

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062524\
 Data File : VX042024.D
 Acq On : 25 Jun 2024 12:02
 Operator : JC/MD
 Sample : P3052-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 26 05:35:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

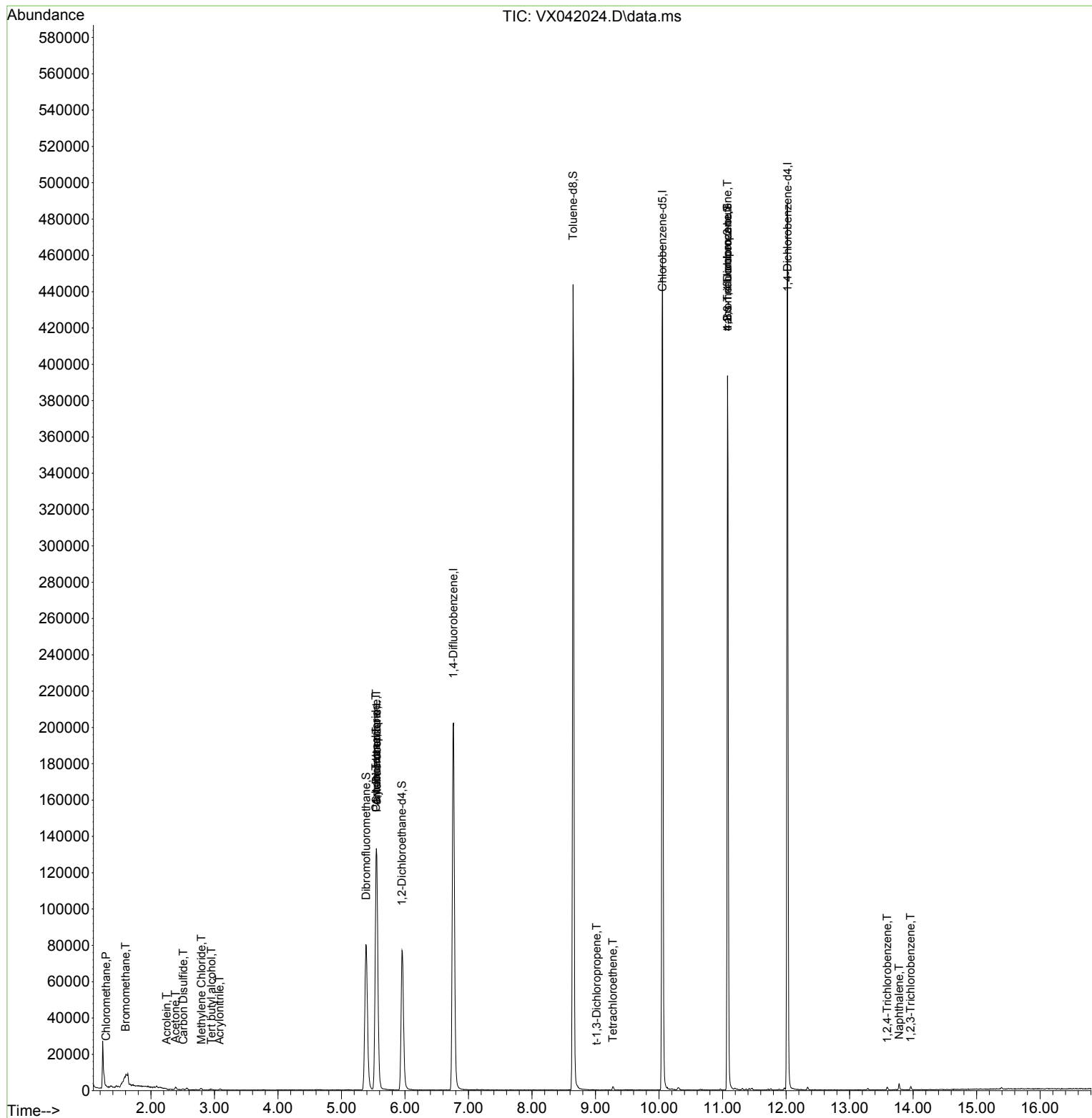
Internal Standards						
1) Pentafluorobenzene	5.556	168	149302	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	228682	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	118924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	74347	43.184	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.360%		
35) Dibromofluoromethane	5.385	113	71522	44.078	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.160%		
50) Toluene-d8	8.647	98	270818	47.509	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.020%		
62) 4-Bromofluorobenzene	11.079	95	104476	49.720	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.440%		
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	349	0.245	ug/l	93
5) Bromomethane	1.599	94	264	0.374	ug/l	95
6) Chloroethane	1.666	64	285	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	370	1.132	ug/l	# 78
13) Acrolein	2.245	56	248	0.677	ug/l	97
15) Acrylonitrile	3.081	53	223	0.261	ug/l	# 61
16) Acetone	2.386	43	1722	2.278	ug/l	98
17) Carbon Disulfide	2.508	76	802	0.305	ug/l	# 76
20) Methylene Chloride	2.794	84	590	0.356	ug/l	# 69
31) Cyclohexane	5.550	56	2078	1.032	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	8761	5.085	ug/l	# 51
38) Carbon Tetrachloride	5.544	117	12912	6.782	ug/l	# 16
53) t-1,3-Dichloropropene	9.019	75	19	0.901	ug/l	# 43
64) Tetrachloroethene	9.275	164	411	0.244	ug/l	# 75
76) 1,2,3-Trichloropropane	11.079	75	47145	21.837	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	47145	62.015	ug/l	# 5
93) 1,2,4-Trichlorobenzene	13.591	180	632	0.249	ug/l	91
95) Naphthalene	13.780	128	2911	1.084	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	810	0.303	ug/l	89

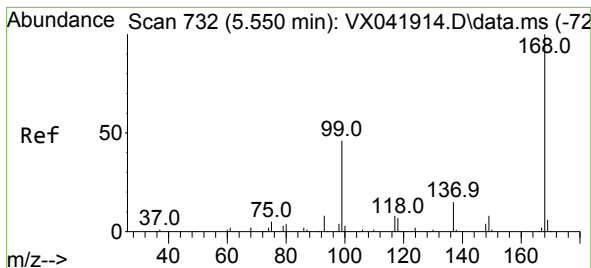
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 21 23:51:58 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX042024.D

Acq: 25 Jun 2024 12:02

Instrument :

MSVOA_X

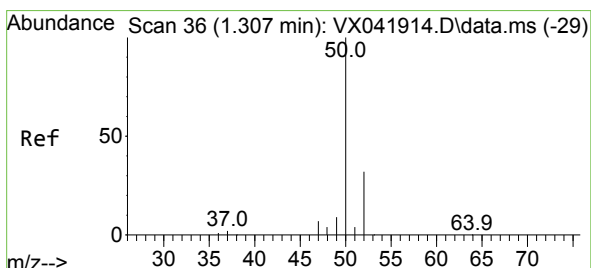
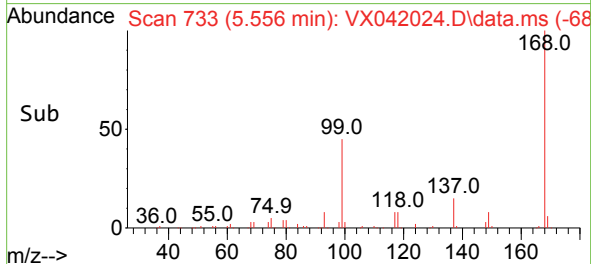
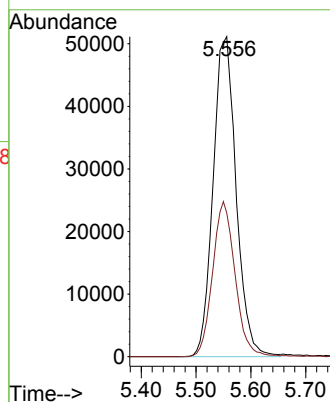
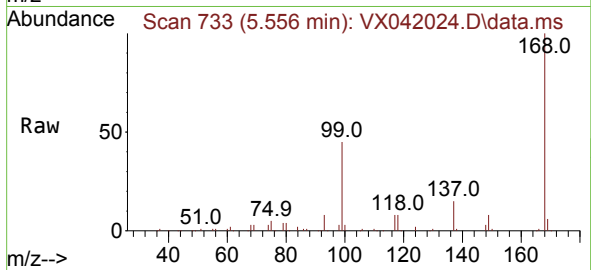
ClientSampleId :

