

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071624\
 Data File : VX042334.D
 Acq On : 16 Jul 2024 10:20
 Operator : JC/MD
 Sample : VX0716MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 17 05:32:49 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)

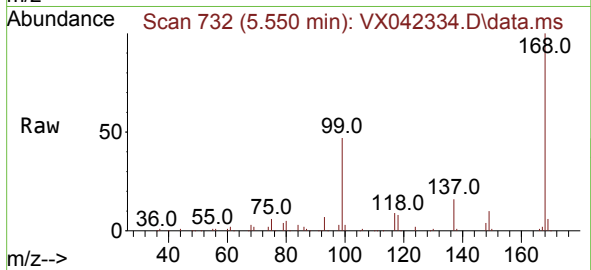
Internal Standards						
1) Pentafluorobenzene	5.550	168	113166	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	171440	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	142925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70038	53.671	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.340%	
35) Dibromofluoromethane	5.385	113	67011	55.087	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.180%	
50) Toluene-d8	8.647	98	198061	46.346	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 92.700%	
62) 4-Bromofluorobenzene	11.079	95	66335	42.109	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 84.220%	
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	283	0.262	ug/l	# 43
5) Bromomethane	1.599	94	585	1.093	ug/l	82
6) Chloroethane	1.709	64	20	Below Cal	#	43
10) Methyl Iodide	2.441	142	322	0.265	ug/l	# 53
11) Tert butyl alcohol	2.995	59	203	0.820	ug/l	# 78
13) Acrolein	2.239	56	236	0.850	ug/l	# 68
15) Acrylonitrile	3.087	53	276	0.427	ug/l	# 77
16) Acetone	2.392	43	2331	4.068	ug/l	# 82
17) Carbon Disulfide	2.502	76	1103	0.554	ug/l	97
18) Methyl Acetate	2.709	43	603	0.386	ug/l	# 65
20) Methylene Chloride	2.782	84	888	0.708	ug/l	# 76
21) trans-1,2-Dichloroethene	3.087	96	306	0.309	ug/l	# 69
29) Tetrahydrofuran	5.080	42	119	0.207	ug/l	# 34
31) Cyclohexane	5.538	56	1599	1.048	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	6356	4.920	ug/l	# 50
38) Carbon Tetrachloride	5.550	117	9504	6.659	ug/l	# 15
53) t-1,3-Dichloropropene	9.000	75	47	0.923	ug/l	# 43
71) Bromoform	11.067	173	46	0.922	ug/l	# 29
76) 1,2,3-Trichloropropane	11.079	75	29355	27.034	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	29355	76.775	ug/l	# 5
82) 4-Chlorotoluene	11.463	91	606	0.216	ug/l	93
87) 1,3-Dichlorobenzene	11.976	146	503	0.264	ug/l	86
88) 1,4-Dichlorobenzene	11.976	146	503	0.257	ug/l	87
91) 1,2-Dichlorobenzene	12.341	146	423	0.217	ug/l	78
93) 1,2,4-Trichlorobenzene	13.597	180	640	0.501	ug/l	97
94) Hexachlorobutadiene	13.725	225	213	0.330	ug/l	85
95) Naphthalene	13.780	128	3406	1.530	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	911	0.677	ug/l	93

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

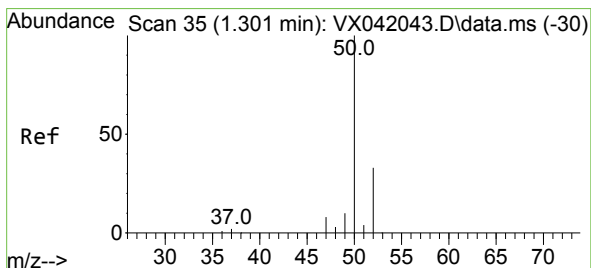
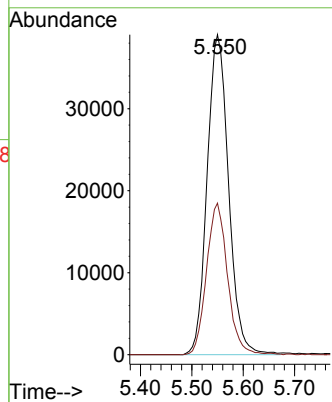
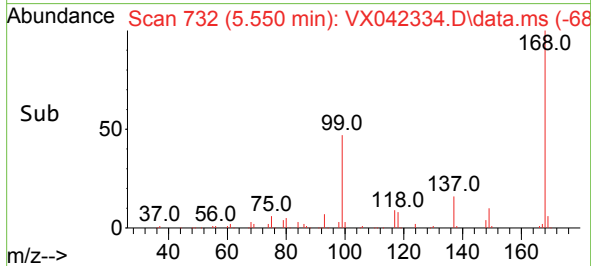


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

Instrument :
MSVOA_X
ClientSampleId :

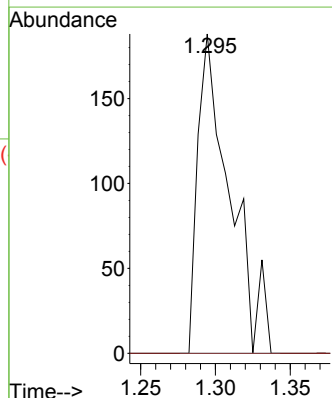
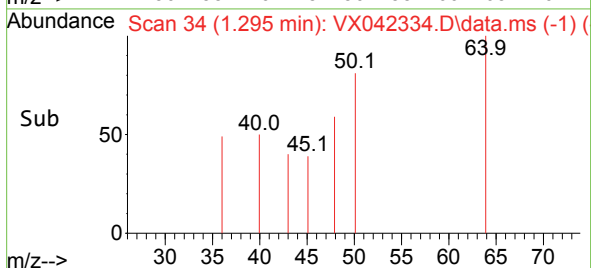
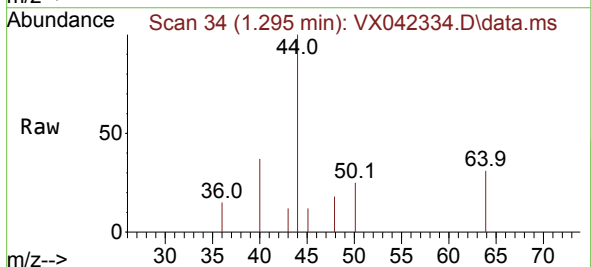


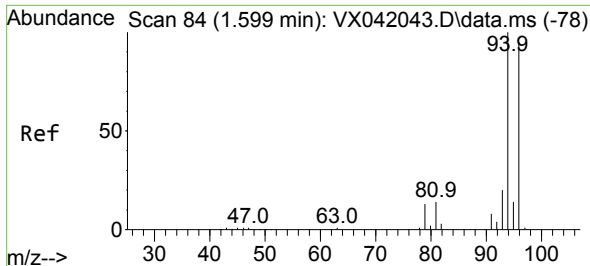
Tgt Ion:168 Resp: 113166
Ion Ratio Lower Upper
168 100
99 47.4 56.6 85.0#



#3
Chloromethane
Concen: 0.262 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

Tgt Ion: 50 Resp: 283
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

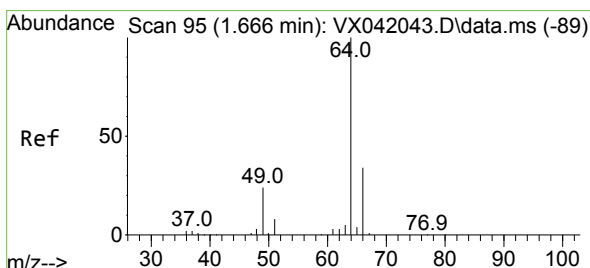
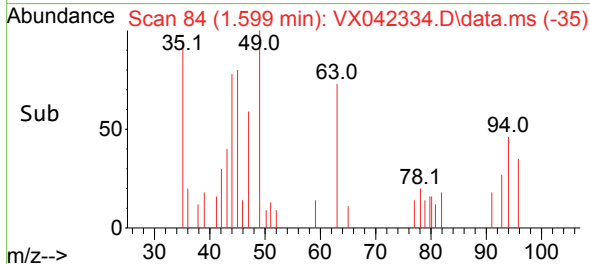
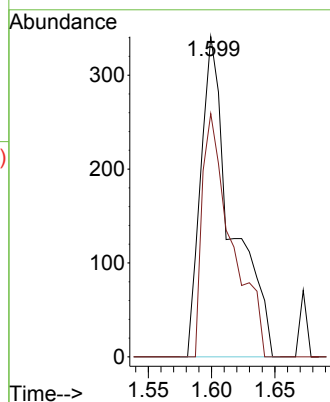
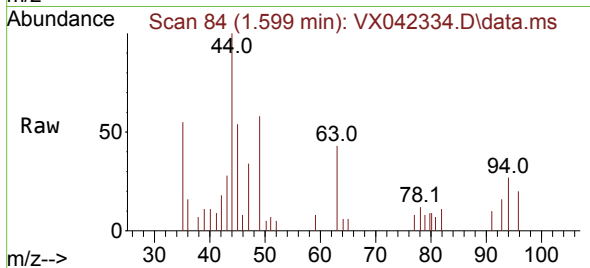




#5
Bromomethane
Concen: 1.093 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

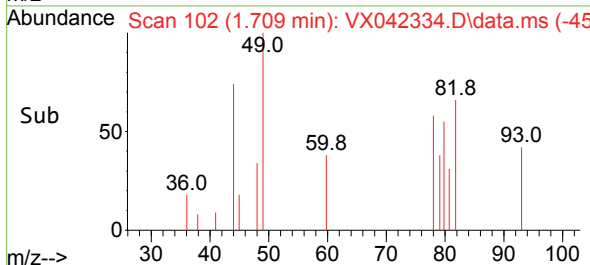
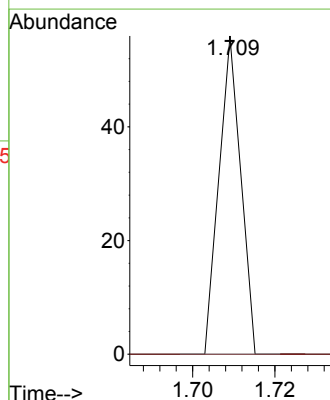
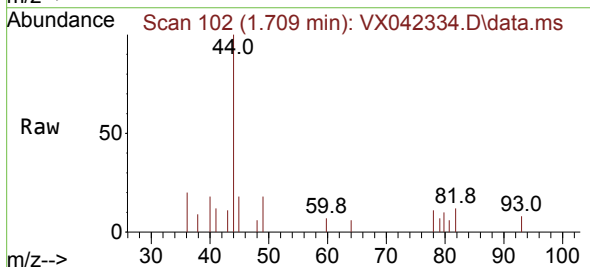
Instrument :
MSVOA_X
ClientSampleId :

