

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050124\
 Data File : VX041318.D
 Acq On : 01 May 2024 12:02
 Operator : JC/MD
 Sample : P2264-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 02 03:07:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 02:38:17 2024
 Response via : Initial Calibration

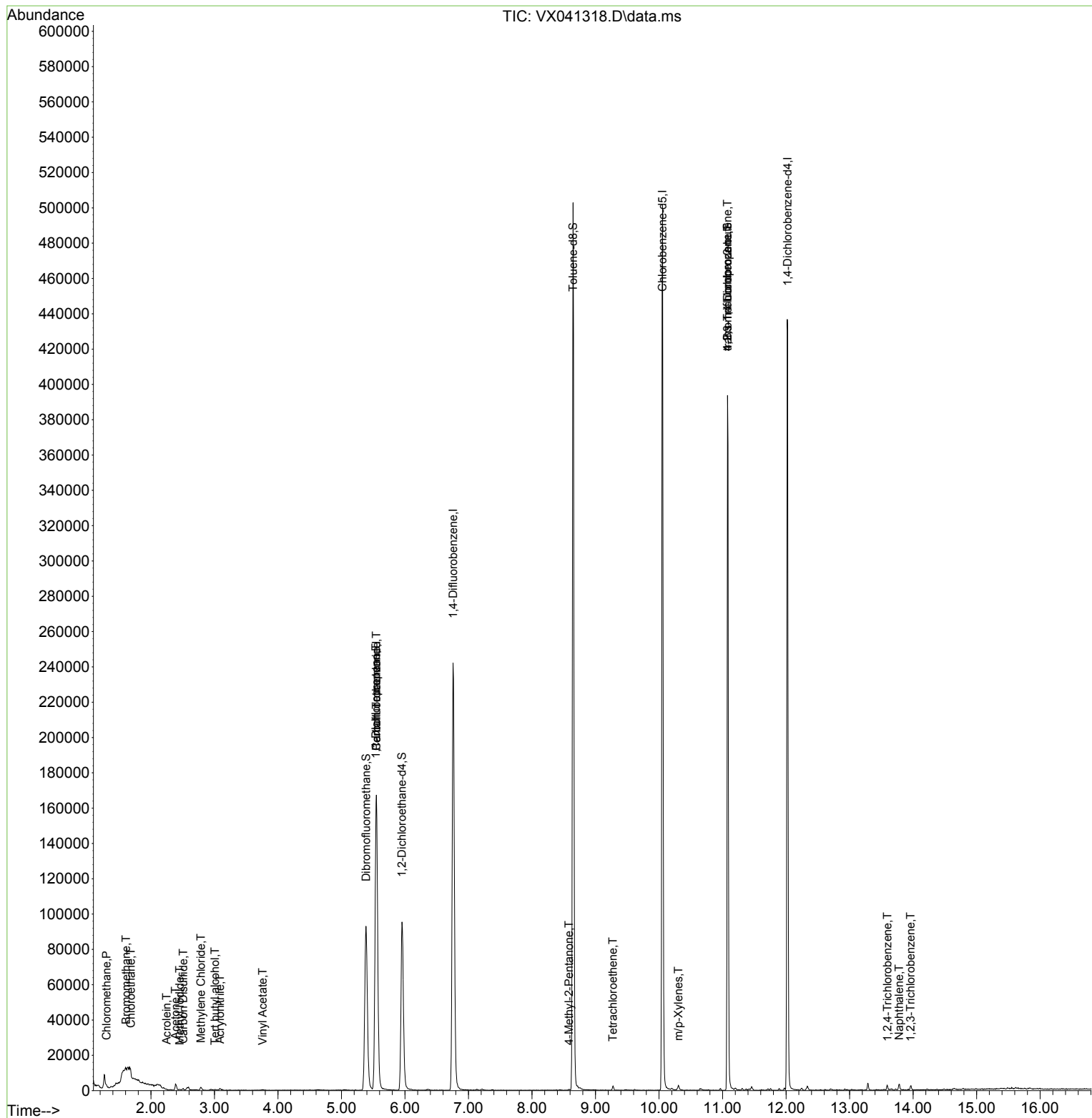
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	181906	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	263530	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	243280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96172	48.564	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.120%
35) Dibromofluoromethane	5.385	113	80085	44.844	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.680%
50) Toluene-d8	8.647	98	297365	52.608	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	105.220%
62) 4-Bromofluorobenzene	11.079	95	97814	44.703	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.400%
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	574	0.371	ug/l	93
5) Bromomethane	1.605	94	629	0.680	ug/l	86
6) Chloroethane	1.685	64	988	1.443	ug/l	# 66
10) Methyl Iodide	2.453	142	492	0.320	ug/l	# 90
11) Tert butyl alcohol	3.008	59	783	1.975	ug/l	# 78
13) Acrolein	2.245	56	117	0.372	ug/l	# 38
15) Acrylonitrile	3.087	53	326	0.360	ug/l	89
16) Acetone	2.386	43	3768	0.416	ug/l	98
17) Carbon Disulfide	2.508	76	1330	0.401	ug/l	96
20) Methylene Chloride	2.788	84	854	0.497	ug/l	# 93
23) Vinyl Acetate	3.757	43	908	0.202	ug/l	# 73
36) 1,1-Dichloropropene	5.544	75	11196	5.243	ug/l	# 50
38) Carbon Tetrachloride	5.550	117	15637	6.392	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.580	43	540	0.225	ug/l	# 78
64) Tetrachloroethene	9.275	164	516	0.293	ug/l	# 78
68) m/p-Xylenes	10.305	106	752	0.230	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	49611	29.949	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	49611	81.577	ug/l	# 5
93) 1,2,4-Trichlorobenzene	13.597	180	835	0.355	ug/l	92
95) Naphthalene	13.780	128	3134	0.450	ug/l	# 95
96) 1,2,3-Trichlorobenzene	13.963	180	1024	0.426	ug/l	91

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

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Instrument :
MSVOA_X
ClientSampleId :

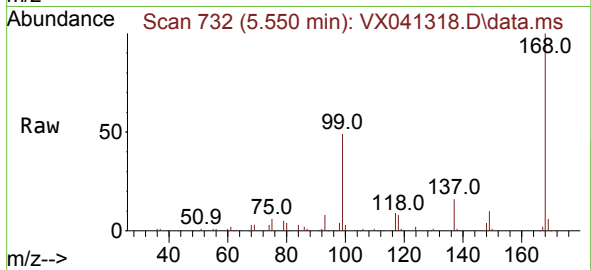
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
Quant Title : SW846 8260
QLast Update : Wed May 01 02:38:17 2024
Response via : Initial Calibration



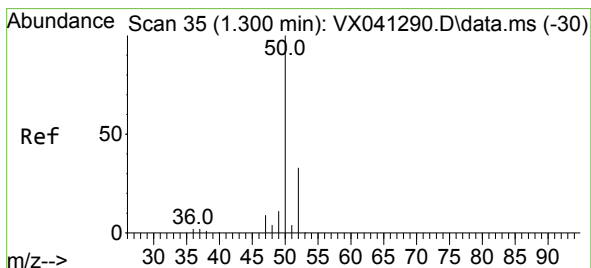
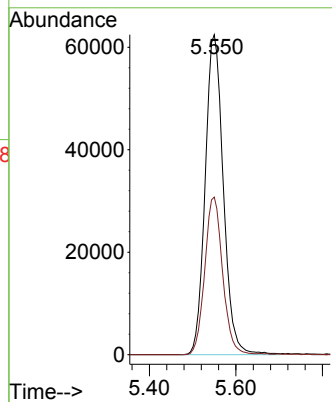
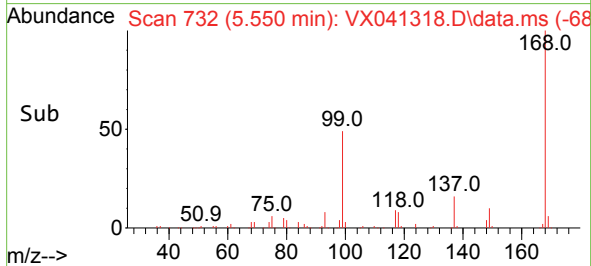


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041318.D
Acq: 01 May 2024 12:02

Instrument :
MSVOA_X
ClientSampleId :

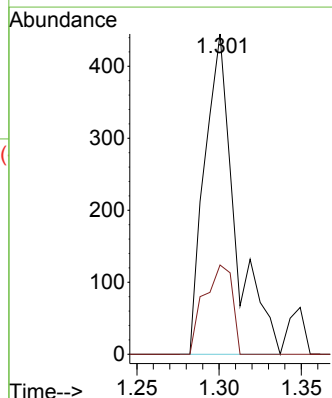
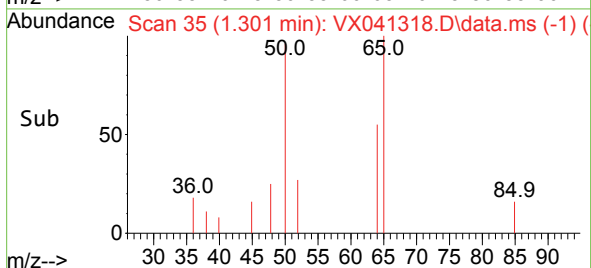
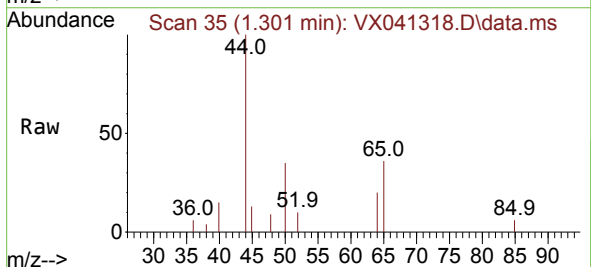