Tgt Ion:168 Resp: 149302

Ion Ratio Lower Upper

168 100

99 44.9 56.6 85.0#



#3

Chloromethane

Concen: 0.245 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.012 min

Lab File: VX042024.D

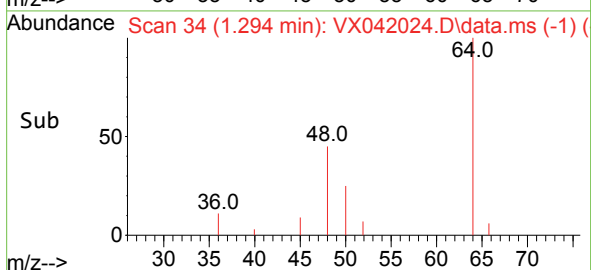
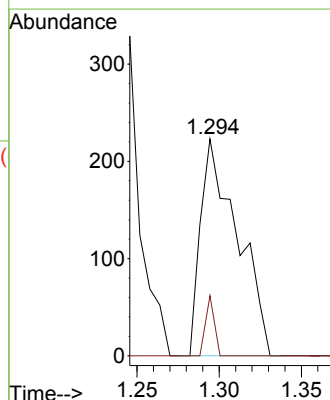
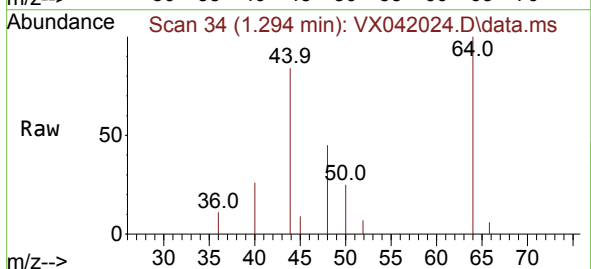
Acq: 25 Jun 2024 12:02

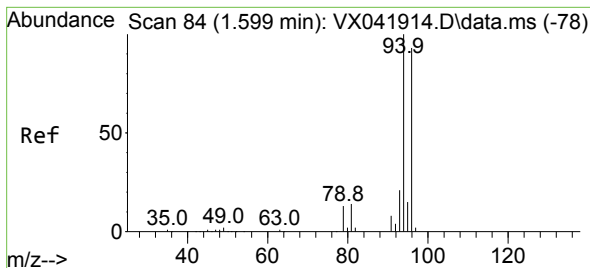
Tgt Ion: 50 Resp: 349

Ion Ratio Lower Upper

50 100

52 27.8 25.5 38.3

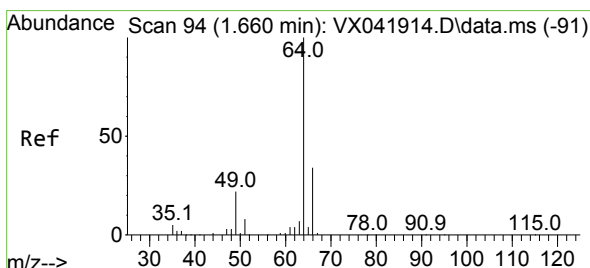
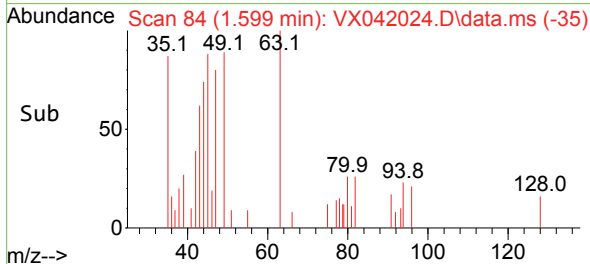
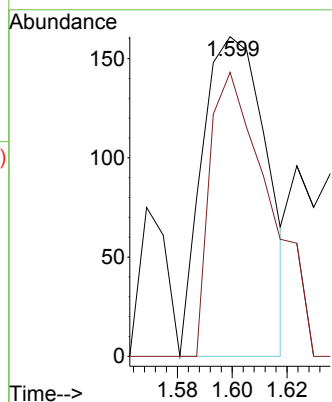
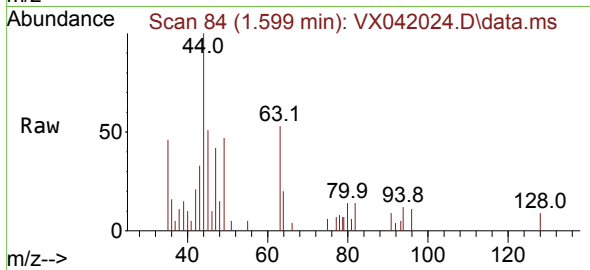




#5
Bromomethane
Concen: 0.374 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042024.D
Acq: 25 Jun 2024 12:02

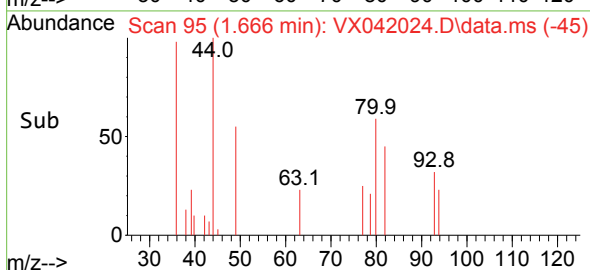
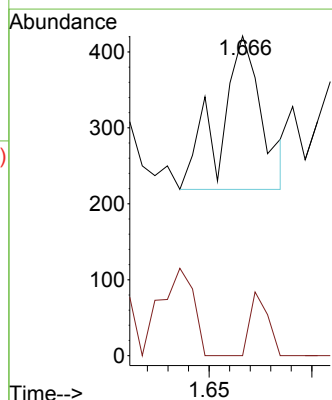
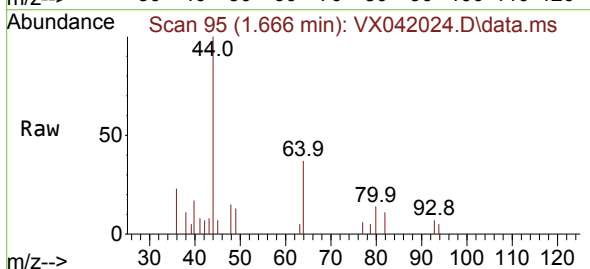
Instrument :
MSVOA_X
ClientSampleId :

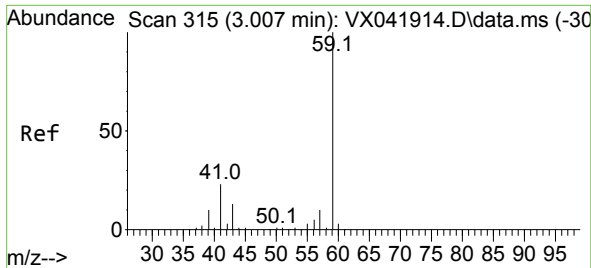
Tgt Ion: 94 Resp: 264
Ion Ratio Lower Upper
94 100
96 88.8 74.6 111.8



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX042024.D
Acq: 25 Jun 2024 12:02

Tgt Ion: 64 Resp: 285
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

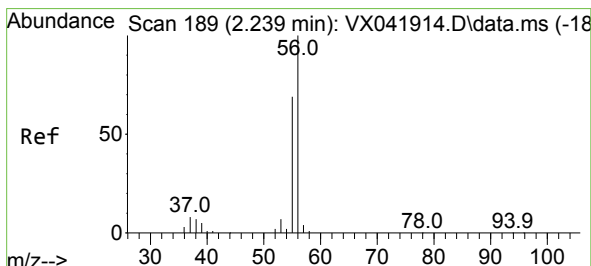
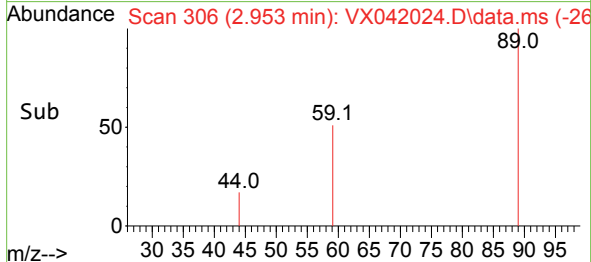
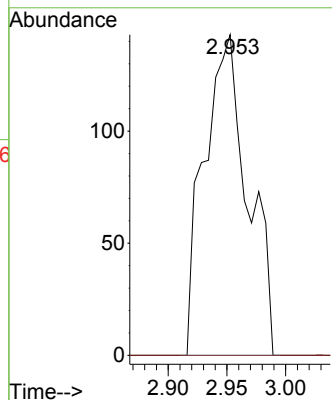
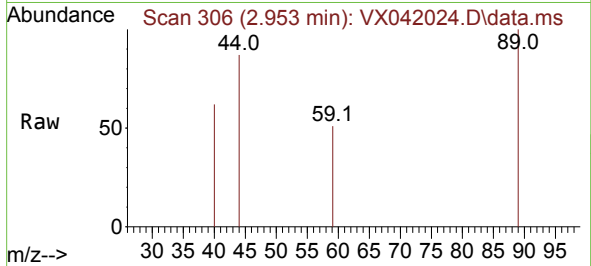




