

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021424\
 Data File : VX040221.D
 Acq On : 14 Feb 2024 15:32
 Operator : JC/MD
 Sample : P1371-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 15 00:03:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

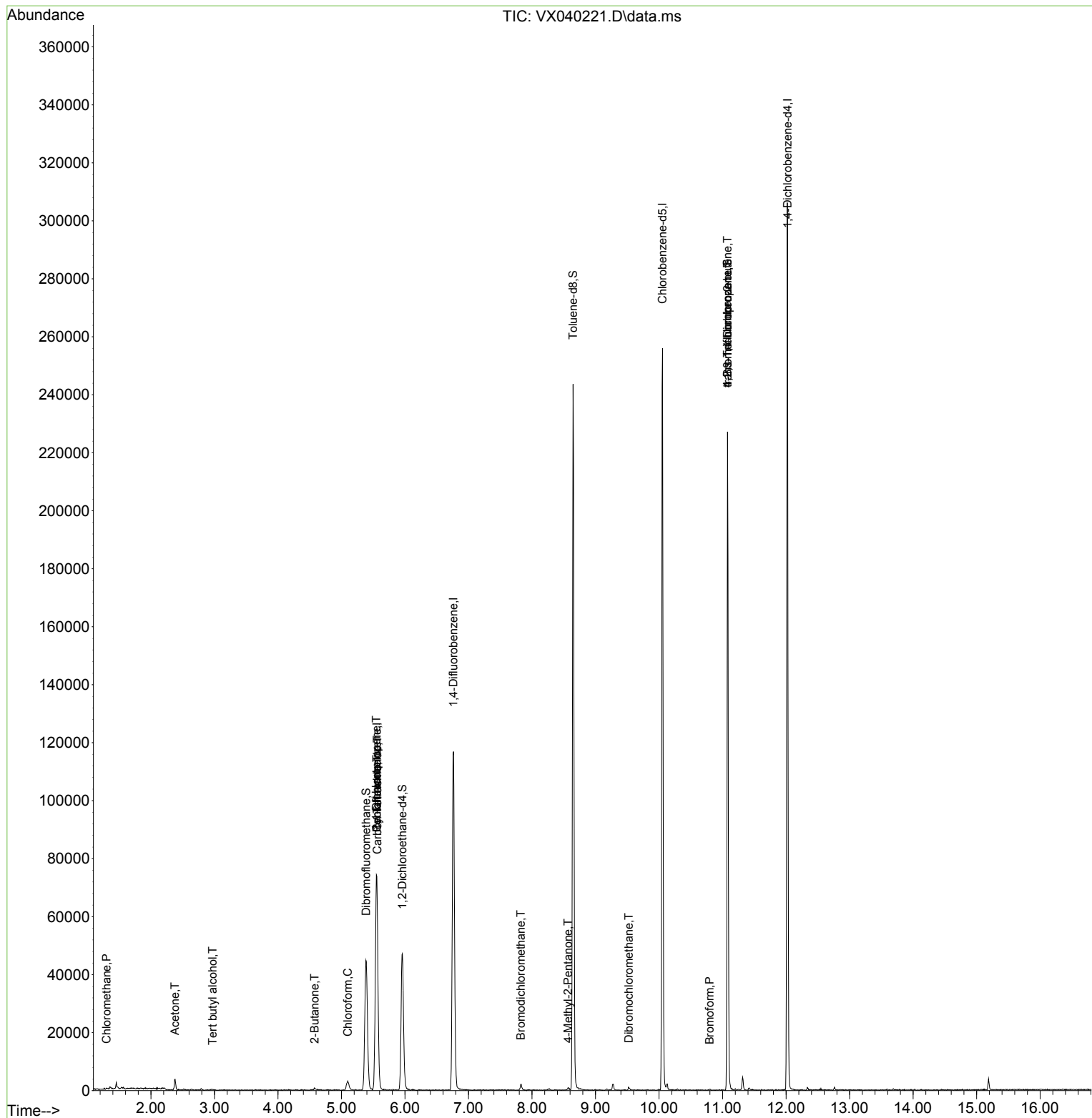
Internal Standards						
1) Pentafluorobenzene	5.556	168	72952	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	121998	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	46402	42.755	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.500%		
35) Dibromofluoromethane	5.385	113	39829	46.749	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.500%		
50) Toluene-d8	8.647	98	145039	45.510	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.020%#		
62) 4-Bromofluorobenzene	11.079	95	59250	45.585	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.180%		
Target Compounds						
						Qvalue
3) Chloromethane	1.300	50	292	0.344	ug/l	# 81
11) Tert butyl alcohol	2.971	59	429	2.029	ug/l	# 78
16) Acetone	2.380	43	3667	8.227	ug/l	# 89
20) Methylene Chloride	2.794	84	38	Below Cal	#	77
25) 2-Butanone	4.574	43	908	1.303	ug/l	# 87
30) Chloroform	5.099	83	3774	2.286	ug/l	# 79
31) Cyclohexane	5.556	56	1536	1.187	ug/l	# 12
36) 1,1-Dichloropropene	5.550	75	5718	4.791	ug/l	# 51
38) Carbon Tetrachloride	5.562	117	7126	6.280	ug/l	# 11
47) Bromodichloromethane	7.824	83	1284	1.042	ug/l	# 96
51) 4-Methyl-2-Pentanone	8.567	43	1156	0.817	ug/l	# 37
60) Dibromochloromethane	9.525	129	555	0.584	ug/l	93
71) Bromoform	10.799	173	238	2.358	ug/l	# 29
76) 1,2,3-Trichloropropane	11.079	75	30203	23.896	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	30203	65.889	ug/l	# 5

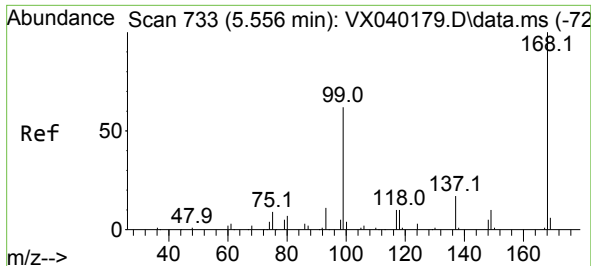
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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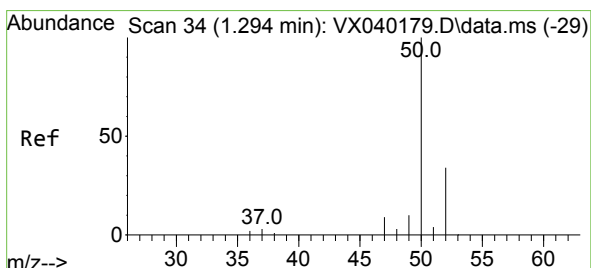
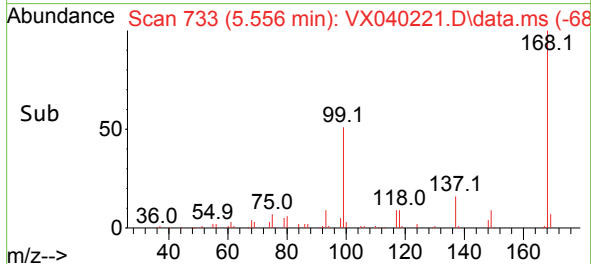
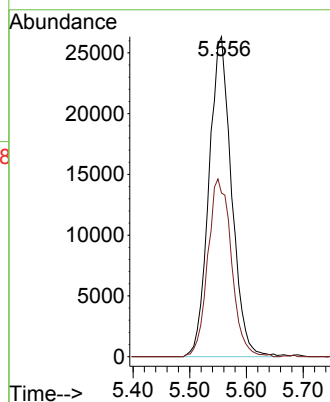
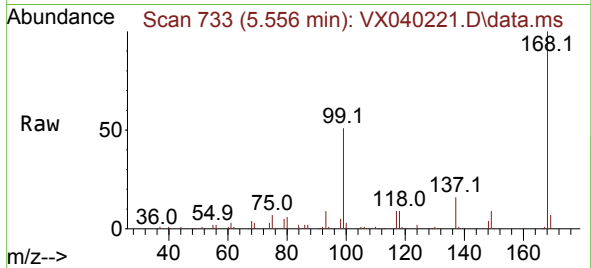




