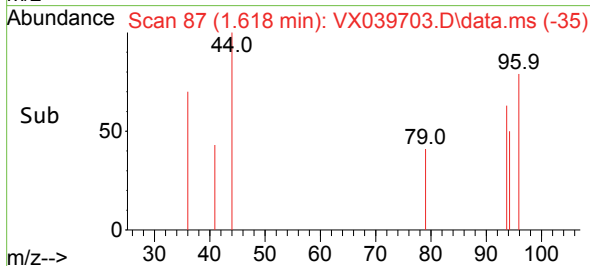
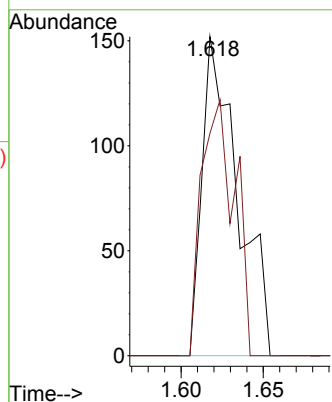
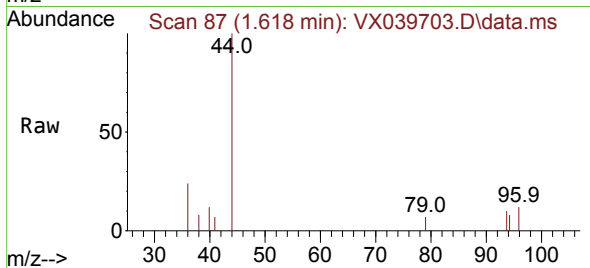




#5
Bromomethane
Concen: 0.334 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX039703.D
Acq: 10 Jan 2024 14:33

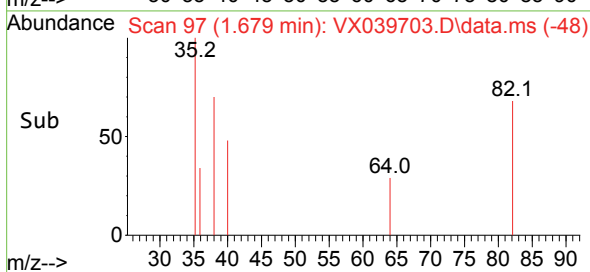
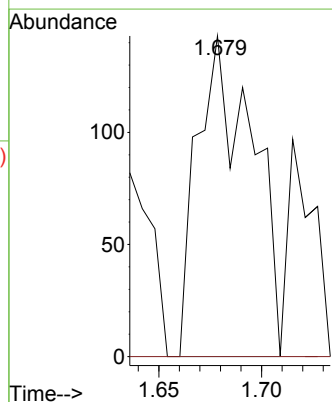
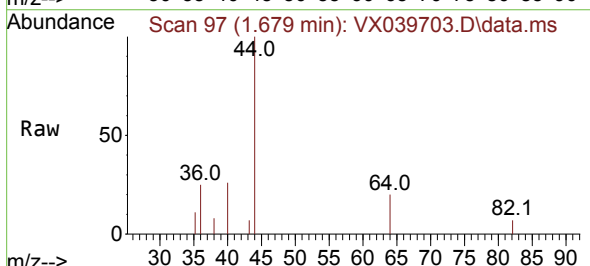
Instrument :
MSVOA_X
ClientSampleId :
VX0110WBL01

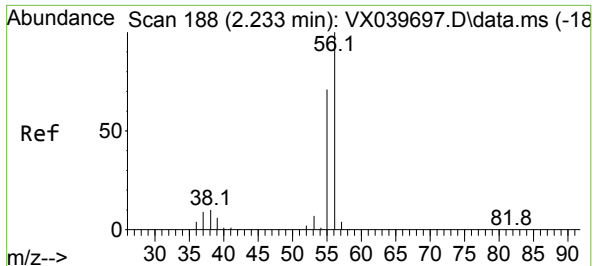
Tgt Ion: 94 Resp: 228
Ion Ratio Lower Upper
94 100
96 69.7 74.6 111.8#



#6
Chloroethane
Concen: 0.393 ug/l
RT: 1.679 min Scan# 97
Delta R.T. 0.000 min
Lab File: VX039703.D
Acq: 10 Jan 2024 14:33

Tgt Ion: 64 Resp: 267
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

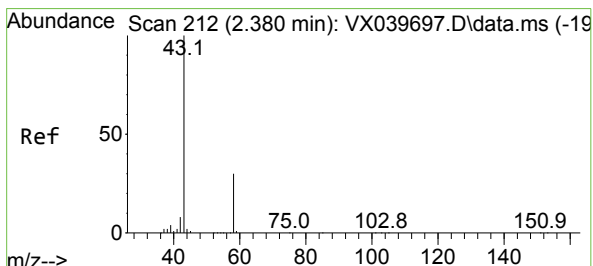
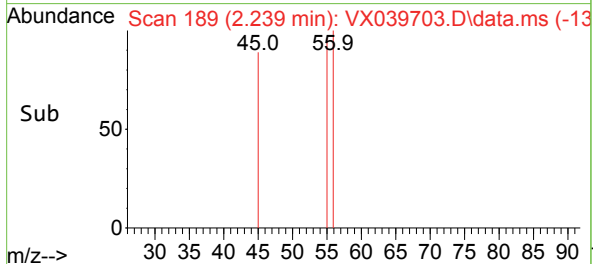
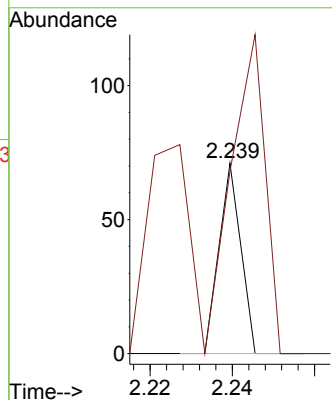
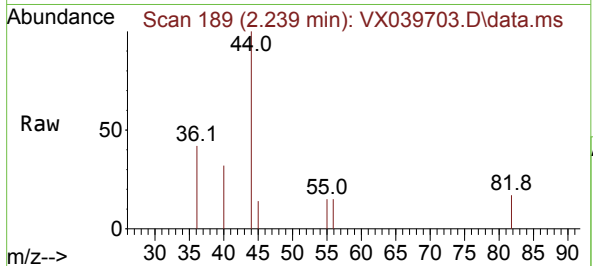




#13
Acrolein
Concen: Below Cal
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039703.D
Acq: 10 Jan 2024 14:33

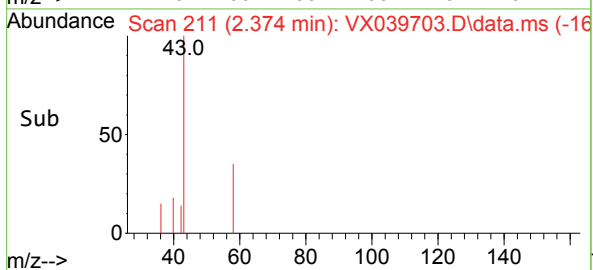
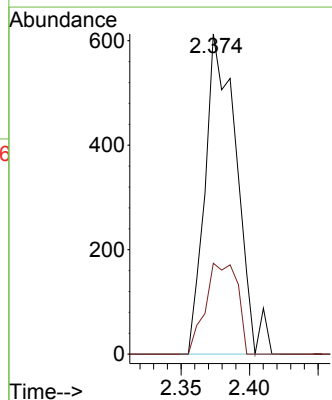
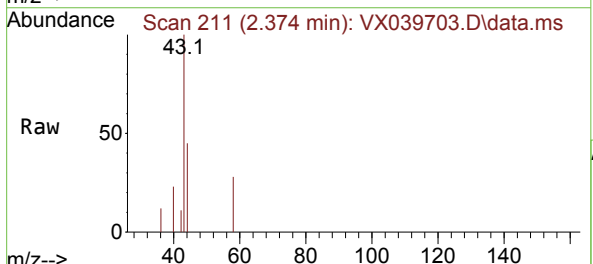
Instrument :
MSVOA_X
ClientSampleId :
VX0110WBL01