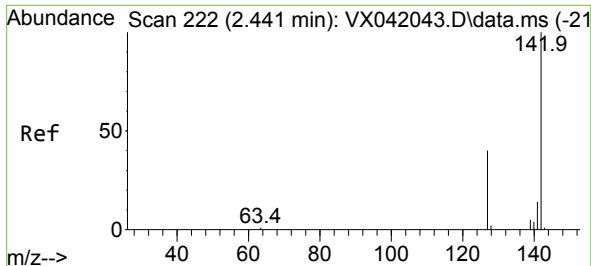
Tgt Ion: 94 Resp: 585
Ion Ratio Lower Upper
94 100
96 76.0 74.6 111.8



#6
Chloroethane
Concen: Below Cal
RT: 1.709 min Scan# 102
Delta R.T. 0.049 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

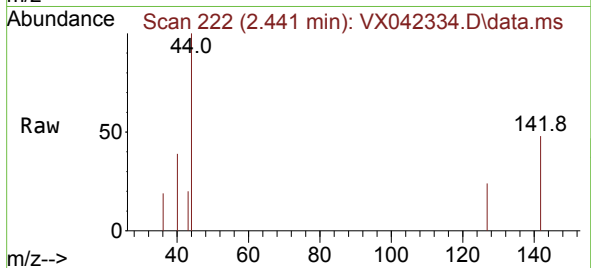
Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



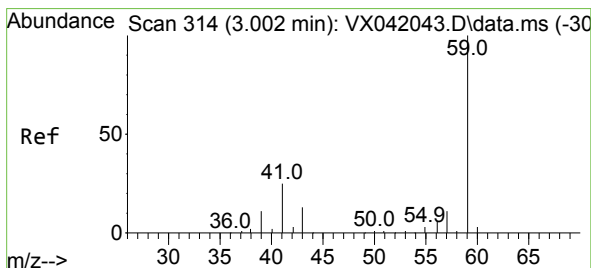
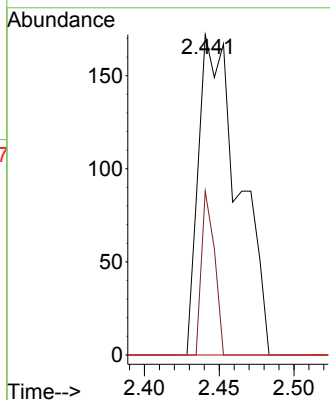
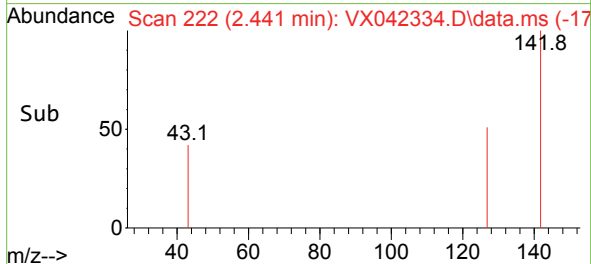


#10
Methyl Iodide
Concen: 0.265 ug/l
RT: 2.441 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

Instrument :
MSVOA_X
ClientSampleId :

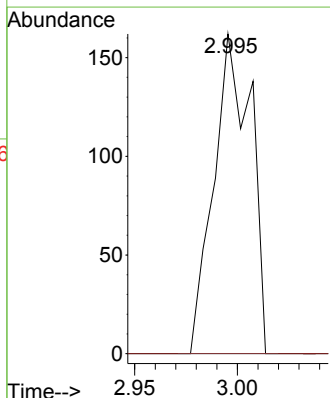
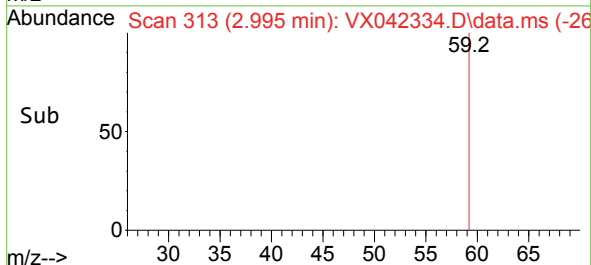
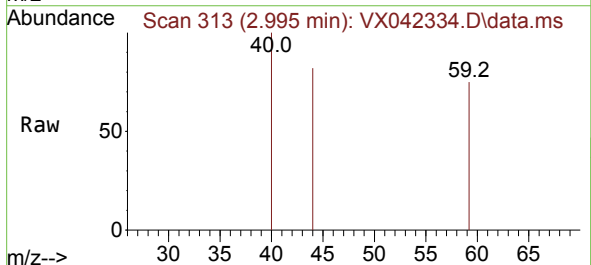


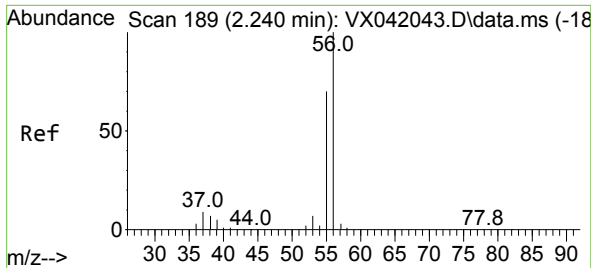
Tgt Ion:142 Resp: 322
Ion Ratio Lower Upper
142 100
127 16.5 41.6 62.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.820 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.012 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

Tgt Ion: 59 Resp: 203
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

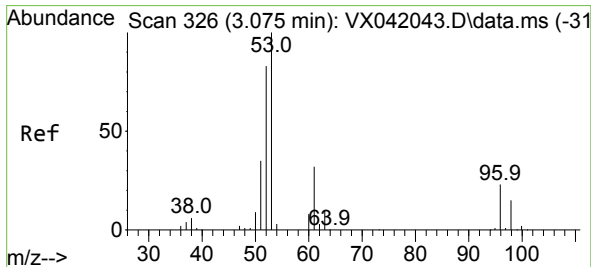
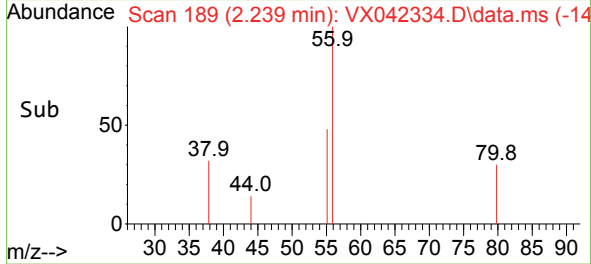
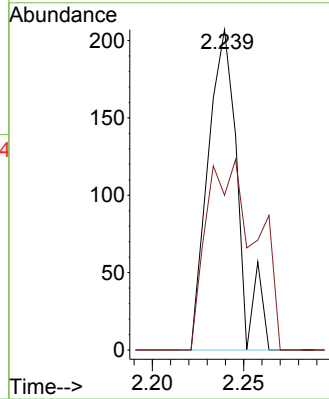
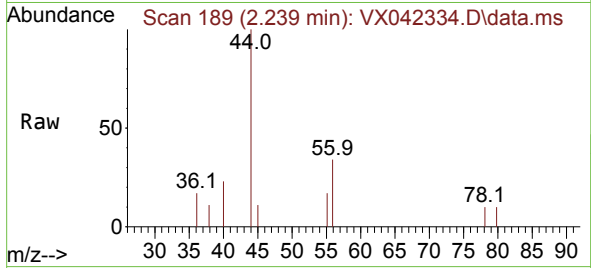




#13
Acrolein
Concen: 0.850 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

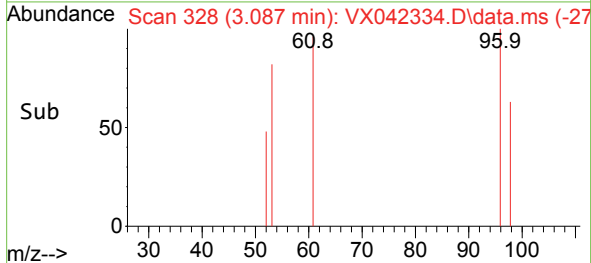
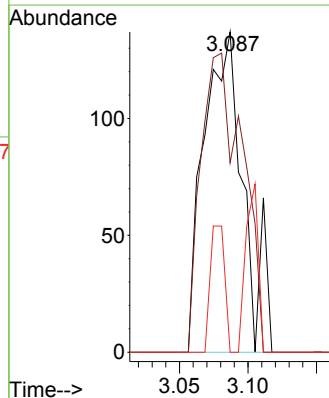
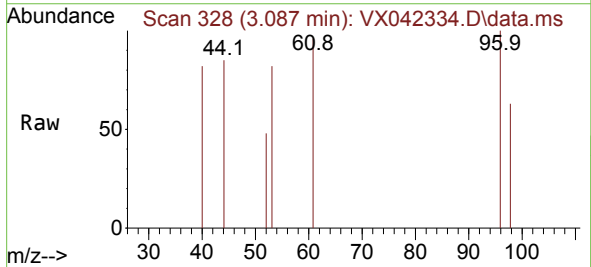
Instrument :
MSVOA_X
ClientSampleId :

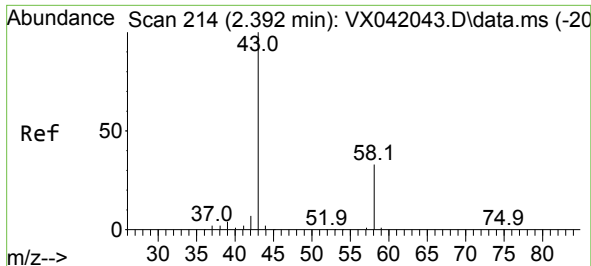
Tgt Ion: 56 Resp: 236
Ion Ratio Lower Upper
56 100
55 97.9 57.1 85.7#



#15
Acrylonitrile
Concen: 0.427 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.012 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

Tgt Ion: 53 Resp: 276
Ion Ratio Lower Upper
53 100
52 97.5 66.0 99.0
51 14.5 29.8 44.6#

