

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061824\
 Data File : VX041923.D
 Acq On : 18 Jun 2024 15:12
 Operator : JC/MD
 Sample : P2928-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-196-GW-520-522

Quant Time: Jun 19 08:11:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 19 07:57:22 2024
 Response via : Initial Calibration

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

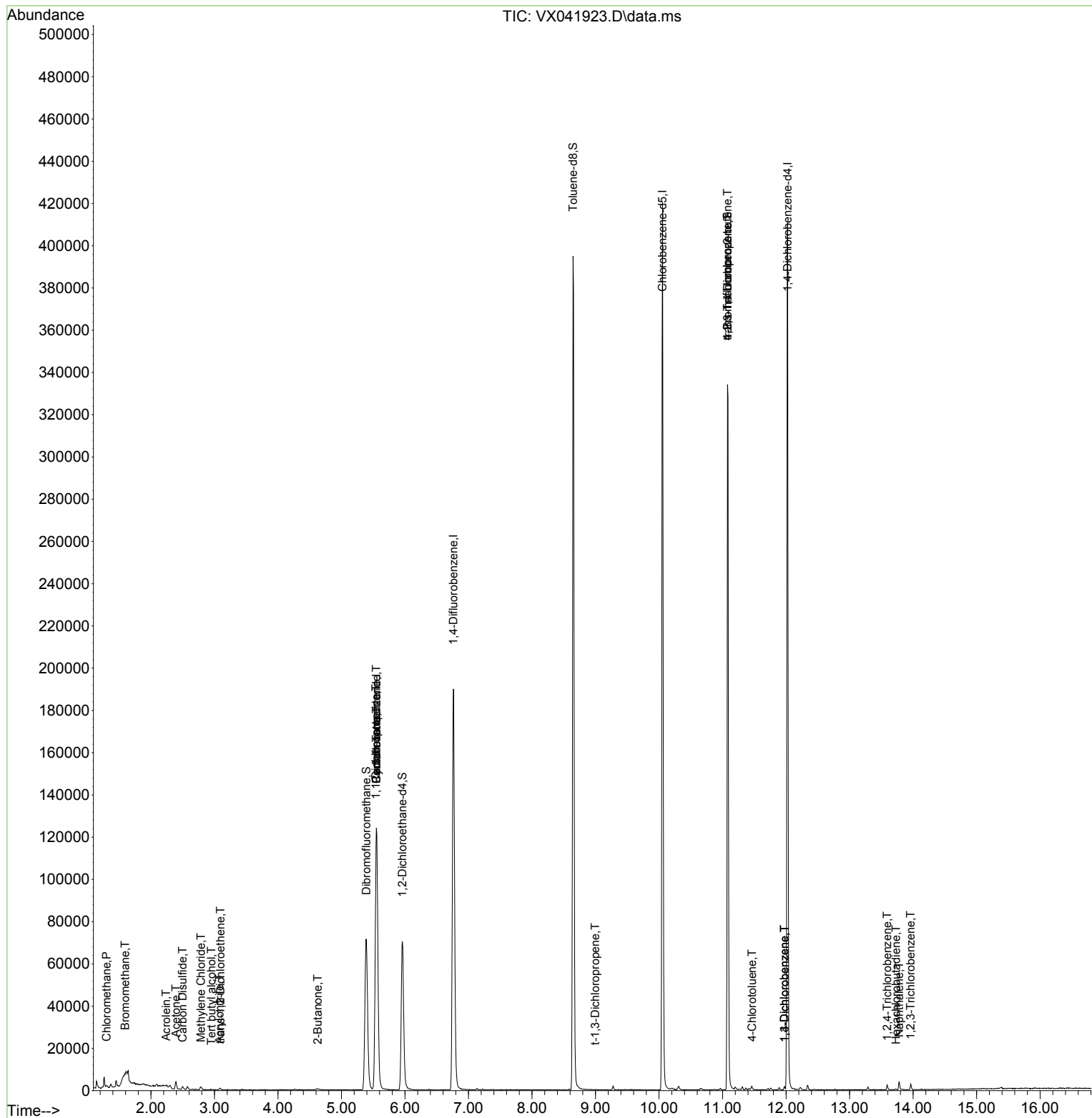
Internal Standards						
1) Pentafluorobenzene	5.550	168	139514	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	211312	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68224	42.407	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.820%
35) Dibromofluoromethane	5.391	113	64875	43.268	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.540%
50) Toluene-d8	8.647	98	247040	46.900	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.800%
62) 4-Bromofluorobenzene	11.079	95	92384	47.579	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.160%
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	1281	0.961	ug/l	95
5) Bromomethane	1.593	94	335	0.508	ug/l	93
6) Chloroethane	1.660	64	213	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	101	0.331	ug/l	# 78
13) Acrolein	2.239	56	231	0.675	ug/l	# 64
15) Acrylonitrile	3.081	53	336	0.421	ug/l	# 61
16) Acetone	2.392	43	3702	5.241	ug/l	# 84
17) Carbon Disulfide	2.495	76	1939	0.790	ug/l	# 94
20) Methylene Chloride	2.788	84	766	0.495	ug/l	# 81
21) trans-1,2-Dichloroethene	3.093	96	245	0.201	ug/l	# 60
25) 2-Butanone	4.623	43	805	0.732	ug/l	# 51
31) Cyclohexane	5.550	56	1985	1.055	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	8193	5.146	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	11570	6.577	ug/l	# 16
53) t-1,3-Dichloropropene	8.994	75	86	0.938	ug/l	# 43
76) 1,2,3-Trichloropropane	11.079	75	41656	22.988	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	41656	65.283	ug/l	# 5
82) 4-Chlorotoluene	11.463	91	987	0.210	ug/l	99
87) 1,3-Dichlorobenzene	11.976	146	833	0.262	ug/l	87
88) 1,4-Dichlorobenzene	11.976	146	833	0.256	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	914	0.429	ug/l	93
94) Hexachlorobutadiene	13.731	225	216	0.201	ug/l	# 69
95) Naphthalene	13.780	128	3393	1.215	ug/l	95
96) 1,2,3-Trichlorobenzene	13.963	180	1008	0.449	ug/l	95

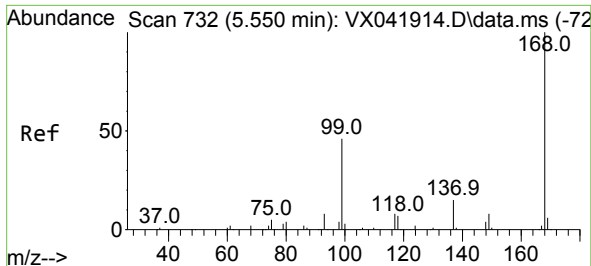
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
BP-VPB-196-GW-520-522

Quant Time: Jun 19 08:11:44 2024
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Quant Title : SW846 8260
QLast Update : Wed Jun 19 07:57:22 2024
Response via : Initial Calibration

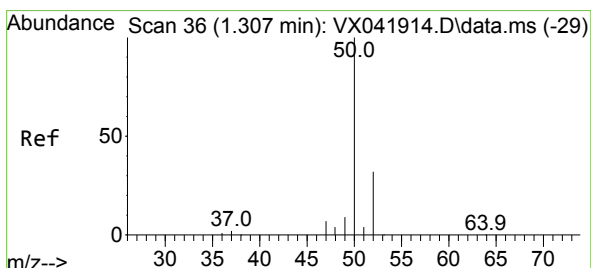
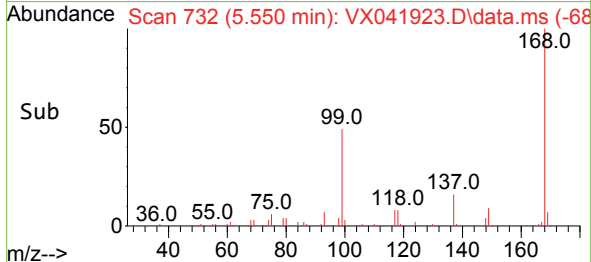
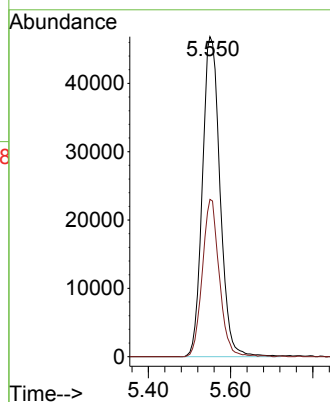
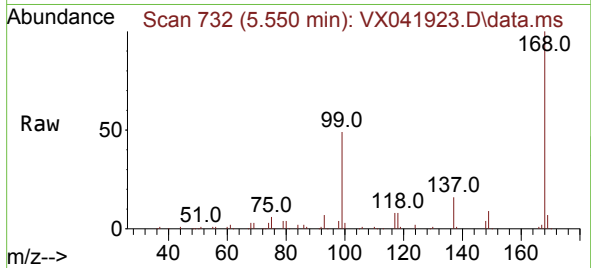




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041923.D
Acq: 18 Jun 2024 15:12

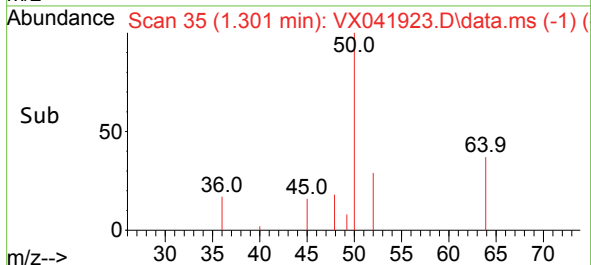
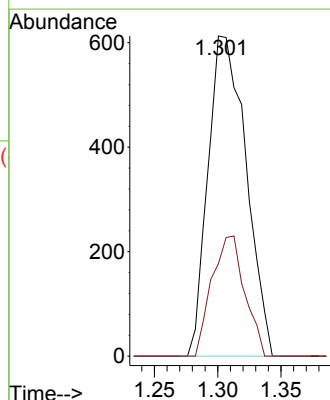
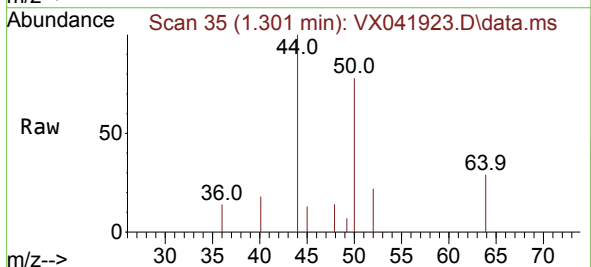
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-GW-520-522