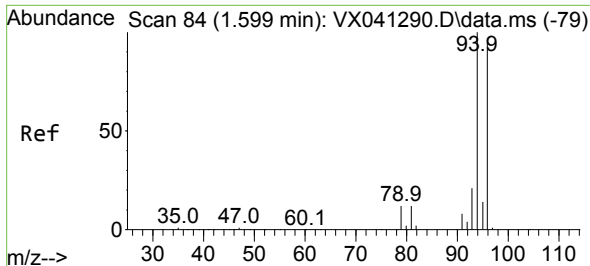
Tgt Ion:168 Resp: 181906
Ion Ratio Lower Upper
168 100
99 49.3 56.6 85.0#



#3
Chloromethane
Concen: 0.371 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX041318.D
Acq: 01 May 2024 12:02

Tgt Ion: 50 Resp: 574
Ion Ratio Lower Upper
50 100
52 27.9 25.5 38.3

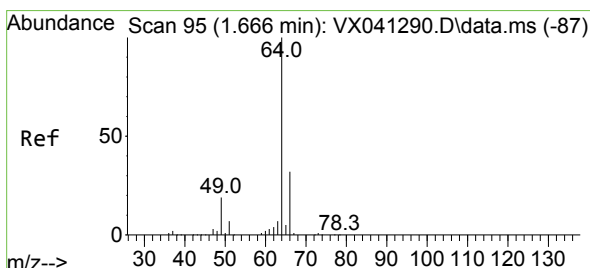
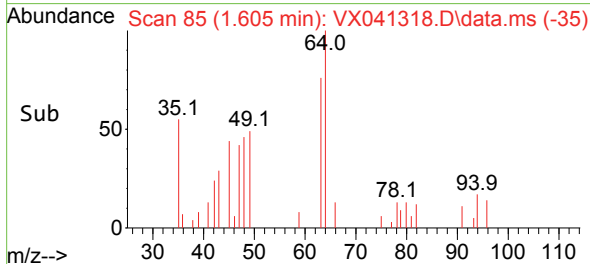
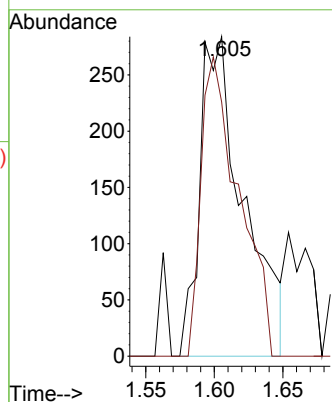
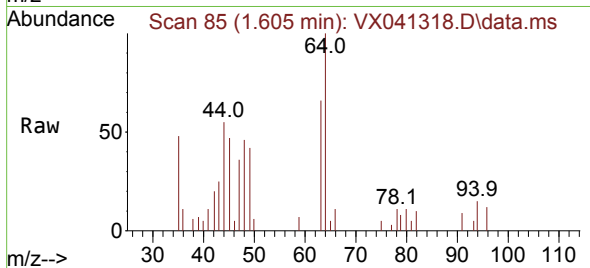




#5
Bromomethane
Concen: 0.680 ug/l
RT: 1.605 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX041318.D
Acq: 01 May 2024 12:02

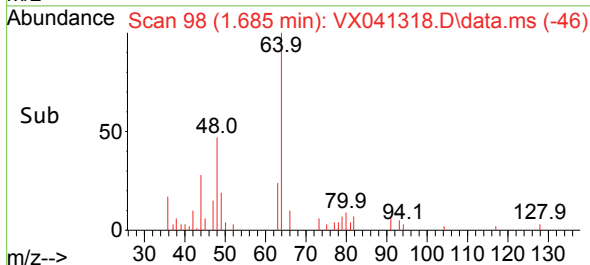
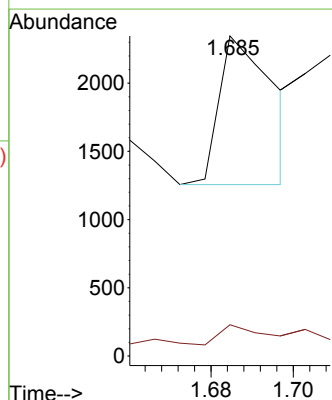
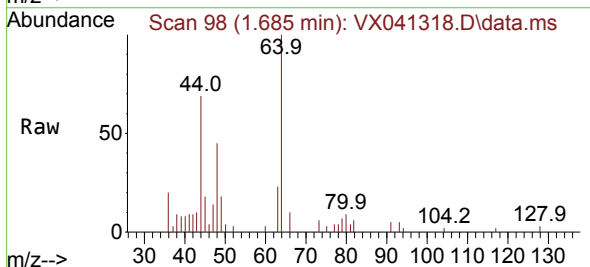
Instrument :
MSVOA_X
ClientSampleId :

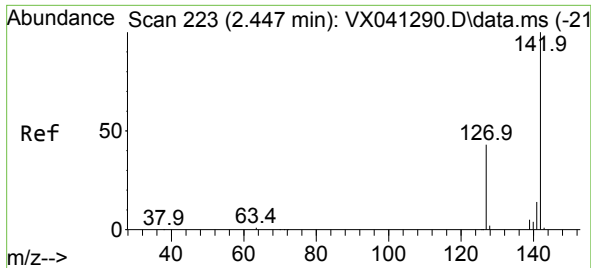
Tgt Ion: 94 Resp: 629
Ion Ratio Lower Upper
94 100
96 79.6 74.6 111.8



#6
Chloroethane
Concen: 1.443 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.018 min
Lab File: VX041318.D
Acq: 01 May 2024 12:02

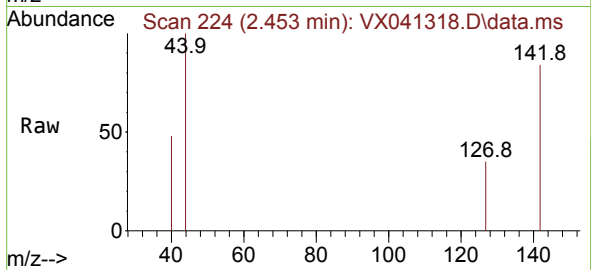
Tgt Ion: 64 Resp: 988
Ion Ratio Lower Upper
64 100
66 12.4 25.1 37.7#



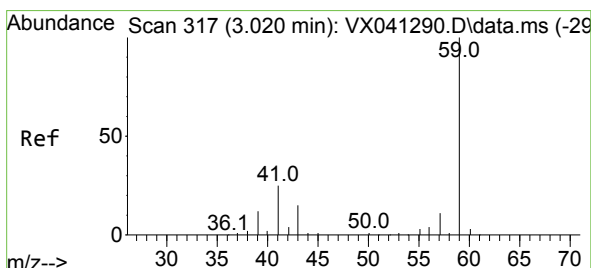
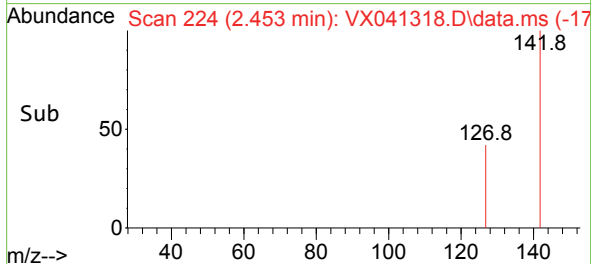
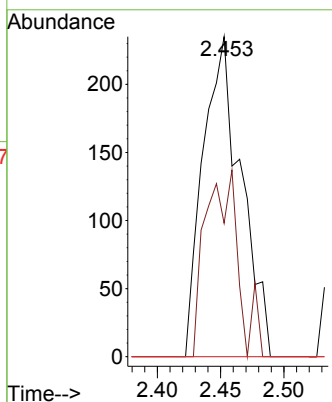


#10
Methyl Iodide
Concen: 0.320 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX041318.D
Acq: 01 May 2024 12:02

Instrument :
MSVOA_X
ClientSampleId :