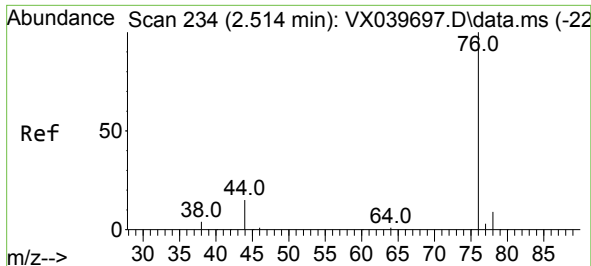
Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 261.5 57.1 85.7#



#16
Acetone
Concen: 1.213 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX039703.D
Acq: 10 Jan 2024 14:33

Tgt Ion: 43 Resp: 980
Ion Ratio Lower Upper
43 100
58 28.4 21.9 32.9





#17

Carbon Disulfide

Concen: 0.690 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX039703.D

Acq: 10 Jan 2024 14:33

Instrument :

MSVOA_X

ClientSampleId :

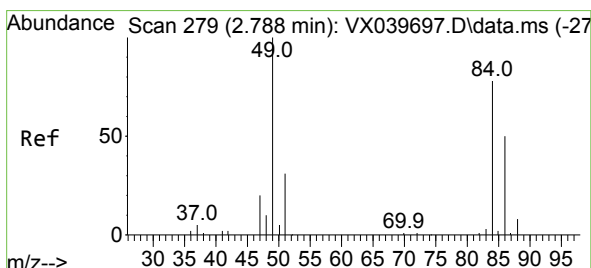
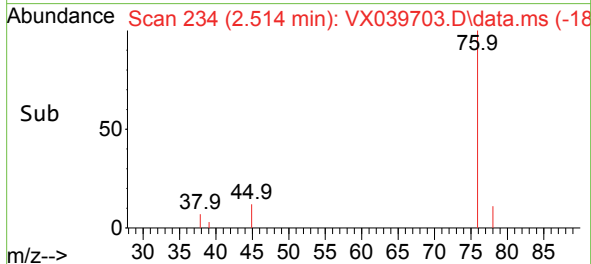
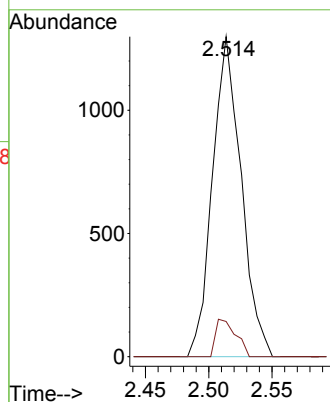
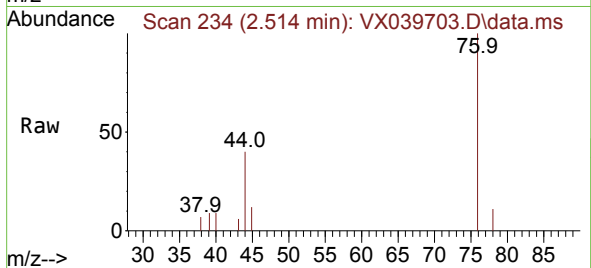
VX0110WBL01

Tgt Ion: 76 Resp: 2046

Ion Ratio Lower Upper

76 100

78 11.0 7.0 10.6#



#20

Methylene Chloride

Concen: 0.379 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX039703.D

Acq: 10 Jan 2024 14:33

Tgt Ion: 84 Resp: 463

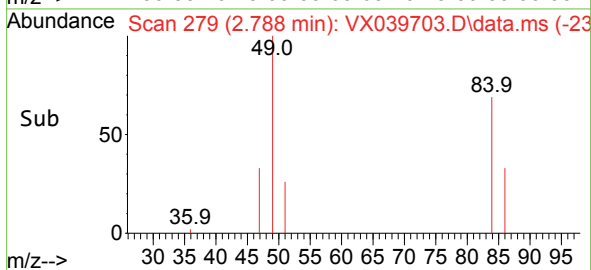
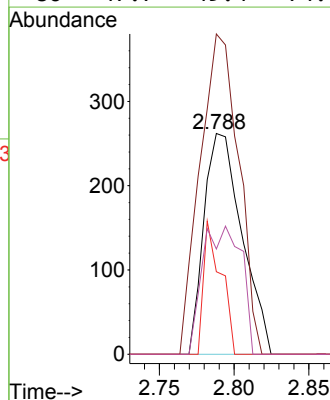
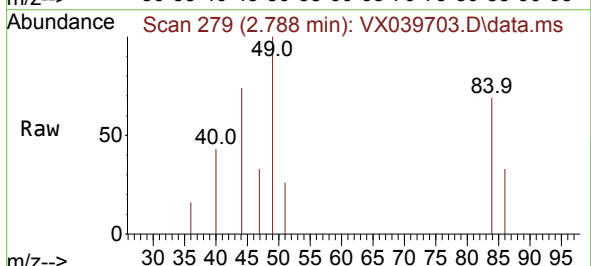
Ion Ratio Lower Upper

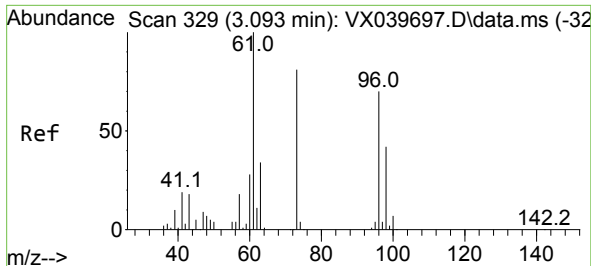
84 100

49 145.0 103.6 155.4

51 37.4 33.8 50.6

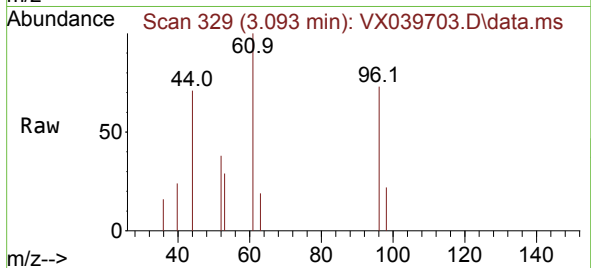
86 47.7 49.4 74.0#



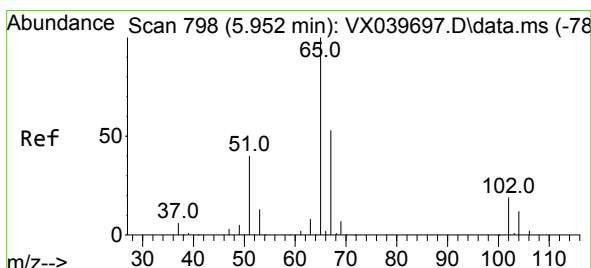
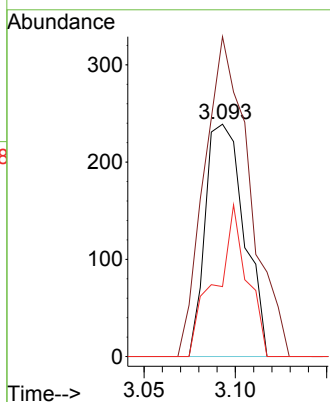
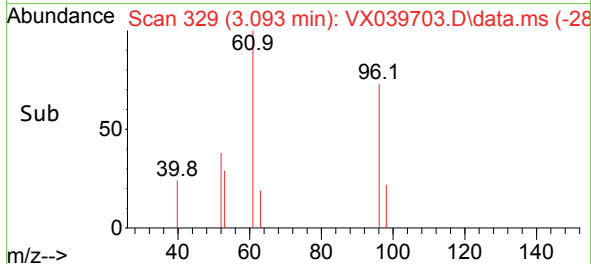