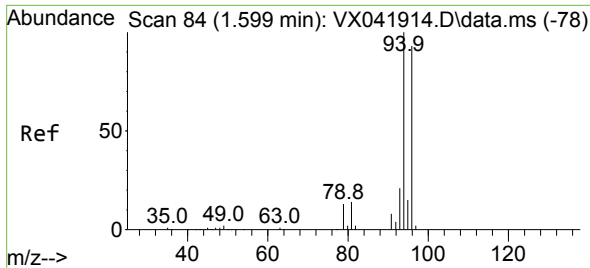
Tgt Ion:168 Resp: 139514
Ion Ratio Lower Upper
168 100
99 49.2 56.6 85.0#



#3
Chloromethane
Concen: 0.961 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX041923.D
Acq: 18 Jun 2024 15:12

Tgt Ion: 50 Resp: 1281
Ion Ratio Lower Upper
50 100
52 28.9 25.5 38.3





#5

Bromomethane

Concen: 0.508 ug/l

RT: 1.593 min Scan# 81

Delta R.T. -0.006 min

Lab File: VX041923.D

Acq: 18 Jun 2024 15:12

Instrument :

MSVOA_X

ClientSampleId :

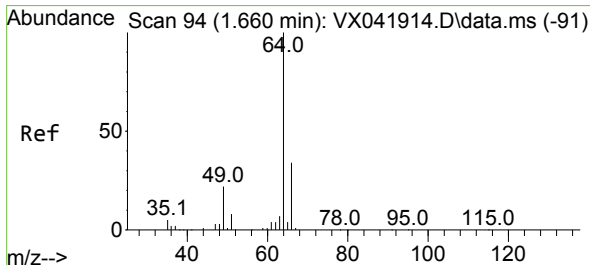
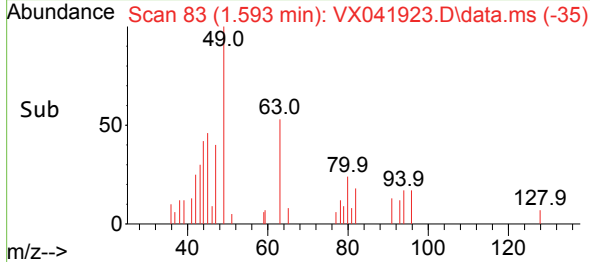
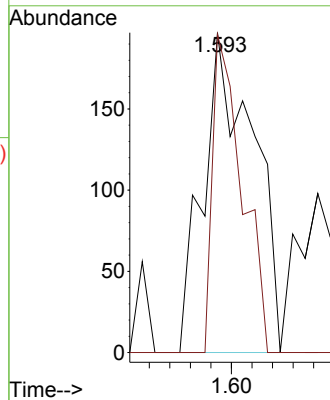
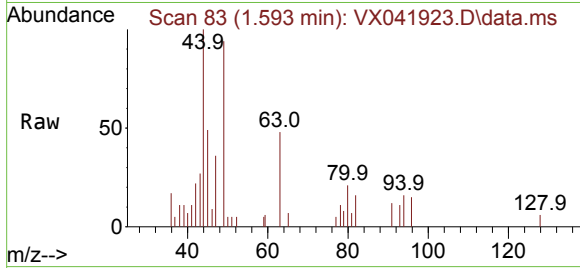
BP-VPB-196-GW-520-522

Tgt Ion: 94 Resp: 335

Ion Ratio Lower Upper

94 100

96 99.5 74.6 111.8



#6

Chloroethane

Concen: Below Cal

RT: 1.660 min Scan# 94

Delta R.T. 0.000 min

Lab File: VX041923.D

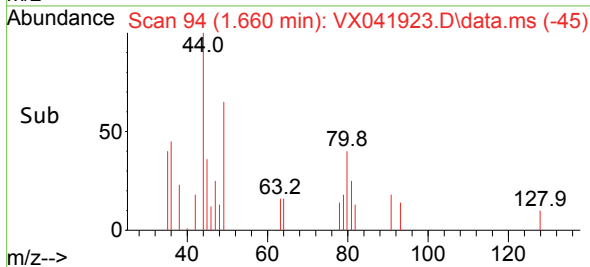
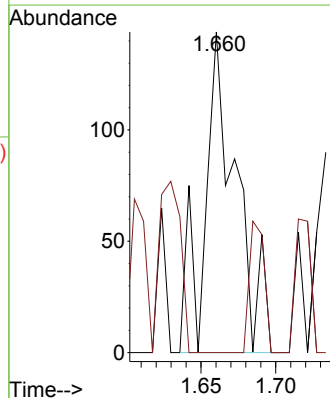
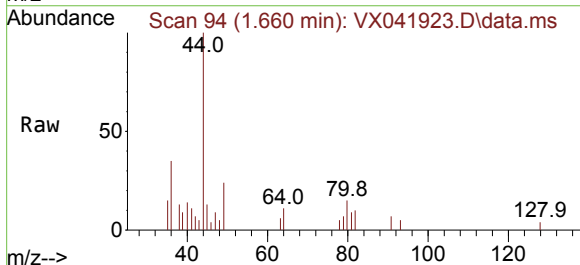
Acq: 18 Jun 2024 15:12

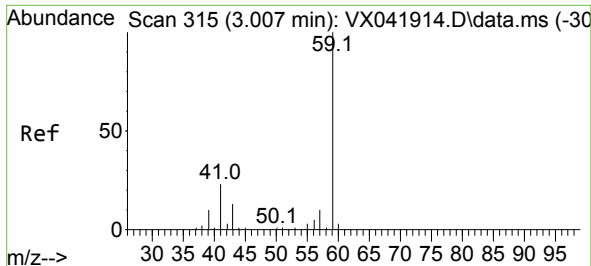
Tgt Ion: 64 Resp: 213

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#

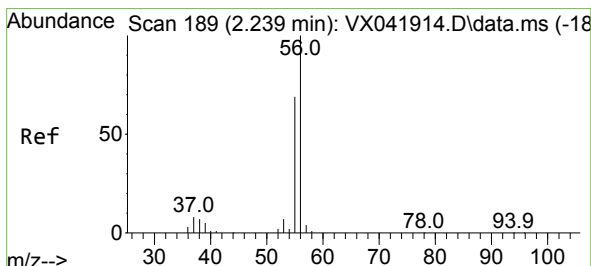
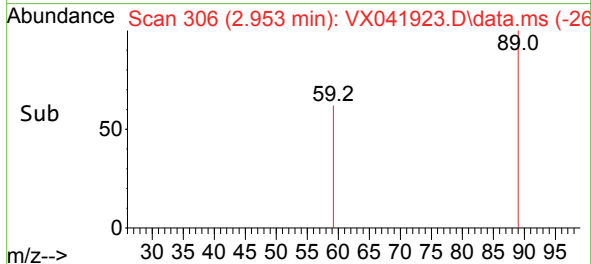
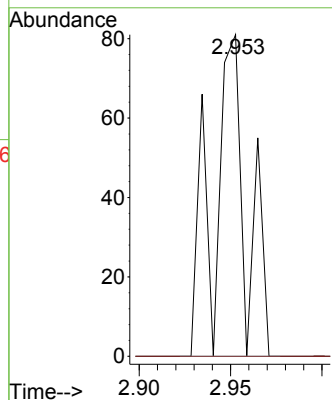
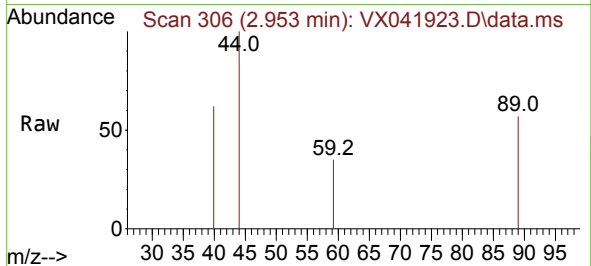




#11
Tert butyl alcohol
Concen: 0.331 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.055 min
Lab File: VX041923.D
Acq: 18 Jun 2024 15:12

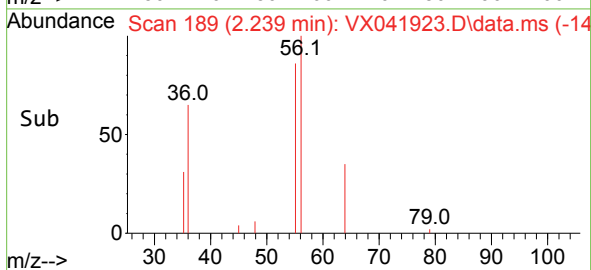
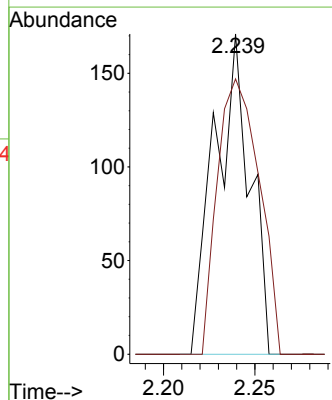
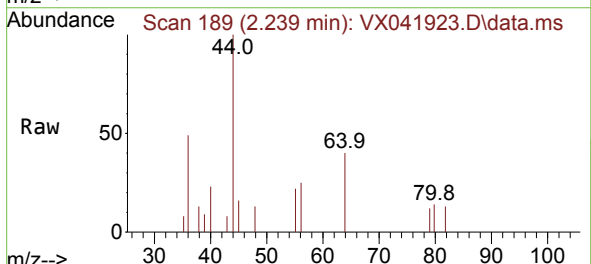
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-GW-520-522