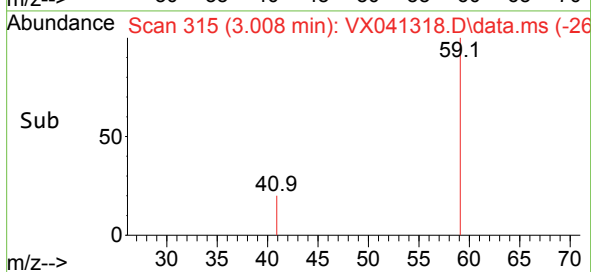
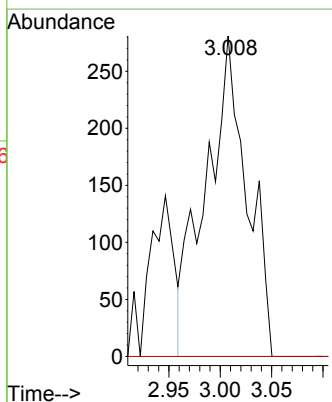
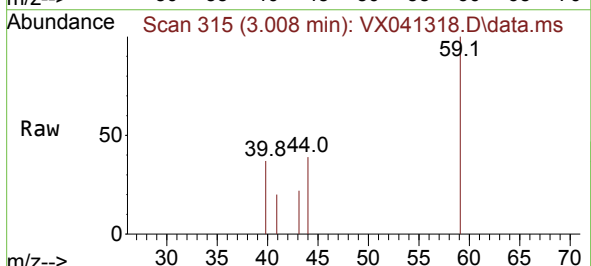


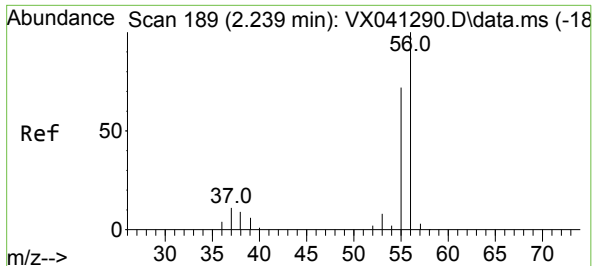
Tgt Ion:142 Resp: 492
Ion Ratio Lower Upper
142 100
127 50.0 41.6 62.4
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.975 ug/l
RT: 3.008 min Scan# 315
Delta R.T. -0.012 min
Lab File: VX041318.D
Acq: 01 May 2024 12:02

Tgt Ion: 59 Resp: 783
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.372 ug/l

RT: 2.245 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX041318.D

Acq: 01 May 2024 12:02

Instrument :

MSVOA_X

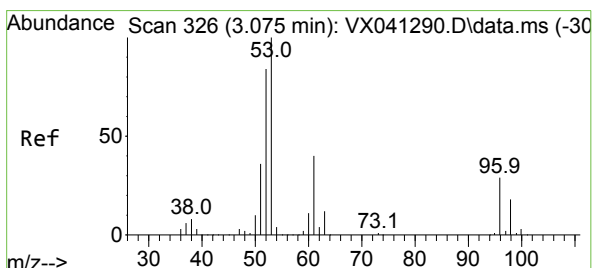
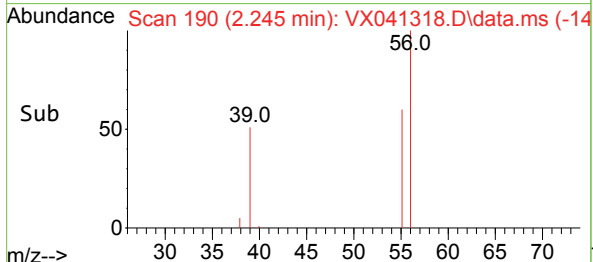
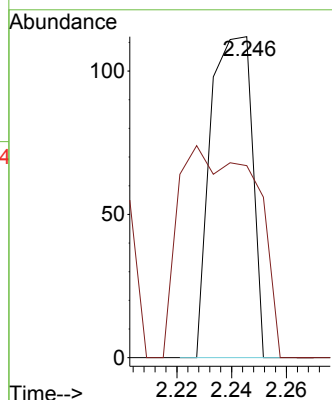
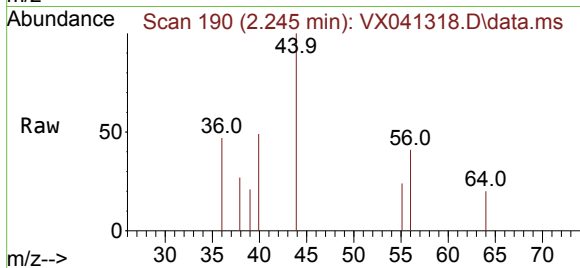
ClientSampleId :

Tgt Ion: 56 Resp: 117

Ion Ratio Lower Upper

56 100

55 123.1 57.1 85.7#



#15

Acrylonitrile

Concen: 0.360 ug/l

RT: 3.087 min Scan# 328

Delta R.T. 0.012 min

Lab File: VX041318.D

Acq: 01 May 2024 12:02

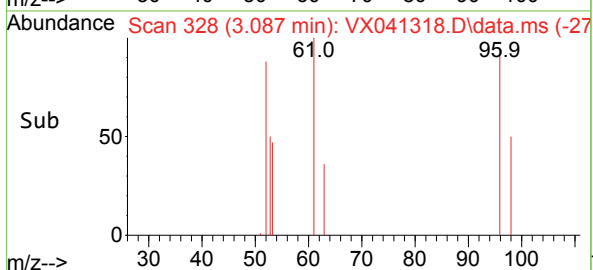
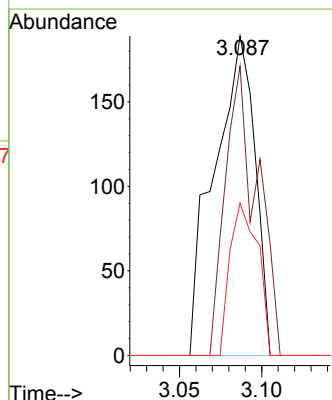
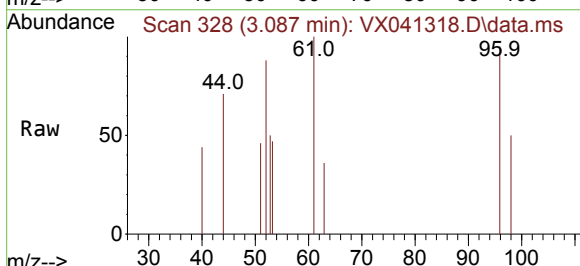
Tgt Ion: 53 Resp: 326

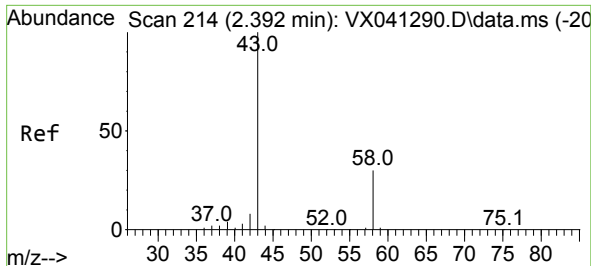
Ion Ratio Lower Upper

53 100

52 71.2 66.0 99.0

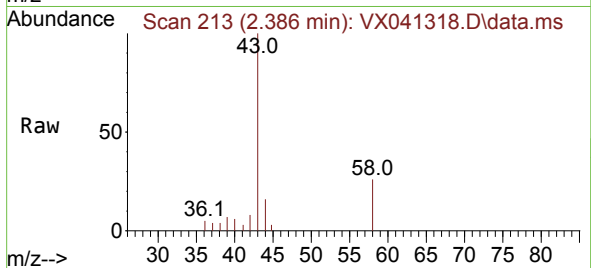
51 32.5 29.8 44.6



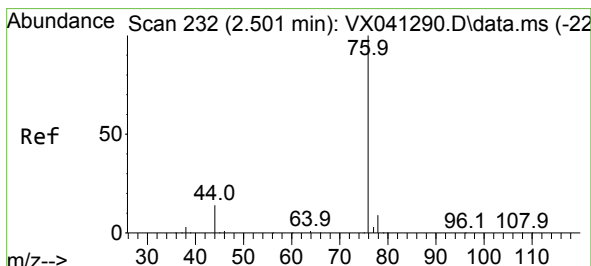
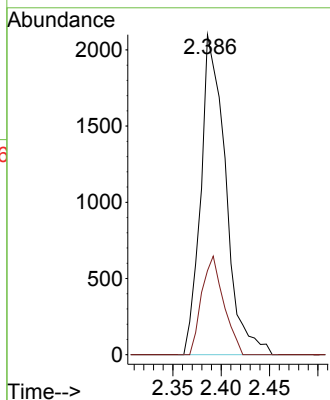
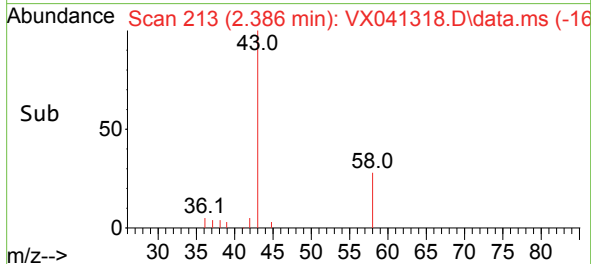


#16
Acetone
Concen: 0.416 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX041318.D
Acq: 01 May 2024 12:02