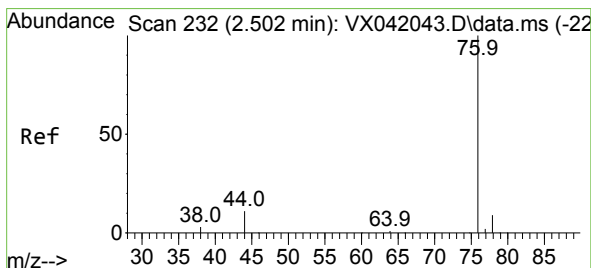
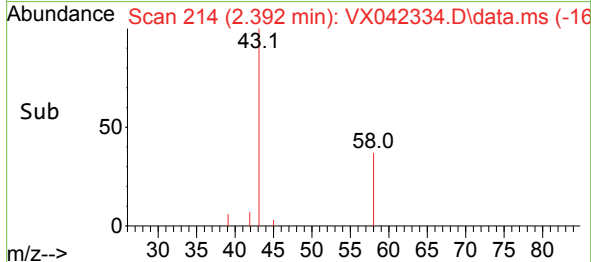
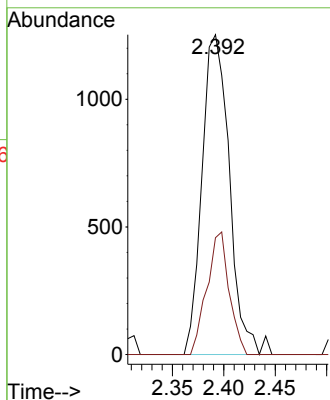
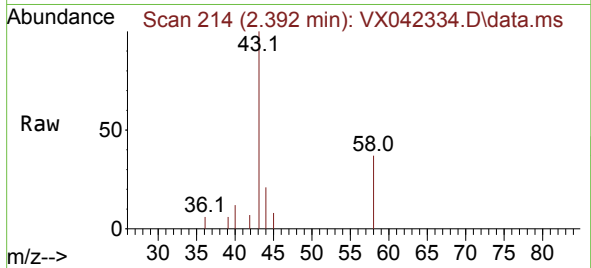




#16
Acetone
Concen: 4.068 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

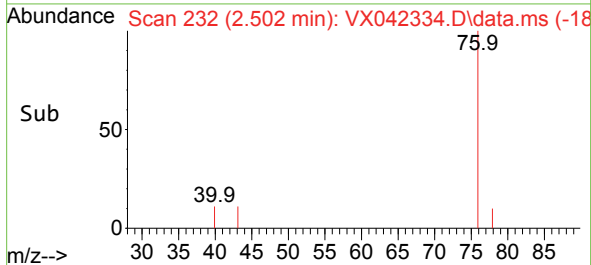
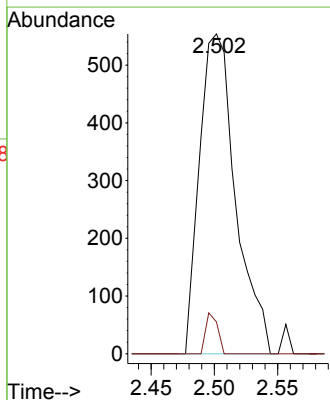
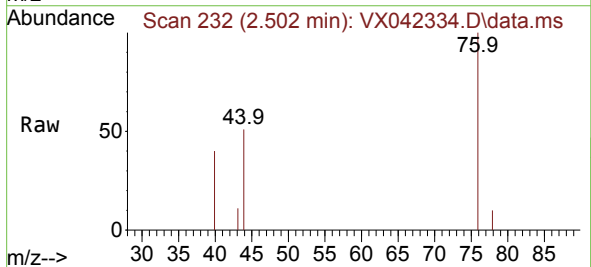
Instrument :
MSVOA_X
ClientSampleId :

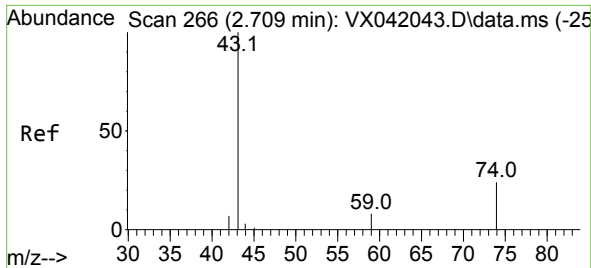
Tgt Ion: 43 Resp: 2331
Ion Ratio Lower Upper
43 100
58 36.6 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.554 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

Tgt Ion: 76 Resp: 1103
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.6

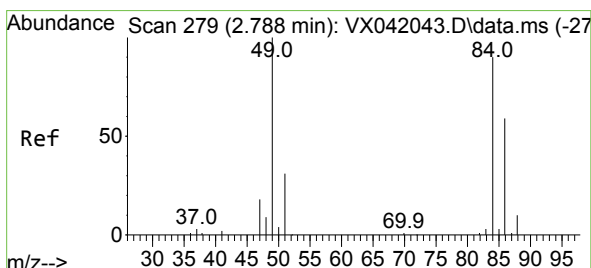
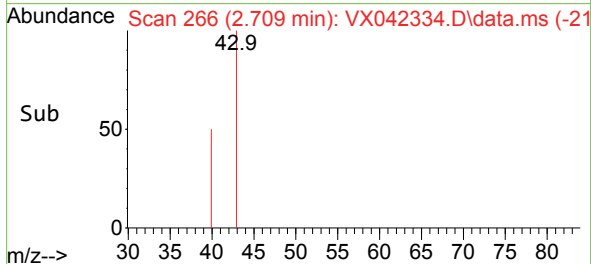
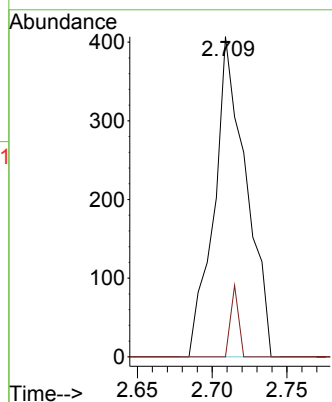
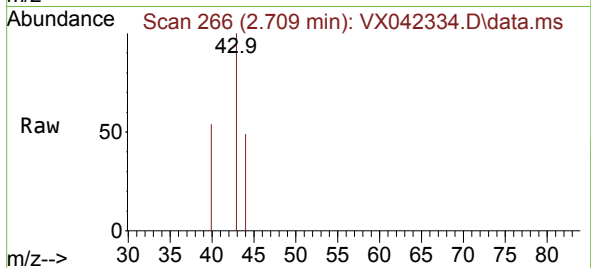




#18
Methyl Acetate
Concen: 0.386 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

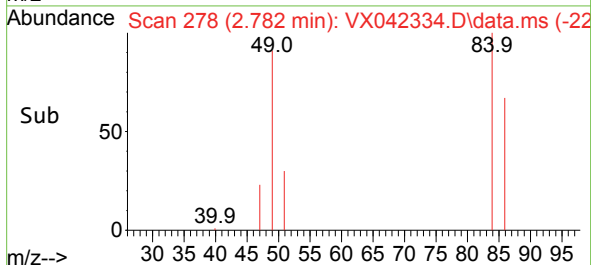
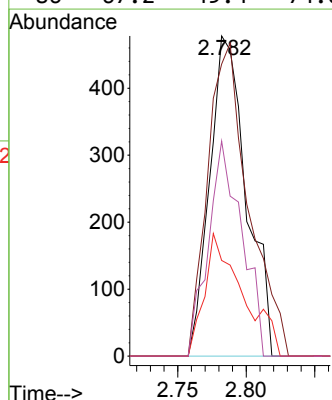
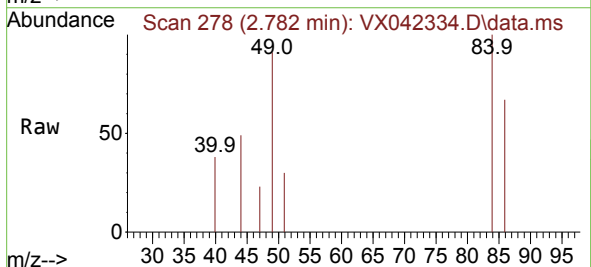
Instrument :
MSVOA_X
ClientSampleId :

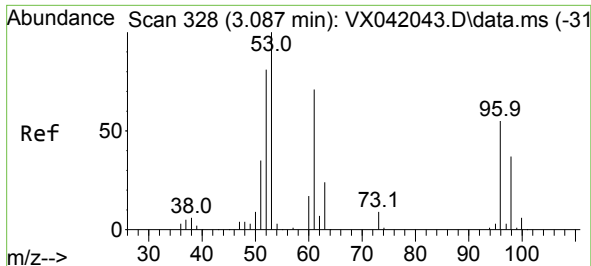
Tgt Ion: 43 Resp: 603
Ion Ratio Lower Upper
43 100
74 5.5 17.8 26.8#



#20
Methylene Chloride
Concen: 0.708 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

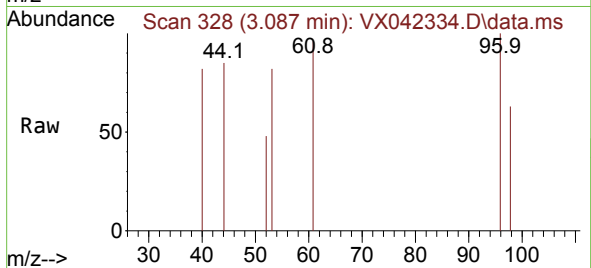
Tgt Ion: 84 Resp: 888
Ion Ratio Lower Upper
84 100
49 91.2 103.6 155.4#
51 29.9 33.8 50.6#
86 67.2 49.4 74.0



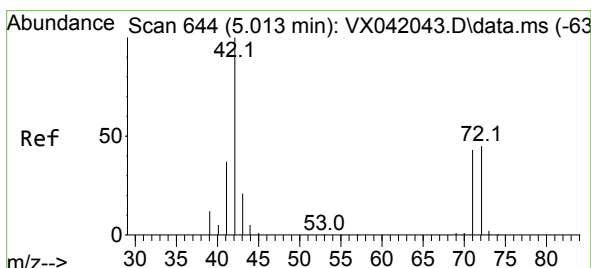
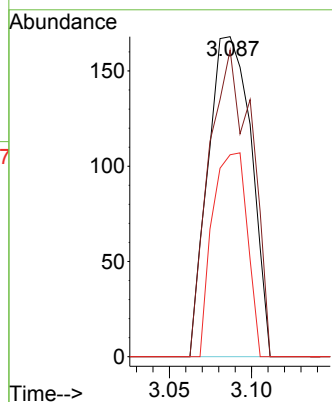
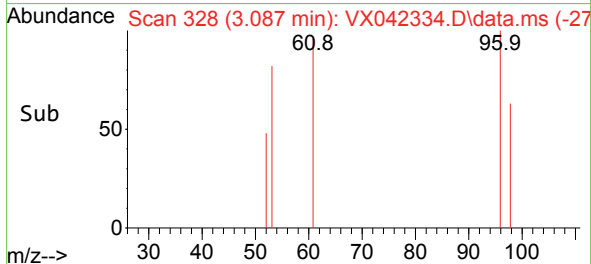