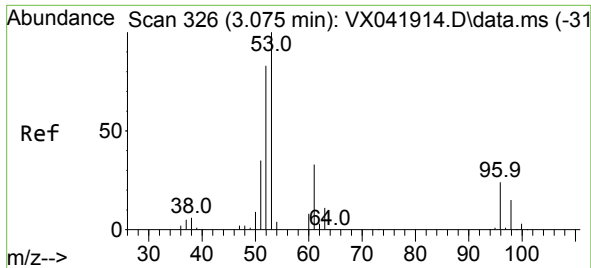
Tgt Ion: 59 Resp: 101
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.675 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX041923.D
Acq: 18 Jun 2024 15:12

Tgt Ion: 56 Resp: 231
Ion Ratio Lower Upper
56 100
55 101.3 57.1 85.7#

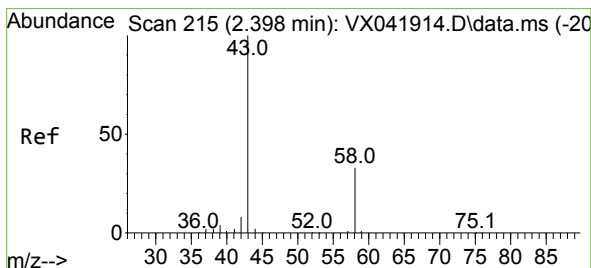
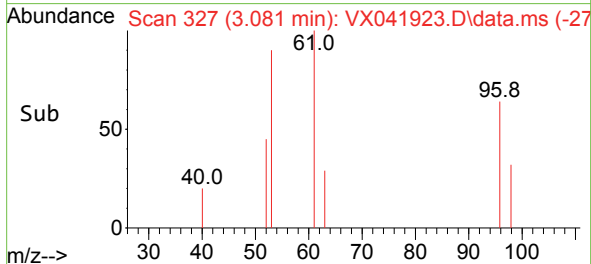
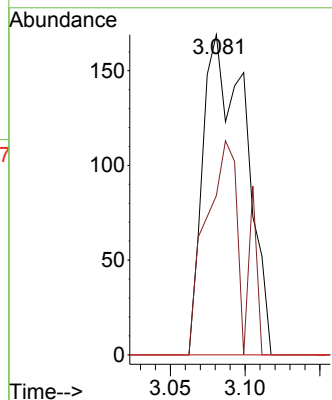
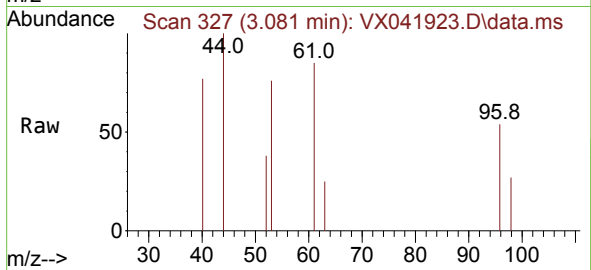




#15
Acrylonitrile
Concen: 0.421 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX041923.D
Acq: 18 Jun 2024 15:12

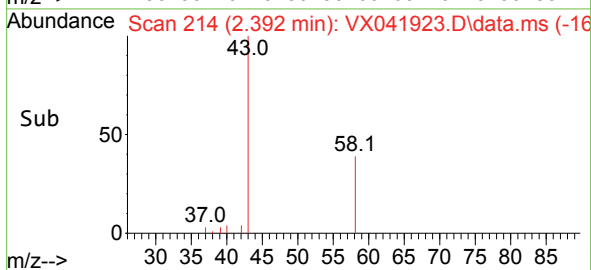
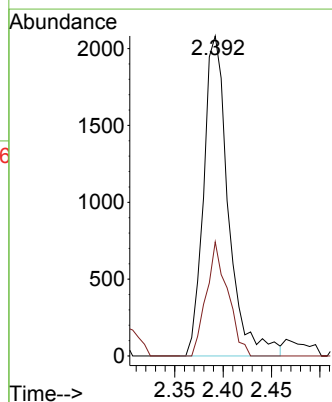
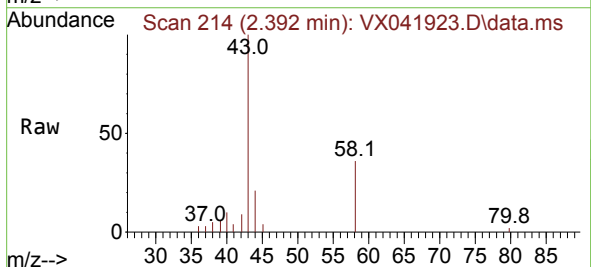
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-GW-520-522

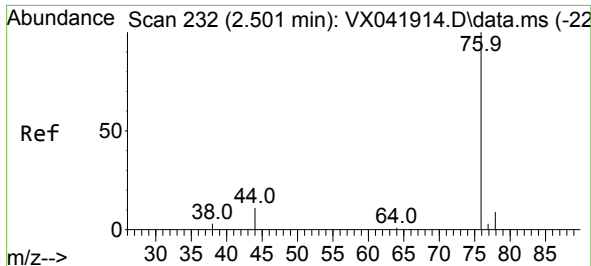
Tgt Ion: 53 Resp: 336
Ion Ratio Lower Upper
53 100
52 56.8 66.0 99.0#
51 0.0 29.8 44.6#



#16
Acetone
Concen: 5.241 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX041923.D
Acq: 18 Jun 2024 15:12

Tgt Ion: 43 Resp: 3702
Ion Ratio Lower Upper
43 100
58 35.7 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.790 ug/l

RT: 2.495 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX041923.D

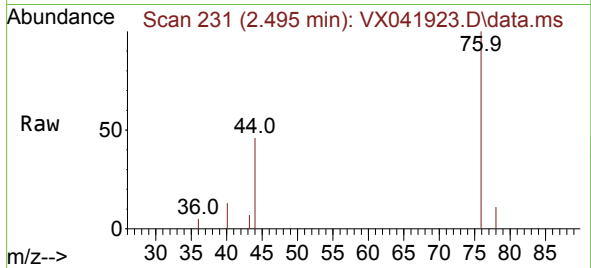
Acq: 18 Jun 2024 15:12

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-196-GW-520-522

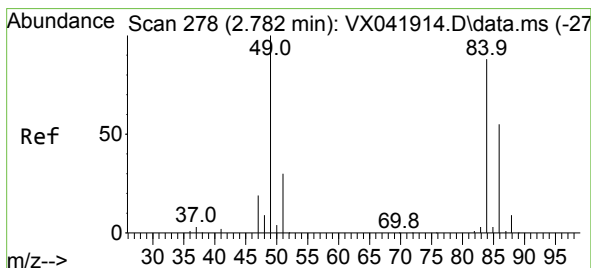
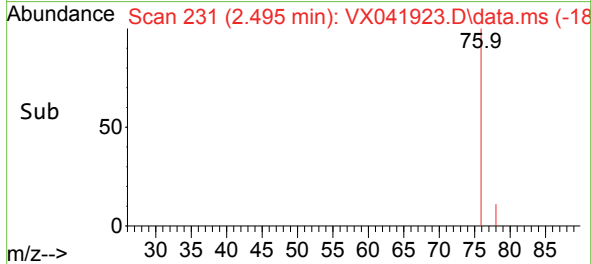
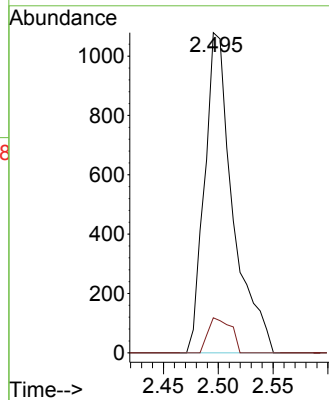


Tgt Ion: 76 Resp: 1939

Ion Ratio Lower Upper

76 100

78 10.9 7.0 10.6#



#20

Methylene Chloride

Concen: 0.495 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX041923.D

Acq: 18 Jun 2024 15:12

Tgt Ion: 84 Resp: 766

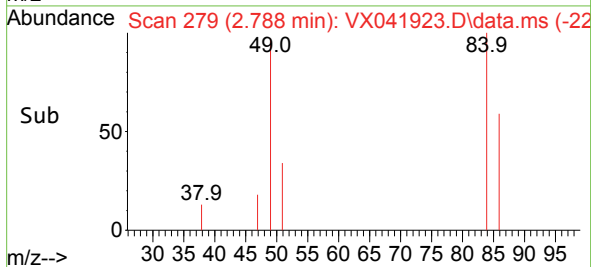
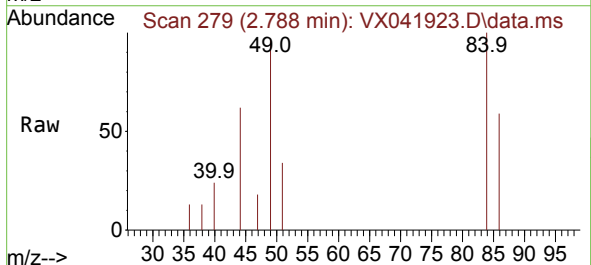
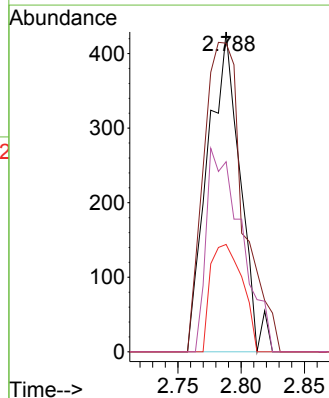
Ion Ratio Lower Upper