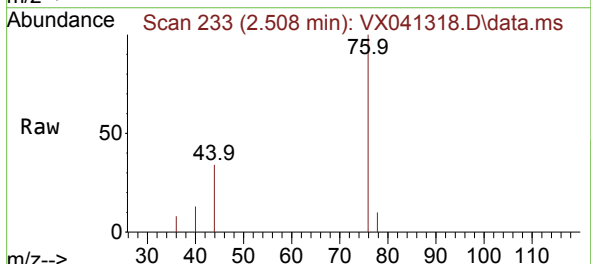
Instrument :
MSVOA_X
ClientSampleId :



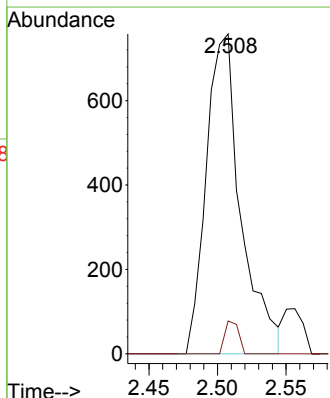
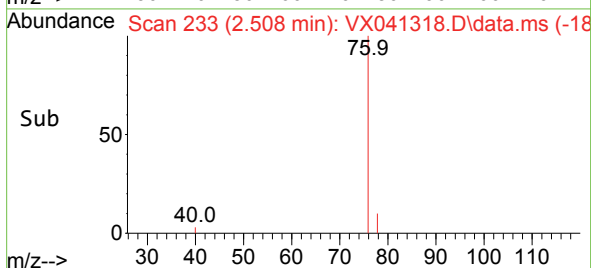
Tgt Ion: 43 Resp: 3768
Ion Ratio Lower Upper
43 100
58 26.2 21.9 32.9

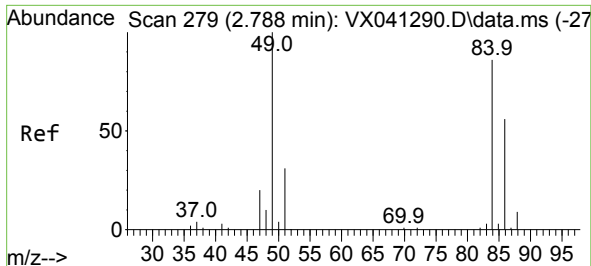


#17
Carbon Disulfide
Concen: 0.401 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.007 min
Lab File: VX041318.D
Acq: 01 May 2024 12:02



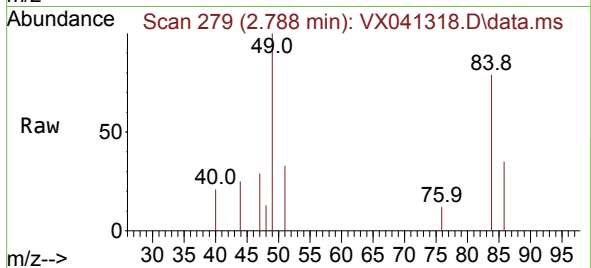
Tgt Ion: 76 Resp: 1330
Ion Ratio Lower Upper
76 100
78 10.3 7.0 10.6



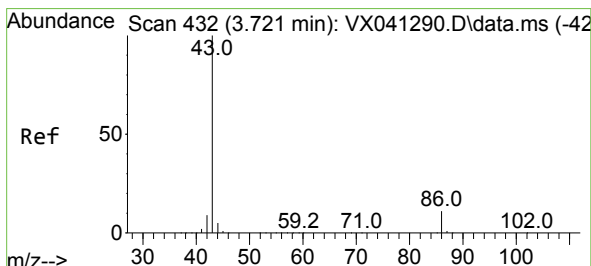
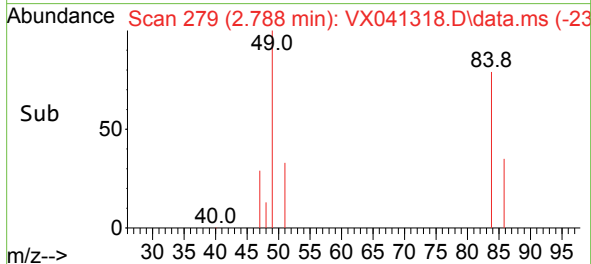
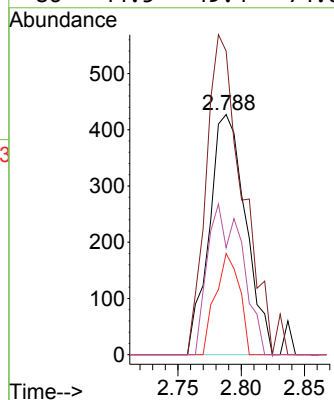


#20
Methylene Chloride
Concen: 0.497 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041318.D
Acq: 01 May 2024 12:02

Instrument :
MSVOA_X
ClientSampleId :

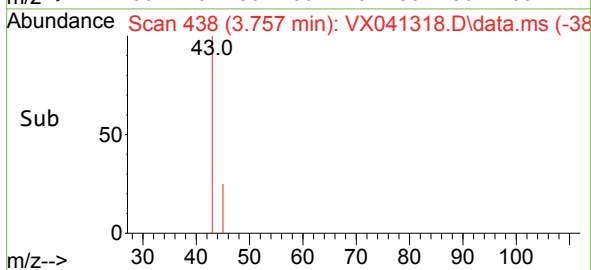
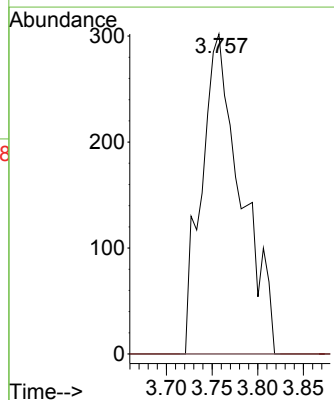
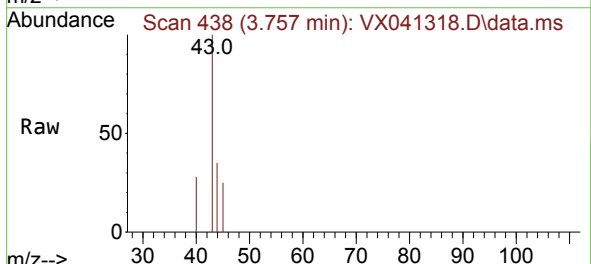


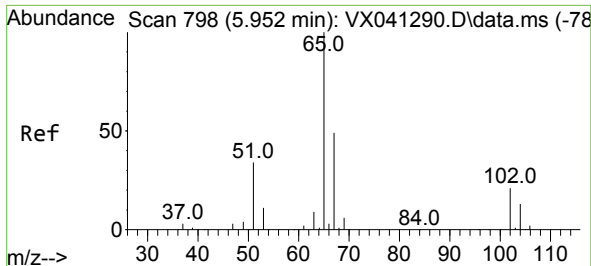
Tgt Ion:	84	Resp:	854
Ion	Ratio	Lower	Upper
84	100		
49	126.5	103.6	155.4
51	42.2	33.8	50.6
86	44.5	49.4	74.0#



#23
Vinyl Acetate
Concen: 0.202 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.037 min
Lab File: VX041318.D
Acq: 01 May 2024 12:02

Tgt Ion:	43	Resp:	908
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.8	11.8#

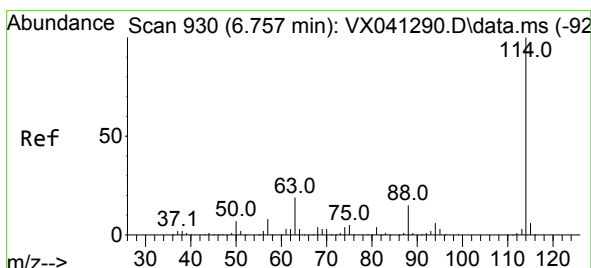
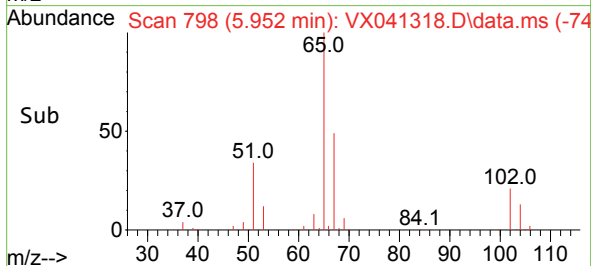
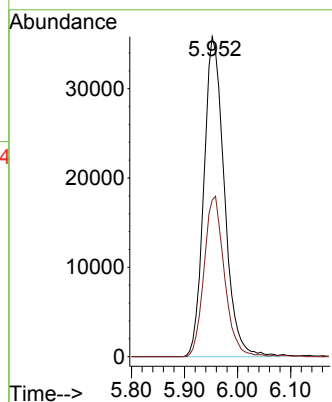
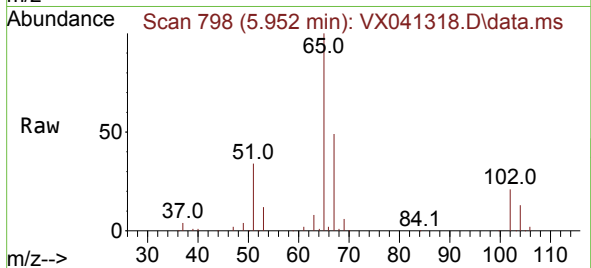