#21
trans-1,2-Dichloroethene
Concen: 0.309 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

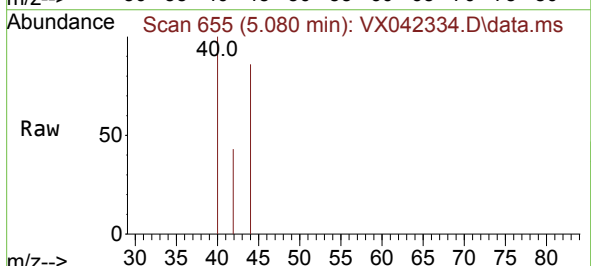
Instrument :
MSVOA_X
ClientSampleId :



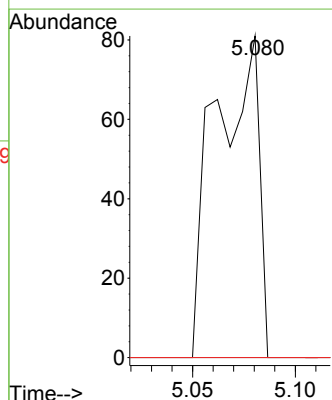
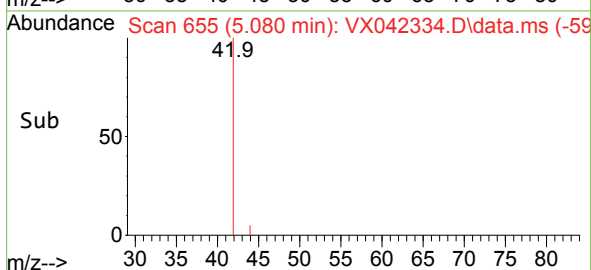
Tgt Ion: 96 Resp: 306
Ion Ratio Lower Upper
96 100
61 95.8 119.2 178.8#
98 63.1 48.7 73.1

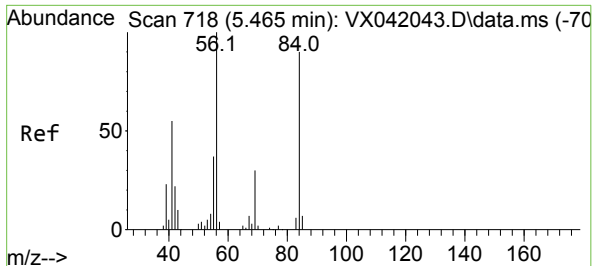


#29
Tetrahydrofuran
Concen: 0.207 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.061 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20



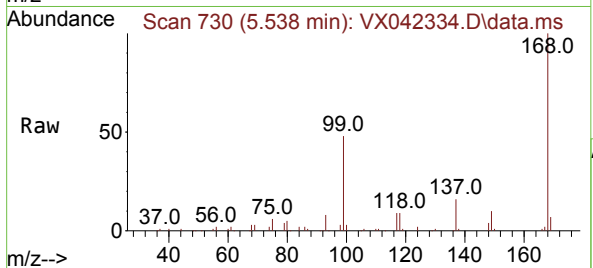
Tgt Ion: 42 Resp: 119
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#



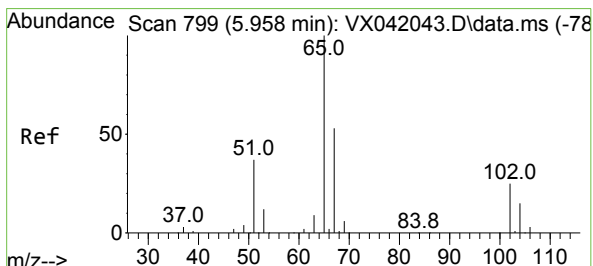
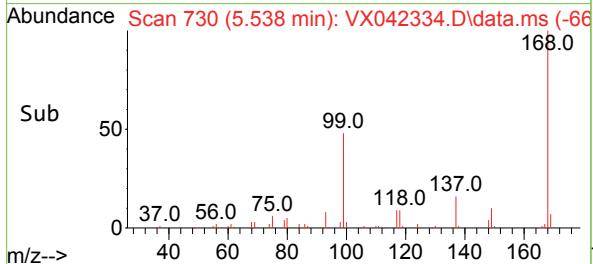
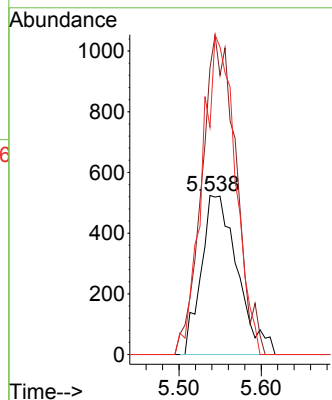


#31
Cyclohexane
Concen: 1.048 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

Instrument :
MSVOA_X
ClientSampleId :

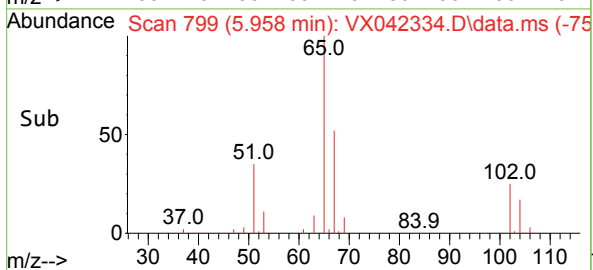
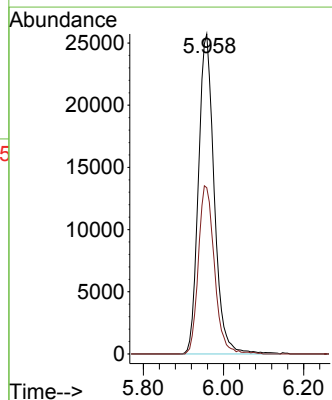
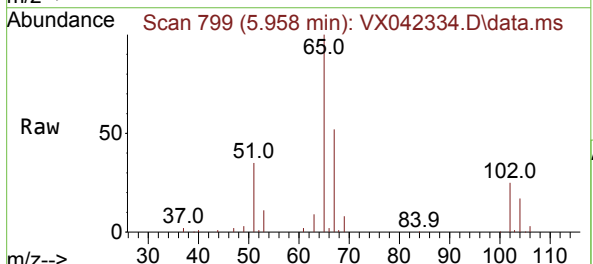


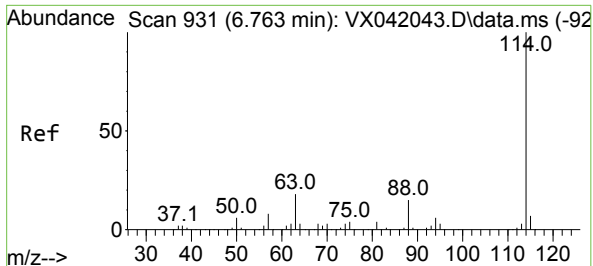
Tgt Ion: 56 Resp: 1599
Ion Ratio Lower Upper
56 100
69 180.2 23.4 35.2#
84 142.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 53.671 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

Tgt Ion: 65 Resp: 70038
Ion Ratio Lower Upper
65 100
67 53.4 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX042334.D

Acq: 16 Jul 2024 10:20

Instrument :

MSVOA_X

ClientSampleId :

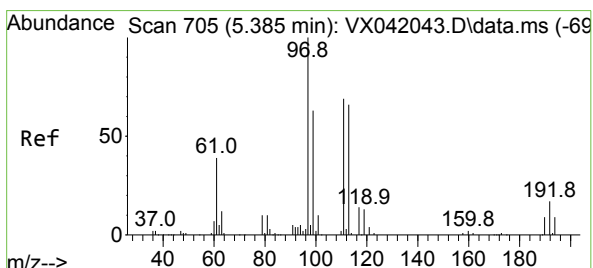
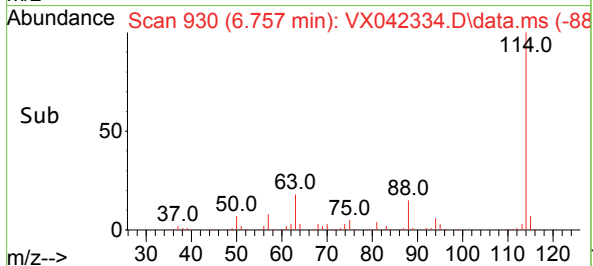
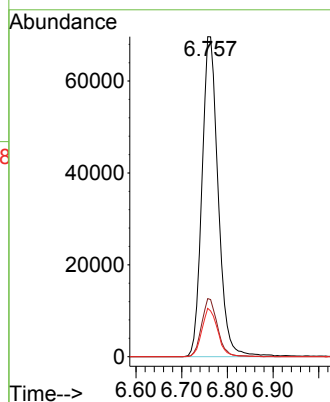
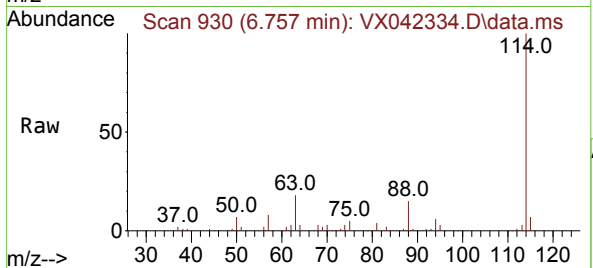
Tgt Ion:114 Resp: 171440