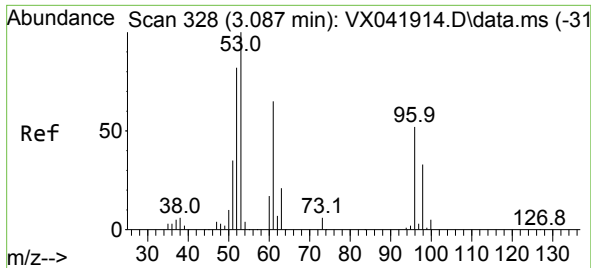
84 100

49 96.5 103.6 155.4#

51 33.6 33.8 50.6#

86 59.4 49.4 74.0

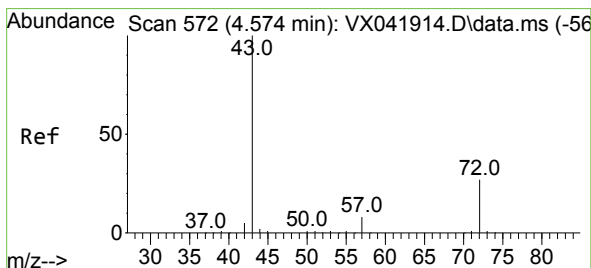
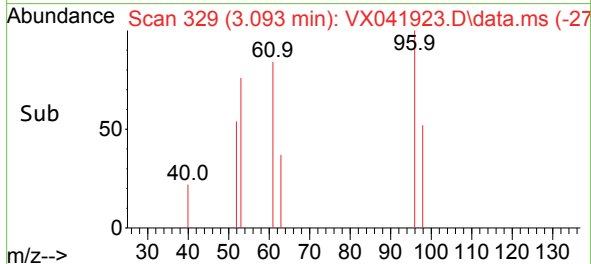
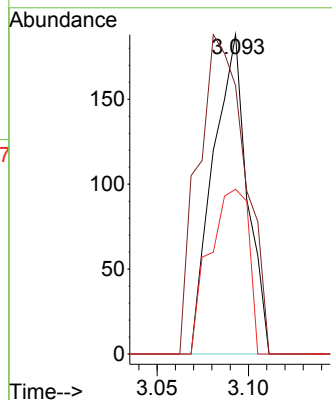
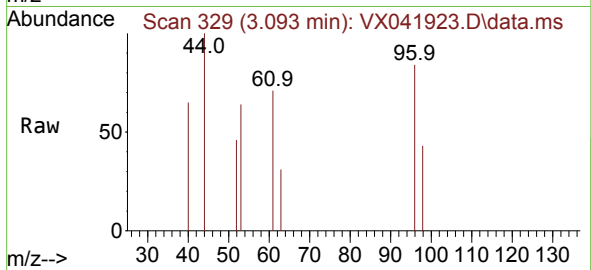




#21
trans-1,2-Dichloroethene
Concen: 0.201 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX041923.D
Acq: 18 Jun 2024 15:12

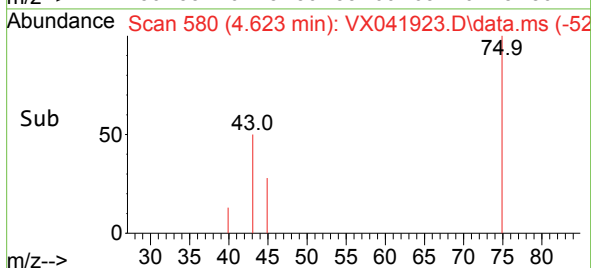
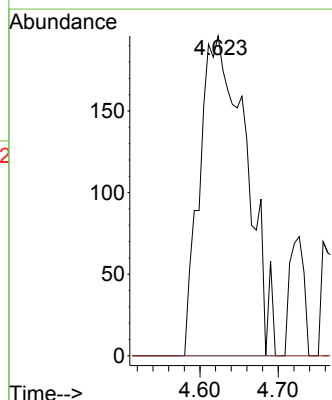
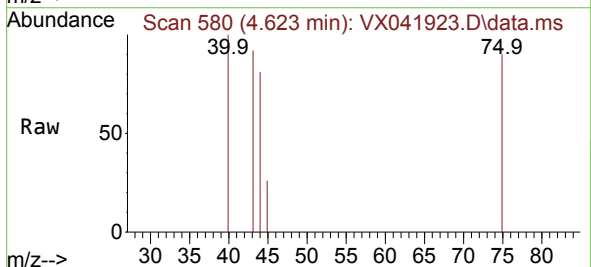
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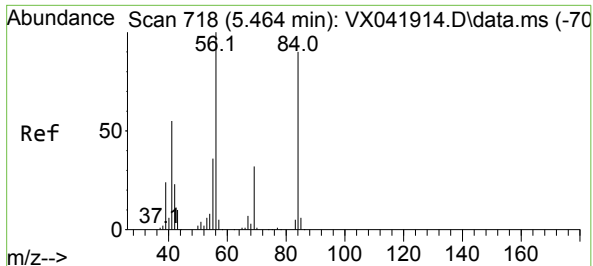
Tgt Ion: 96 Resp: 245
Ion Ratio Lower Upper
96 100
61 84.0 119.2 178.8#
98 51.6 48.7 73.1



#25
2-Butanone
Concen: 0.732 ug/l
RT: 4.623 min Scan# 580
Delta R.T. 0.049 min
Lab File: VX041923.D
Acq: 18 Jun 2024 15:12

Tgt Ion: 43 Resp: 805
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#

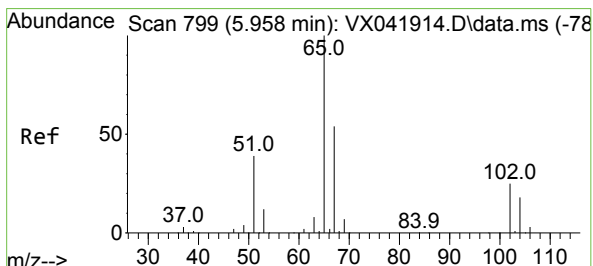
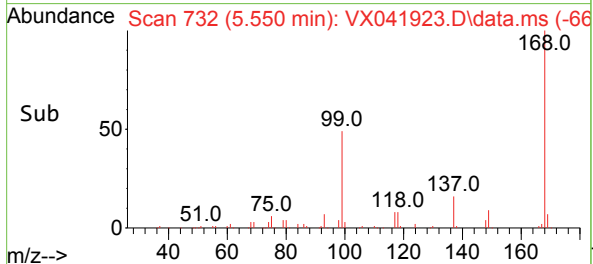
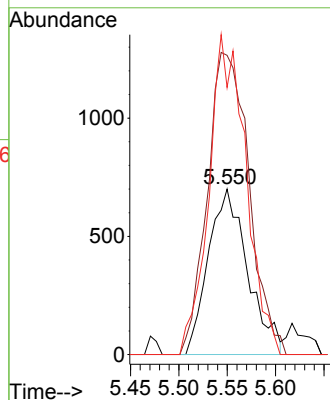
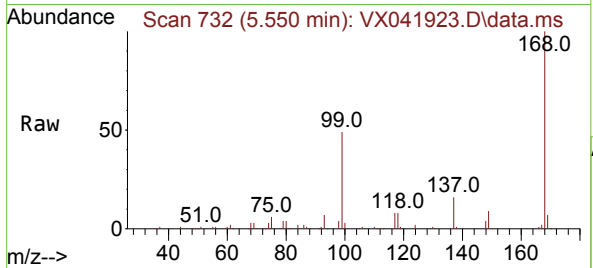




#31
Cyclohexane
Concen: 1.055 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX041923.D
Acq: 18 Jun 2024 15:12

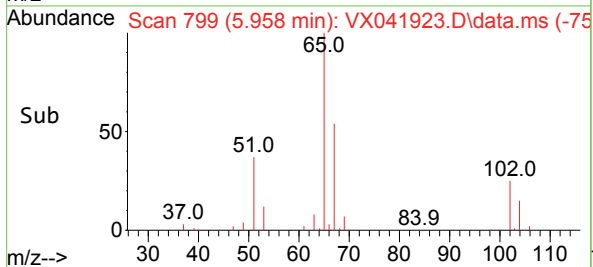
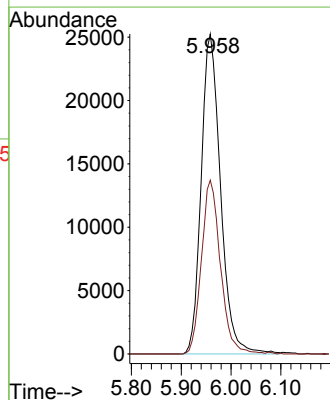
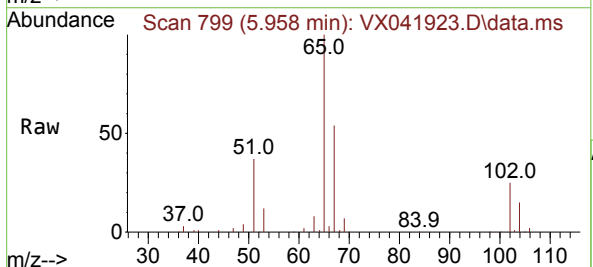
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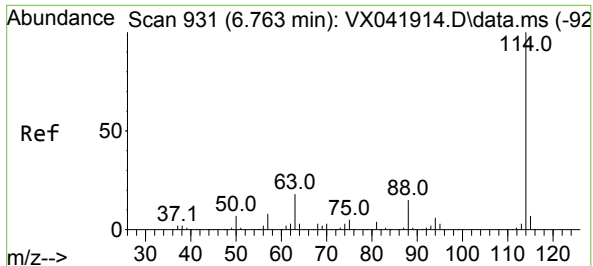
Tgt Ion: 56 Resp: 1985
Ion Ratio Lower Upper
56 100
69 180.9 23.4 35.2#
84 161.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.407 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX041923.D
Acq: 18 Jun 2024 15:12