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040221.D
Acq: 14 Feb 2024 15:32

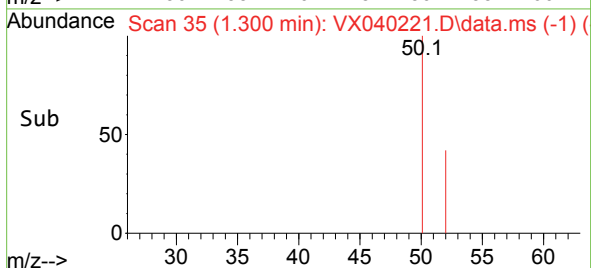
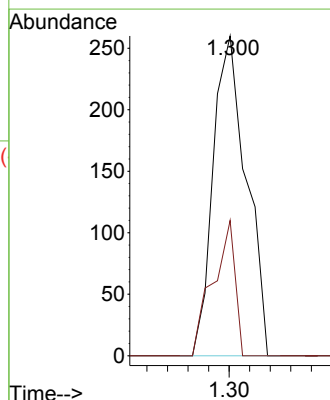
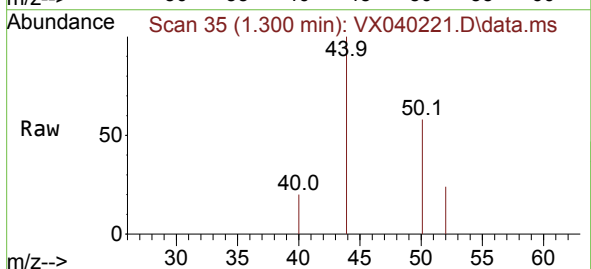
Instrument :
MSVOA_X
ClientSampleId :

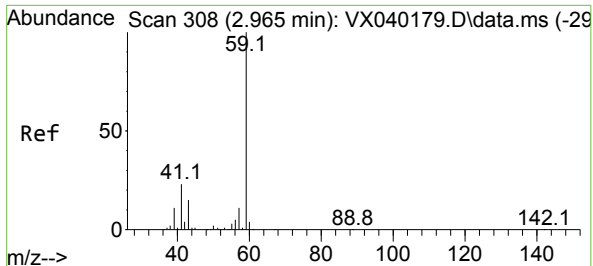
Tgt Ion:168 Resp: 72952
Ion Ratio Lower Upper
168 100
99 51.1 56.6 85.0#



#3
Chloromethane
Concen: 0.344 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX040221.D
Acq: 14 Feb 2024 15:32

Tgt Ion: 50 Resp: 292
Ion Ratio Lower Upper
50 100
52 42.3 25.5 38.3#





#11

Tert butyl alcohol

Concen: 2.029 ug/l

RT: 2.971 min Scan# 308

Delta R.T. 0.006 min

Lab File: VX040221.D

Acq: 14 Feb 2024 15:32

Instrument :

MSVOA_X

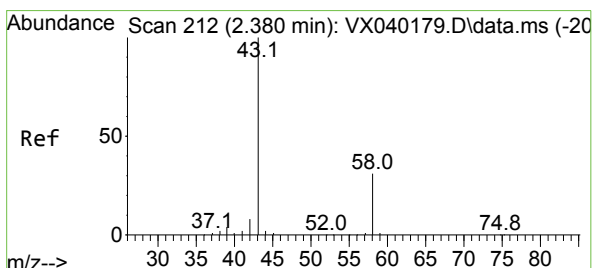
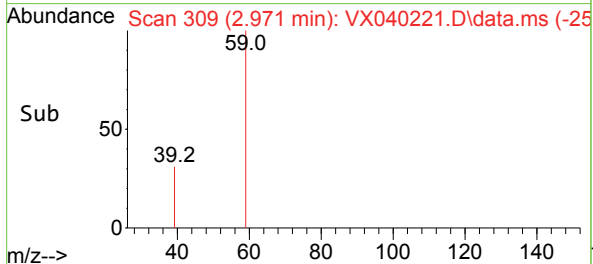
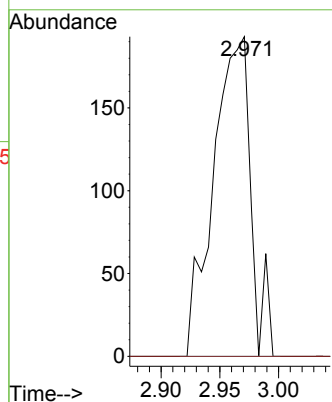
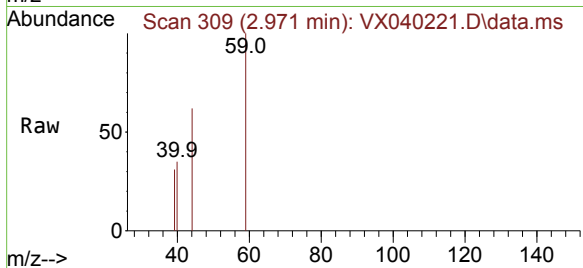
ClientSampleId :

Tgt Ion: 59 Resp: 429

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 8.227 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX040221.D

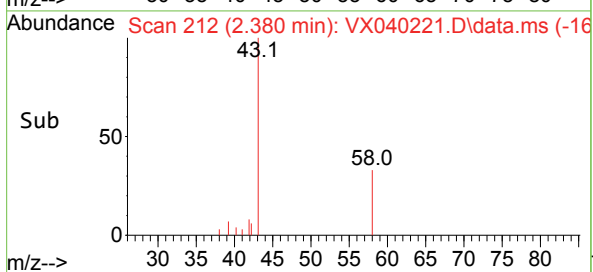
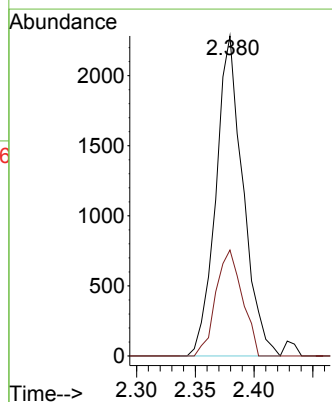
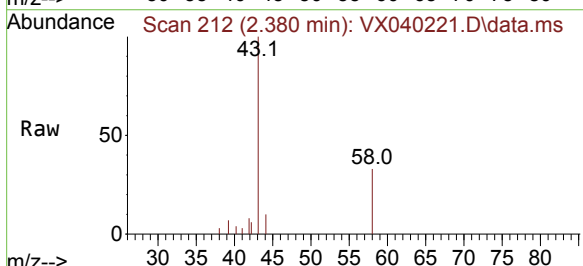
Acq: 14 Feb 2024 15:32