Ion Ratio Lower Upper

114 100

63 18.2 0.0 45.0

88 15.1 0.0 36.6



#35

Dibromofluoromethane

Concen: 55.087 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX042334.D

Acq: 16 Jul 2024 10:20

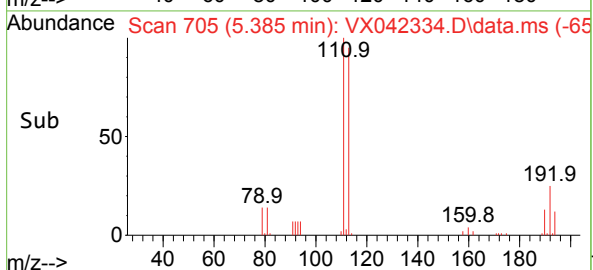
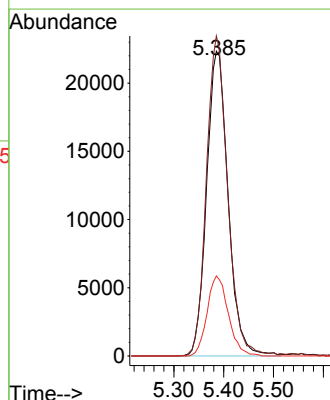
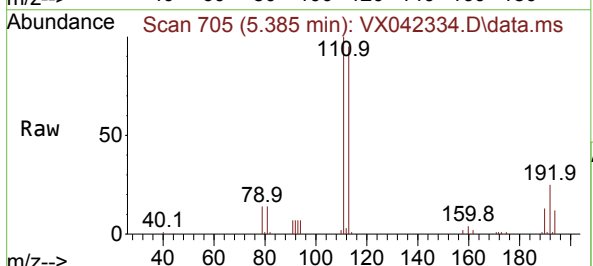
Tgt Ion:113 Resp: 67011

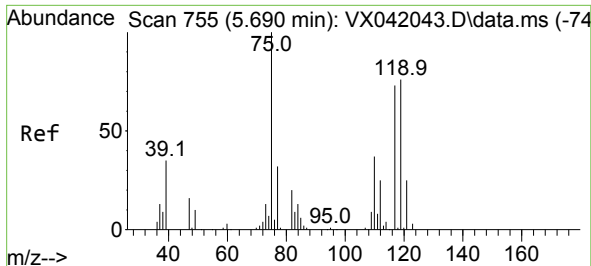
Ion Ratio Lower Upper

113 100

111 102.8 82.9 124.3

192 25.8 13.3 19.9#

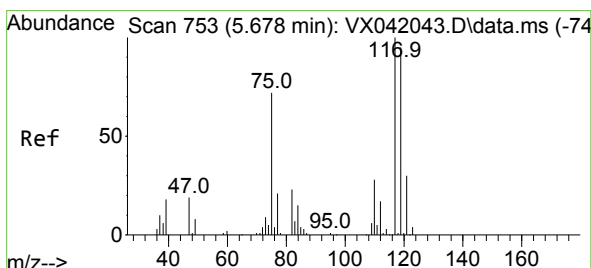
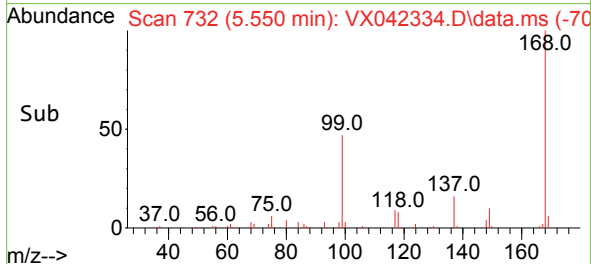
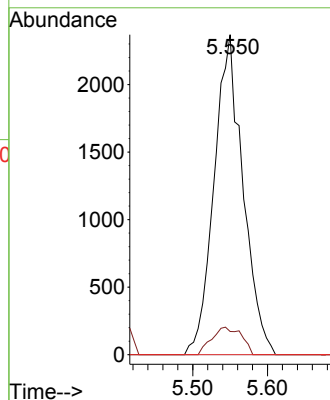
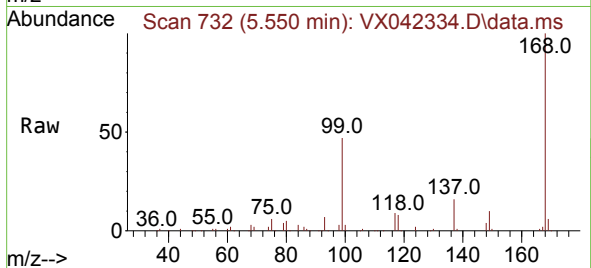




#36
1,1-Dichloropropene
Concen: 4.920 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.140 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

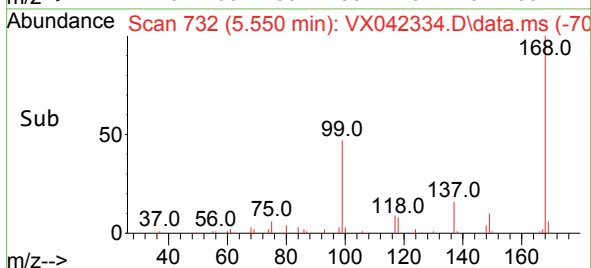
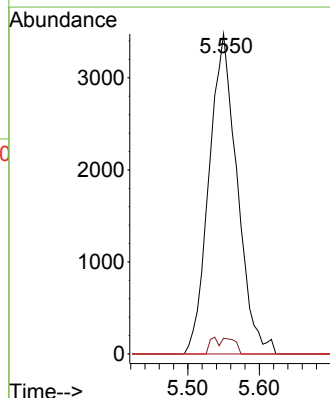
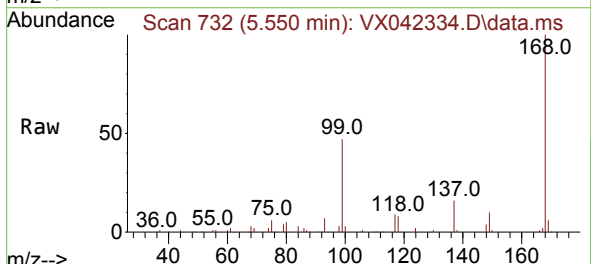
Instrument :
MSVOA_X
ClientSampleId :

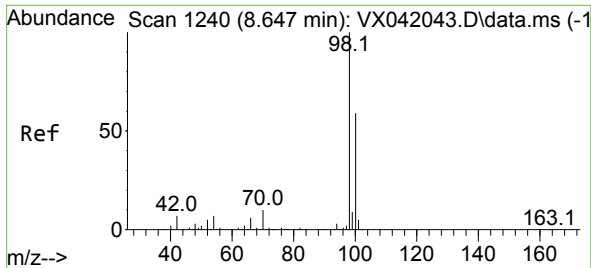
Tgt Ion: 75 Resp: 6356
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.659 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

Tgt Ion: 117 Resp: 9504
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 24.4 36.6#

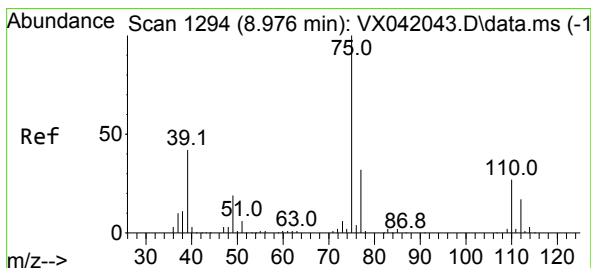
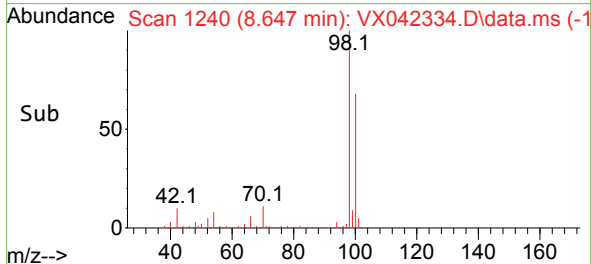
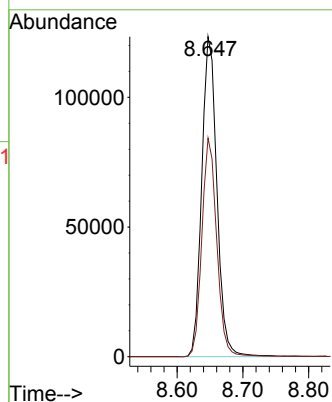
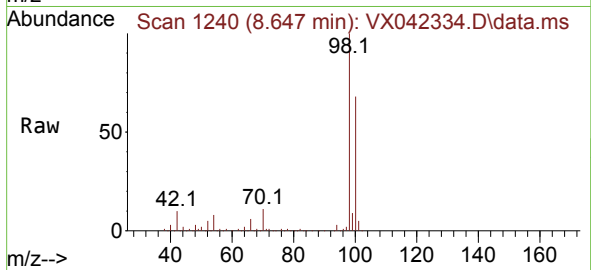




#50
Toluene-d8
Concen: 46.346 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

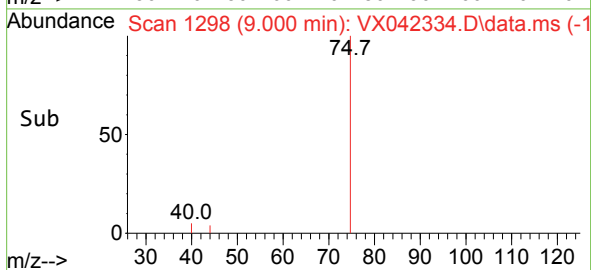
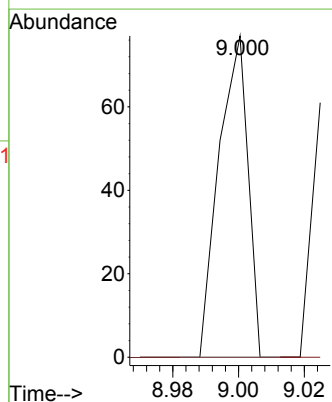
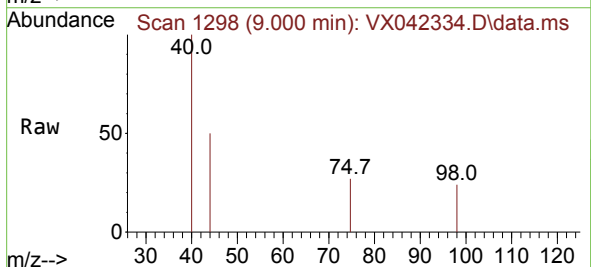
Instrument :
MSVOA_X
ClientSampleId :