#11
Tert butyl alcohol
Concen: 1.132 ug/l
RT: 2.953 min Scan# 30
Delta R.T. -0.055 min
Lab File: VX042024.D
Acq: 25 Jun 2024 12:02

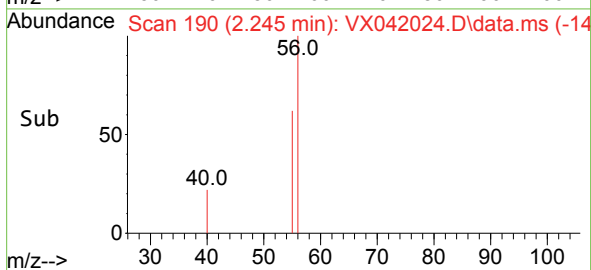
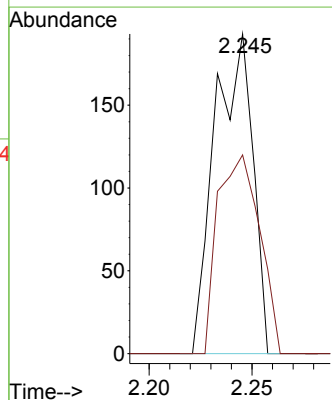
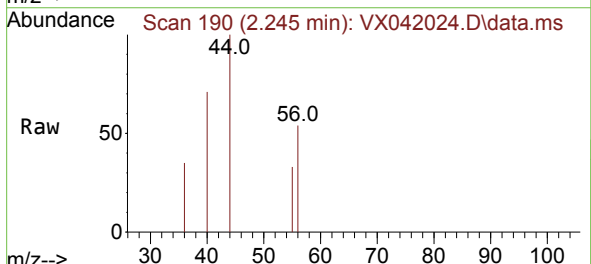
Instrument :
MSVOA_X
ClientSampleId :

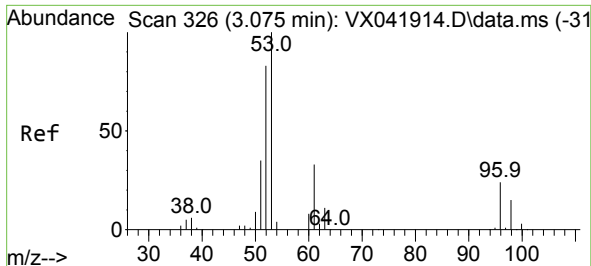
Tgt Ion: 59 Resp: 370
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.677 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX042024.D
Acq: 25 Jun 2024 12:02

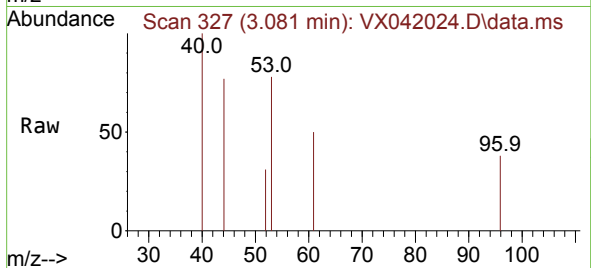
Tgt Ion: 56 Resp: 248
Ion Ratio Lower Upper
56 100
55 68.5 57.1 85.7



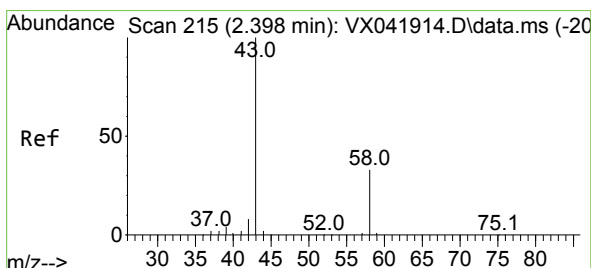
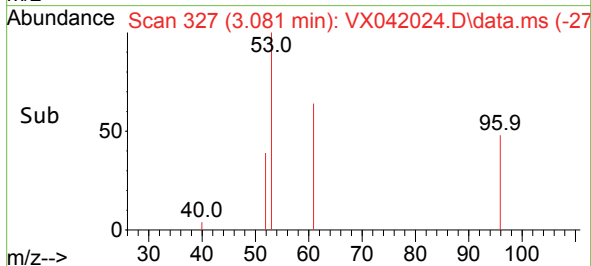
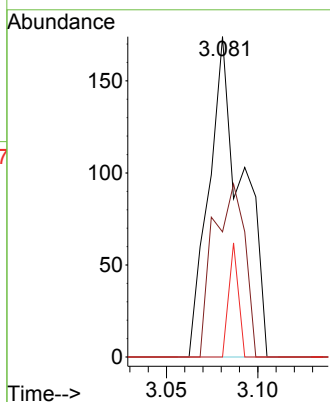


#15
Acrylonitrile
Concen: 0.261 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX042024.D
Acq: 25 Jun 2024 12:02

Instrument :
MSVOA_X
ClientSampleId :

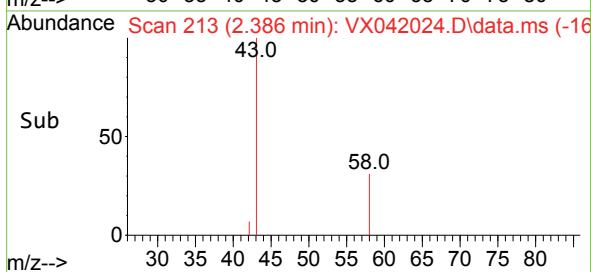
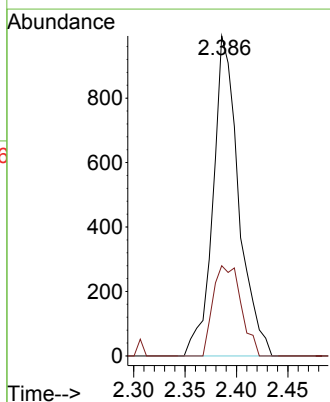
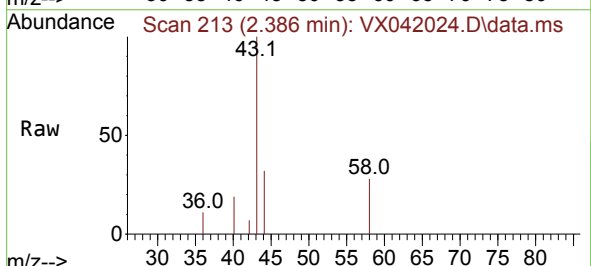


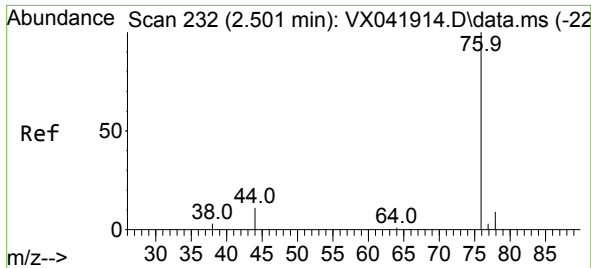
Tgt Ion: 53 Resp: 223
Ion Ratio Lower Upper
53 100
52 50.2 66.0 99.0#
51 10.3 29.8 44.6#



#16
Acetone
Concen: 2.278 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX042024.D
Acq: 25 Jun 2024 12:02

Tgt Ion: 43 Resp: 1722
Ion Ratio Lower Upper
43 100
58 28.2 21.9 32.9





#17

Carbon Disulfide

Concen: 0.305 ug/l

RT: 2.508 min Scan# 21

Delta R.T. 0.006 min

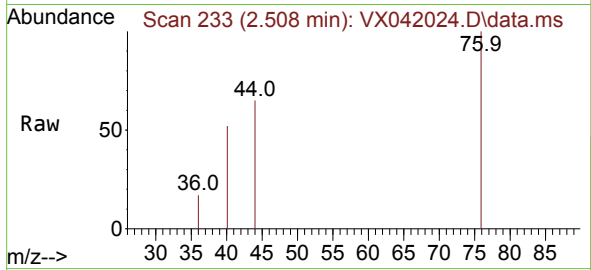
Lab File: VX042024.D

Acq: 25 Jun 2024 12:02

Instrument :