#21
trans-1,2-Dichloroethene
Concen: 0.327 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX039703.D
Acq: 10 Jan 2024 14:33

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBL01

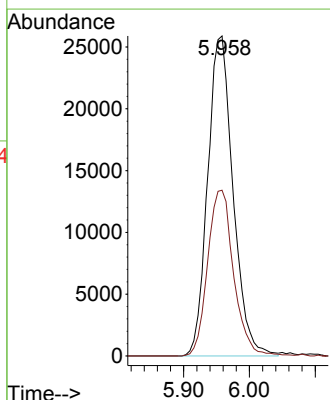
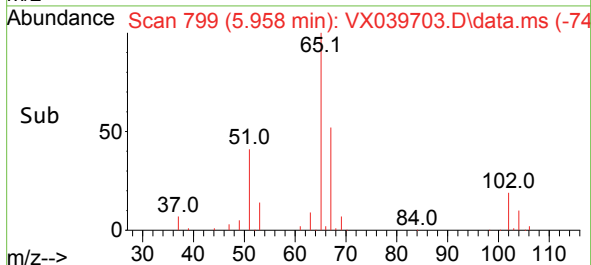
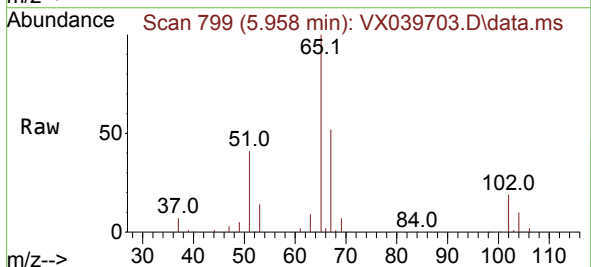


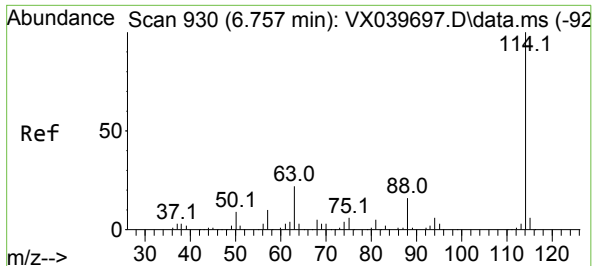
Tgt Ion: 96 Resp: 355
Ion Ratio Lower Upper
96 100
61 137.7 119.2 178.8
98 30.1 48.7 73.1#



#33
1,2-Dichloroethane-d4
Concen: 48.428 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX039703.D
Acq: 10 Jan 2024 14:33

Tgt Ion: 65 Resp: 69551
Ion Ratio Lower Upper
65 100
67 53.0 0.0 100.2

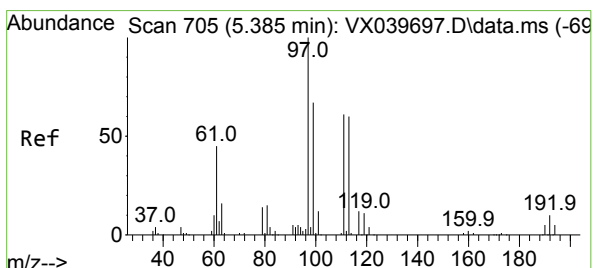
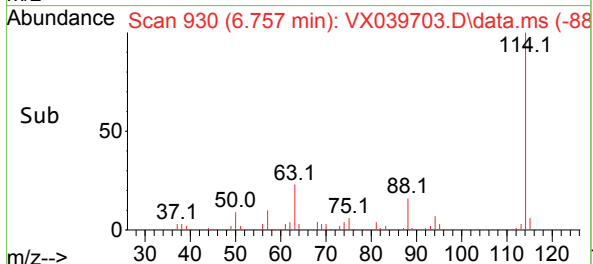
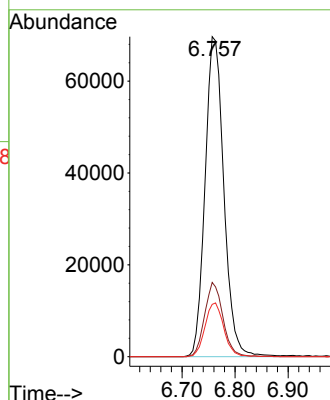
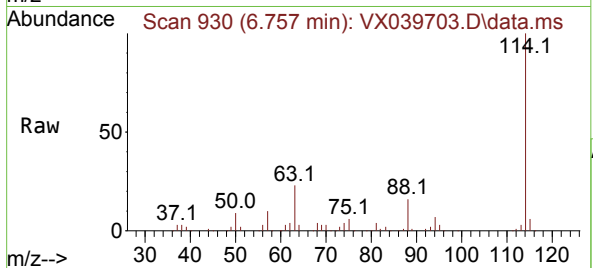




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX039703.D
Acq: 10 Jan 2024 14:33

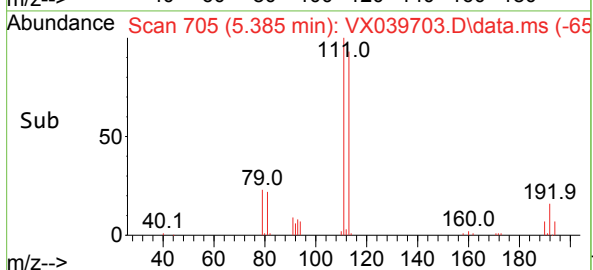
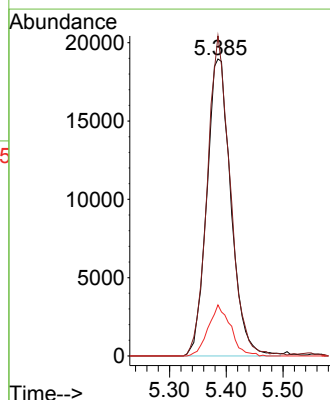
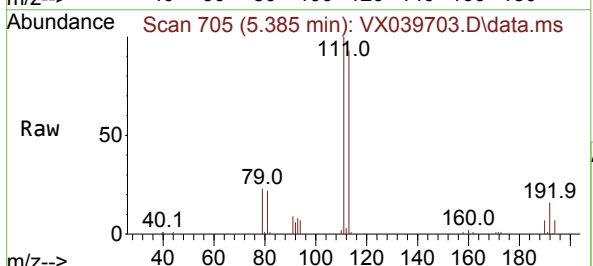
Instrument :
MSVOA_X
ClientSampleId :
VX0110WBL01

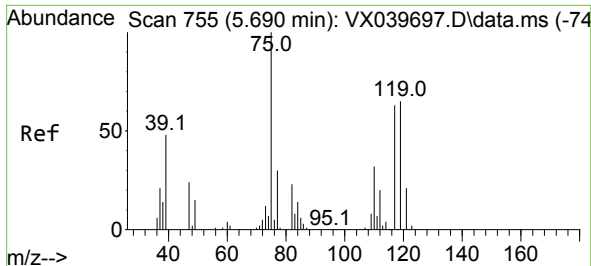
Tgt Ion:114 Resp: 171427
Ion Ratio Lower Upper
114 100
63 23.2 0.0 45.0
88 16.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.545 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039703.D
Acq: 10 Jan 2024 14:33

Tgt Ion:113 Resp: 56052
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 16.0 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.588 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX039703.D