Tgt Ion: 65 Resp: 68224
Ion Ratio Lower Upper
65 100
67 53.1 0.0 100.2

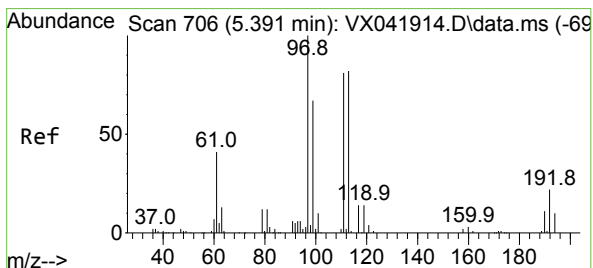
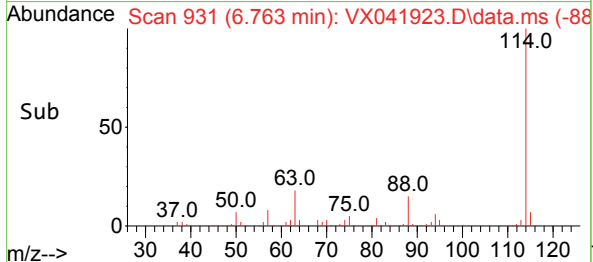
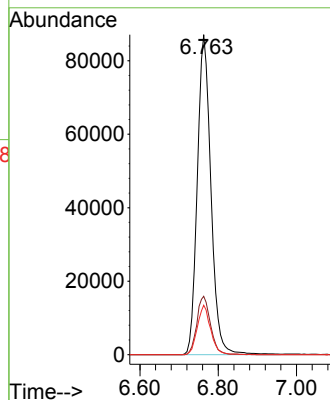
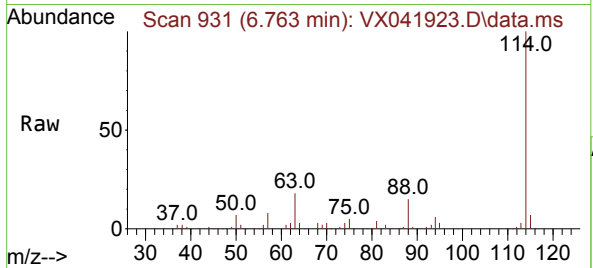




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX041923.D
Acq: 18 Jun 2024 15:12

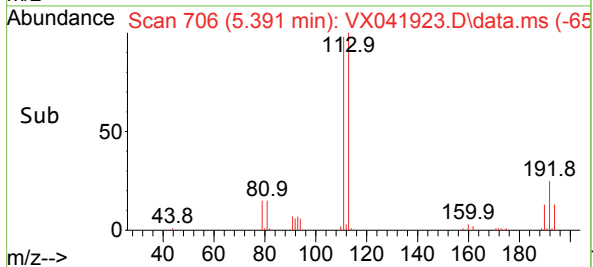
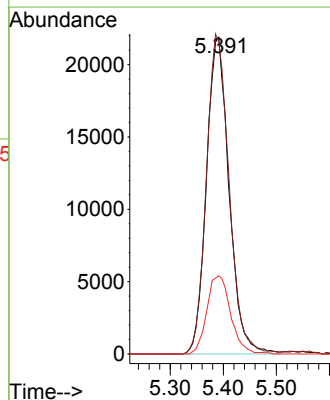
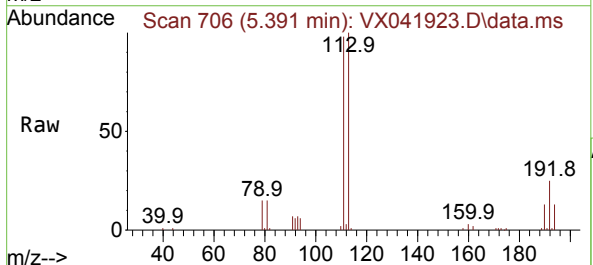
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-GW-520-522

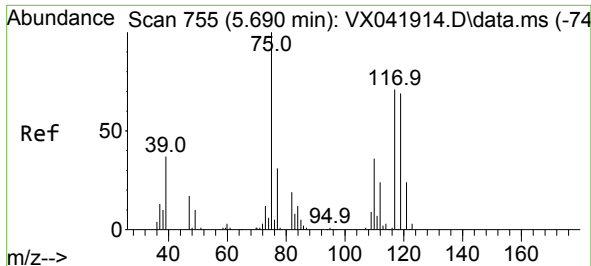
Tgt Ion:114 Resp: 211312
Ion Ratio Lower Upper
114 100
63 18.3 0.0 45.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 43.268 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX041923.D
Acq: 18 Jun 2024 15:12

Tgt Ion:113 Resp: 64875
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 26.0 13.3 19.9#

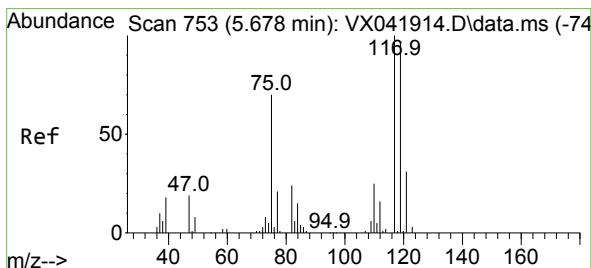
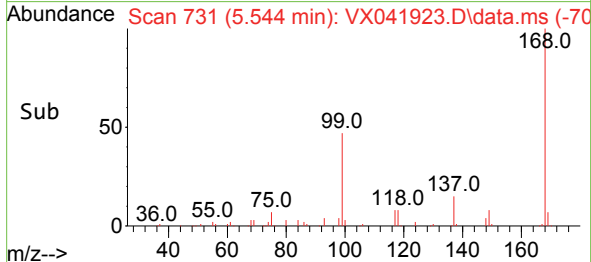
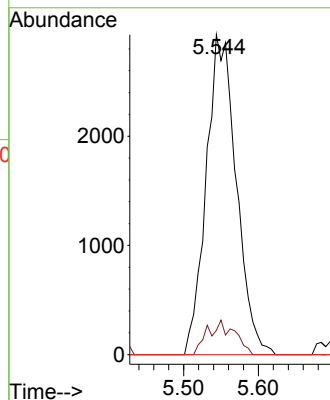
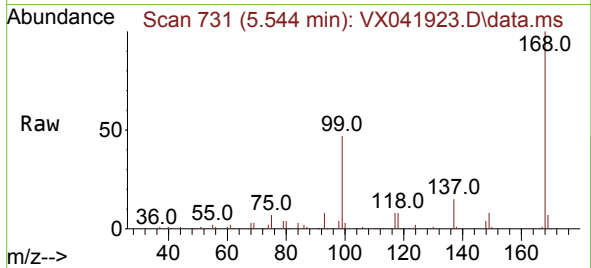




#36
1,1-Dichloropropene
Concen: 5.146 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX041923.D
Acq: 18 Jun 2024 15:12

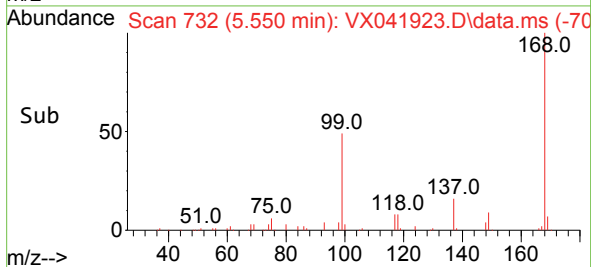
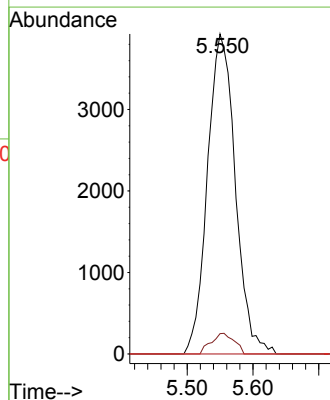
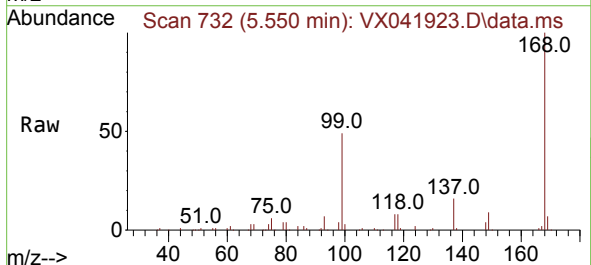
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-GW-520-522

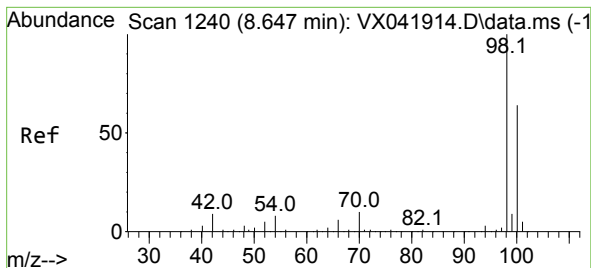
Tgt Ion: 75 Resp: 8193
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.577 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX041923.D
Acq: 18 Jun 2024 15:12

Tgt Ion: 117 Resp: 11570
Ion Ratio Lower Upper
117 100
119 6.4 78.2 117.2#
121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 46.900 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX041923.D

Acq: 18 Jun 2024 15:12

Instrument :

MSVOA_X

ClientSampleId :