MSVOA_X

ClientSampleId :

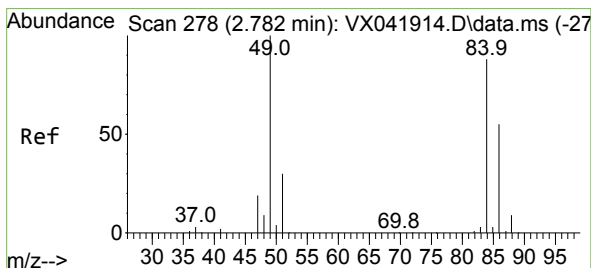
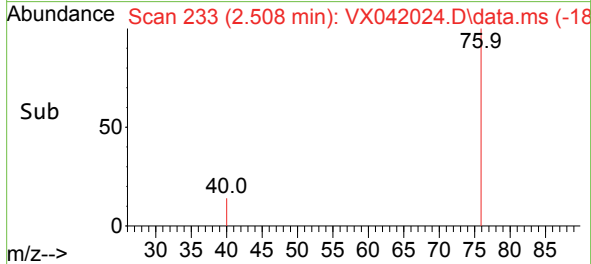
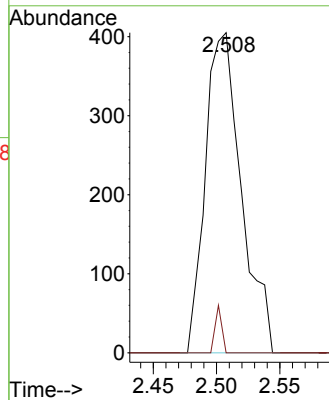


Tgt Ion: 76 Resp: 802

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: 0.356 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.012 min

Lab File: VX042024.D

Acq: 25 Jun 2024 12:02

Tgt Ion: 84 Resp: 590

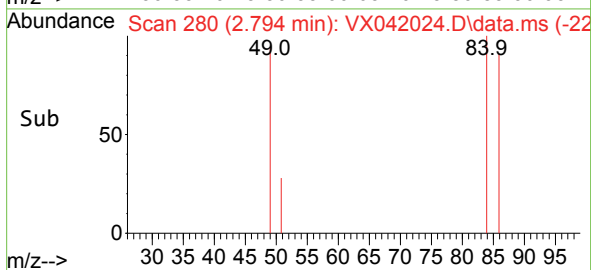
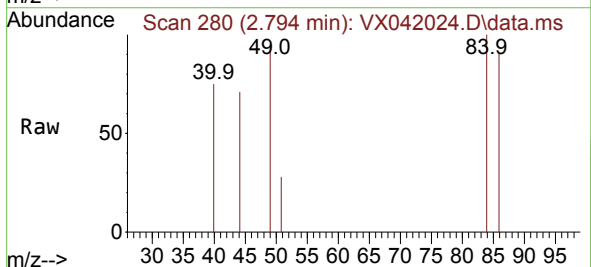
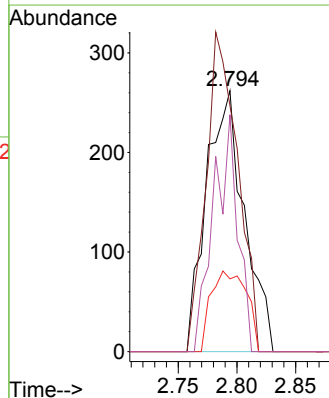
Ion Ratio Lower Upper

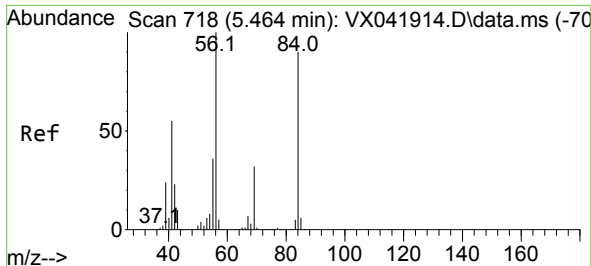
84 100

49 94.3 103.6 155.4#

51 27.9 33.8 50.6#

86 90.8 49.4 74.0#





#31

Cyclohexane

Concen: 1.032 ug/l

RT: 5.550 min Scan# 718

Delta R.T. 0.085 min

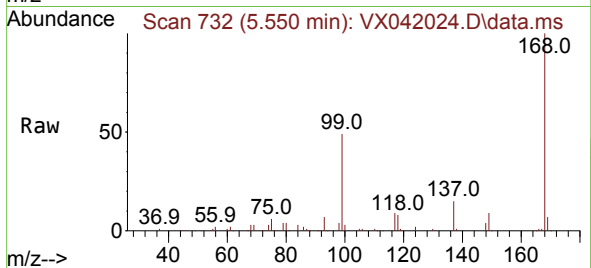
Lab File: VX042024.D

Acq: 25 Jun 2024 12:02

Instrument :

MSVOA_X

ClientSampleId :



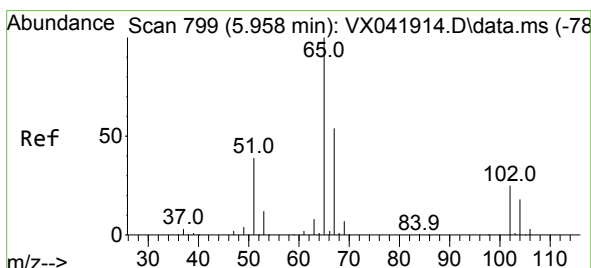
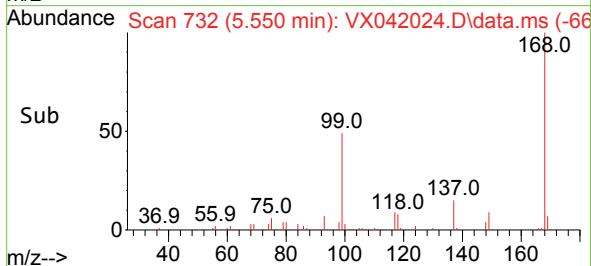
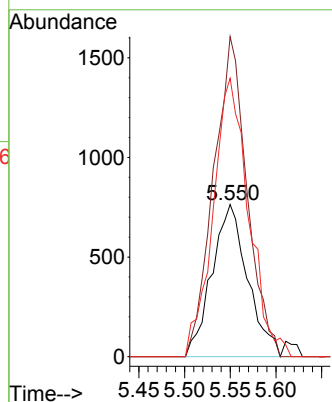
Tgt Ion: 56 Resp: 2078

Ion Ratio Lower Upper

56 100

69 210.2 23.4 35.2#

84 182.9 65.9 98.9#



#33

1,2-Dichloroethane-d4

Concen: 43.184 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX042024.D

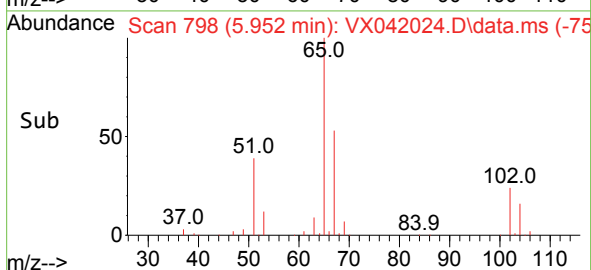
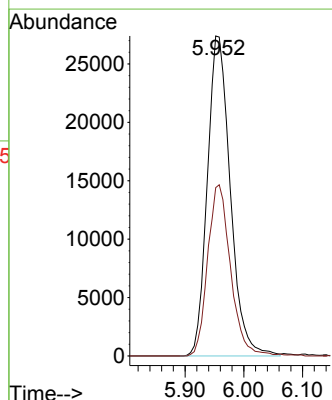
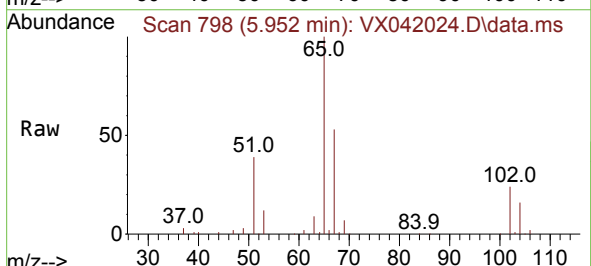
Acq: 25 Jun 2024 12:02

