

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100923\
 Data File : VX038180.D
 Acq On : 09 Oct 2023 18:29
 Operator : JC/MD
 Sample : 04713-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 01:00:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

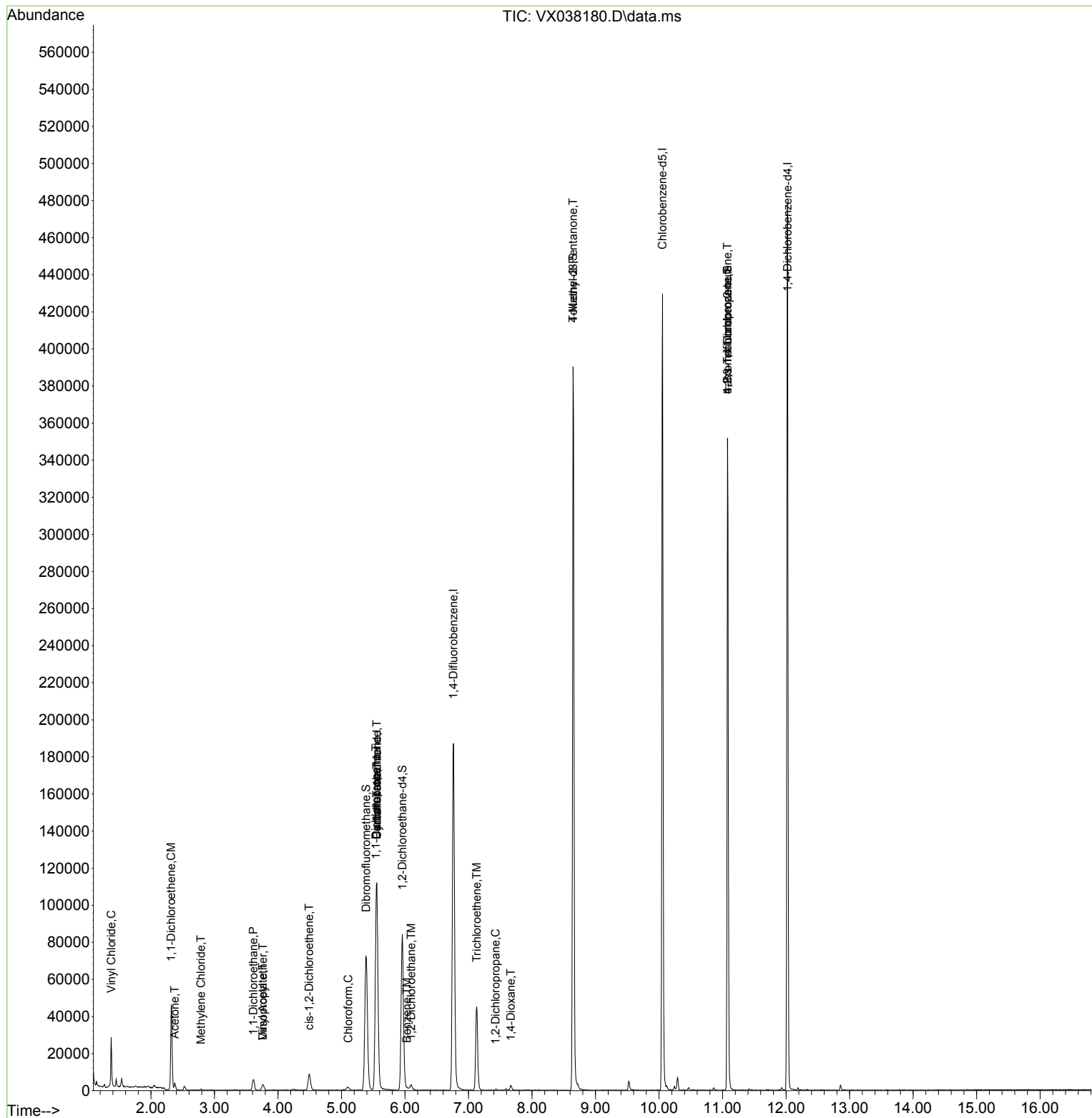
Internal Standards						
1) Pentafluorobenzene	5.556	168	106341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	191541	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97654	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79498	46.478	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.960%
35) Dibromofluoromethane	5.385	113	62065	44.969	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.940%
50) Toluene-d8	8.647	98	235452	44.644	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.280%#
62) 4-Bromofluorobenzene	11.079	95	89119	44.572	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.140%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	14970	12.906	ug/l	98
5) Bromomethane	1.538	94	60	Below Cal	#	3
6) Chloroethane	1.697	64	131	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	106	Below Cal	#	78
12) 1,1-Dichloroethene	2.319	96	15270	15.695	ug/l	90
16) Acetone	2.373	43	3665	5.134	ug/l	# 86
20) Methylene Chloride	2.788	84	304	0.226	ug/l	# 64
22) Diisopropyl ether	3.763	45	2976	0.816	ug/l	# 74
23) Vinyl Acetate	3.757	43	1675	0.626	ug/l	# 73
24) 1,1-Dichloroethane	3.611	63	6884	3.110	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	5728	3.993	ug/l	81
30) Chloroform	5.105	83	2007	0.829	ug/l	# 84
31) Cyclohexane	5.556	56	2866	1.547	ug/l	# 34
36) 1,1-Dichloropropene	5.544	75	4340	2.280	ug/l	# 61
38) Carbon Tetrachloride	5.556	117	10928	5.837	ug/l	# 15
40) Benzene	6.031	78	1177	0.221	ug/l	95
42) 1,2-Dichloroethane	6.098	62	3182	1.496	ug/l	93
44) Trichloroethene	7.129	130	16921	12.153	ug/l	94
45) 1,2-Dichloropropane	7.427	63	300	0.218	ug/l	# 44
49) 1,4-Dioxane	7.665	88	2007	50.561	ug/l	# 79
51) 4-Methyl-2-Pentanone	8.647	43	1018	0.437	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	49384	22.245	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	49384	63.747	ug/l	# 5