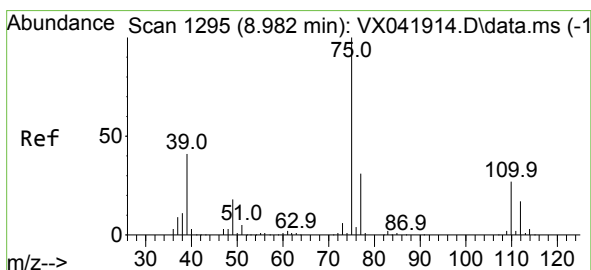
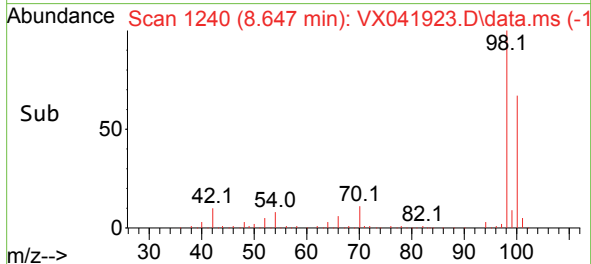
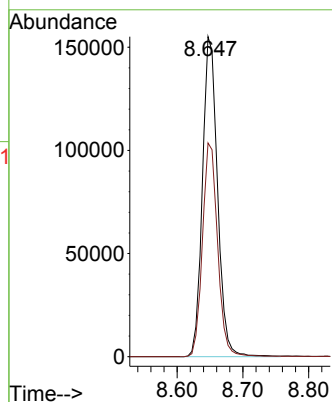
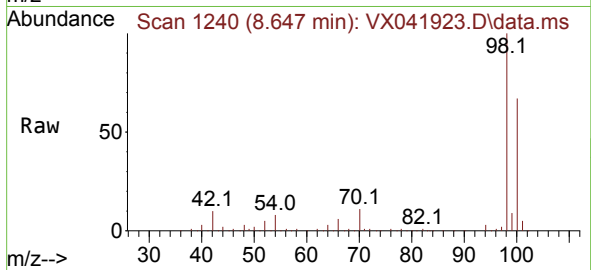
BP-VPB-196-GW-520-522

Tgt Ion: 98 Resp: 247040

Ion Ratio Lower Upper

98 100

100 67.2 53.1 79.7



#53

t-1,3-Dichloropropene

Concen: 0.938 ug/l

RT: 8.994 min Scan# 1297

Delta R.T. 0.012 min

Lab File: VX041923.D

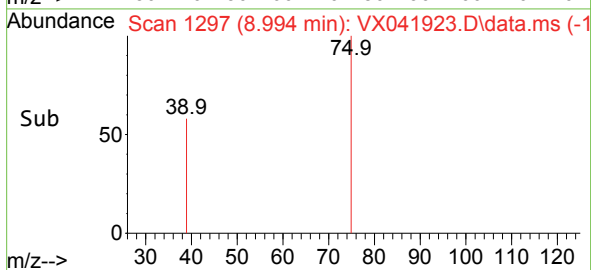
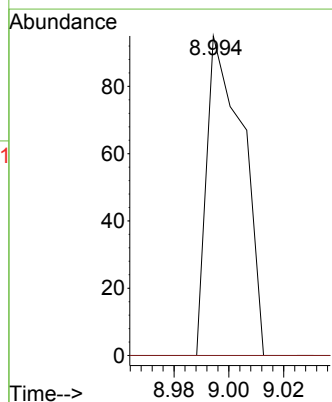
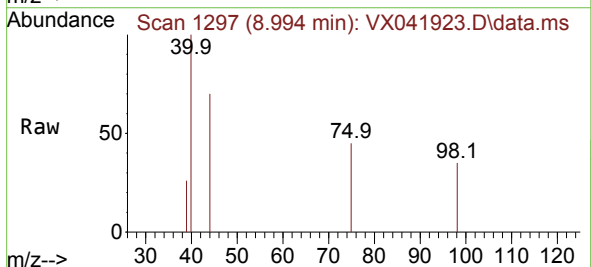
Acq: 18 Jun 2024 15:12

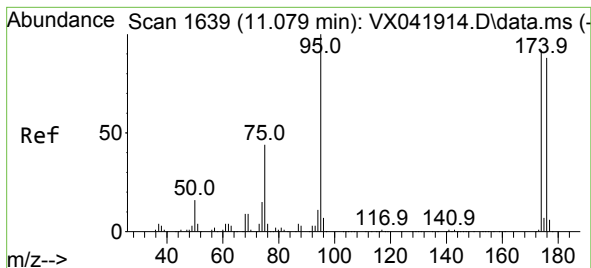
Tgt Ion: 75 Resp: 86

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

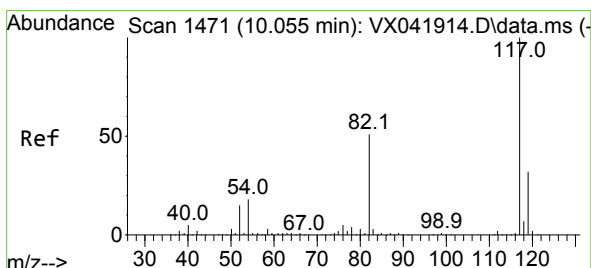
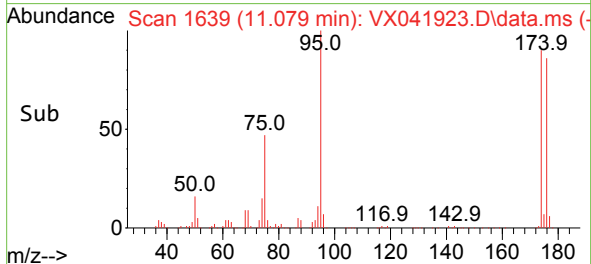
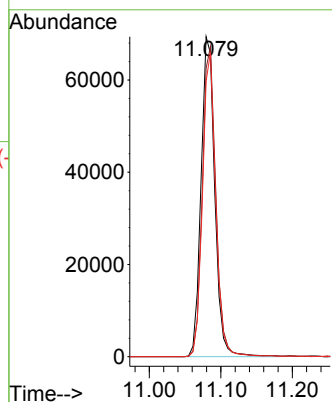
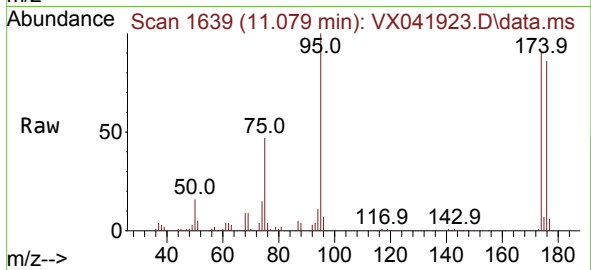




#62
4-Bromofluorobenzene
Concen: 47.579 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041923.D
Acq: 18 Jun 2024 15:12

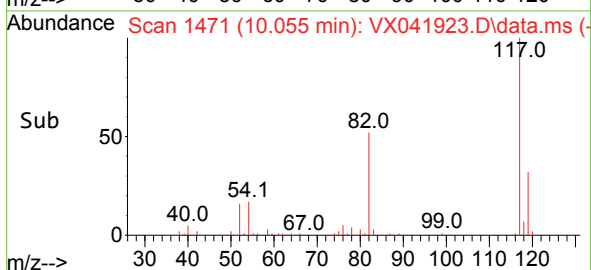
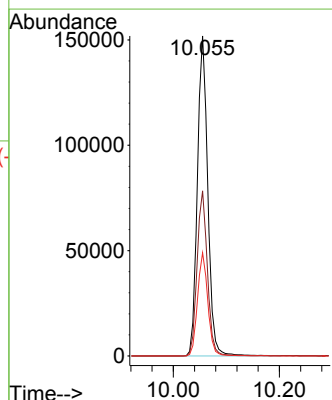
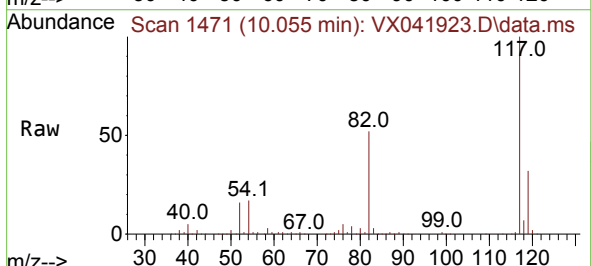
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-GW-520-522

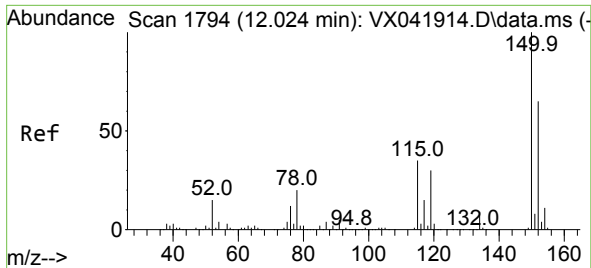
Tgt Ion: 95 Resp: 92384
Ion Ratio Lower Upper
95 100
174 95.6 0.0 135.6
176 91.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041923.D
Acq: 18 Jun 2024 15:12

Tgt Ion: 117 Resp: 206868
Ion Ratio Lower Upper
117 100
82 51.6 46.2 69.4
119 32.2 25.5 38.3

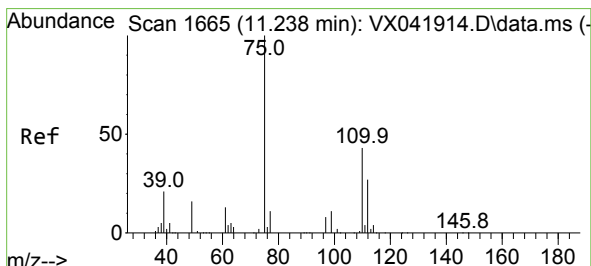
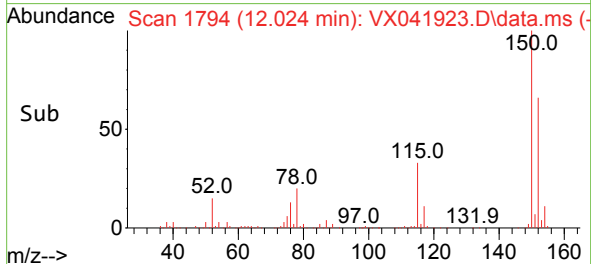
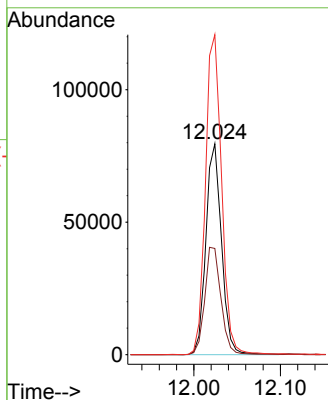
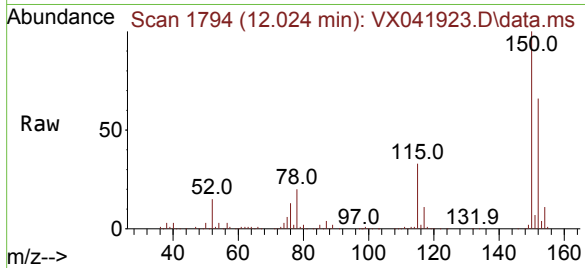