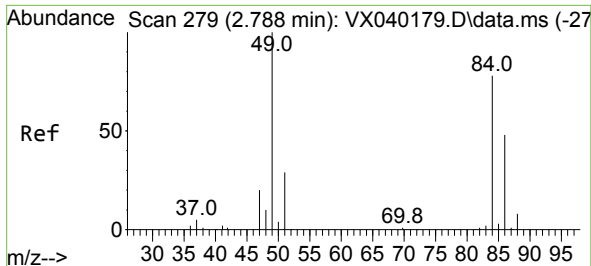
Tgt Ion: 43 Resp: 3667

Ion Ratio Lower Upper

43 100

58 33.1 21.9 32.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

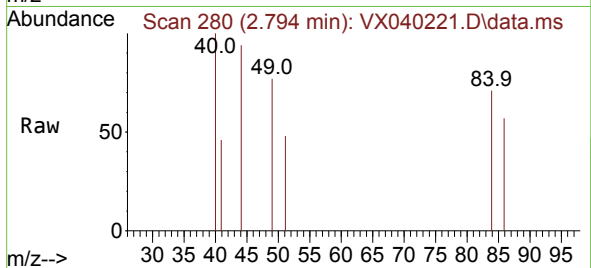
Lab File: VX040221.D

Acq: 14 Feb 2024 15:32

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 38

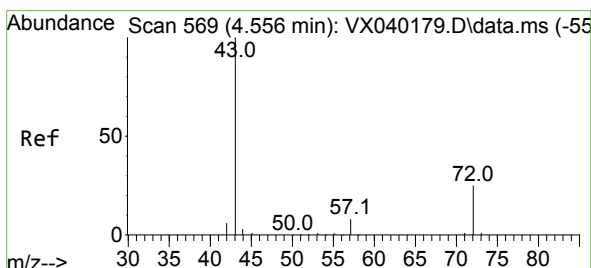
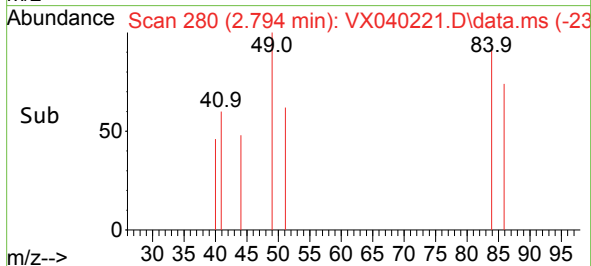
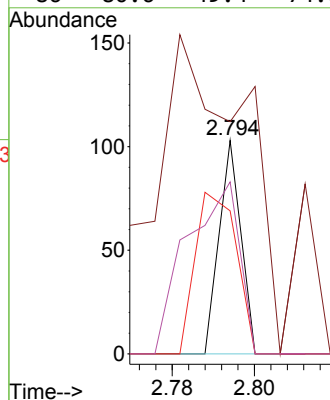
Ion Ratio Lower Upper

84 100

49 108.7 103.6 155.4

51 67.0 33.8 50.6#

86 80.6 49.4 74.0#



#25

2-Butanone

Concen: 1.303 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.018 min

Lab File: VX040221.D

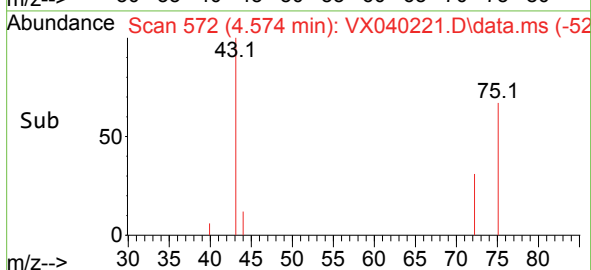
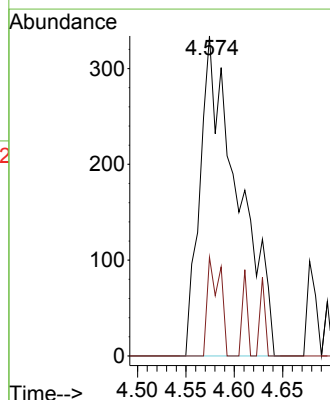
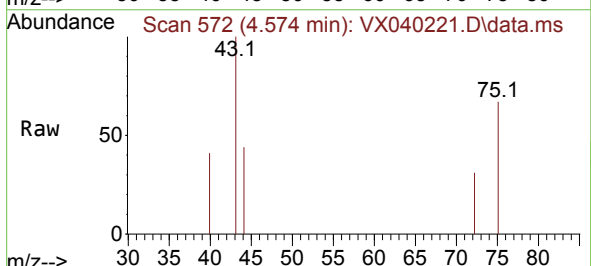
Acq: 14 Feb 2024 15:32

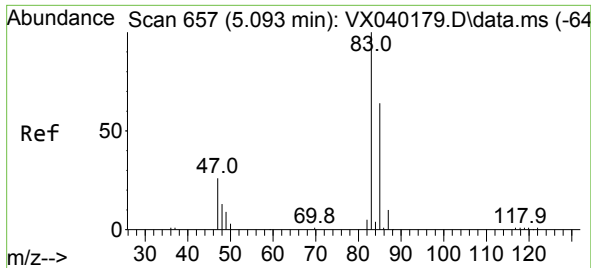
Tgt Ion: 43 Resp: 908

Ion Ratio Lower Upper

43 100

72 30.8 19.4 29.2#

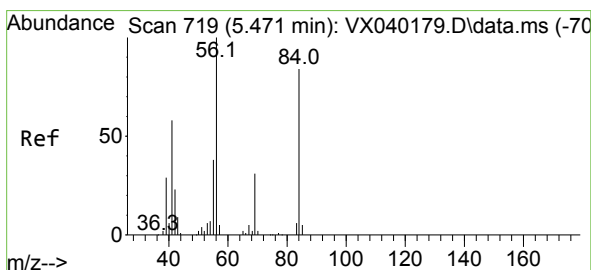
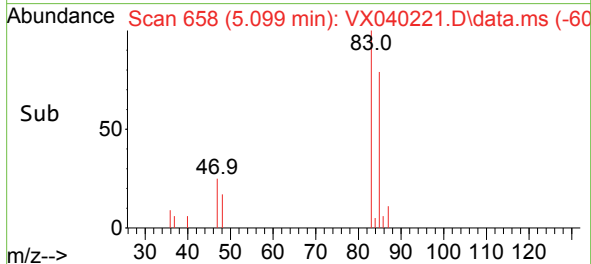
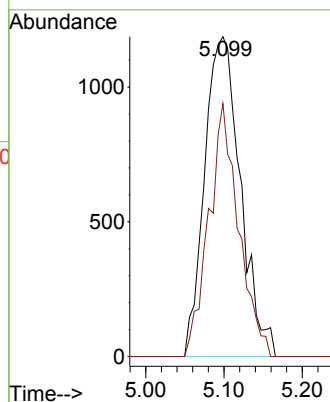
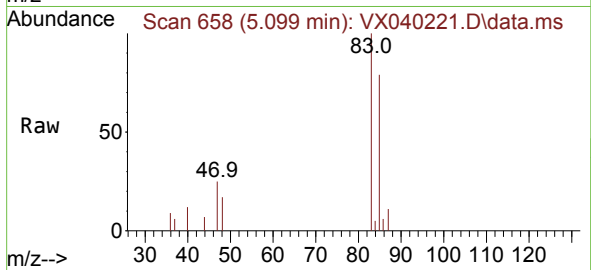