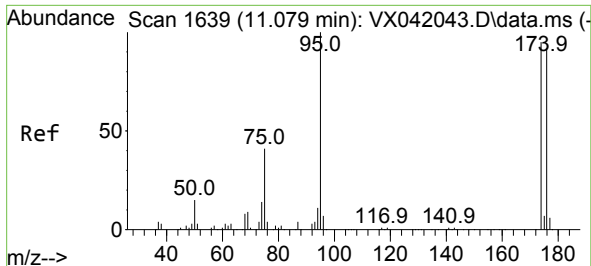
Tgt Ion: 98 Resp: 198061
Ion Ratio Lower Upper
98 100
100 67.1 53.1 79.7



#53
t-1,3-Dichloropropene
Concen: 0.923 ug/l
RT: 9.000 min Scan# 1298
Delta R.T. 0.018 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

Tgt Ion: 75 Resp: 47
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

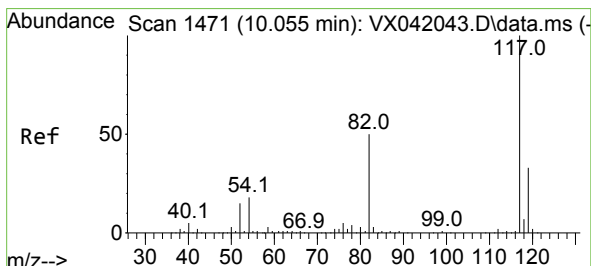
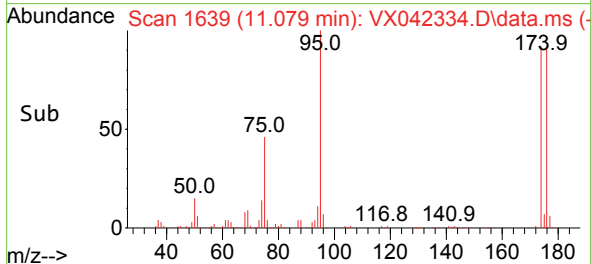
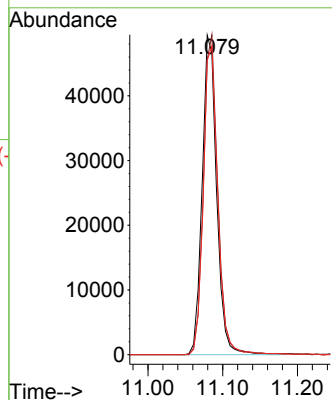
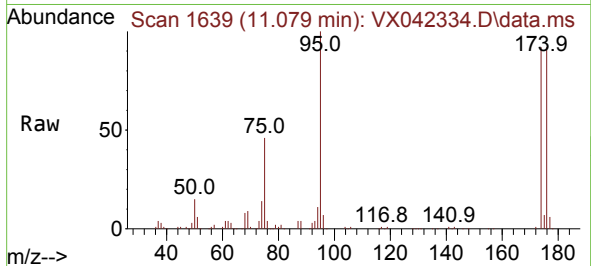




#62
4-Bromofluorobenzene
Concen: 42.109 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

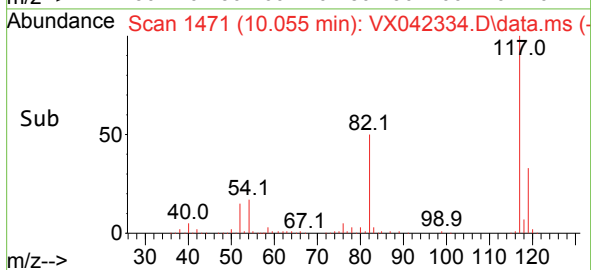
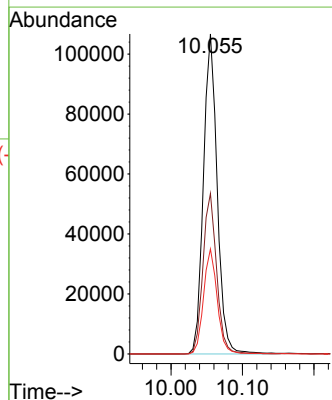
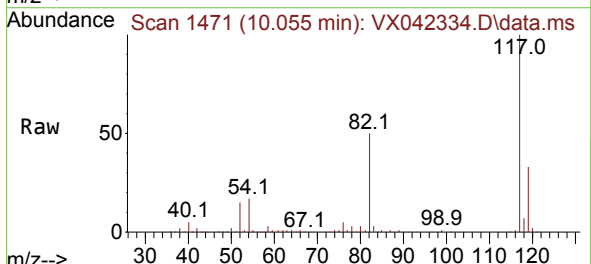
Instrument :
MSVOA_X
ClientSampleId :

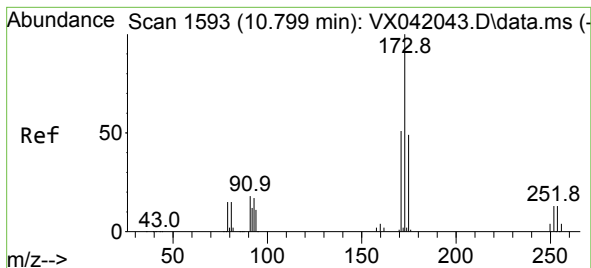
Tgt Ion: 95 Resp: 66335
Ion Ratio Lower Upper
95 100
174 99.8 0.0 135.6
176 96.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

Tgt Ion: 117 Resp: 142925
Ion Ratio Lower Upper
117 100
82 50.1 46.2 69.4
119 32.8 25.5 38.3





#71

Bromoform

Concen: 0.922 ug/l

RT: 11.067 min Scan# 1

Delta R.T. 0.268 min

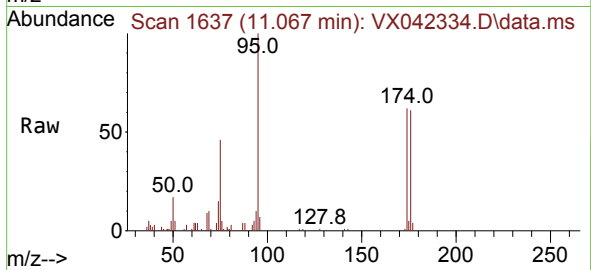
Lab File: VX042334.D

Acq: 16 Jul 2024 10:20

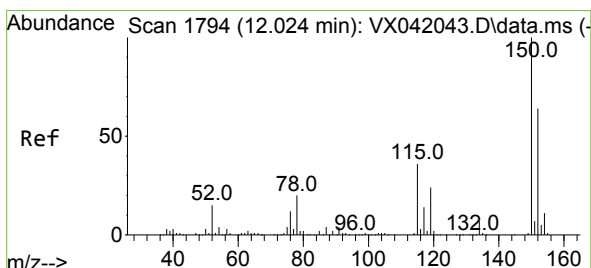
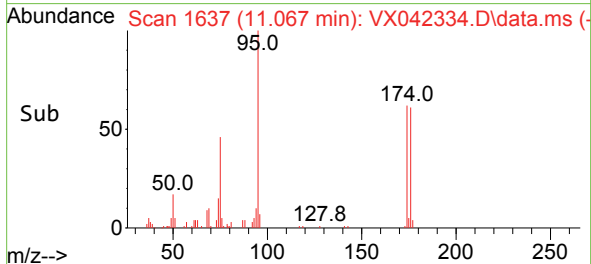
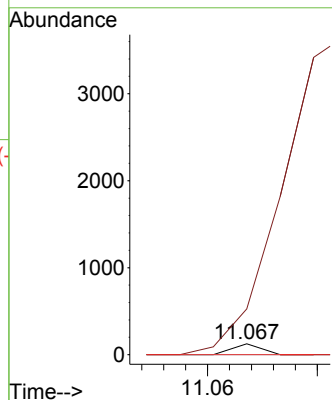
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	173	Resp:	46
Ion Ratio	Lower	Upper	
173	100		
175	0.0	24.1	72.4#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

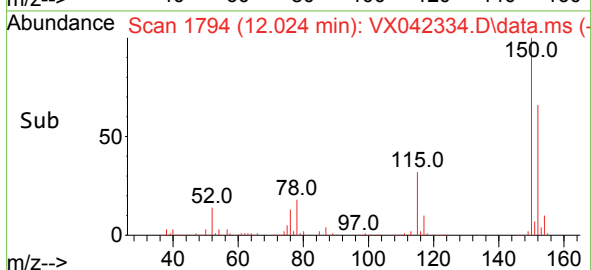
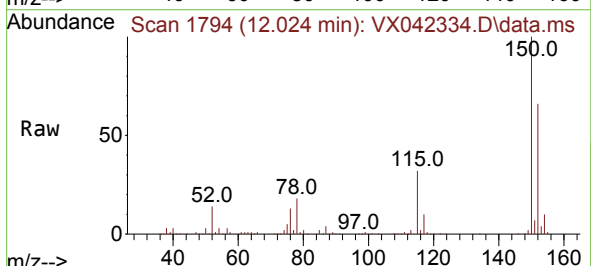
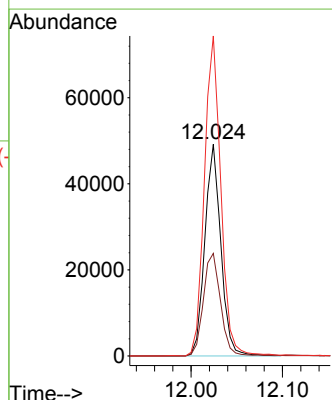
RT: 12.024 min Scan# 1794

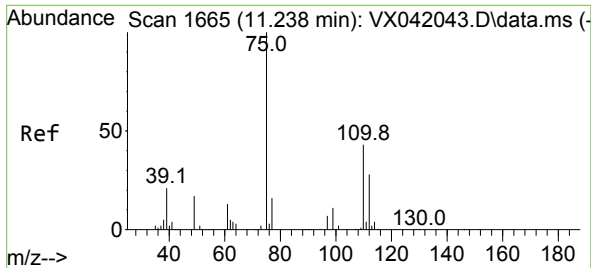
Delta R.T. 0.000 min

Lab File: VX042334.D

Acq: 16 Jul 2024 10:20

Tgt Ion:	152	Resp:	59813
Ion Ratio	Lower	Upper	
152	100		
115	52.0	43.3	129.9
150	155.7	0.0	345.0