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX041923.D
 Acq: 18 Jun 2024 15:12

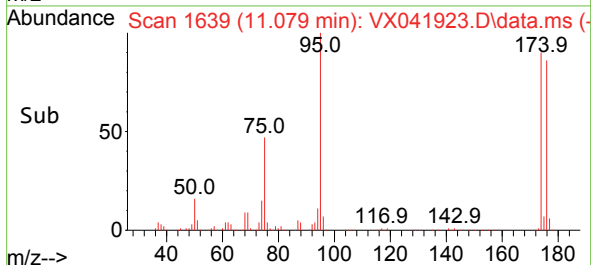
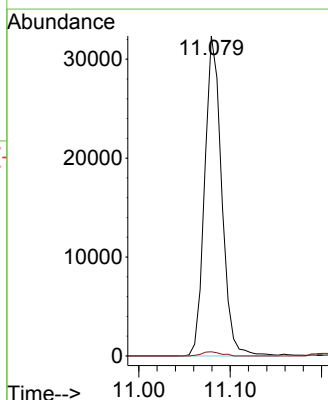
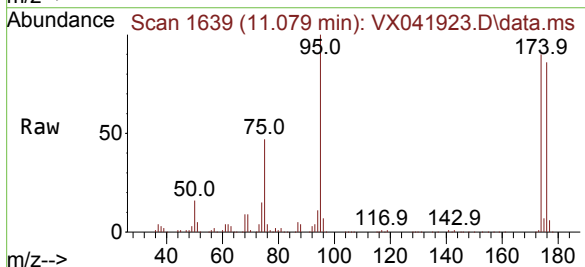
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-196-GW-520-522

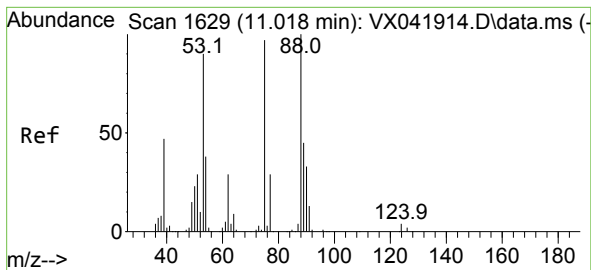
Tgt Ion:152 Resp: 99818
 Ion Ratio Lower Upper
 152 100
 115 52.9 43.3 129.9
 150 157.0 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 22.988 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX041923.D
 Acq: 18 Jun 2024 15:12

Tgt Ion: 75 Resp: 41656
 Ion Ratio Lower Upper
 75 100
 77 1.5 19.1 57.5#

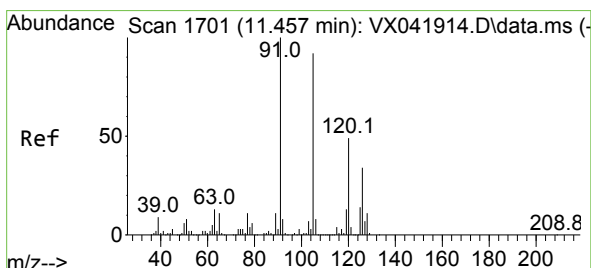
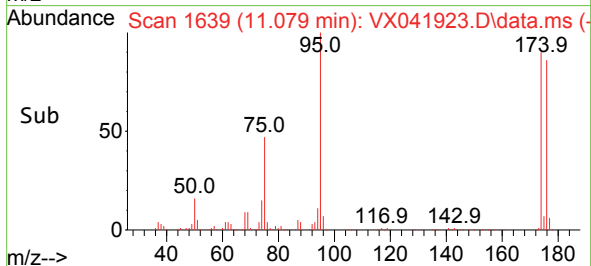
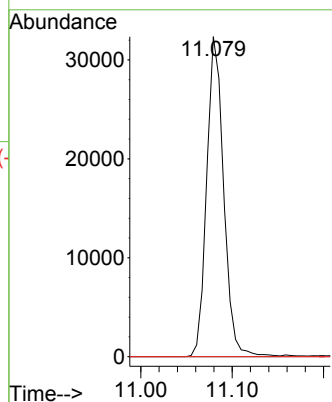
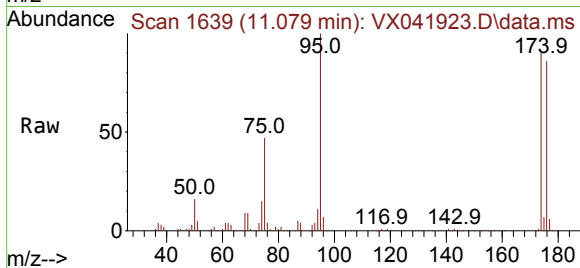




#81
trans-1,4-Dichloro-2-butene
Concen: 65.283 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041923.D
Acq: 18 Jun 2024 15:12

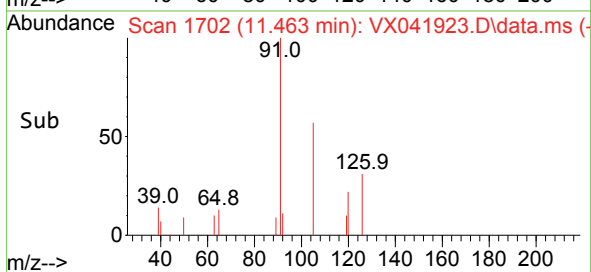
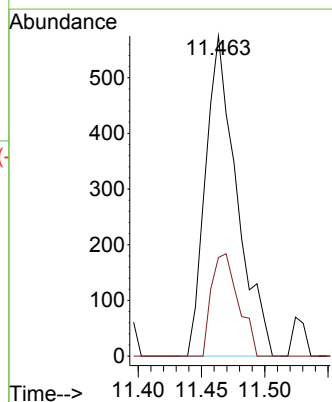
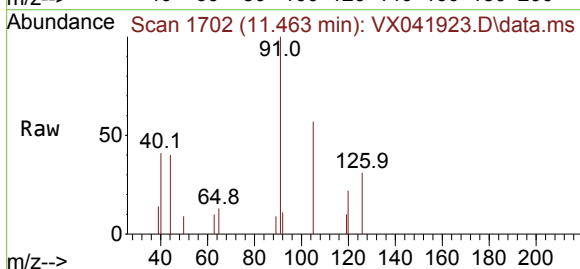
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-GW-520-522

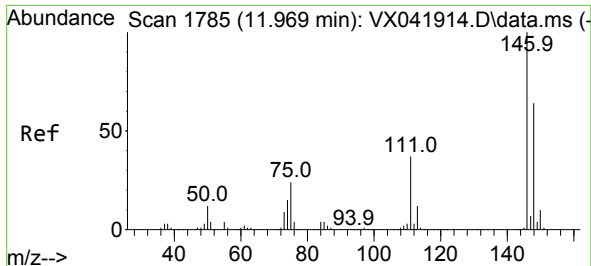
Tgt Ion: 75 Resp: 41656
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.210 ug/l
RT: 11.463 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VX041923.D
Acq: 18 Jun 2024 15:12

Tgt Ion: 91 Resp: 987
Ion Ratio Lower Upper
91 100
126 27.7 14.2 42.6





#87

1,3-Dichlorobenzene

Concen: 0.262 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX041923.D

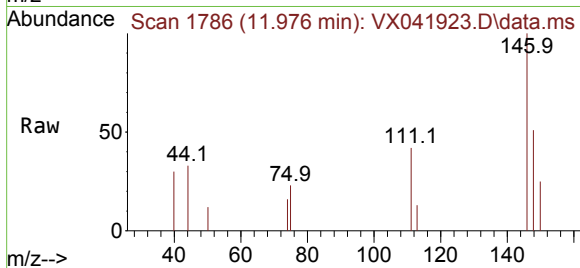
Acq: 18 Jun 2024 15:12

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-196-GW-520-522



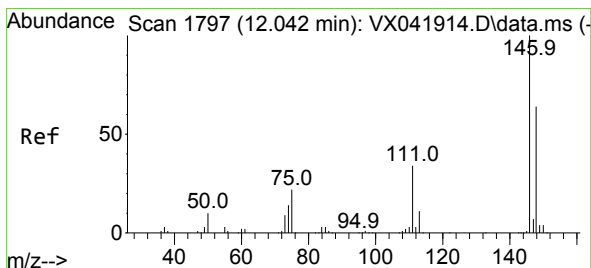
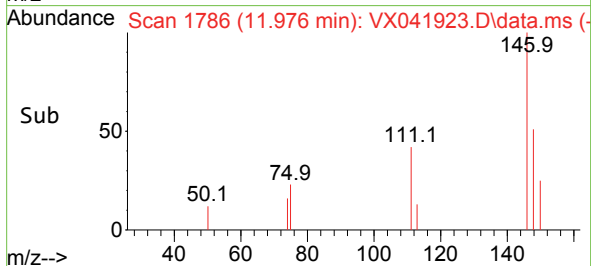
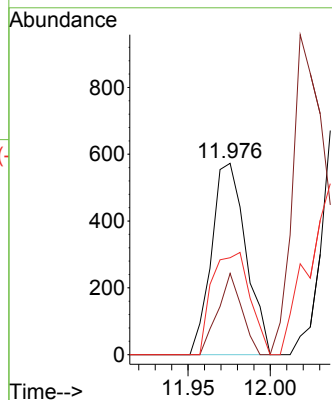
Tgt Ion:146 Resp: 833