Acq: 10 Jan 2024 14:33

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBL01

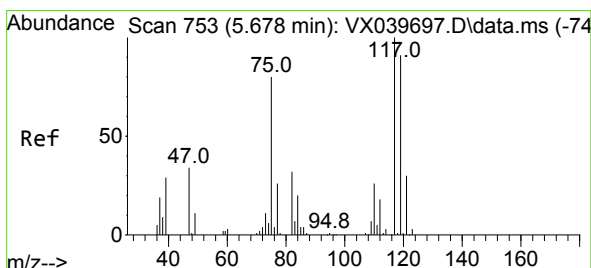
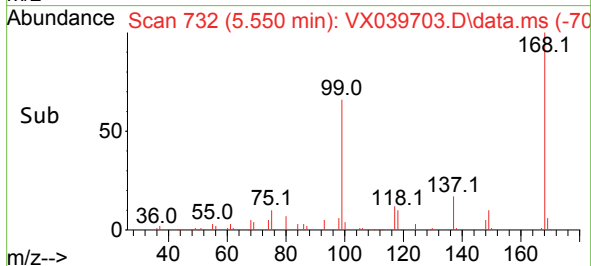
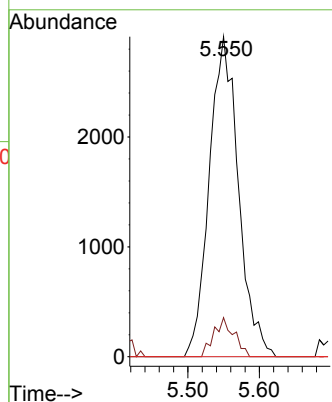
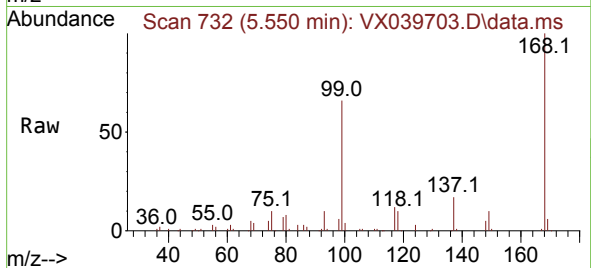
Tgt Ion: 75 Resp: 8245

Ion Ratio Lower Upper

75 100

110 8.4 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.826 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX039703.D

Acq: 10 Jan 2024 14:33

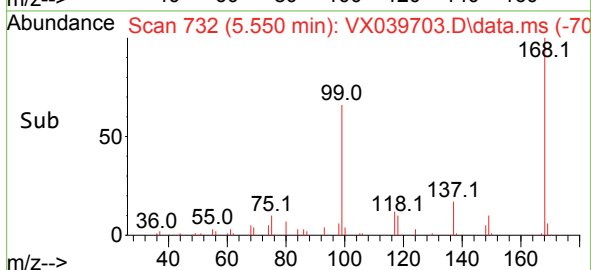
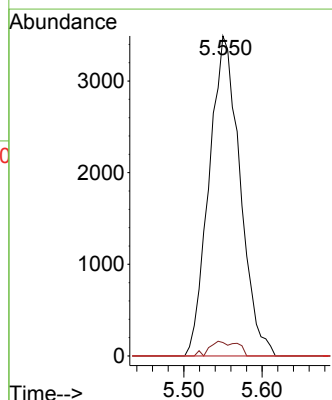
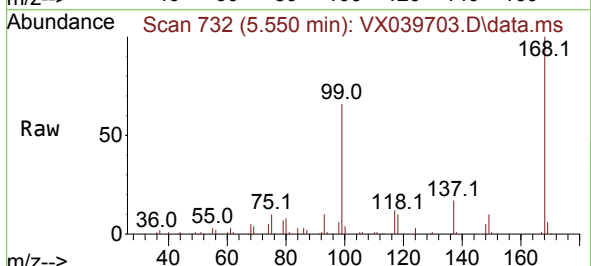
Tgt Ion: 117 Resp: 9590

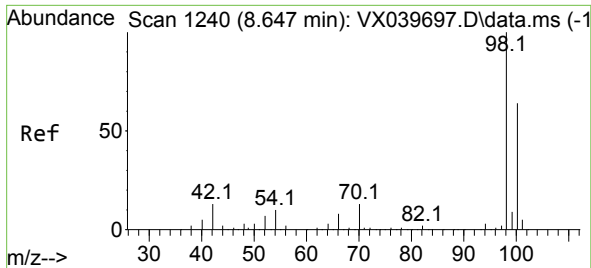
Ion Ratio Lower Upper

117 100

119 4.2 78.2 117.2#

121 0.0 24.4 36.6#

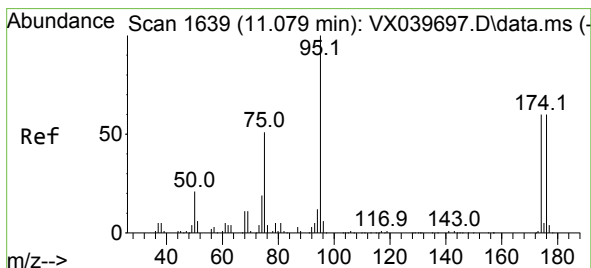
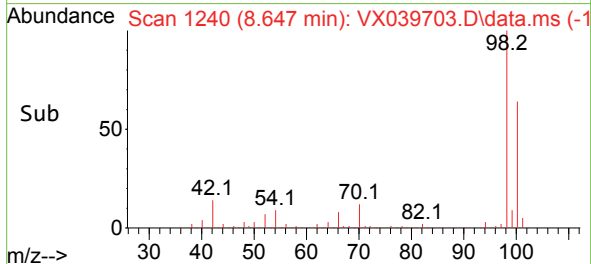
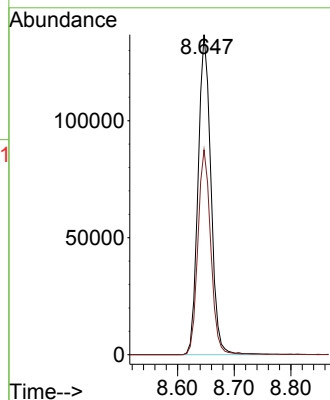
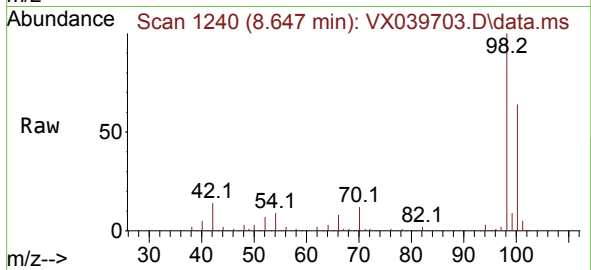




#50
Toluene-d8
Concen: 49.333 ug/l
RT: 8.647 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VX039703.D
Acq: 10 Jan 2024 14:33

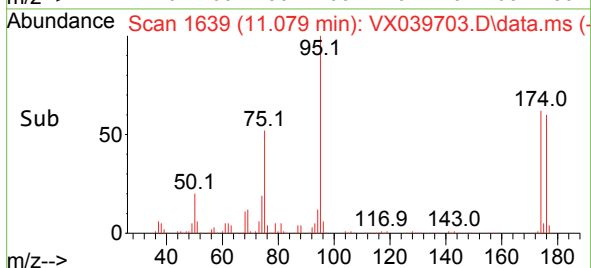
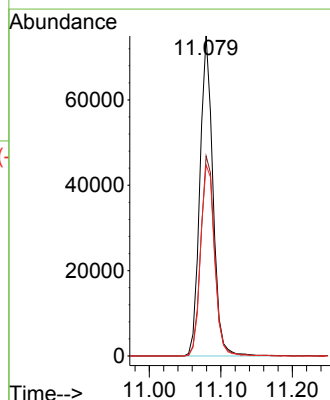
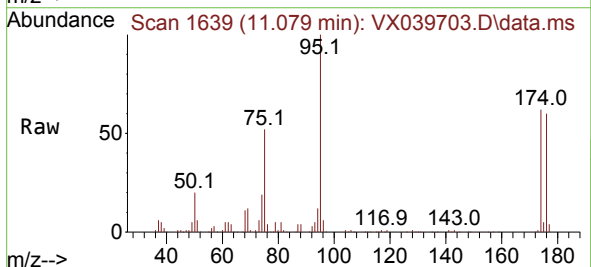
Instrument :
MSVOA_X
ClientSampleId :
VX0110WBL01