#33
1,2-Dichloroethane-d4
Concen: 48.564 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041318.D
Acq: 01 May 2024 12:02

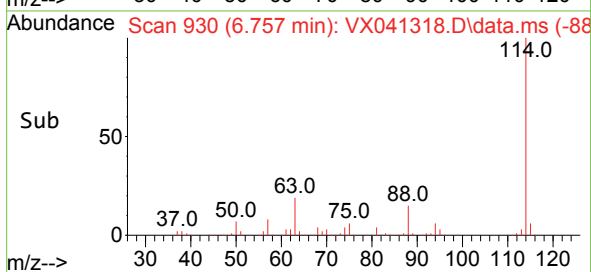
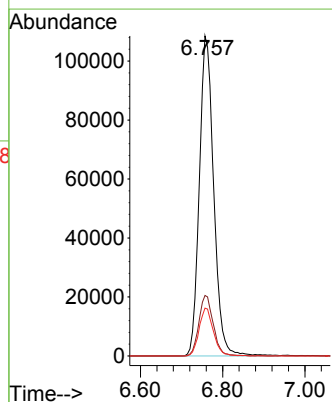
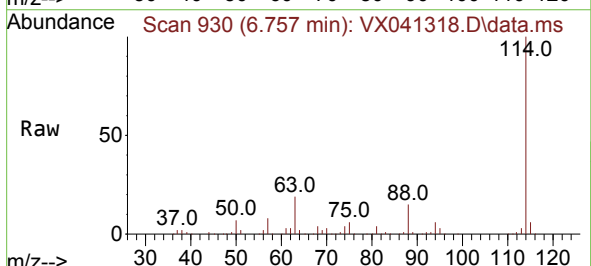
Instrument :
MSVOA_X
ClientSampleId :

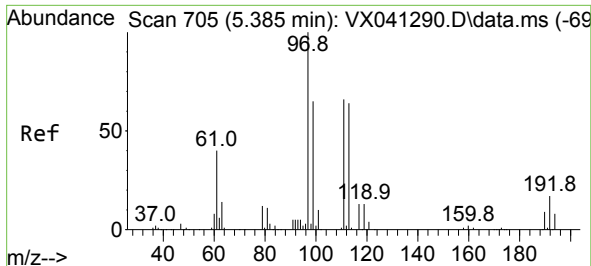
Tgt Ion: 65 Resp: 96172
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX041318.D
Acq: 01 May 2024 12:02

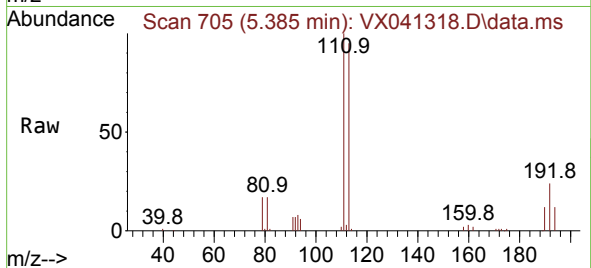
Tgt Ion: 114 Resp: 263530
Ion Ratio Lower Upper
114 100
63 18.9 0.0 45.0
88 15.0 0.0 36.6



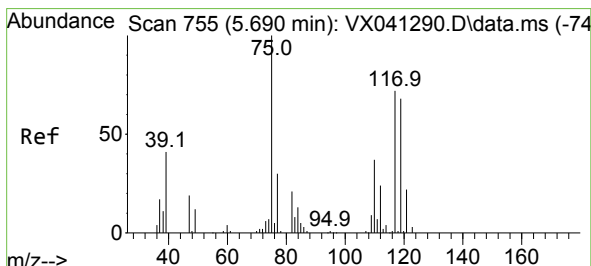
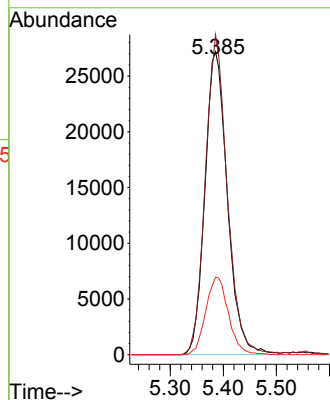
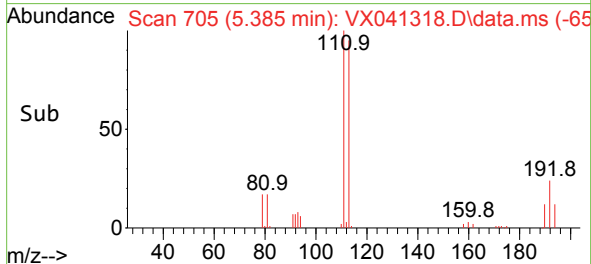


#35
Dibromofluoromethane
Concen: 44.844 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041318.D
Acq: 01 May 2024 12:02

Instrument :
MSVOA_X
ClientSampleId :

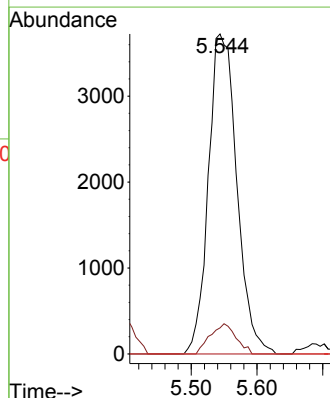
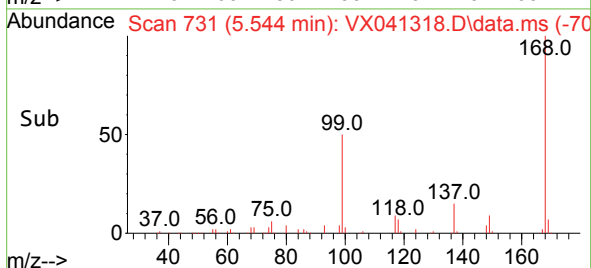
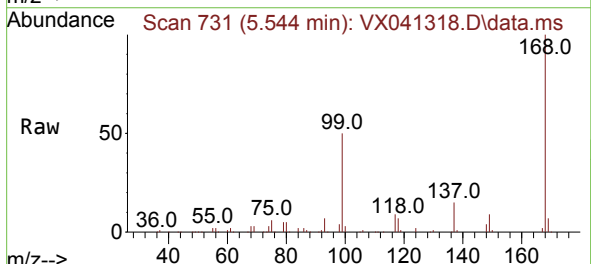


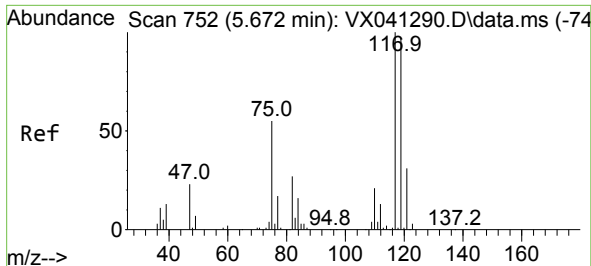
Tgt Ion:113 Resp: 80085
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 25.8 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.243 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX041318.D
Acq: 01 May 2024 12:02

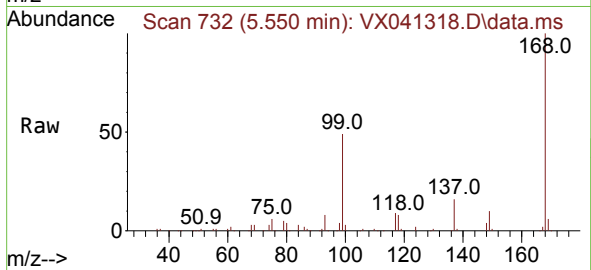
Tgt Ion: 75 Resp: 11196
Ion Ratio Lower Upper
75 100
110 8.6 17.0 50.9#
77 0.0 24.7 37.1#



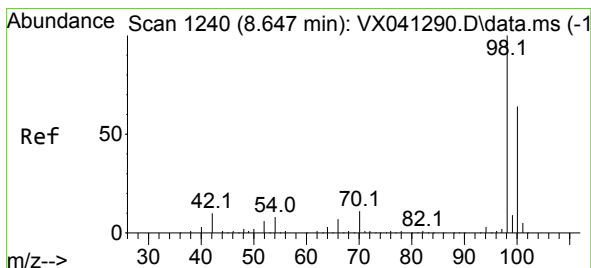
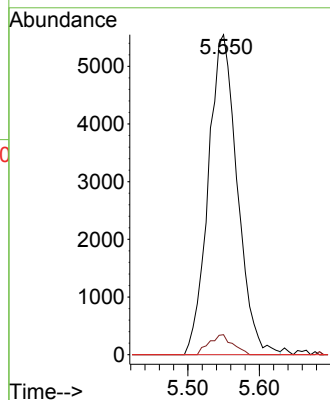
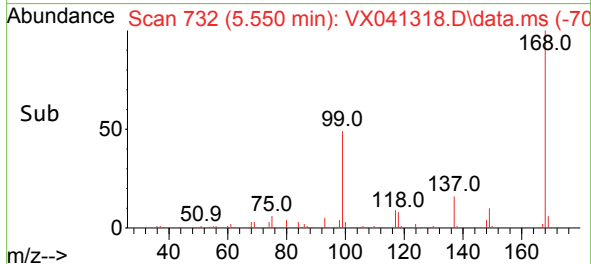