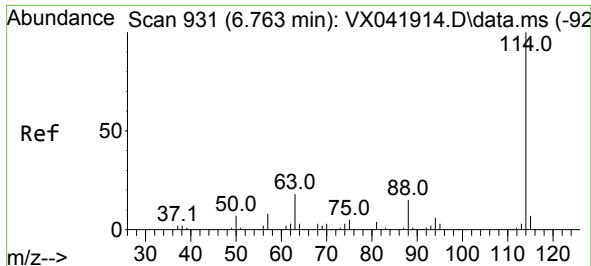
Tgt Ion: 65 Resp: 74347

Ion Ratio Lower Upper

65 100

67 53.4 0.0 100.2

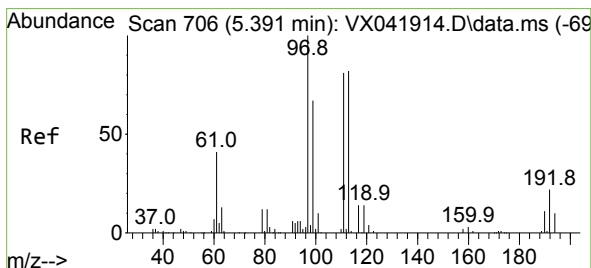
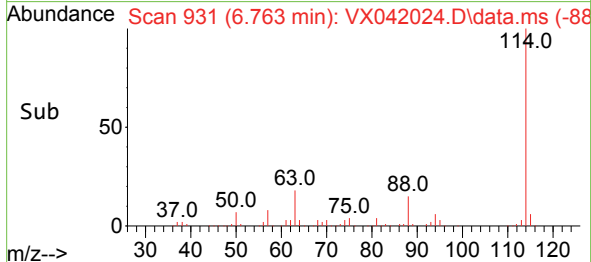
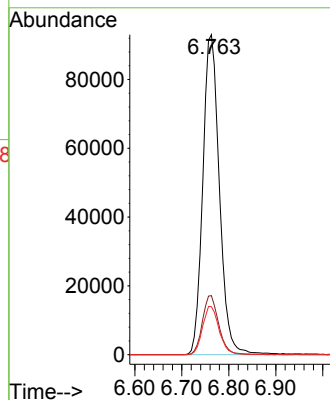
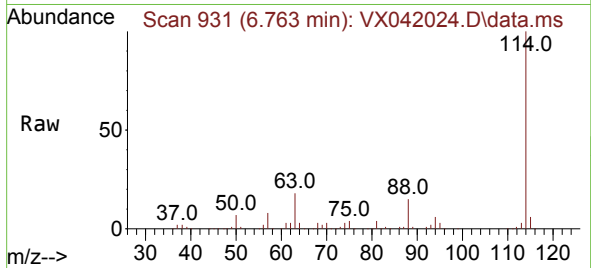




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX042024.D
Acq: 25 Jun 2024 12:02

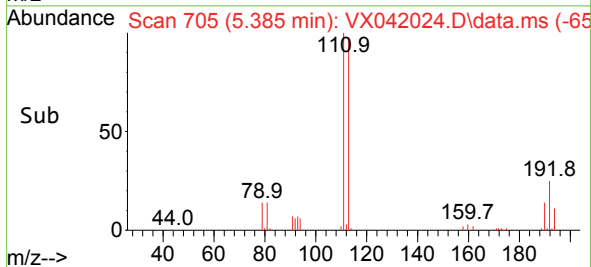
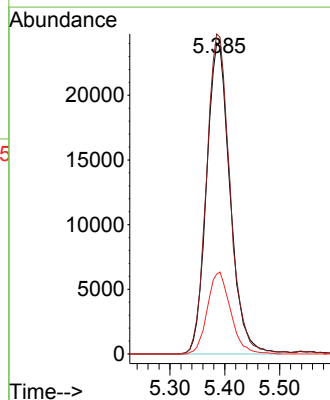
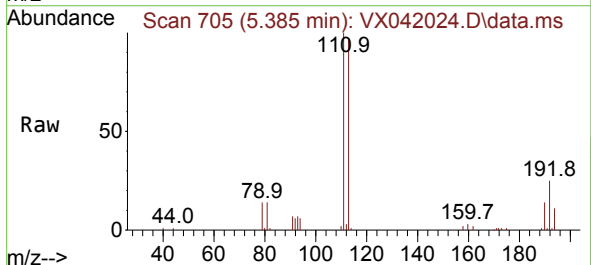
Instrument :
MSVOA_X
ClientSampleId :

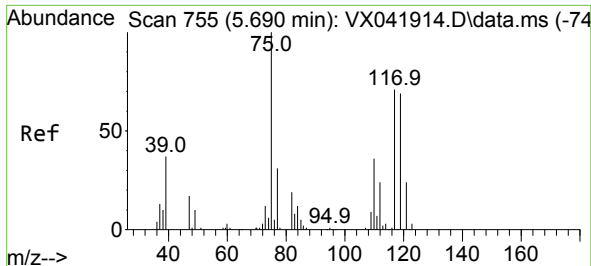
Tgt Ion:114 Resp: 228682
Ion Ratio Lower Upper
114 100
63 18.5 0.0 45.0
88 15.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.078 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042024.D
Acq: 25 Jun 2024 12:02

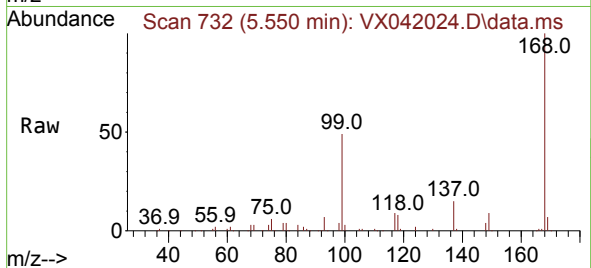
Tgt Ion:113 Resp: 71522
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 26.0 13.3 19.9#



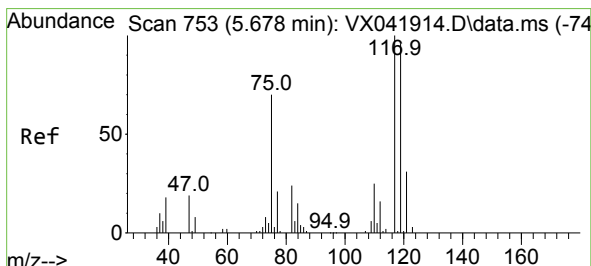
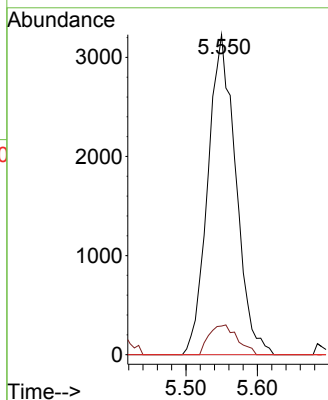
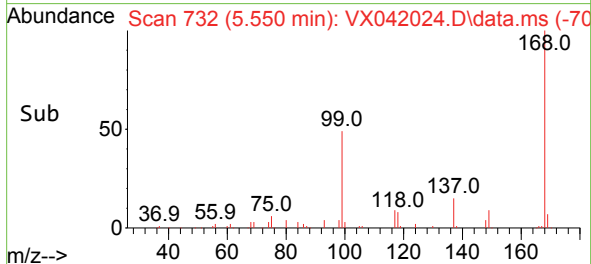


#36
1,1-Dichloropropene
Concen: 5.085 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX042024.D
Acq: 25 Jun 2024 12:02

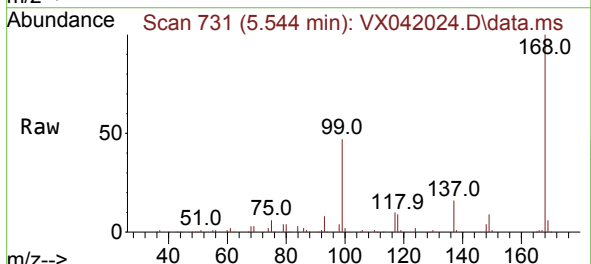
Instrument :
MSVOA_X
ClientSampleId :