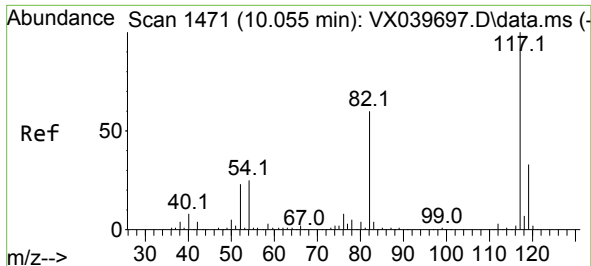
Tgt Ion: 98 Resp: 214835
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 55.617 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039703.D
Acq: 10 Jan 2024 14:33

Tgt Ion: 95 Resp: 94711
Ion Ratio Lower Upper
95 100
174 66.0 0.0 135.6
176 63.8 0.0 131.0

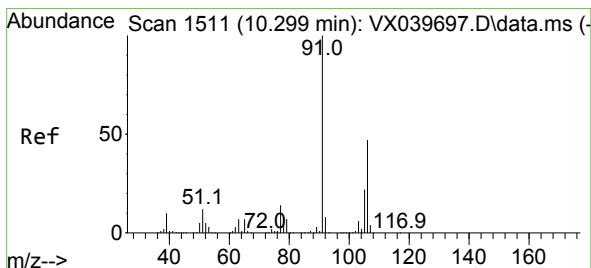
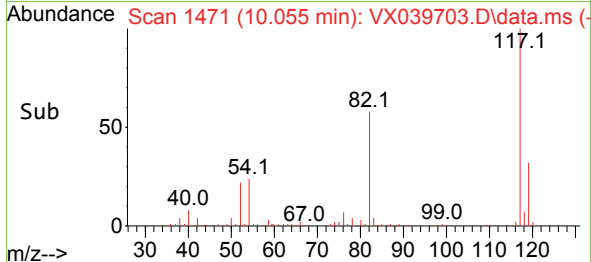
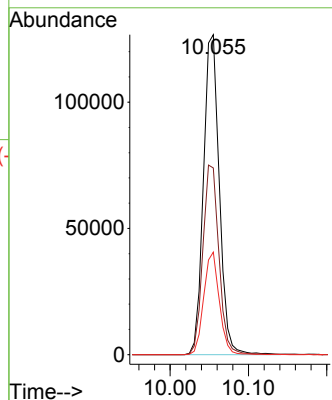
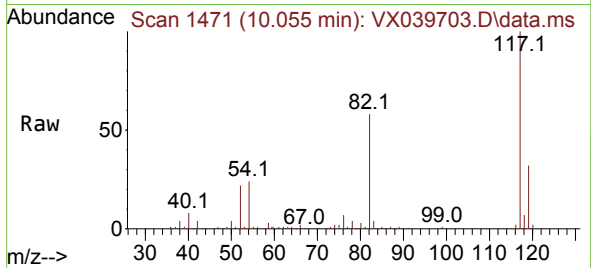




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039703.D
Acq: 10 Jan 2024 14:33

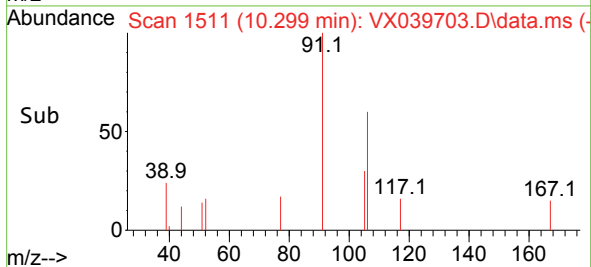
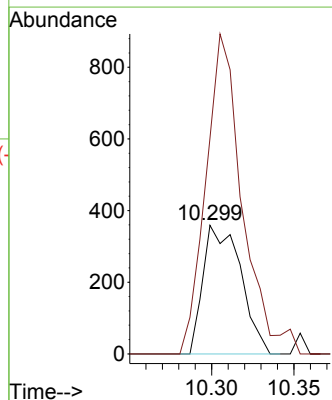
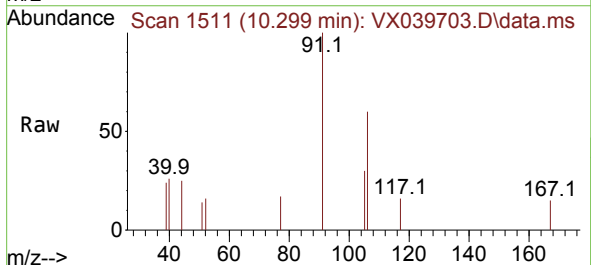
Instrument :
MSVOA_X
ClientSampleId :
VX0110WBL01

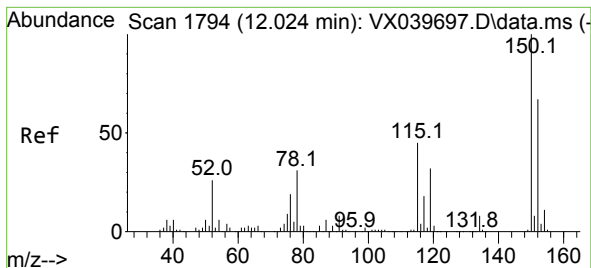
Tgt Ion:117 Resp: 178281
Ion Ratio Lower Upper
117 100
82 58.3 46.2 69.4
119 32.0 25.5 38.3



#68
m/p-Xylenes
Concen: 0.224 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX039703.D
Acq: 10 Jan 2024 14:33

Tgt Ion:106 Resp: 569
Ion Ratio Lower Upper
106 100
91 242.0 165.5 248.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039703.D

Acq: 10 Jan 2024 14:33

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBL01

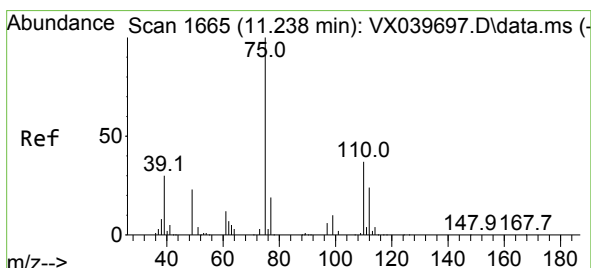
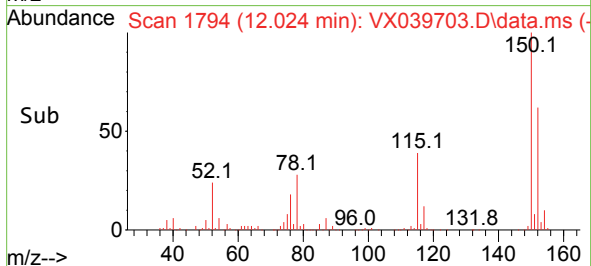
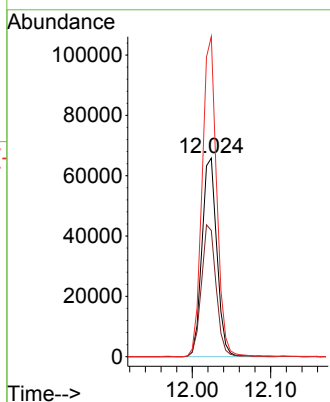
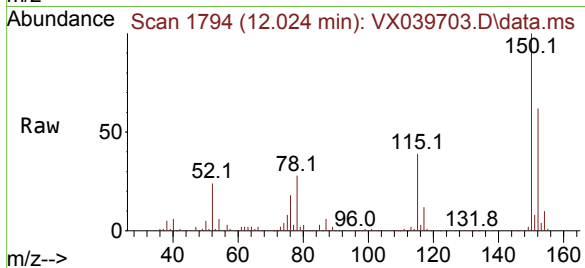
Tgt Ion:152 Resp: 87351