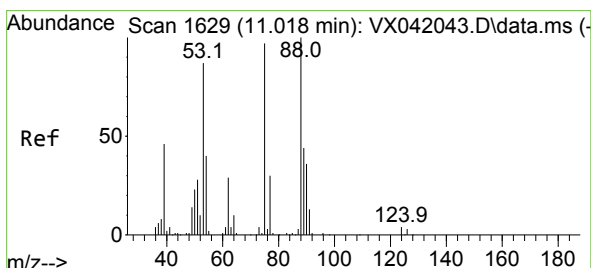
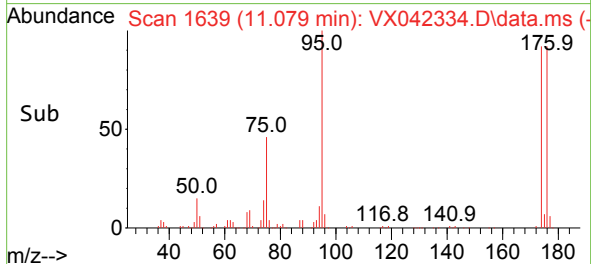
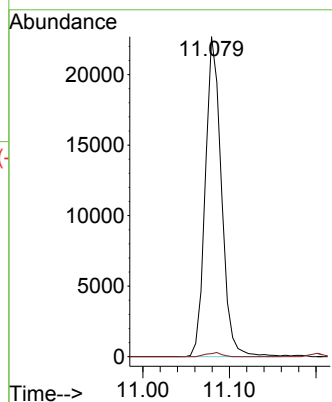
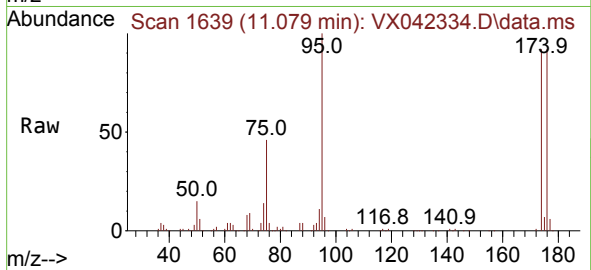




#76
1,2,3-Trichloropropane
Concen: 27.034 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

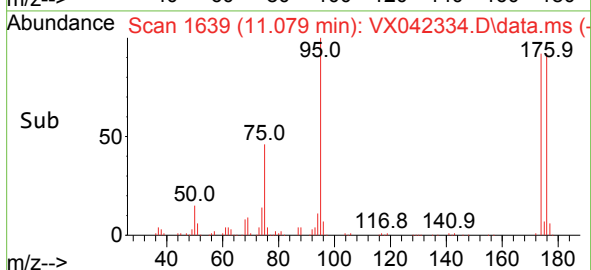
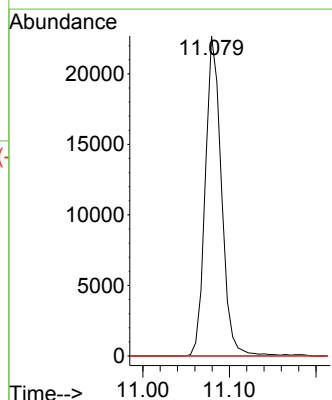
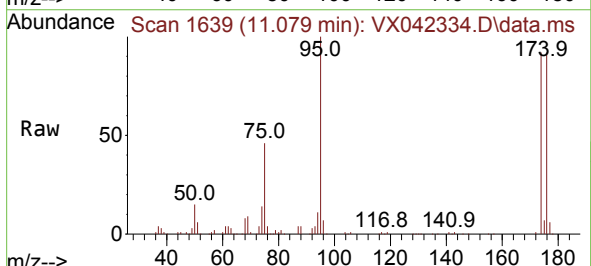
Instrument :
MSVOA_X
ClientSampleId :

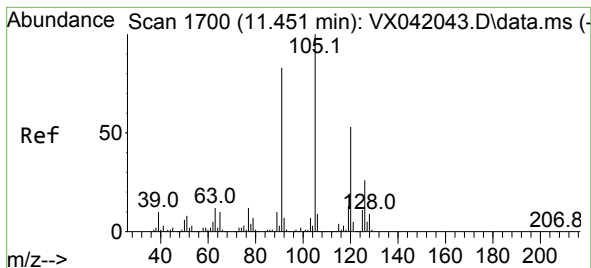
Tgt Ion: 75 Resp: 29355
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.775 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

Tgt Ion: 75 Resp: 29355
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#82

4-Chlorotoluene

Concen: 0.216 ug/l

RT: 11.463 min Scan# 1702

Delta R.T. 0.006 min

Lab File: VX042334.D

Acq: 16 Jul 2024 10:20

Instrument :

MSVOA_X

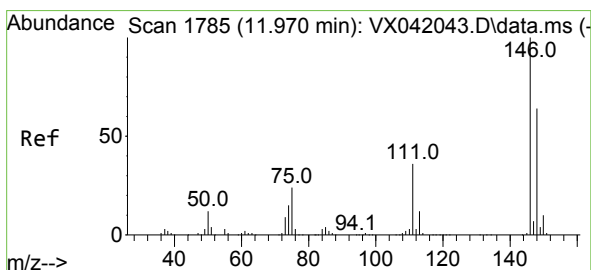
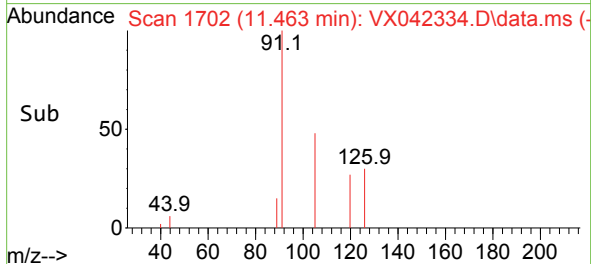
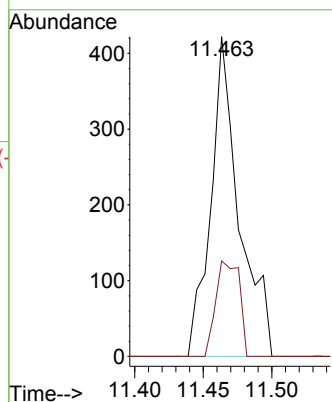
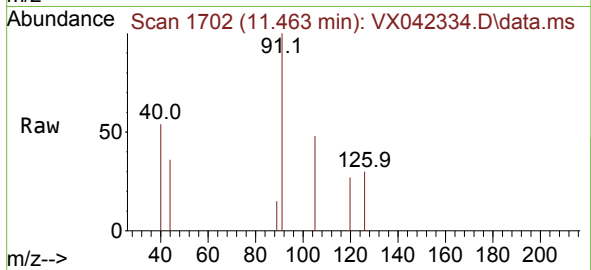
ClientSampleId :

Tgt Ion: 91 Resp: 606

Ion Ratio Lower Upper

91 100

126 24.8 14.2 42.6



#87

1,3-Dichlorobenzene

Concen: 0.264 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX042334.D

Acq: 16 Jul 2024 10:20

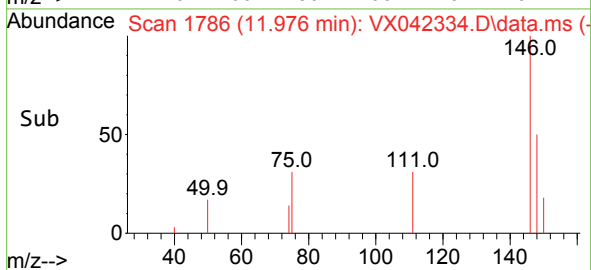
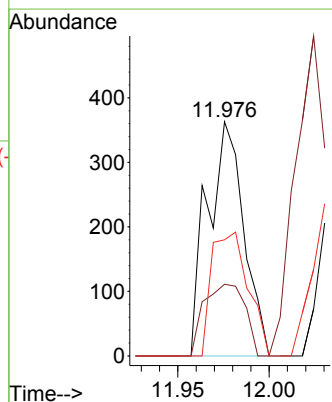
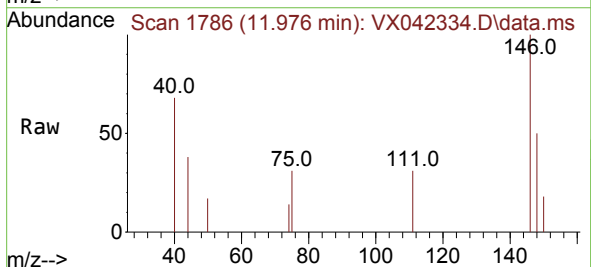
Tgt Ion:146 Resp: 503

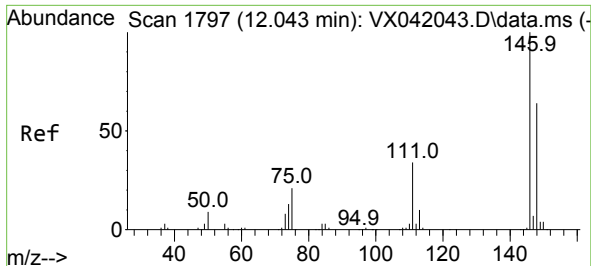
Ion Ratio Lower Upper

146 100

111 34.4 22.1 66.1

148 53.1 31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 0.257 ug/l

RT: 11.976 min Scan# 11

Delta R.T. -0.067 min

Lab File: VX042334.D

Acq: 16 Jul 2024 10:20

Instrument :

MSVOA_X

ClientSampleId :

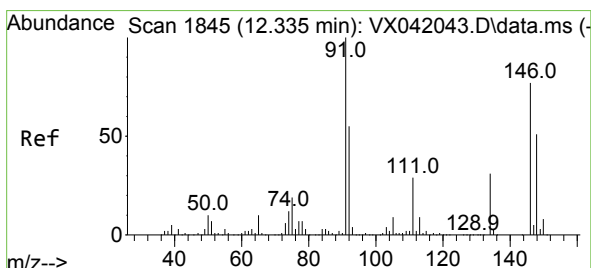
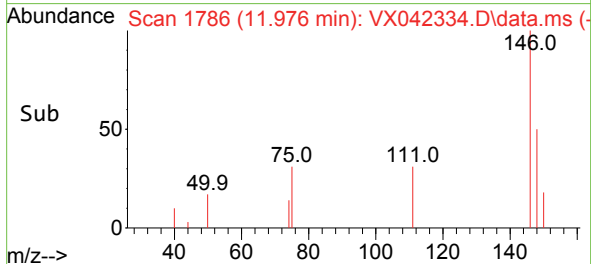
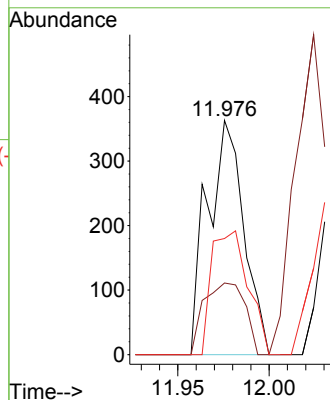
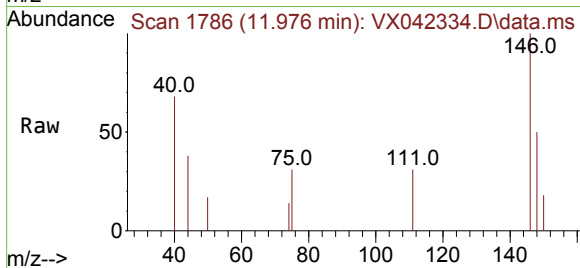
Tgt Ion:146 Resp: 503