Ion Ratio Lower Upper

146 100

111 29.7 22.1 66.1

148 59.1 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.256 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX041923.D

Acq: 18 Jun 2024 15:12

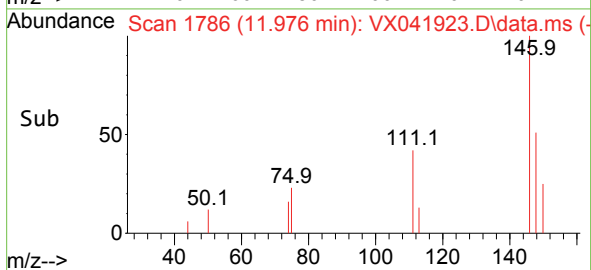
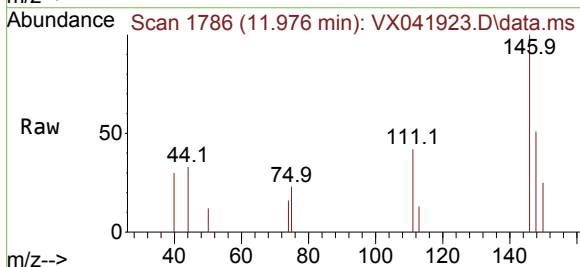
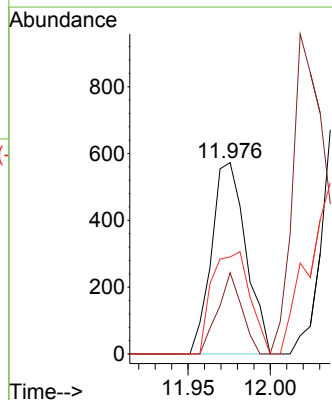
Tgt Ion:146 Resp: 833

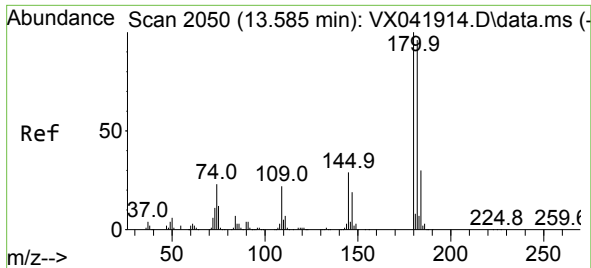
Ion Ratio Lower Upper

146 100

111 29.7 21.3 63.7

148 59.1 31.8 95.4

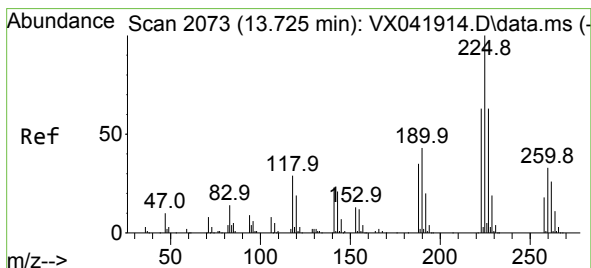
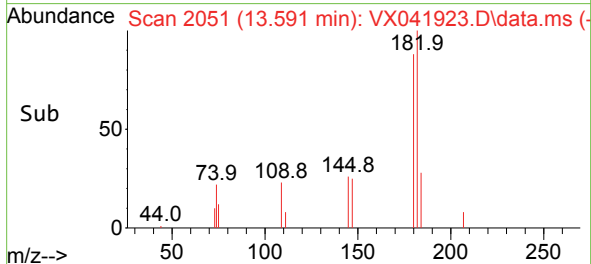
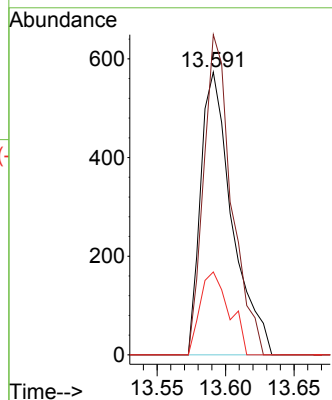
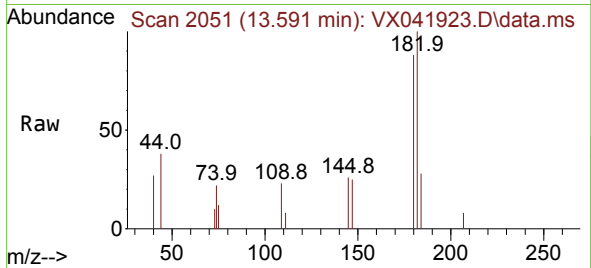




#93
1,2,4-Trichlorobenzene
Concen: 0.429 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX041923.D
Acq: 18 Jun 2024 15:12

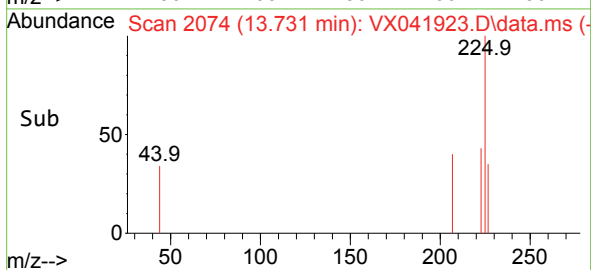
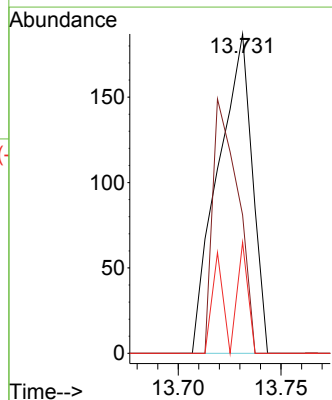
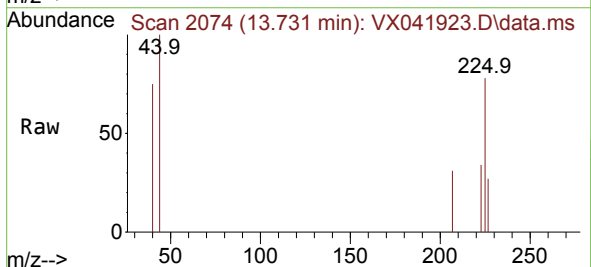
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-GW-520-522

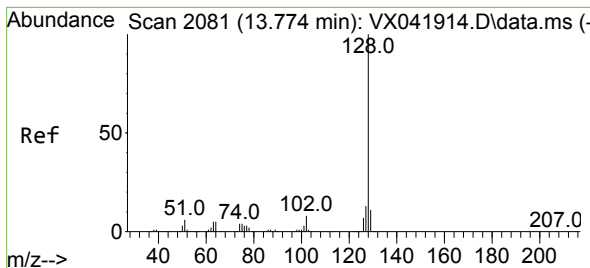
Tgt Ion:180 Resp: 914
Ion Ratio Lower Upper
180 100
182 100.7 48.3 144.8
145 27.2 18.0 54.0



#94
Hexachlorobutadiene
Concen: 0.201 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX041923.D
Acq: 18 Jun 2024 15:12

Tgt Ion:225 Resp: 216
Ion Ratio Lower Upper
225 100
223 58.8 31.1 93.2
227 20.8 32.5 97.5#





#95

Naphthalene

Concen: 1.215 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX041923.D

Acq: 18 Jun 2024 15:12

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-196-GW-520-522

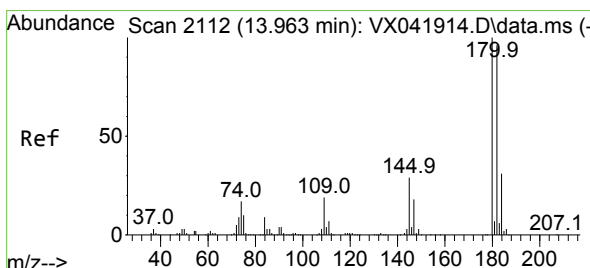
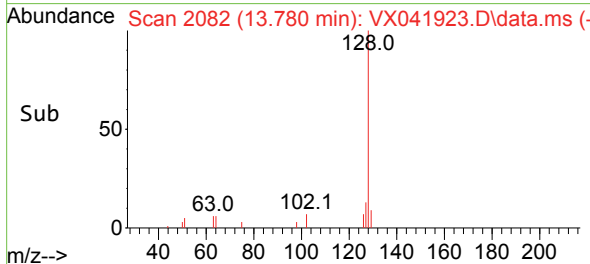
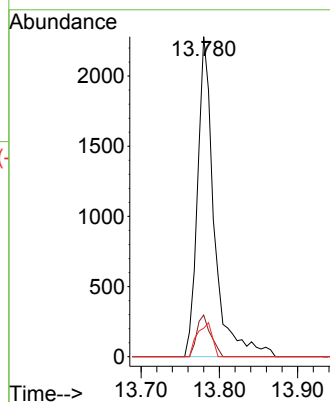
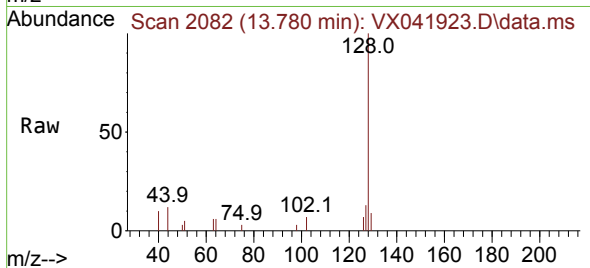
Tgt Ion:128 Resp: 3393

Ion Ratio Lower Upper

128 100

127 10.8 10.3 15.5

129 9.4 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.449 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX041923.D

Acq: 18 Jun 2024 15:12

Tgt Ion:180 Resp: 1008

Ion Ratio Lower Upper

180 100

182 90.2 46.9 140.6

145 29.8 17.8 53.5