#30
Chloroform
Concen: 2.286 ug/l
RT: 5.099 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX040221.D
Acq: 14 Feb 2024 15:32

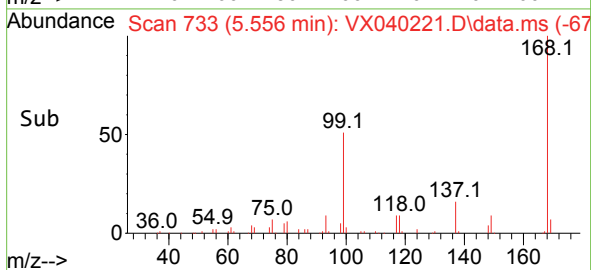
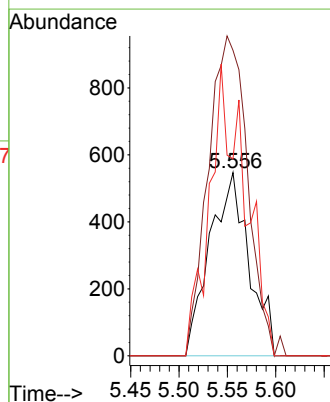
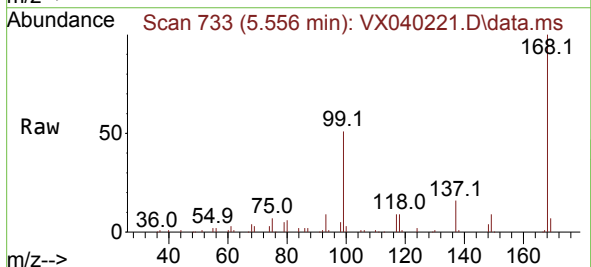
Instrument :
MSVOA_X
ClientSampleId :

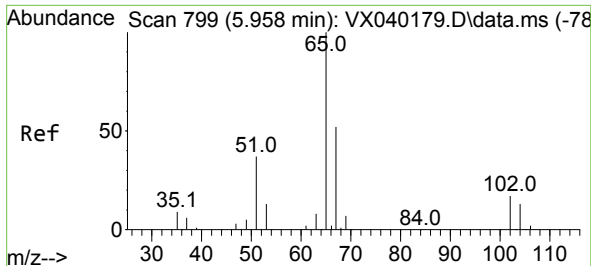
Tgt Ion: 83 Resp: 3774
Ion Ratio Lower Upper
83 100
85 79.1 50.3 75.5#



#31
Cyclohexane
Concen: 1.187 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX040221.D
Acq: 14 Feb 2024 15:32

Tgt Ion: 56 Resp: 1536
Ion Ratio Lower Upper
56 100
69 166.7 23.4 35.2#
84 107.5 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 42.755 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX040221.D

Acq: 14 Feb 2024 15:32

Instrument :

MSVOA_X

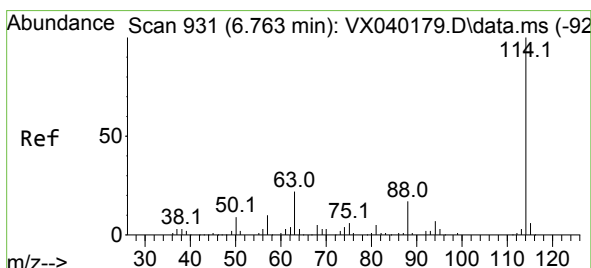
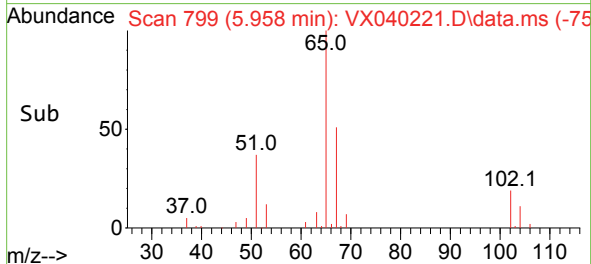
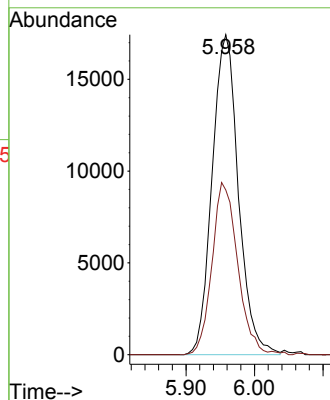
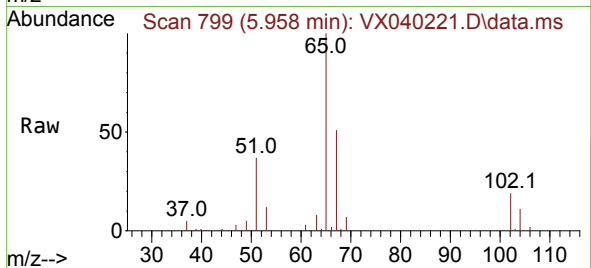
ClientSampleId :

Tgt Ion: 65 Resp: 46402

Ion Ratio Lower Upper

65 100

67 52.7 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX040221.D

Acq: 14 Feb 2024 15:32

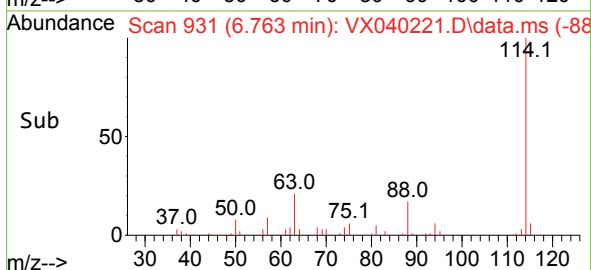
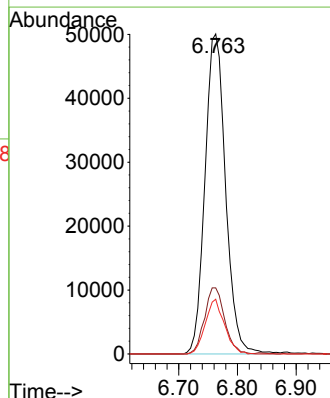
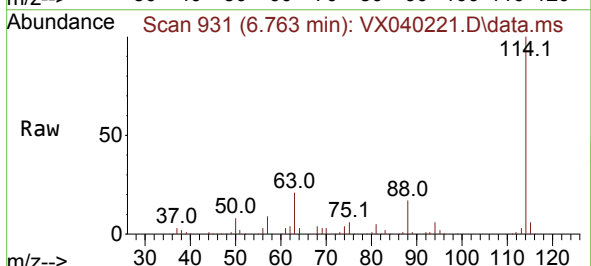
Tgt Ion: 114 Resp: 121998