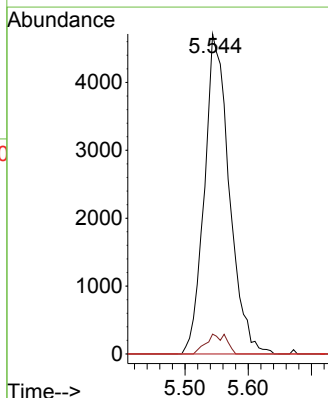
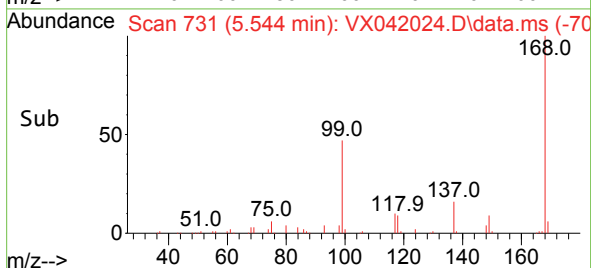
Tgt Ion: 75 Resp: 8761
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#

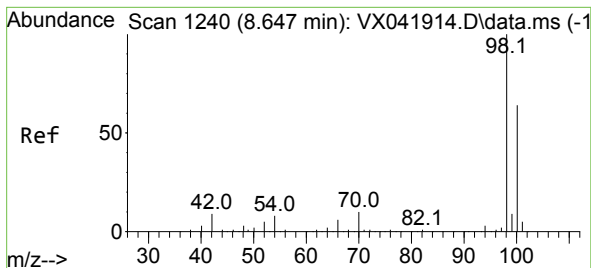


#38
Carbon Tetrachloride
Concen: 6.782 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX042024.D
Acq: 25 Jun 2024 12:02



Tgt Ion: 117 Resp: 12912
Ion Ratio Lower Upper
117 100
119 6.2 78.2 117.2#
121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 47.509 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX042024.D

Acq: 25 Jun 2024 12:02

Instrument :

MSVOA_X

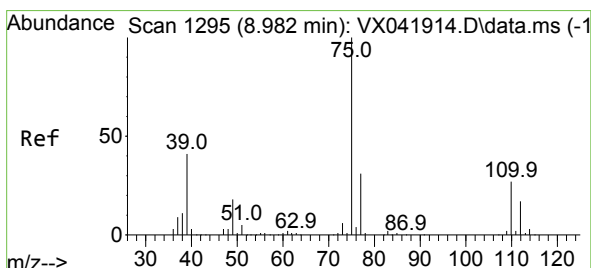
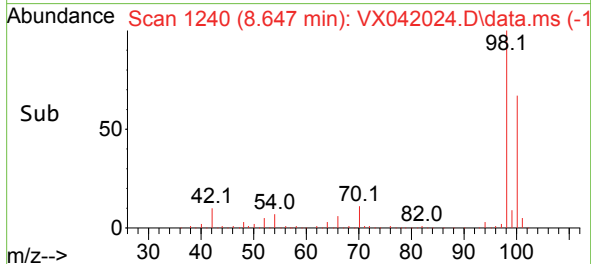
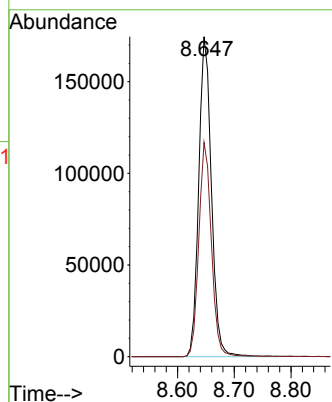
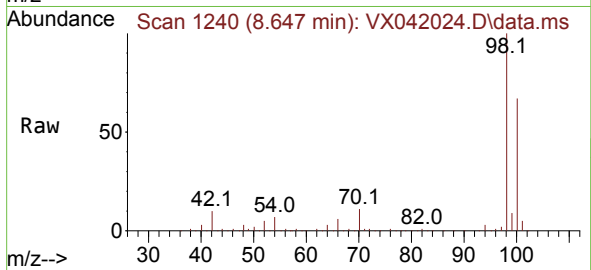
ClientSampleId :

Tgt Ion: 98 Resp: 270818

Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7



#53

t-1,3-Dichloropropene

Concen: 0.901 ug/l

RT: 9.019 min Scan# 1301

Delta R.T. 0.037 min

Lab File: VX042024.D

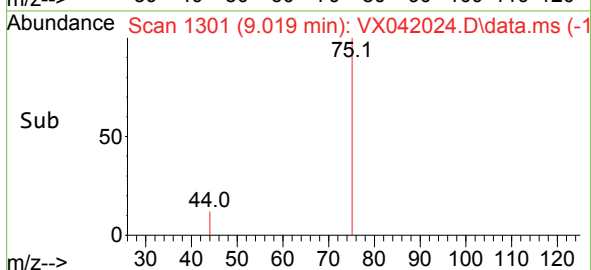
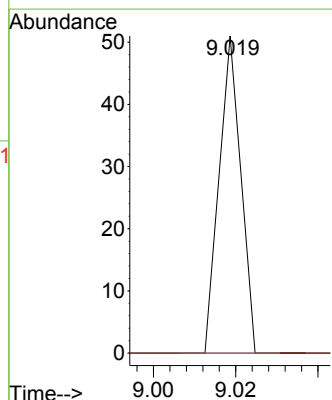
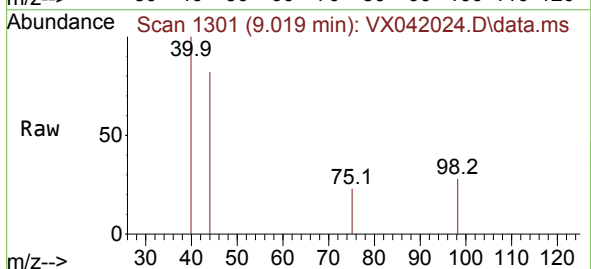
Acq: 25 Jun 2024 12:02

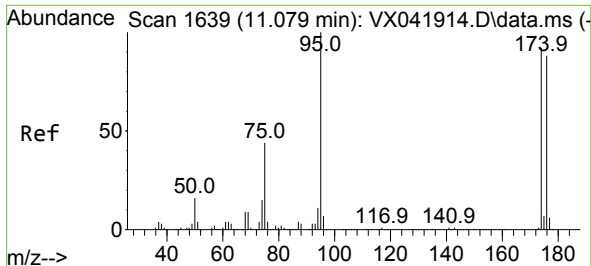
Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

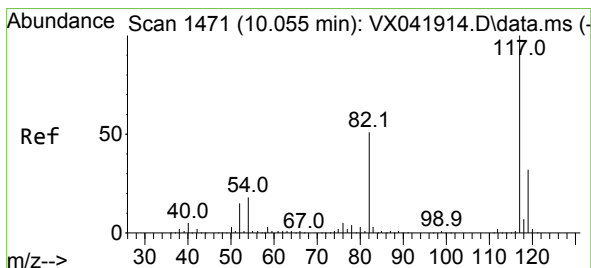
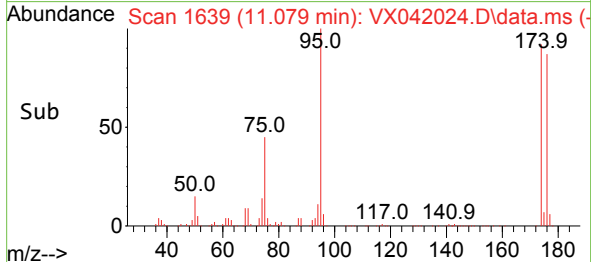
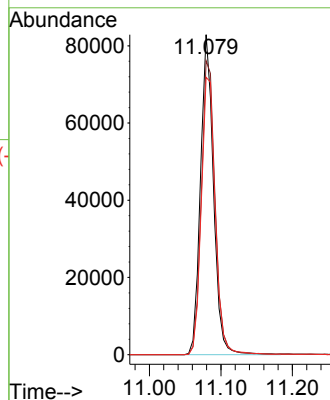
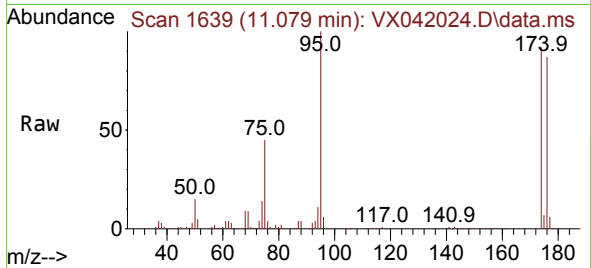




#62
4-Bromofluorobenzene
Concen: 49.720 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042024.D
Acq: 25 Jun 2024 12:02