#38
Carbon Tetrachloride
Concen: 6.392 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX041318.D
Acq: 01 May 2024 12:02

Instrument :
MSVOA_X
ClientSampleId :

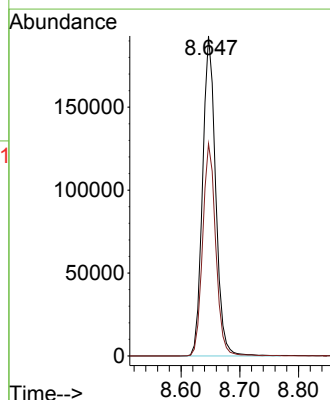
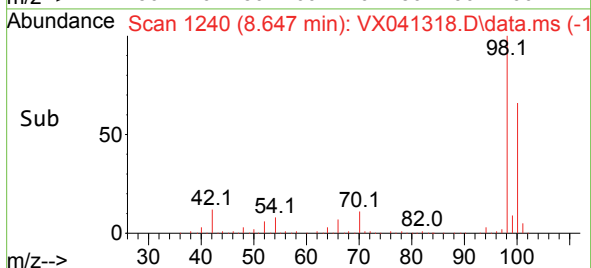
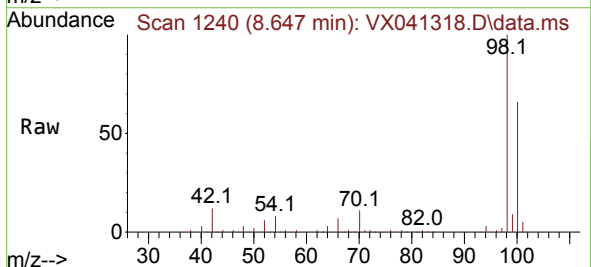


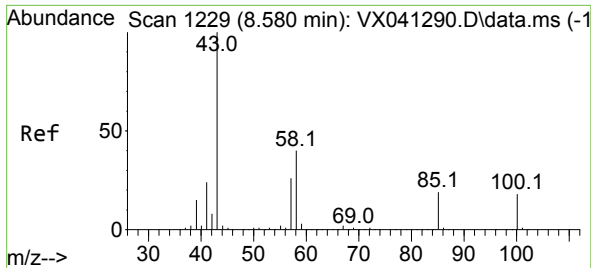
Tgt Ion:117 Resp: 15637
Ion Ratio Lower Upper
117 100
119 6.2 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 52.608 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041318.D
Acq: 01 May 2024 12:02

Tgt Ion: 98 Resp: 297365
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7

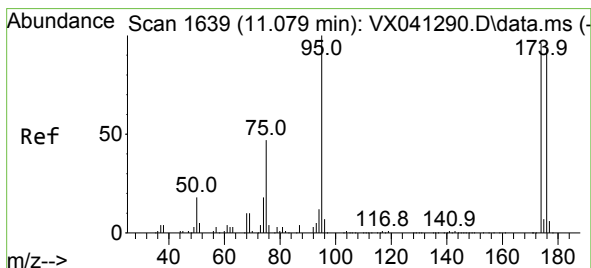
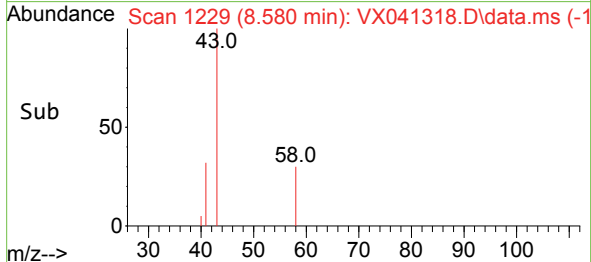
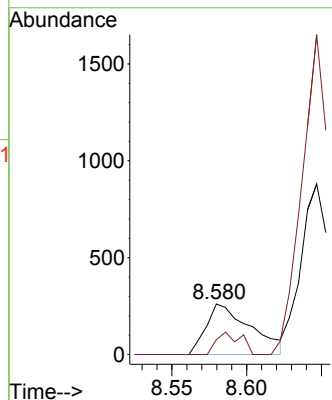
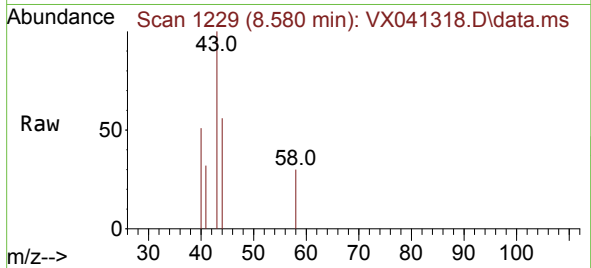




#51
4-Methyl-2-Pentanone
Concen: 0.225 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041318.D
Acq: 01 May 2024 12:02

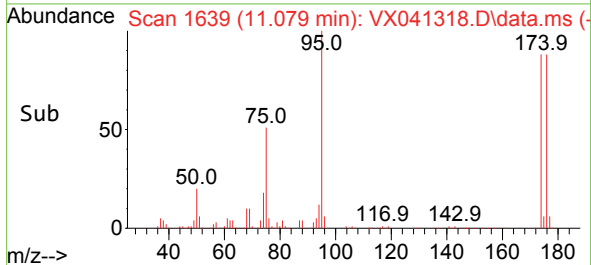
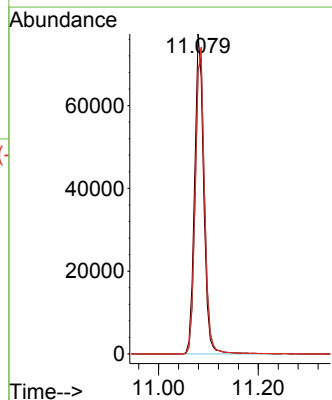
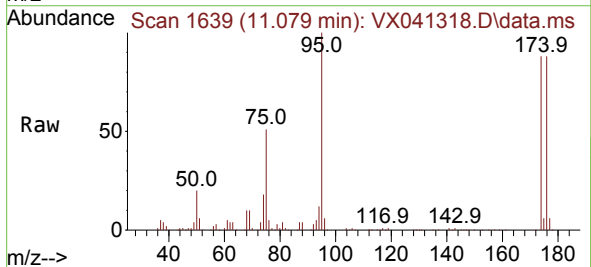
Instrument :
MSVOA_X
ClientSampleId :

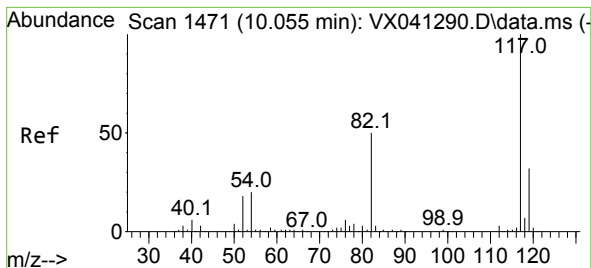
Tgt Ion: 43 Resp: 540
Ion Ratio Lower Upper
43 100
58 24.4 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 44.703 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041318.D
Acq: 01 May 2024 12:02

Tgt Ion: 95 Resp: 97814
Ion Ratio Lower Upper
95 100
174 97.7 0.0 135.6
176 97.4 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

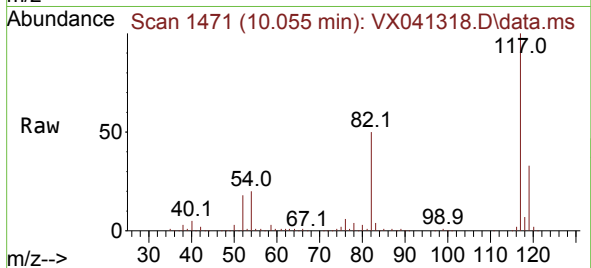
Lab File: VX041318.D

Acq: 01 May 2024 12:02

Instrument :

MSVOA_X

ClientSampleId :