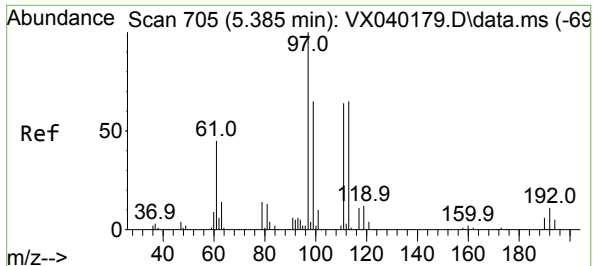
Ion Ratio Lower Upper

114 100

63 20.6 0.0 45.0

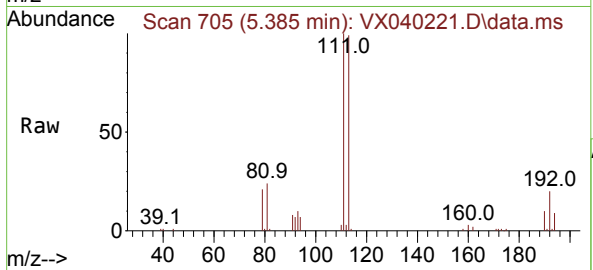
88 17.1 0.0 36.6



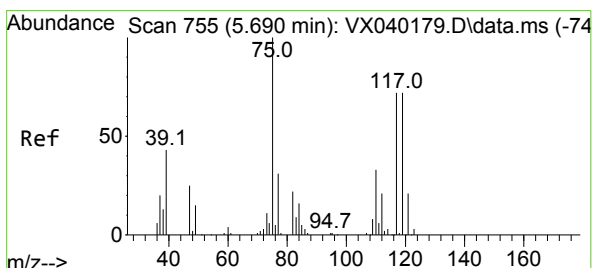
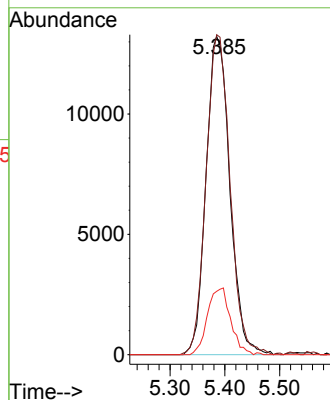
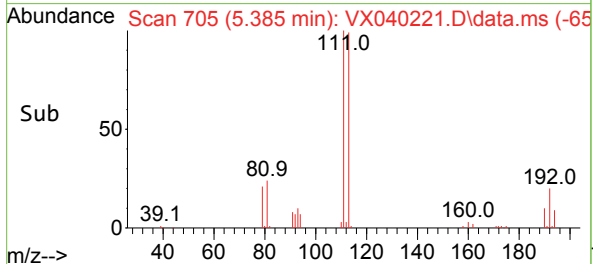


#35
Dibromofluoromethane
Concen: 46.749 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040221.D
Acq: 14 Feb 2024 15:32

Instrument :
MSVOA_X
ClientSampleId :

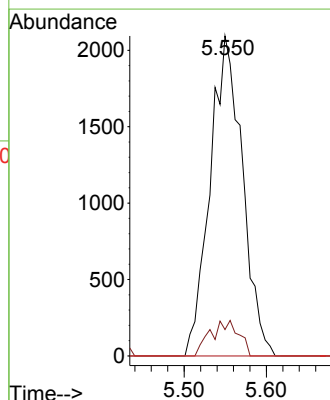
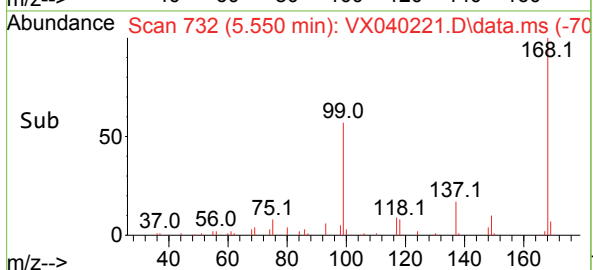
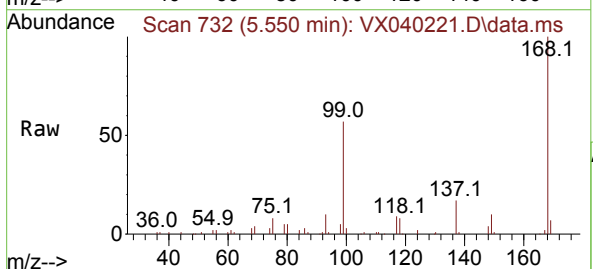


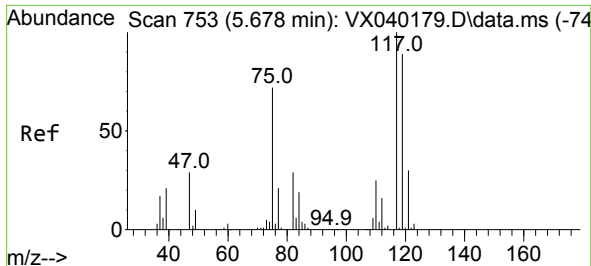
Tgt Ion:113 Resp: 39829
Ion Ratio Lower Upper
113 100
111 101.2 82.9 124.3
192 20.3 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.791 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX040221.D
Acq: 14 Feb 2024 15:32

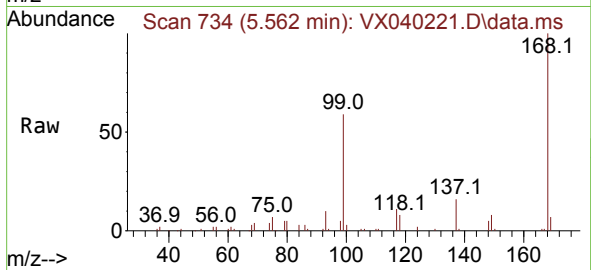
Tgt Ion: 75 Resp: 5718
Ion Ratio Lower Upper
75 100
110 9.7 17.0 50.9#
77 0.0 24.7 37.1#



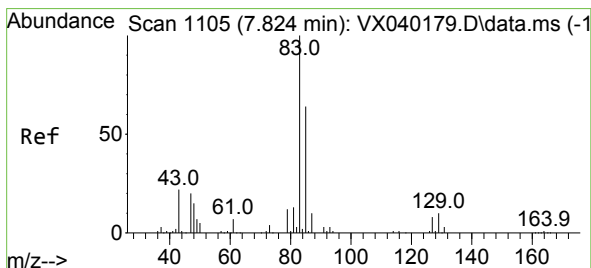
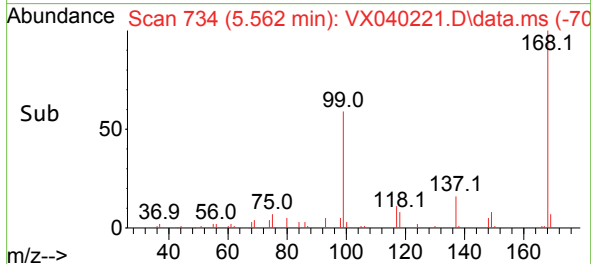
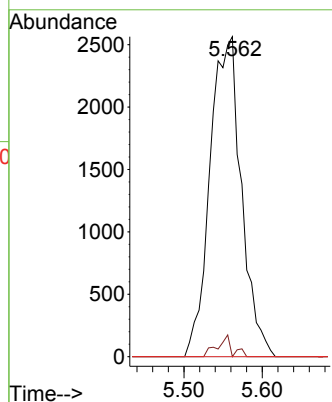