Ion Ratio Lower Upper

152 100

115 65.5 43.3 129.9

150 156.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.746 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039703.D

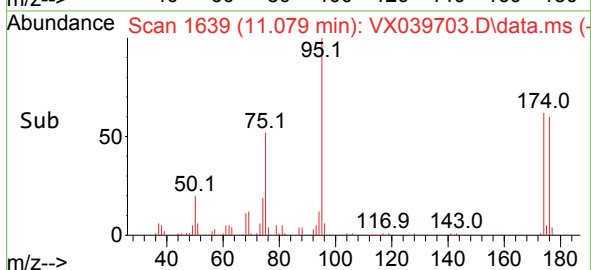
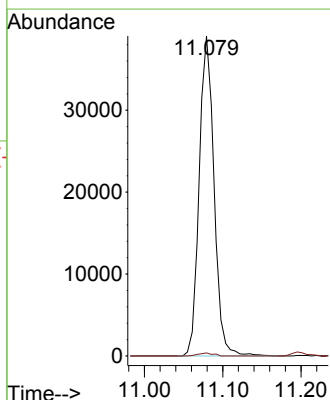
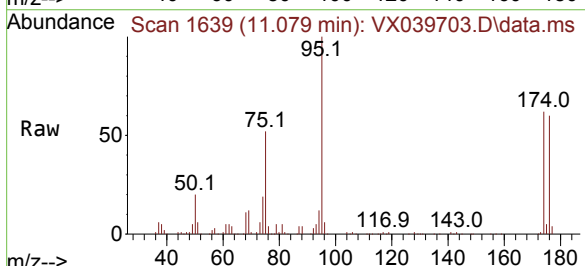
Acq: 10 Jan 2024 14:33

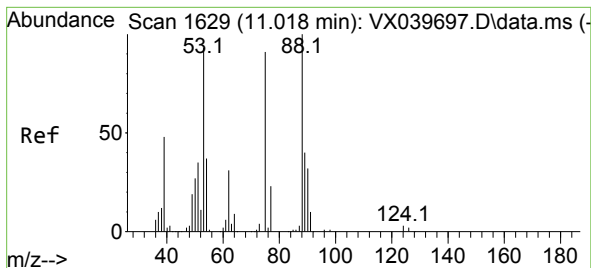
Tgt Ion: 75 Resp: 51513

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#

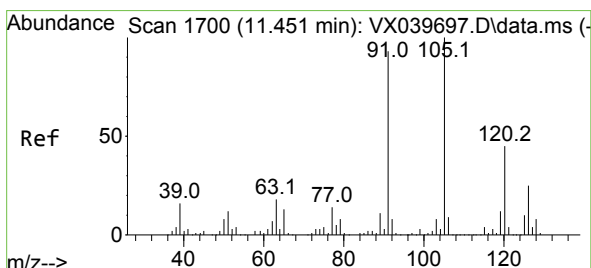
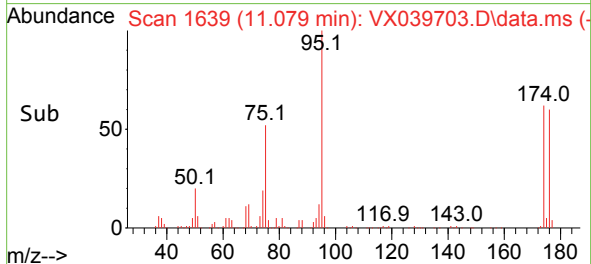
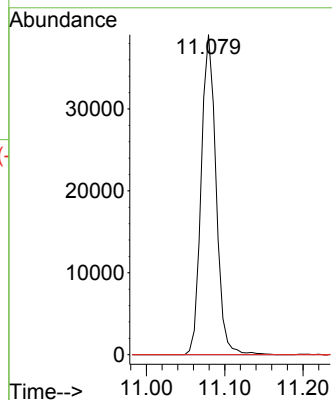
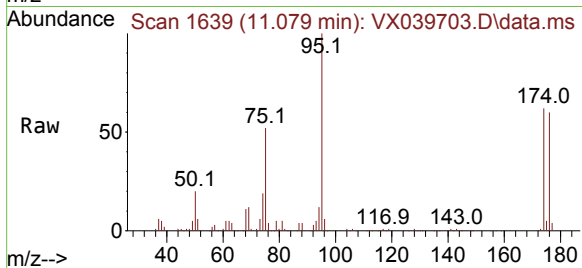




#81
trans-1,4-Dichloro-2-butene
Concen: 65.767 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039703.D
Acq: 10 Jan 2024 14:33

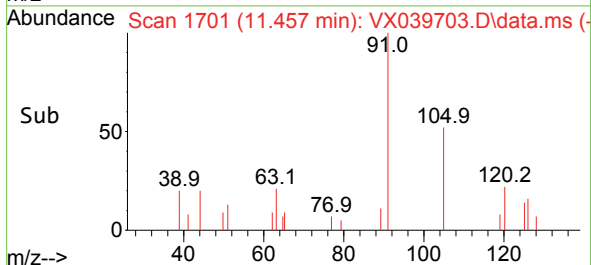
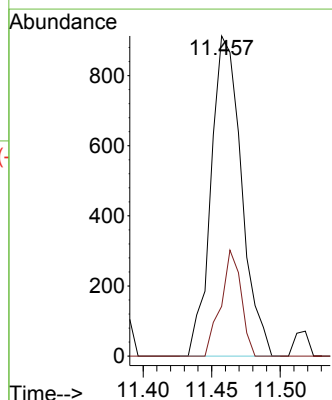
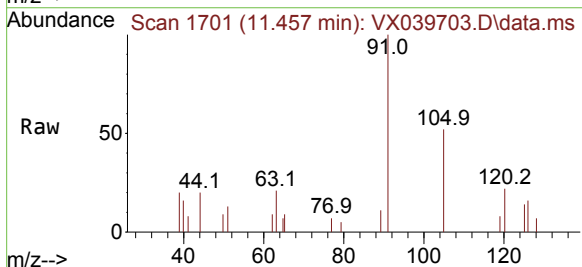
Instrument :
MSVOA_X
ClientSampleId :
VX0110WBL01

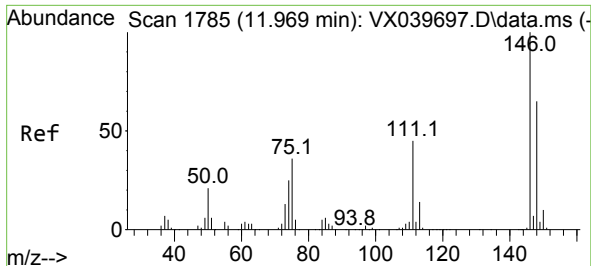
Tgt Ion: 75 Resp: 51513
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.239 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX039703.D
Acq: 10 Jan 2024 14:33