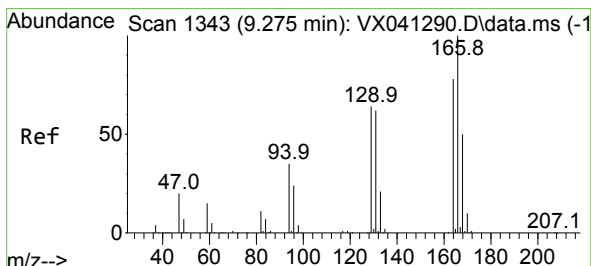
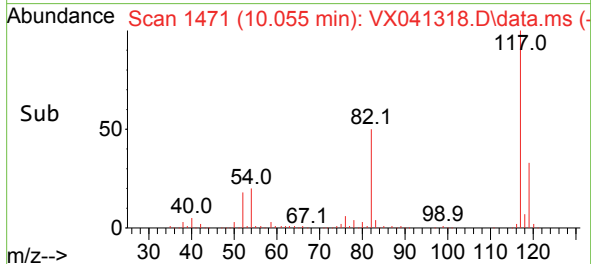
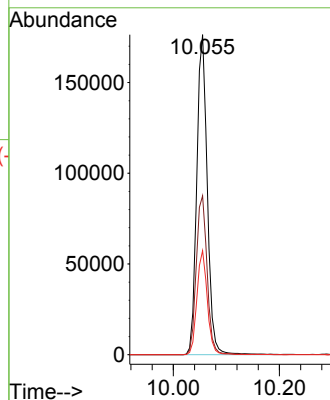
Tgt Ion:117 Resp: 243280

Ion Ratio Lower Upper

117 100

82 49.7 46.2 69.4

119 32.5 25.5 38.3



#64

Tetrachloroethene

Concen: 0.293 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX041318.D

Acq: 01 May 2024 12:02

Tgt Ion:164 Resp: 516

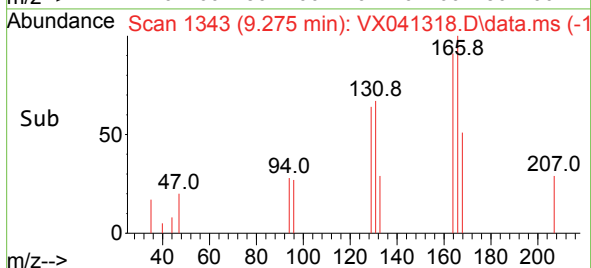
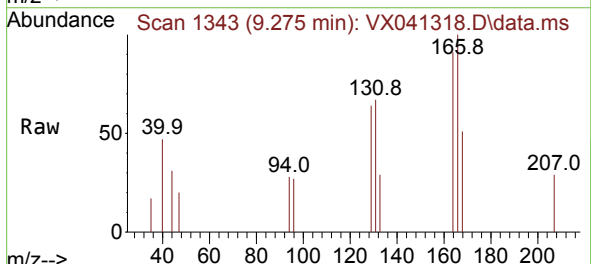
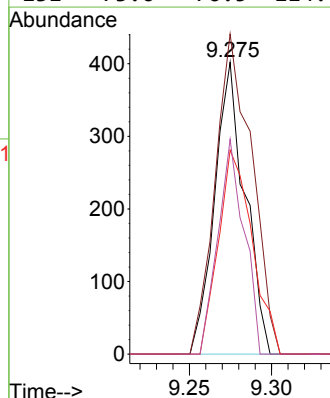
Ion Ratio Lower Upper

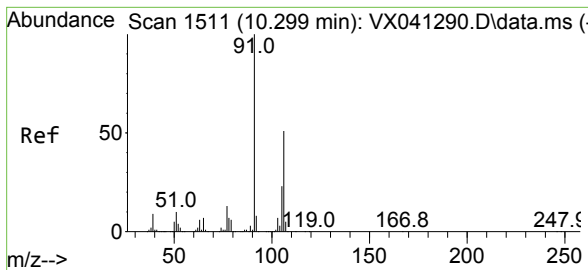
164 100

166 109.7 102.7 154.1

129 69.9 80.4 120.6#

131 73.6 76.5 114.7#

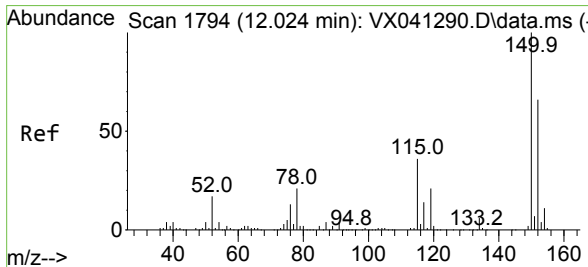
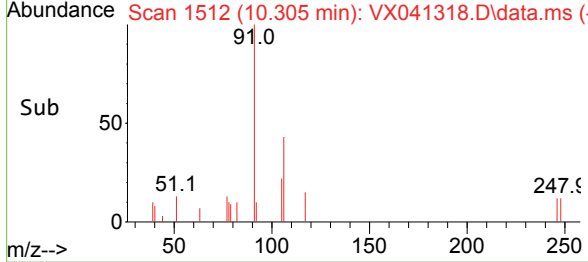
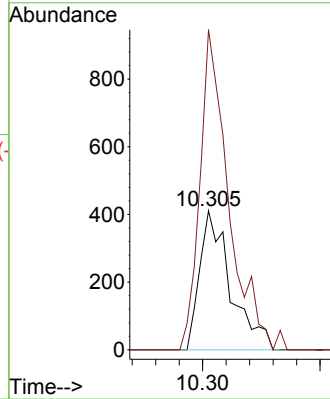
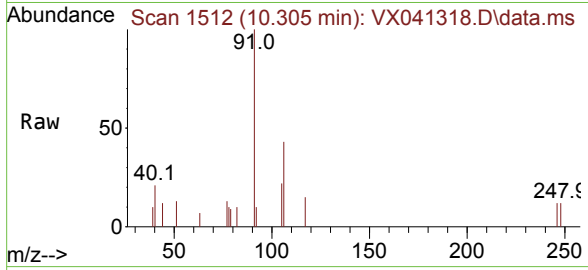




#68
m/p-Xylenes
Concen: 0.230 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX041318.D
Acq: 01 May 2024 12:02

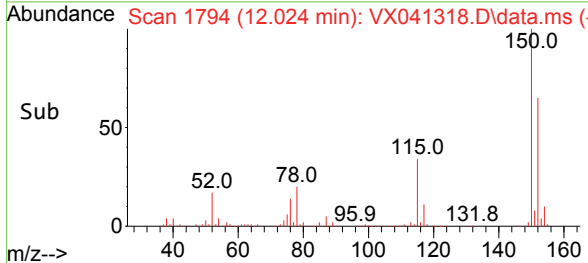
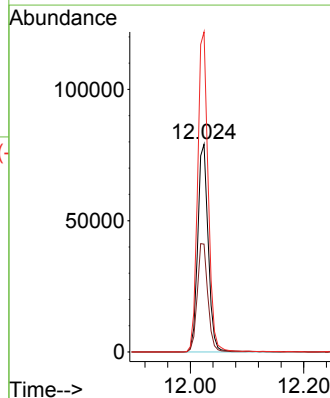
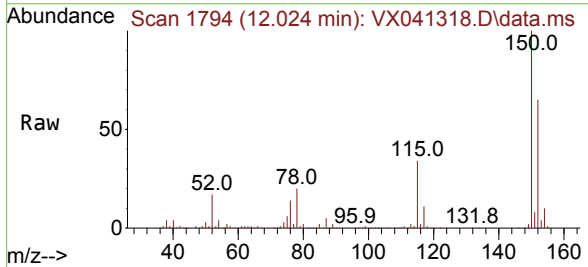
Instrument :
MSVOA_X
ClientSampleId :

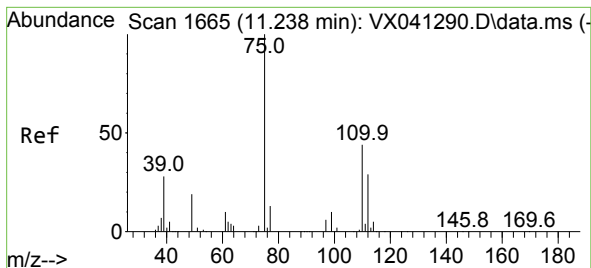
Tgt Ion:106 Resp: 752
Ion Ratio Lower Upper
106 100
91 215.0 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX041318.D
Acq: 01 May 2024 12:02

Tgt Ion:152 Resp: 101647
Ion Ratio Lower Upper
152 100
115 52.6 43.3 129.9
150 154.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 29.949 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041318.D

Acq: 01 May 2024 12:02

Instrument :