#38
Carbon Tetrachloride
Concen: 6.280 ug/l
RT: 5.562 min Scan# 7126
Delta R.T. -0.110 min
Lab File: VX040221.D
Acq: 14 Feb 2024 15:32

Instrument :
MSVOA_X
ClientSampleId :

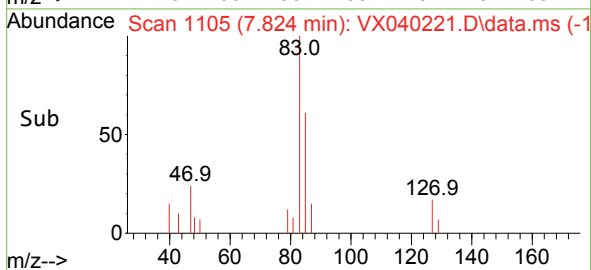
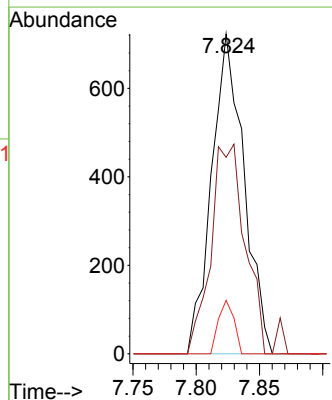
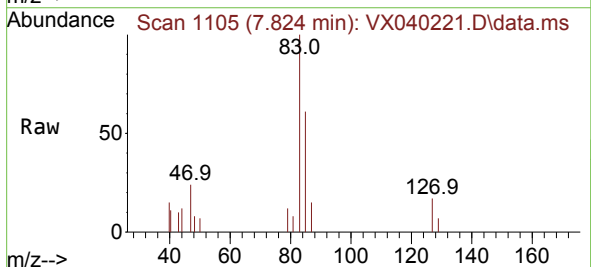


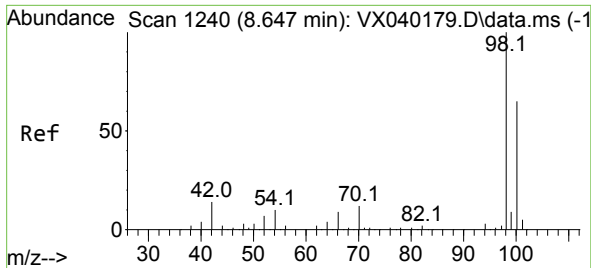
Tgt Ion:117 Resp: 7126
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 0.0 24.4 36.6#



#47
Bromodichloromethane
Concen: 1.042 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VX040221.D
Acq: 14 Feb 2024 15:32

Tgt Ion: 83 Resp: 1284
Ion Ratio Lower Upper
83 100
85 61.4 49.8 74.6
127 16.7 7.1 10.7#

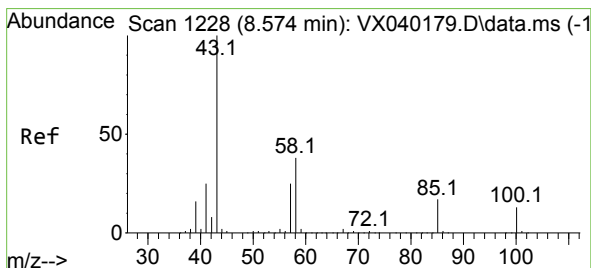
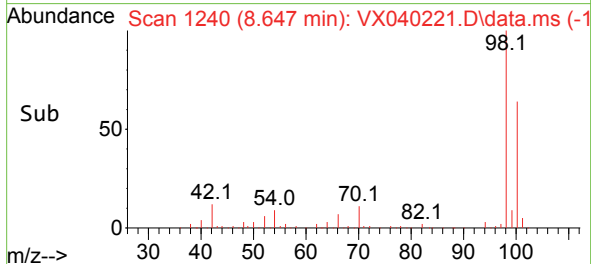
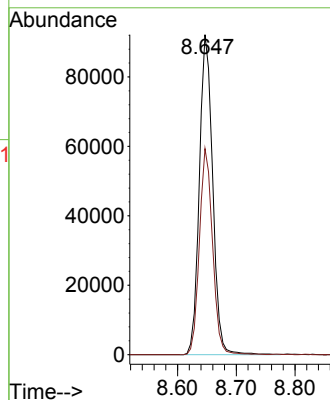
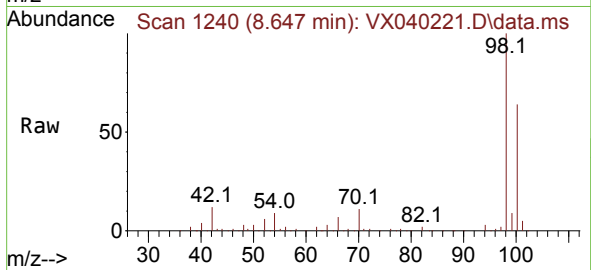




#50
Toluene-d8
Concen: 45.510 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040221.D
Acq: 14 Feb 2024 15:32

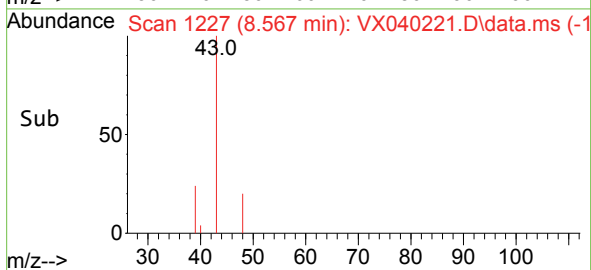
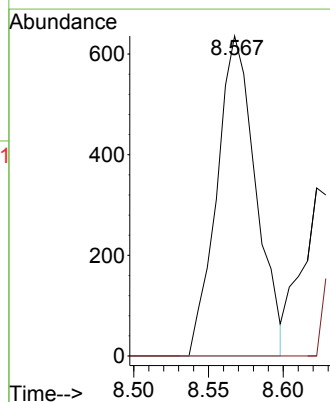
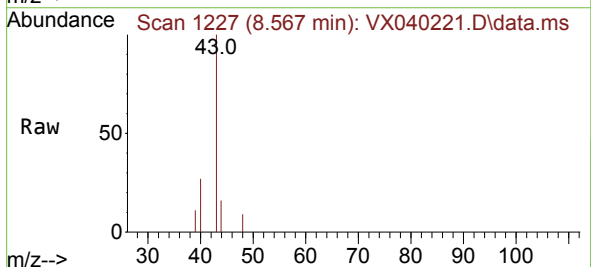
Instrument :
MSVOA_X
ClientSampleId :

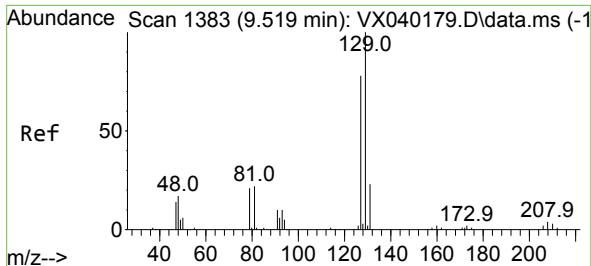
Tgt Ion: 98 Resp: 145039
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.817 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. -0.007 min
Lab File: VX040221.D
Acq: 14 Feb 2024 15:32