Tgt Ion: 91 Resp: 1411
Ion Ratio Lower Upper
91 100
126 21.9 14.2 42.6





#87

1,3-Dichlorobenzene

Concen: 0.313 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX039703.D

Acq: 10 Jan 2024 14:33

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBL01

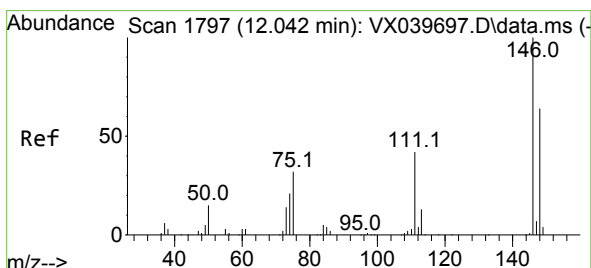
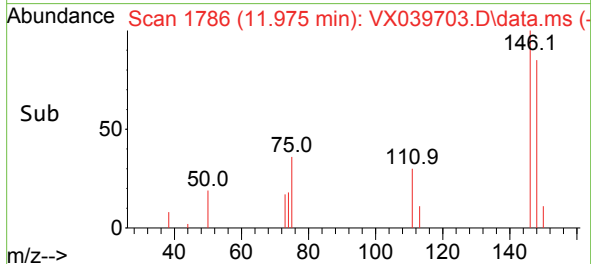
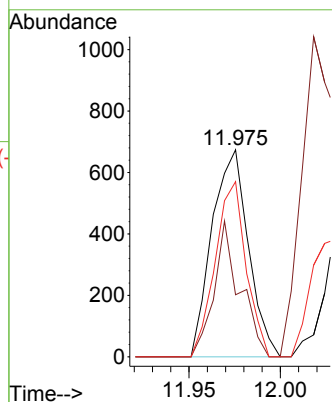
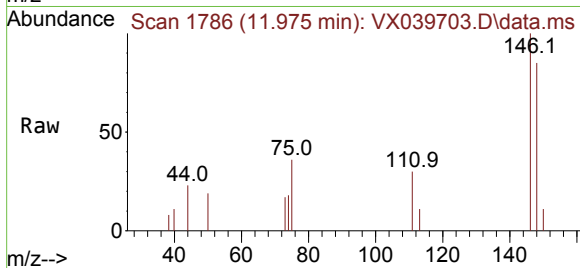
Tgt Ion:146 Resp: 929

Ion Ratio Lower Upper

146 100

111 46.8 22.1 66.1

148 72.1 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.303 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX039703.D

Acq: 10 Jan 2024 14:33

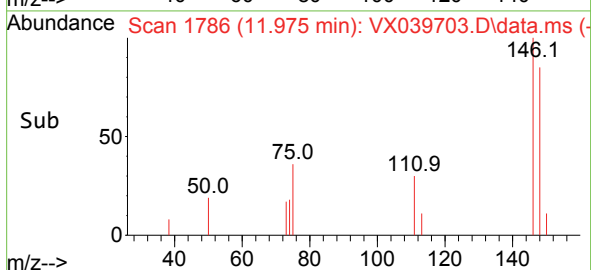
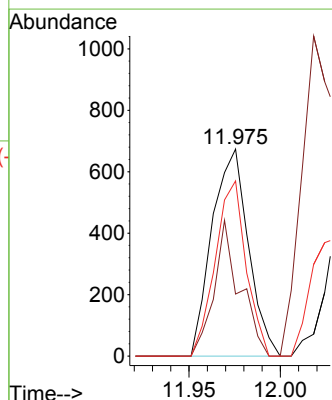
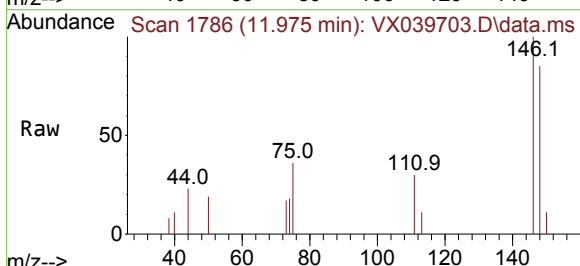
Tgt Ion:146 Resp: 929

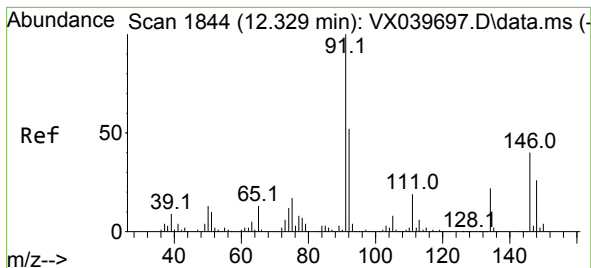
Ion Ratio Lower Upper

146 100

111 46.8 21.3 63.7

148 72.1 31.8 95.4





#89

n-Butylbenzene

Concen: 0.357 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX039703.D

Acq: 10 Jan 2024 14:33

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBL01

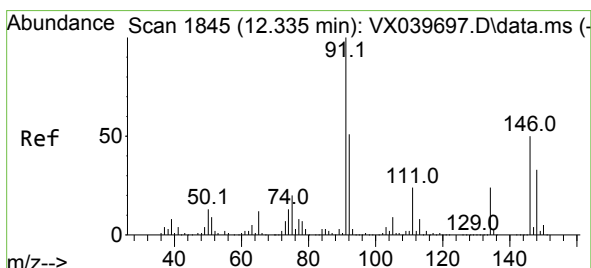
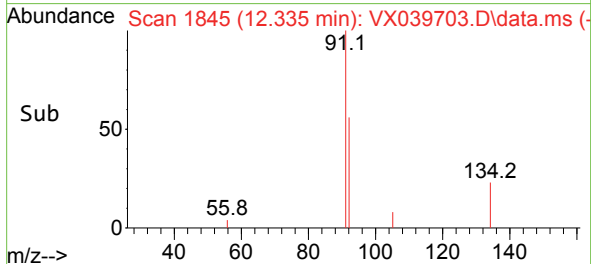
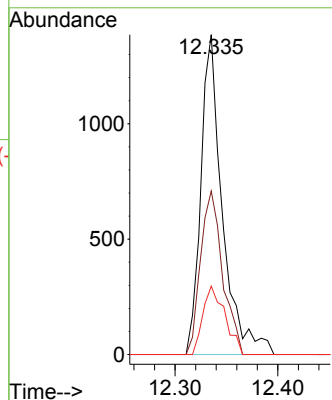
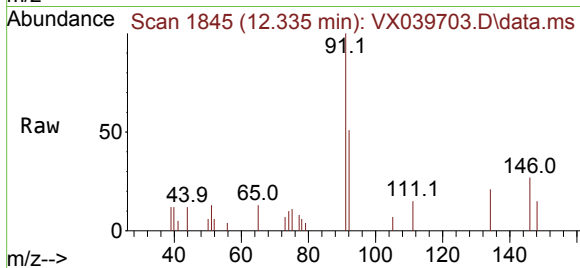
Tgt Ion: 91 Resp: 2016

Ion Ratio Lower Upper

91 100

92 52.4 27.4 82.0

134 21.9 12.6 37.8



#91

1,2-Dichlorobenzene

Concen: 0.214 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX039703.D

Acq: 10 Jan 2024 14:33

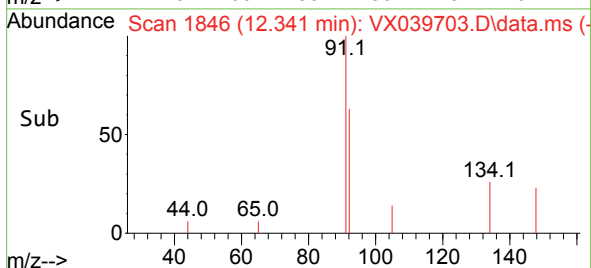
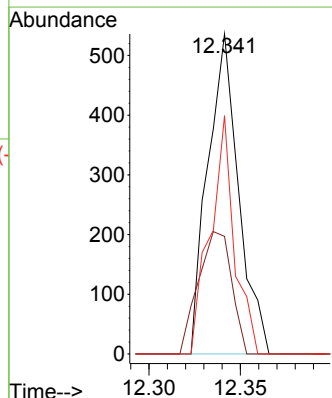
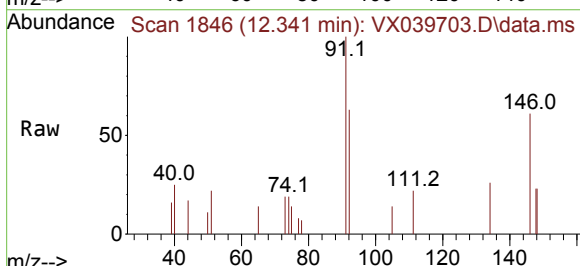
Tgt Ion: 146 Resp: 628