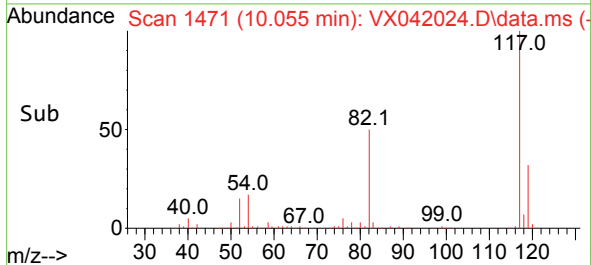
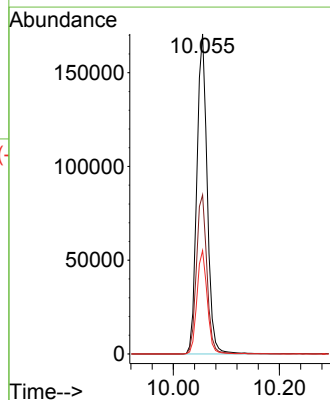
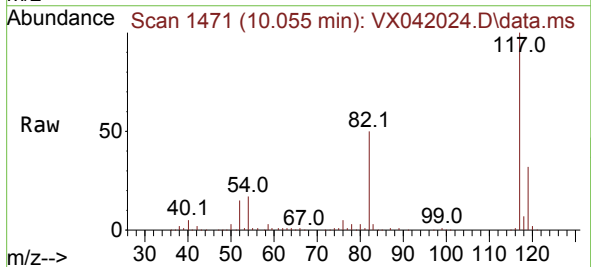
Instrument :
MSVOA_X
ClientSampleId :

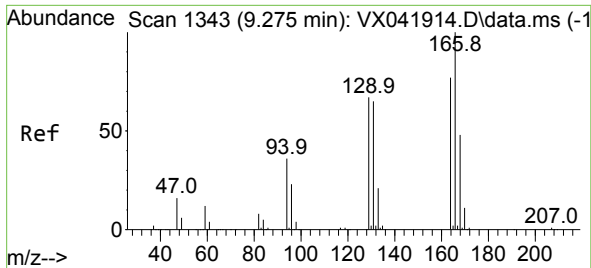
Tgt Ion: 95 Resp: 104476
Ion Ratio Lower Upper
95 100
174 97.8 0.0 135.6
176 93.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042024.D
Acq: 25 Jun 2024 12:02

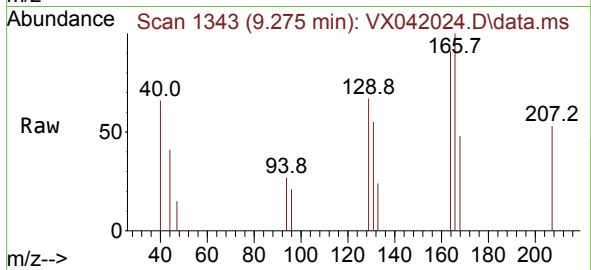
Tgt Ion: 117 Resp: 231766
Ion Ratio Lower Upper
117 100
82 49.7 46.2 69.4
119 32.3 25.5 38.3



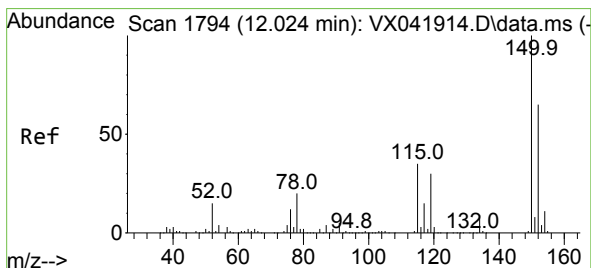
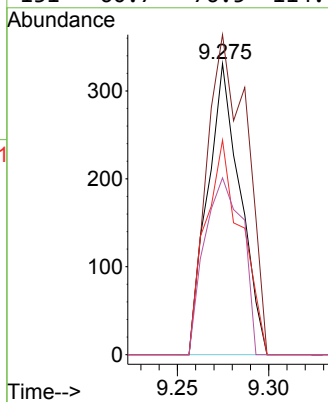
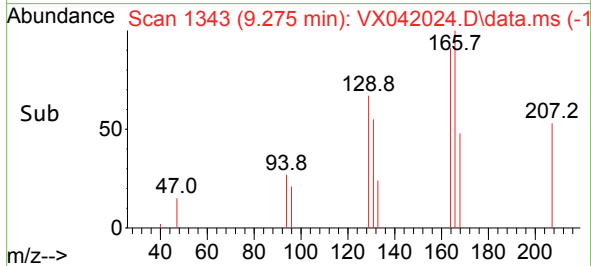


#64
Tetrachloroethene
Concen: 0.244 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042024.D
Acq: 25 Jun 2024 12:02

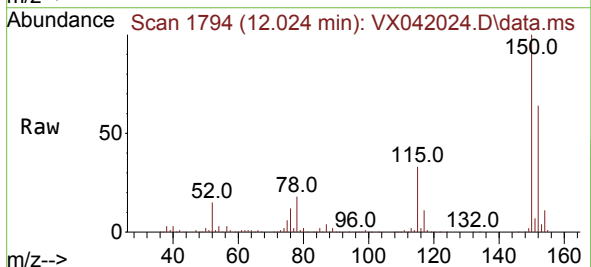
Instrument :
MSVOA_X
ClientSampleId :



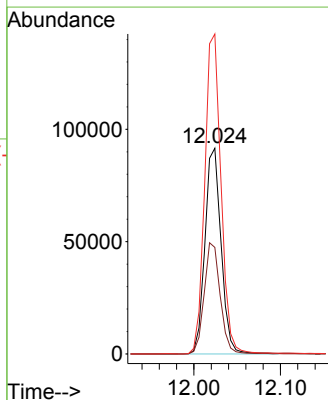
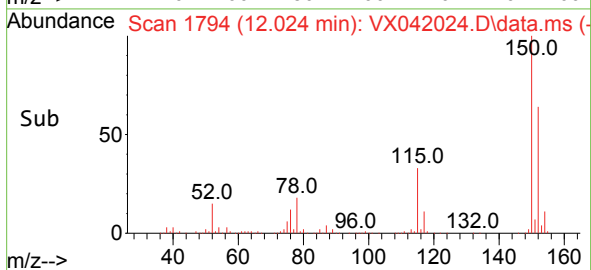
Tgt Ion:164 Resp: 411
Ion Ratio Lower Upper
164 100
166 110.0 102.7 154.1
129 73.7 80.4 120.6#
131 60.7 76.5 114.7#

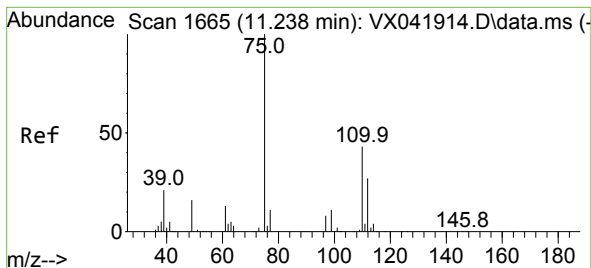


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX042024.D
Acq: 25 Jun 2024 12:02



Tgt Ion:152 Resp: 118924
Ion Ratio Lower Upper
152 100
115 53.7 43.3 129.9
150 156.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 21.837 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX042024.D

Acq: 25 Jun 2024 12:02

Instrument :

MSVOA_X

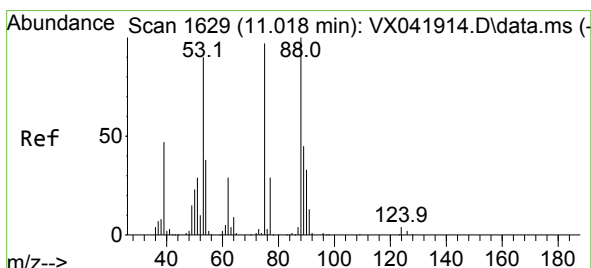
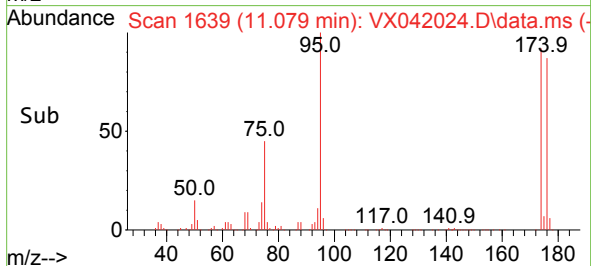
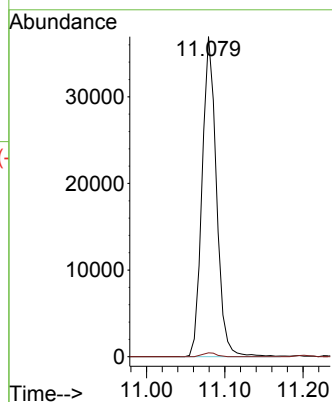
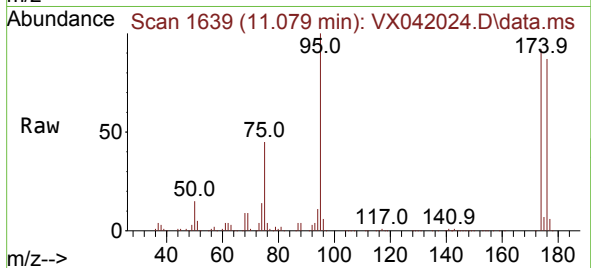
ClientSampleId :