Tgt Ion: 43 Resp: 1156
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

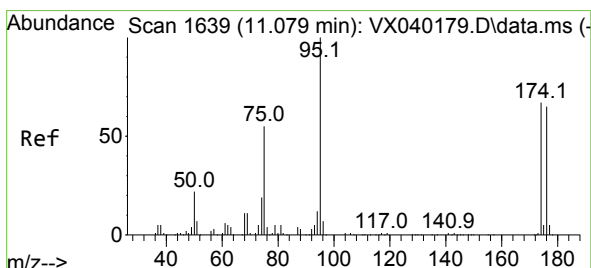
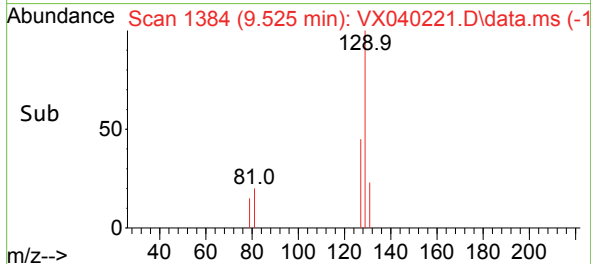
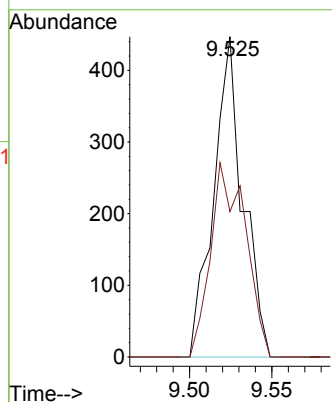
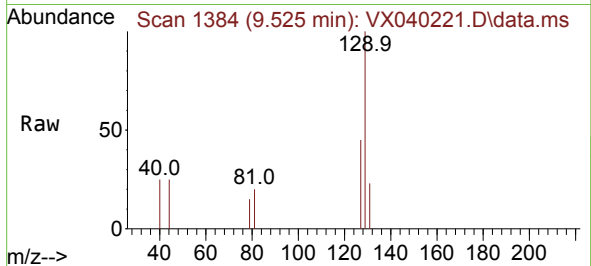




#60
Dibromochloromethane
Concen: 0.584 ug/l
RT: 9.525 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040221.D
Acq: 14 Feb 2024 15:32

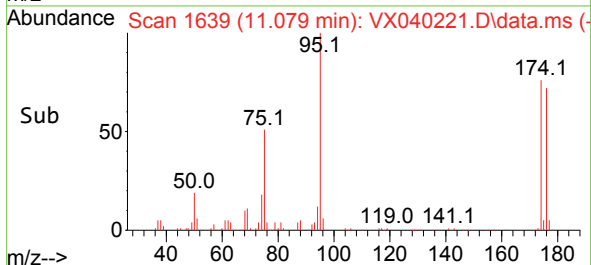
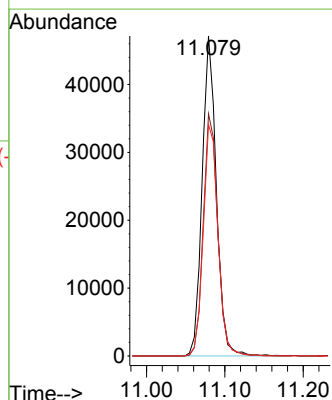
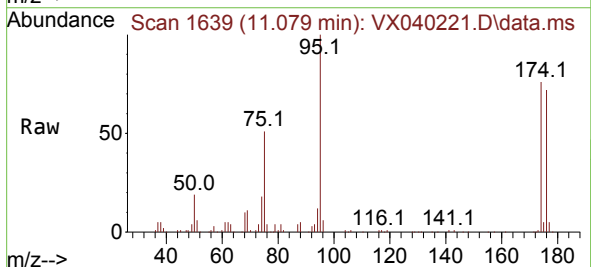
Instrument :
MSVOA_X
ClientSampleId :

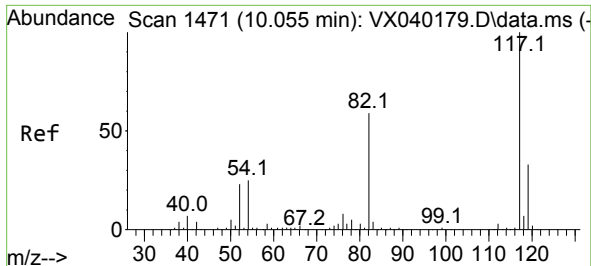
Tgt Ion:129 Resp: 555
Ion Ratio Lower Upper
129 100
127 71.9 38.8 116.4



#62
4-Bromofluorobenzene
Concen: 45.585 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040221.D
Acq: 14 Feb 2024 15:32

Tgt Ion: 95 Resp: 59250
Ion Ratio Lower Upper
95 100
174 77.9 0.0 135.6
176 74.8 0.0 131.0

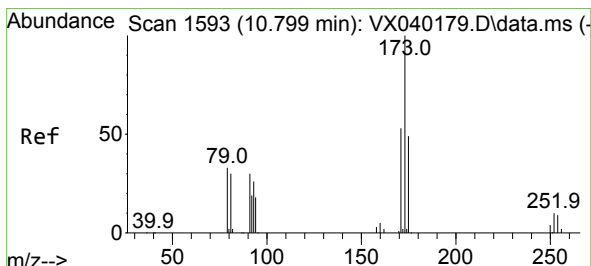
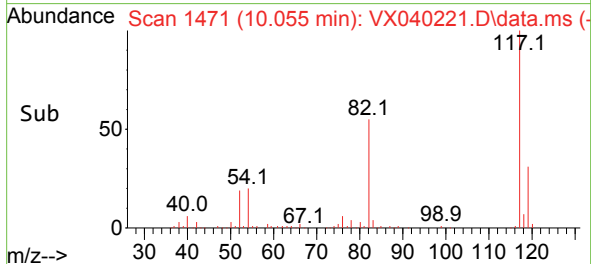
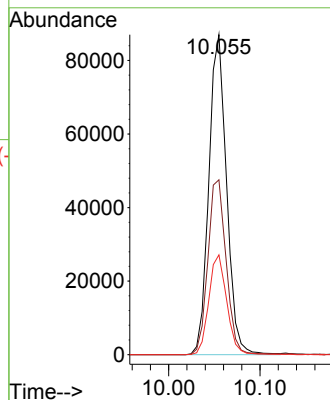
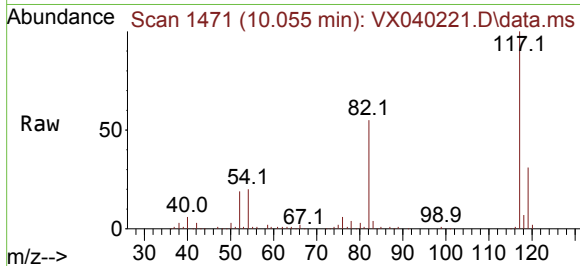




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040221.D
Acq: 14 Feb 2024 15:32