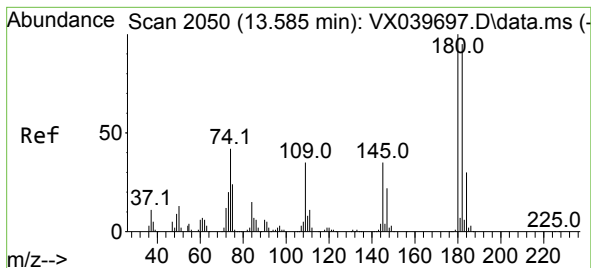
Ion Ratio Lower Upper

146 100

111 41.2 22.4 67.0

148 58.3 31.6 95.0





#93

1,2,4-Trichlorobenzene

Concen: 0.649 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX039703.D

Acq: 10 Jan 2024 14:33

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBL01

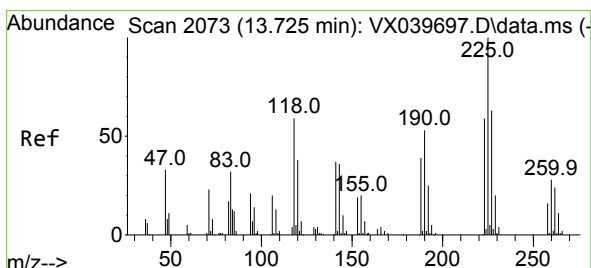
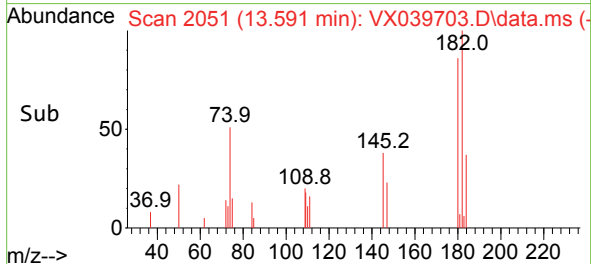
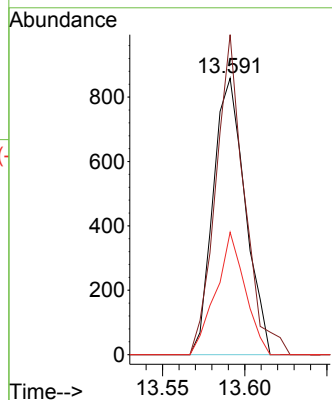
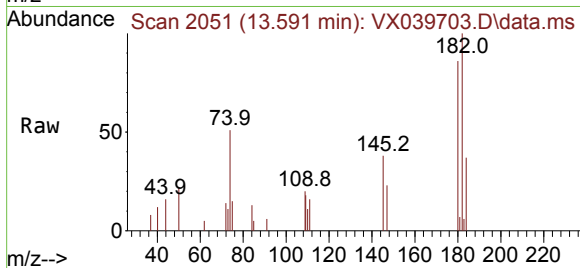
Tgt Ion:180 Resp: 1163

Ion Ratio Lower Upper

180 100

182 103.2 48.3 144.8

145 40.3 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.594 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX039703.D

Acq: 10 Jan 2024 14:33

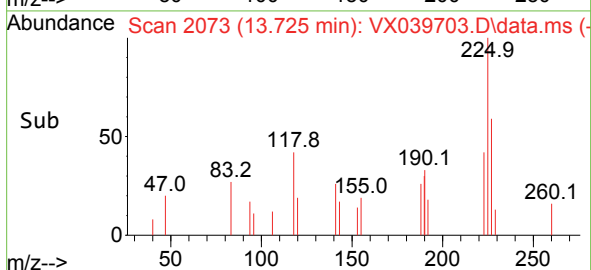
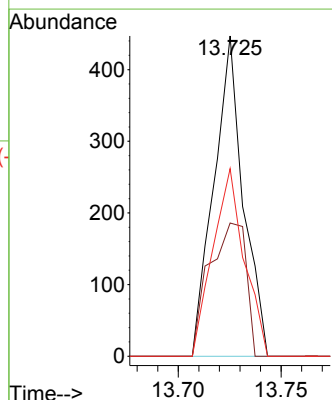
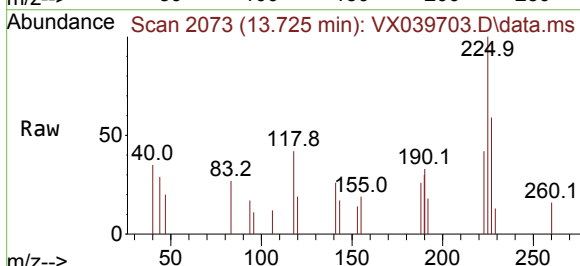
Tgt Ion:225 Resp: 443

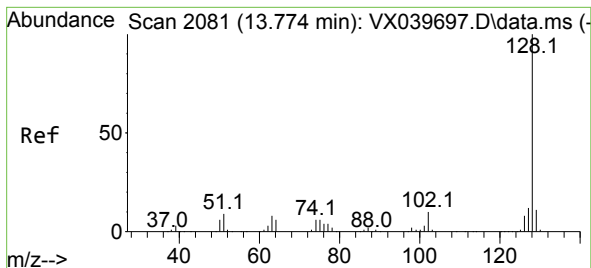
Ion Ratio Lower Upper

225 100

223 51.9 31.1 93.2

227 63.0 32.5 97.5





#95

Naphthalene

Concen: 0.499 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX039703.D

Acq: 10 Jan 2024 14:33

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBL01

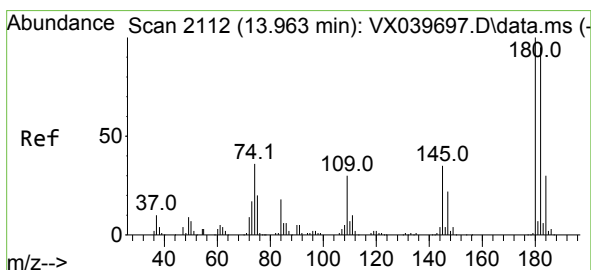
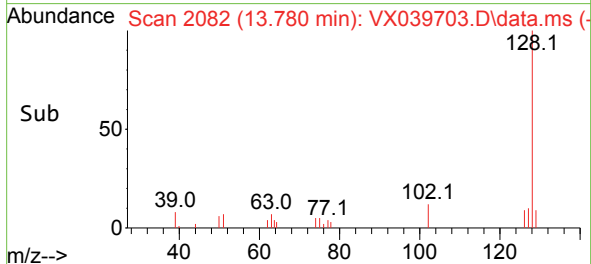
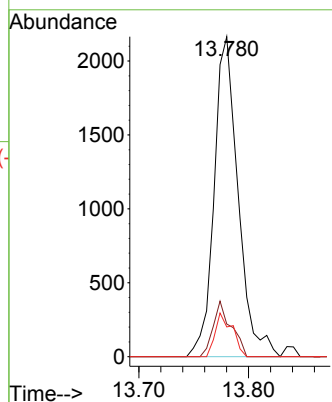
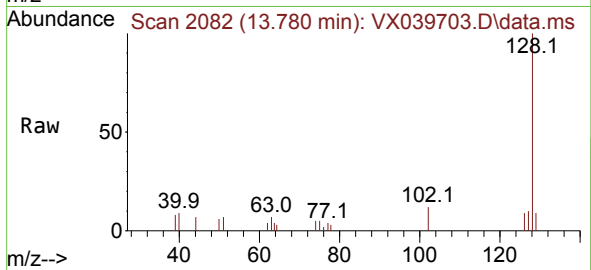
Tgt Ion:128 Resp: 3295

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 9.7 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.559 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX039703.D

Acq: 10 Jan 2024 14:33

Tgt Ion:180 Resp: 1012

Ion Ratio Lower Upper

180 100

182 94.4 46.9 140.6

145 42.8 17.8 53.5