MSVOA_X

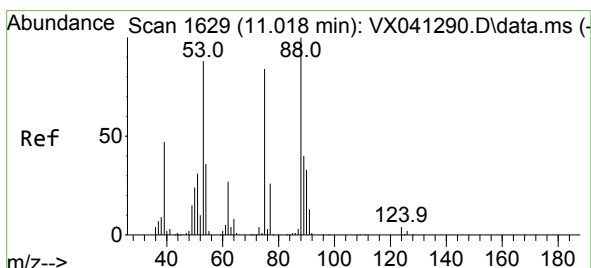
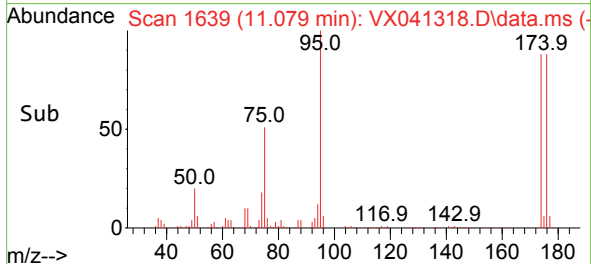
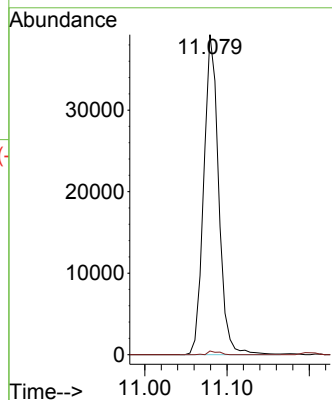
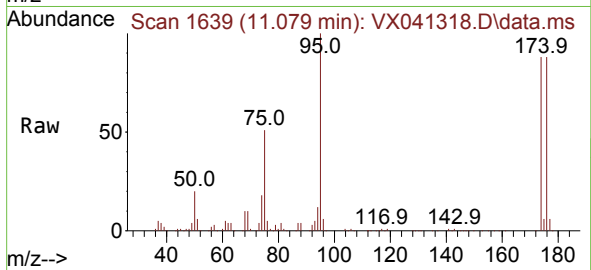
ClientSampleId :

Tgt Ion: 75 Resp: 49611

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.577 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041318.D

Acq: 01 May 2024 12:02

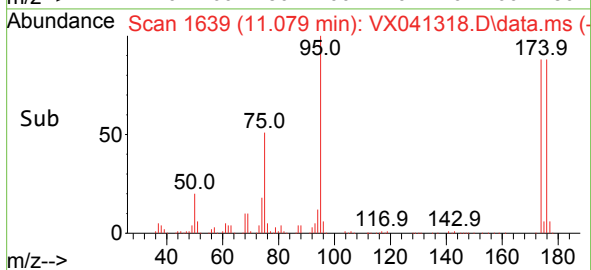
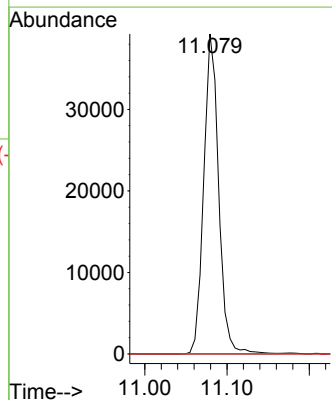
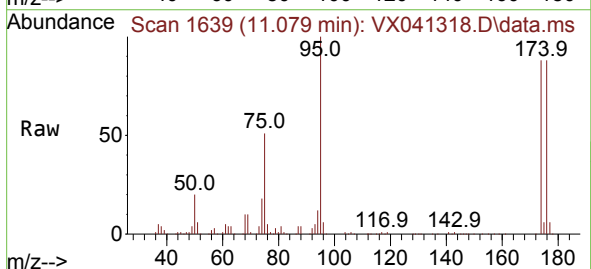
Tgt Ion: 75 Resp: 49611

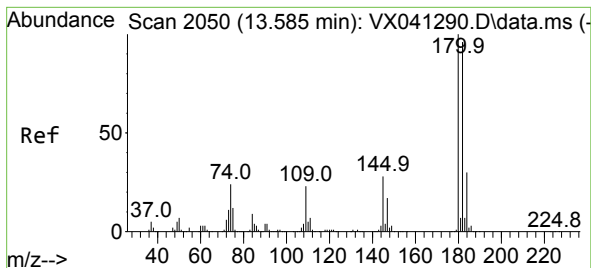
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.355 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX041318.D

Acq: 01 May 2024 12:02

Instrument :

MSVOA_X

ClientSampleId :

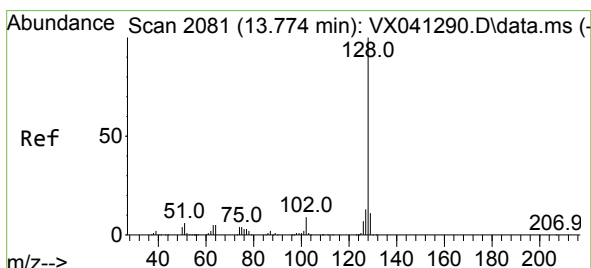
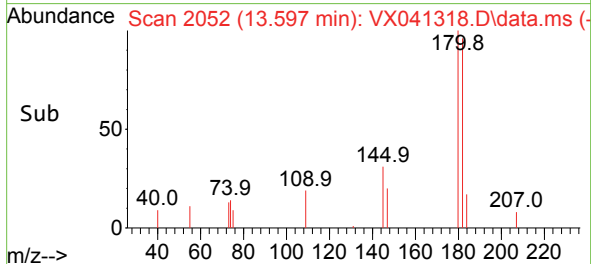
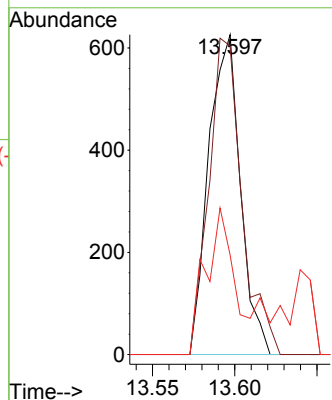
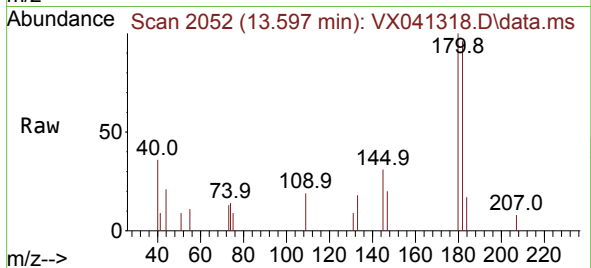
Tgt Ion:180 Resp: 835

Ion Ratio Lower Upper

180 100

182 103.5 48.3 144.8

145 42.0 18.0 54.0



#95

Naphthalene

Concen: 0.450 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX041318.D

Acq: 01 May 2024 12:02

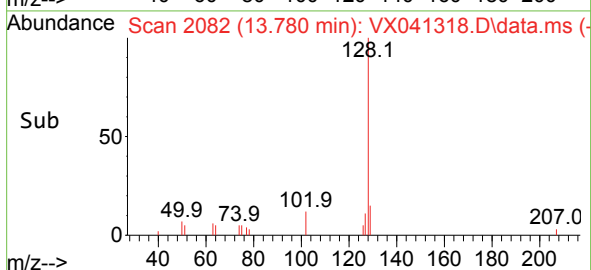
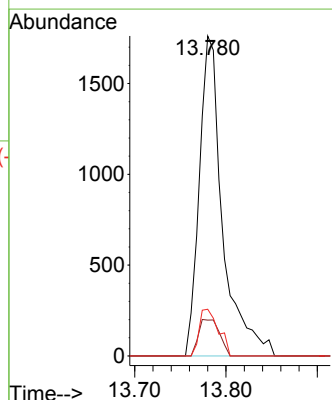
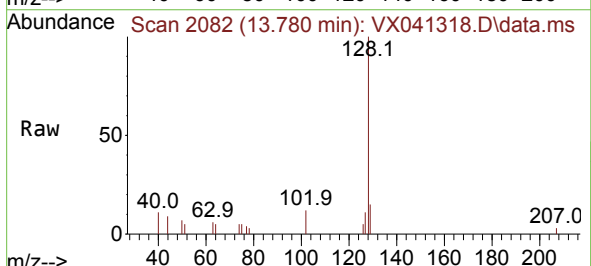
Tgt Ion:128 Resp: 3134

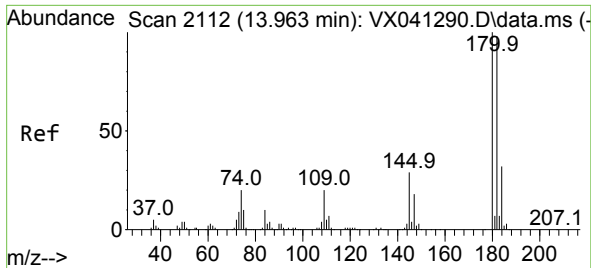
Ion Ratio Lower Upper

128 100

127 10.2 10.3 15.5#

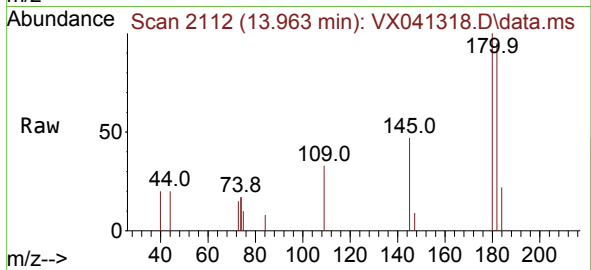
129 12.0 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.426 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VX041318.D
 Acq: 01 May 2024 12:02

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	1024
Ion	Ratio	Lower	Upper
180	100		
182	89.5	46.9	140.6
145	49.0	17.8	53.5