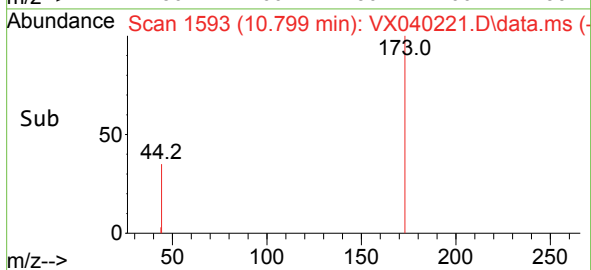
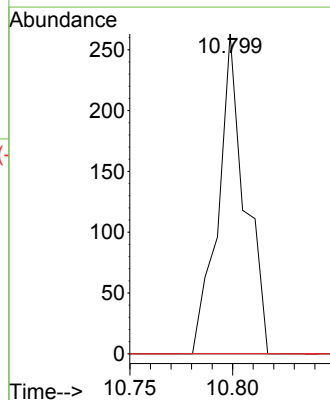
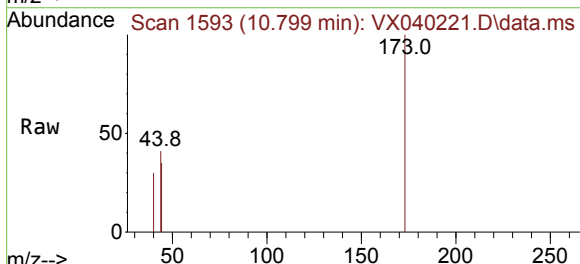
Instrument :
MSVOA_X
ClientSampleId :

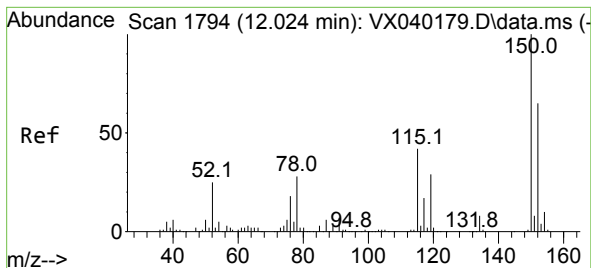
Tgt Ion:117 Resp: 117084
Ion Ratio Lower Upper
117 100
82 54.6 46.2 69.4
119 31.2 25.5 38.3



#71
Bromoform
Concen: 2.358 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX040221.D
Acq: 14 Feb 2024 15:32

Tgt Ion:173 Resp: 238
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# 1

Delta R.T. -0.000 min

Lab File: VX040221.D

Acq: 14 Feb 2024 15:32

Instrument :

MSVOA_X

ClientSampleId :

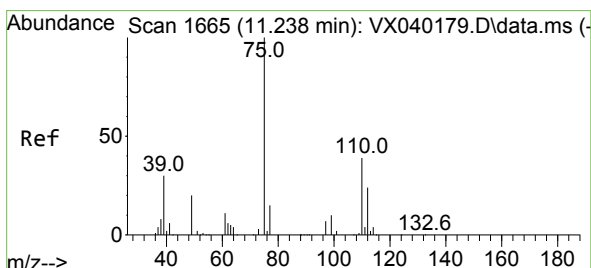
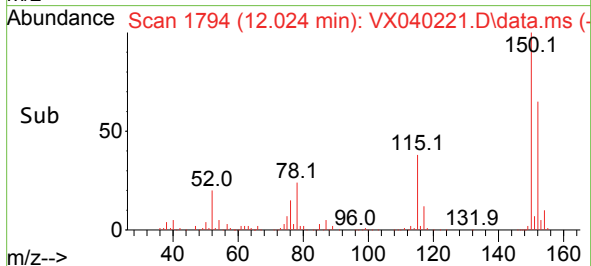
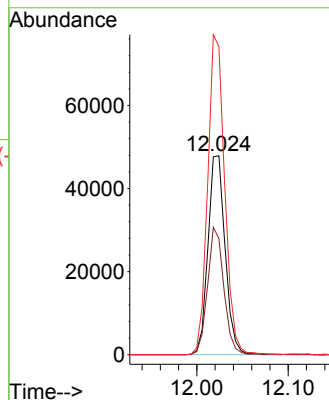
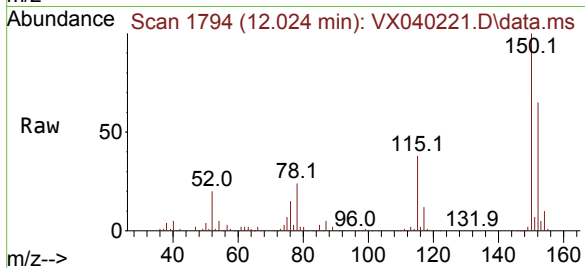
Tgt Ion:152 Resp: 62415

Ion Ratio Lower Upper

152 100

115 60.5 43.3 129.9

150 158.8 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 23.896 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040221.D

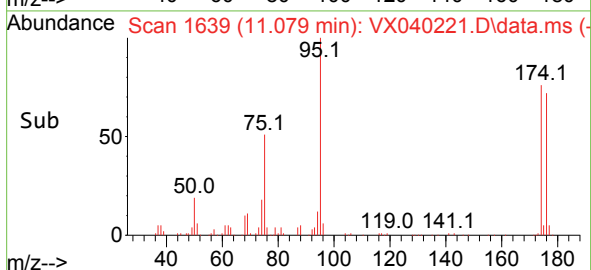
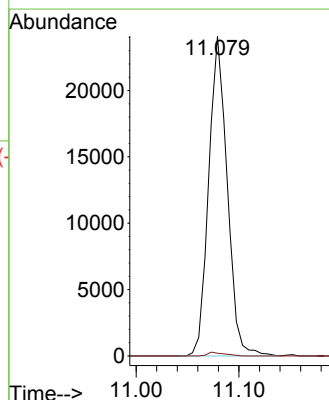
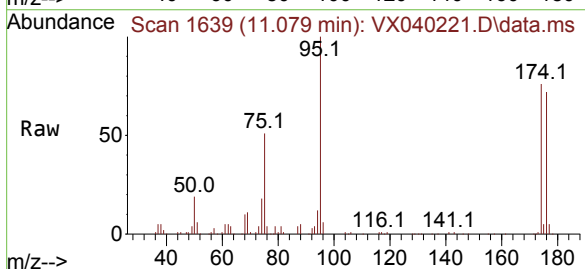
Acq: 14 Feb 2024 15:32

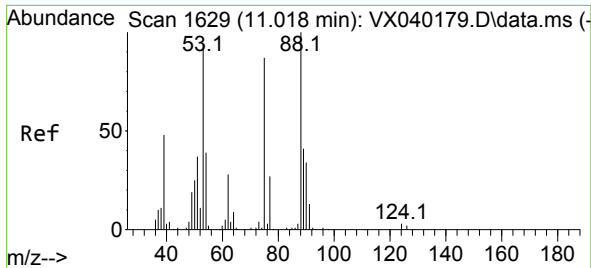
Tgt Ion: 75 Resp: 30203

Ion Ratio Lower Upper

75 100

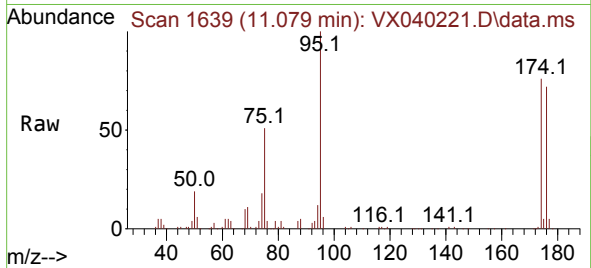
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.889 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040221.D
 Acq: 14 Feb 2024 15:32

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 30203
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