Ion Ratio Lower Upper

146 100

111 34.4 21.3 63.7

148 53.1 31.8 95.4



#91

1,2-Dichlorobenzene

Concen: 0.217 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX042334.D

Acq: 16 Jul 2024 10:20

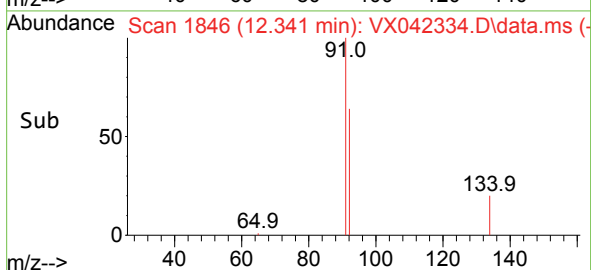
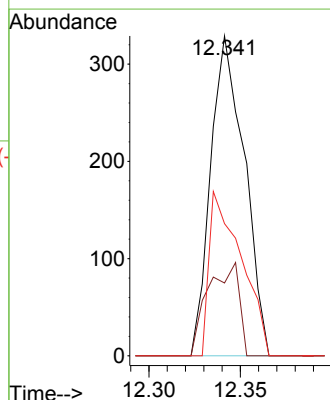
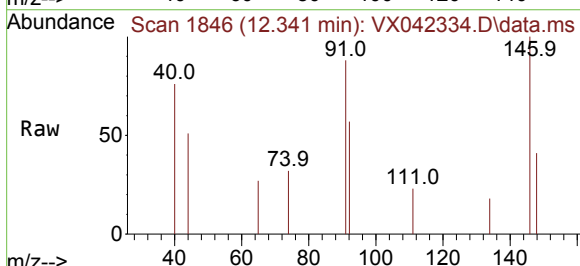
Tgt Ion:146 Resp: 423

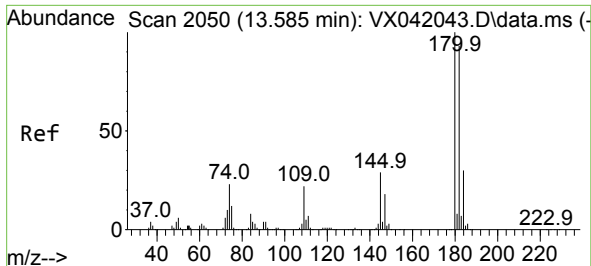
Ion Ratio Lower Upper

146 100

111 26.7 22.4 67.0

148 48.9 31.6 95.0

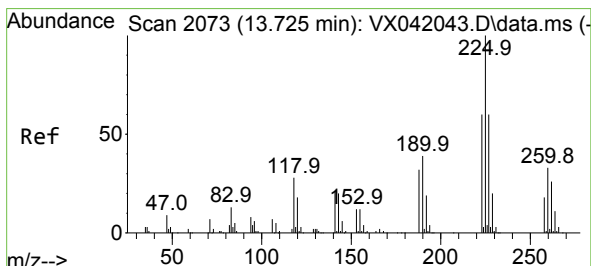
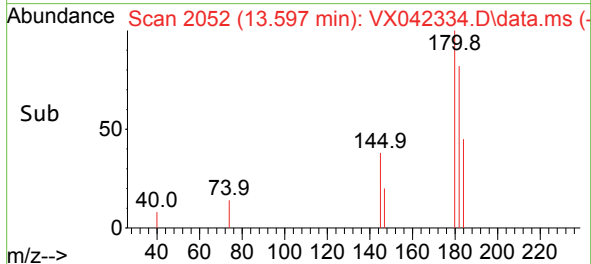
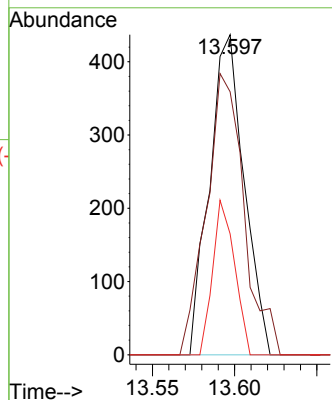
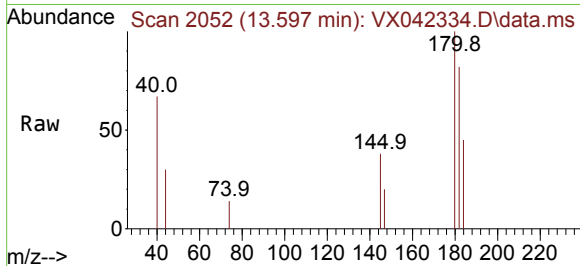




#93
1,2,4-Trichlorobenzene
Concen: 0.501 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

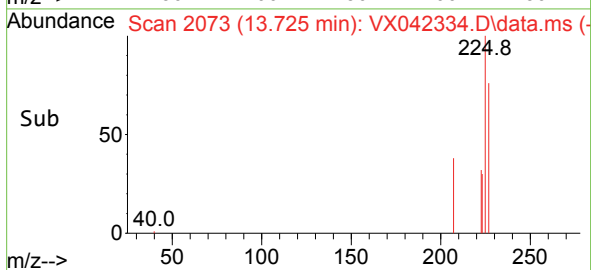
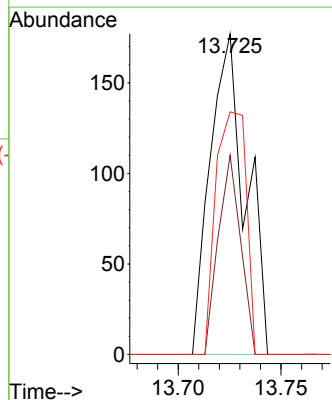
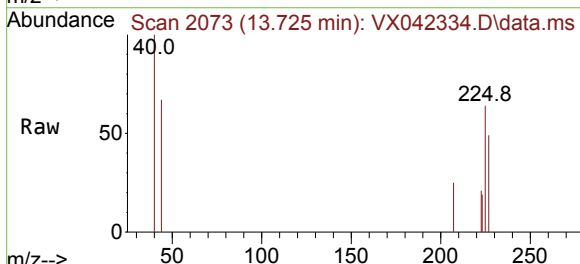
Instrument :
MSVOA_X
ClientSampleId :

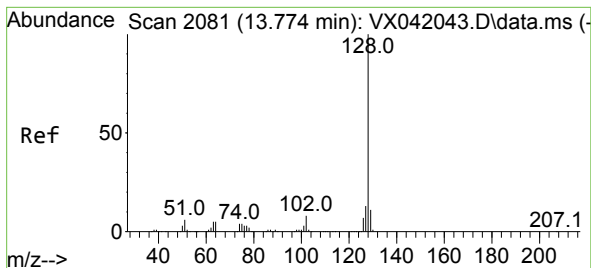
Tgt Ion:180 Resp: 640
Ion Ratio Lower Upper
180 100
182 95.3 48.3 144.8
145 30.5 18.0 54.0



#94
Hexachlorobutadiene
Concen: 0.330 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX042334.D
Acq: 16 Jul 2024 10:20

Tgt Ion:225 Resp: 213
Ion Ratio Lower Upper
225 100
223 39.0 31.1 93.2
227 64.3 32.5 97.5





#95

Naphthalene

Concen: 1.530 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

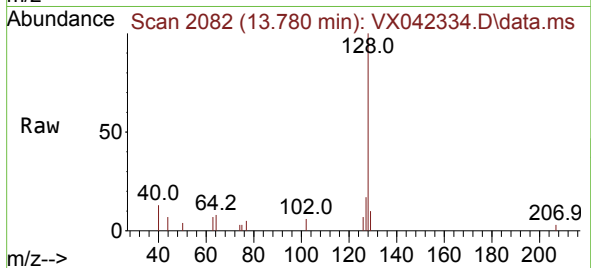
Lab File: VX042334.D

Acq: 16 Jul 2024 10:20

Instrument :

MSVOA_X

ClientSampleId :



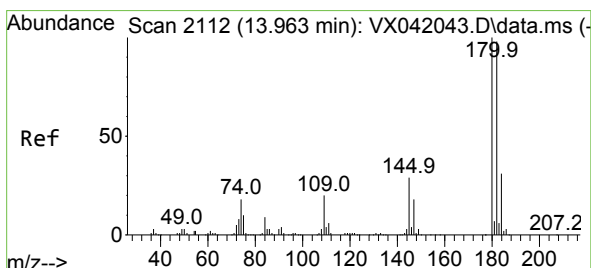
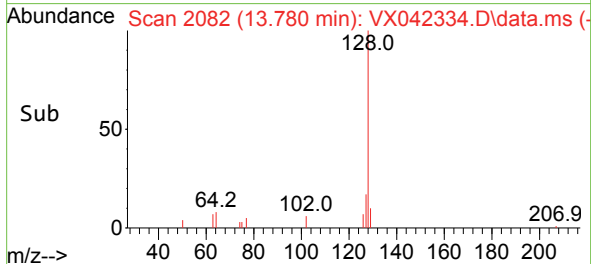
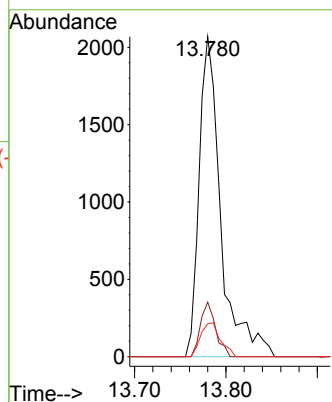
Tgt Ion:128 Resp: 3406

Ion Ratio Lower Upper

128 100

127 11.9 10.3 15.5

129 9.6 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.677 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX042334.D

Acq: 16 Jul 2024 10:20

Tgt Ion:180 Resp: 911

Ion Ratio Lower Upper

180 100

182 93.0 46.9 140.6

145 21.5 17.8 53.5