Tgt Ion: 75 Resp: 47145

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.015 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042024.D

Acq: 25 Jun 2024 12:02

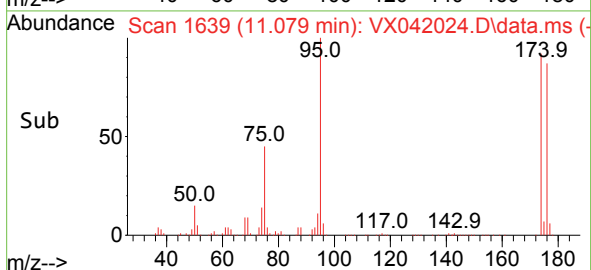
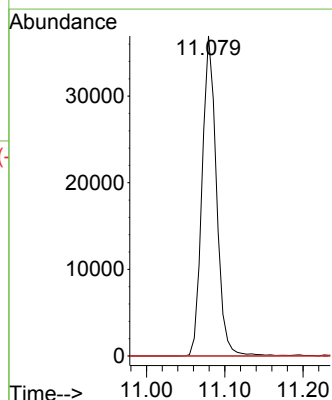
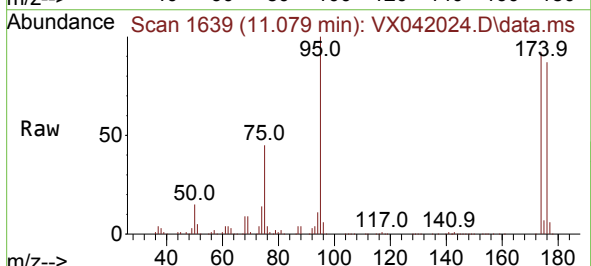
Tgt Ion: 75 Resp: 47145

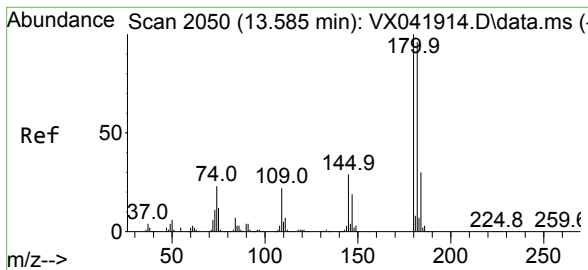
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

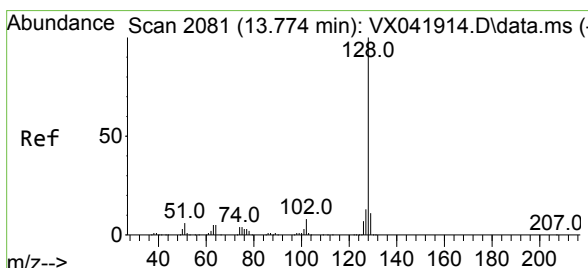
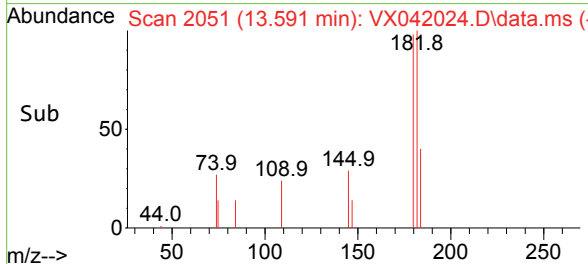
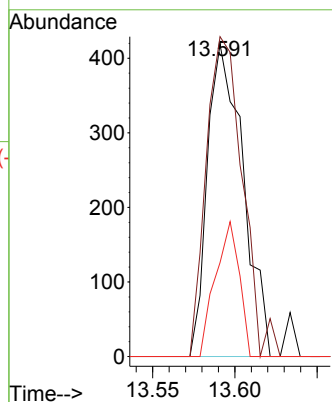
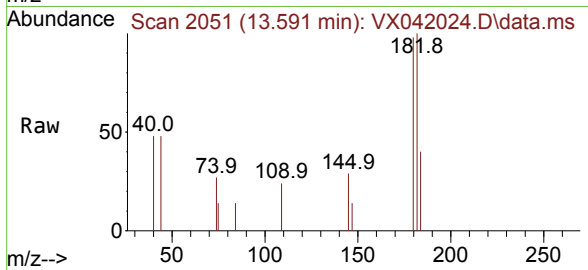




#93
1,2,4-Trichlorobenzene
Concen: 0.249 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX042024.D
Acq: 25 Jun 2024 12:02

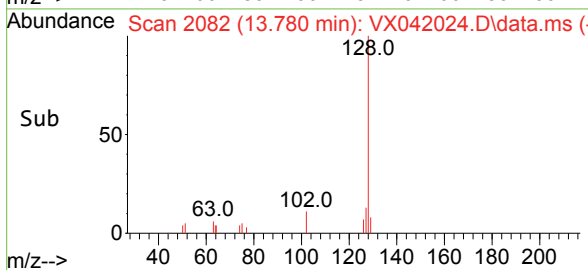
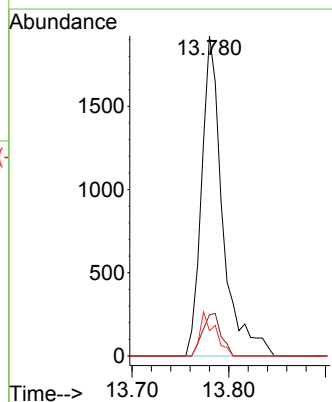
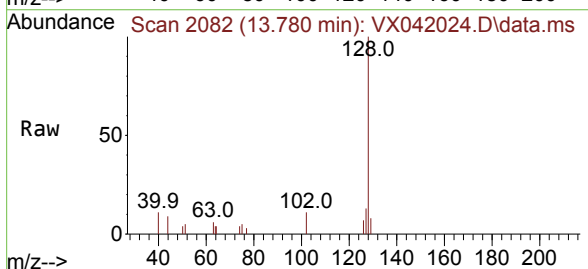
Instrument :
MSVOA_X
ClientSampleId :

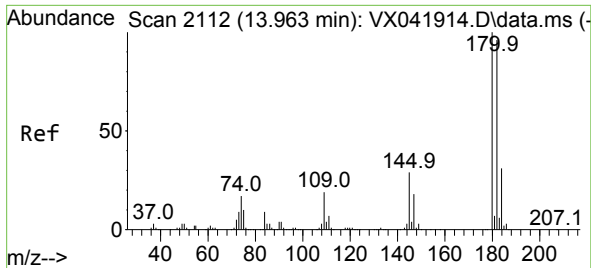
Tgt Ion:180 Resp: 632
Ion Ratio Lower Upper
180 100
182 104.0 48.3 144.8
145 29.0 18.0 54.0



#95
Naphthalene
Concen: 1.084 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX042024.D
Acq: 25 Jun 2024 12:02

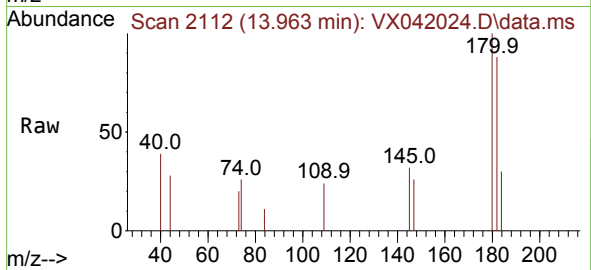
Tgt Ion:128 Resp: 2911
Ion Ratio Lower Upper
128 100
127 11.6 10.3 15.5
129 9.8 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.303 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX042024.D
 Acq: 25 Jun 2024 12:02

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	810
Ion Ratio	Lower	Upper	
180	100		
182	85.8	46.9	140.6
145	24.2	17.8	53.5