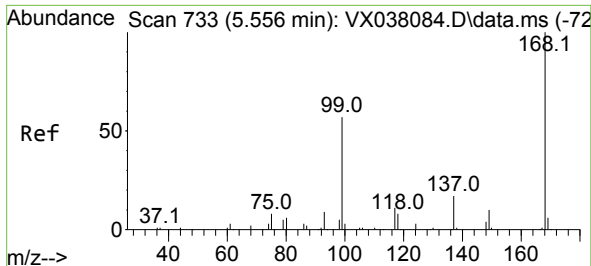
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.000 min

Lab File: VX038180.D

Acq: 09 Oct 2023 18:29

Instrument :

MSVOA_X

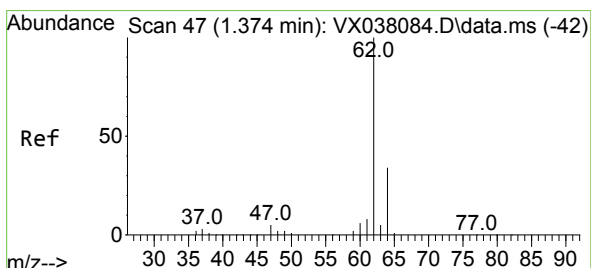
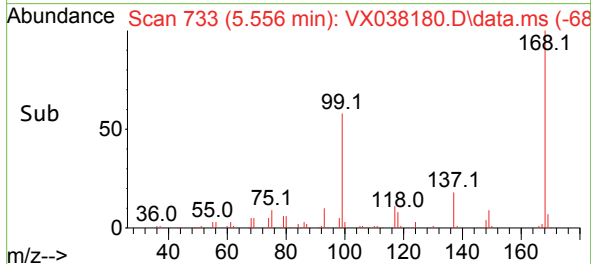
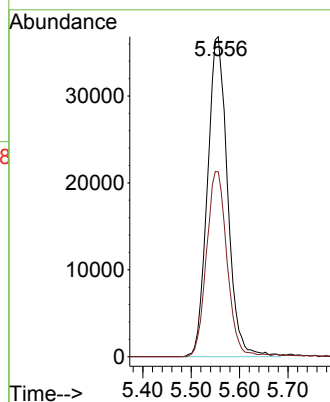
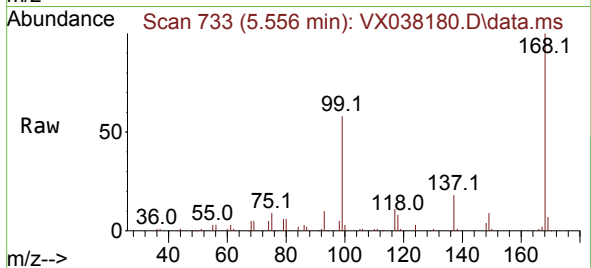
ClientSampleId :

Tgt Ion:168 Resp: 106341

Ion Ratio Lower Upper

168 100

99 57.8 56.6 85.0



#4

Vinyl Chloride

Concen: 12.906 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX038180.D

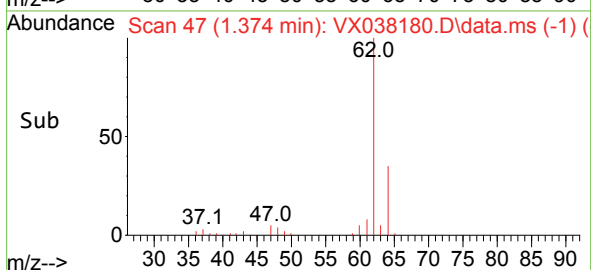
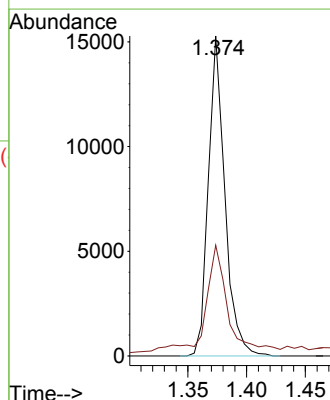
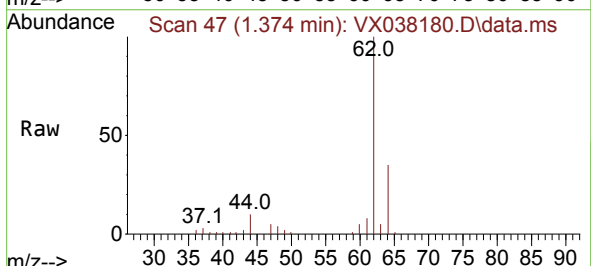
Acq: 09 Oct 2023 18:29

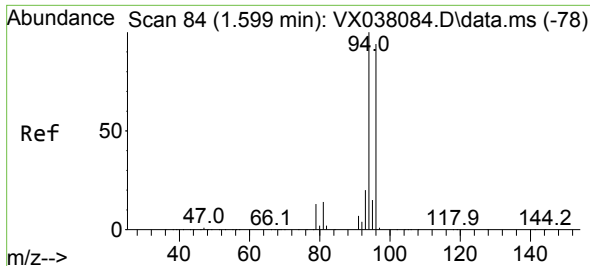
Tgt Ion: 62 Resp: 14970

Ion Ratio Lower Upper

62 100

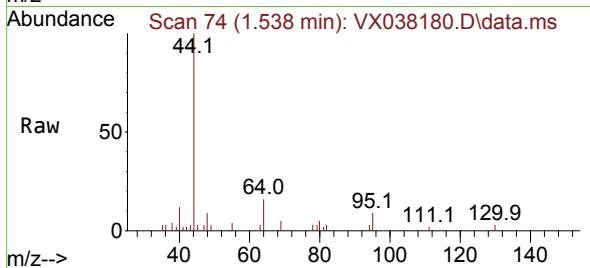
64 32.5 25.4 38.0



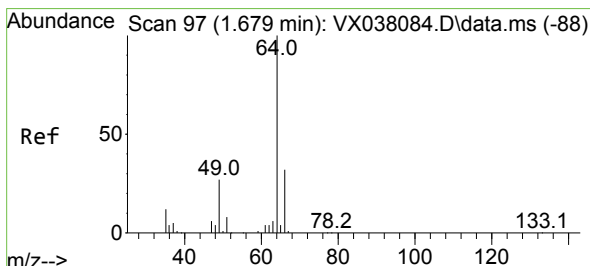
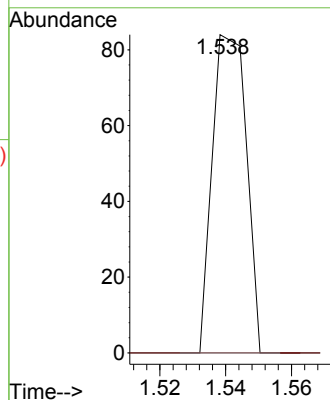
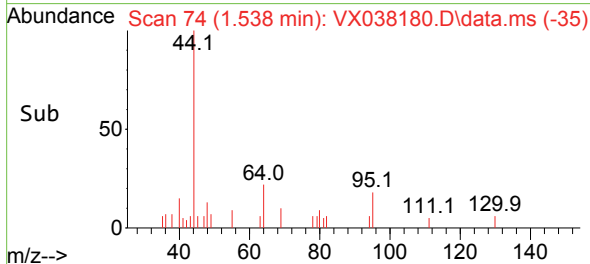


#5
 Bromomethane
 Concen: Below Cal
 RT: 1.538 min Scan# 74
 Delta R.T. -0.061 min
 Lab File: VX038180.D
 Acq: 09 Oct 2023 18:29

Instrument :
 MSVOA_X
 ClientSampleId :

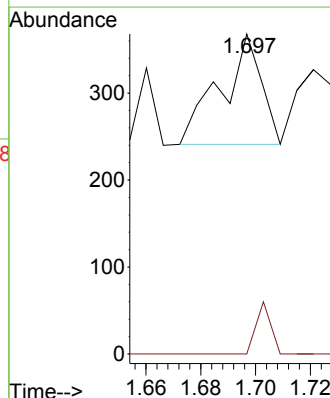
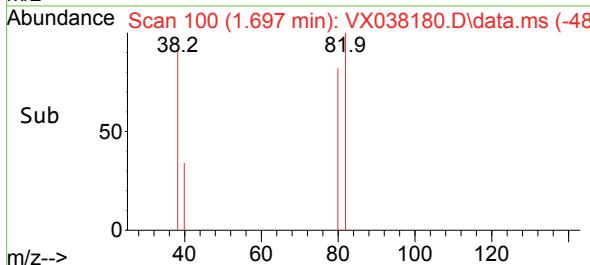
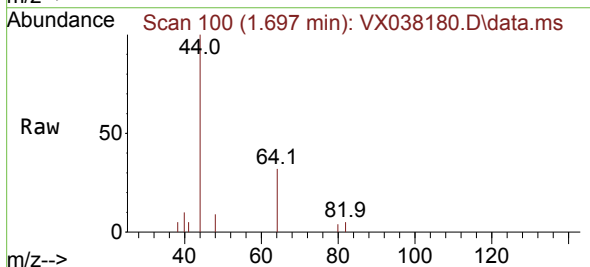


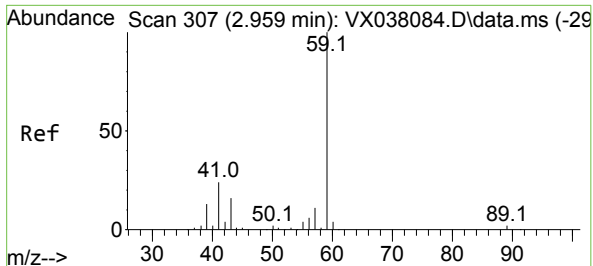
Tgt Ion: 94 Resp: 60
 Ion Ratio Lower Upper
 94 100
 96 0.0 74.6 111.8#



#6
 Chloroethane
 Concen: Below Cal
 RT: 1.697 min Scan# 100
 Delta R.T. 0.018 min
 Lab File: VX038180.D
 Acq: 09 Oct 2023 18:29

Tgt Ion: 64 Resp: 131
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.1 37.7#

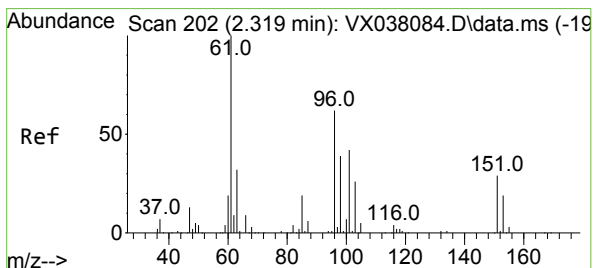
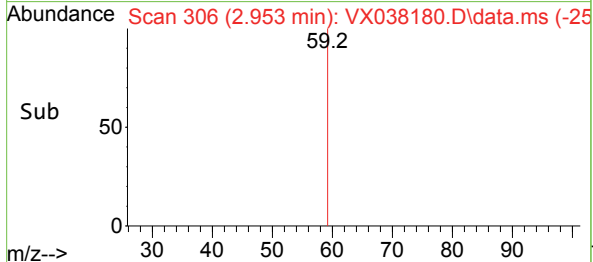
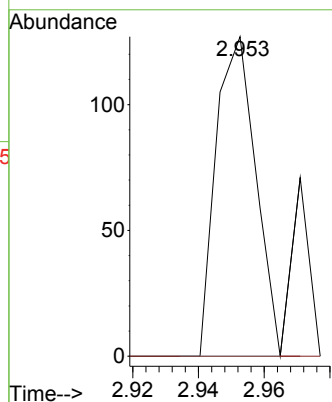
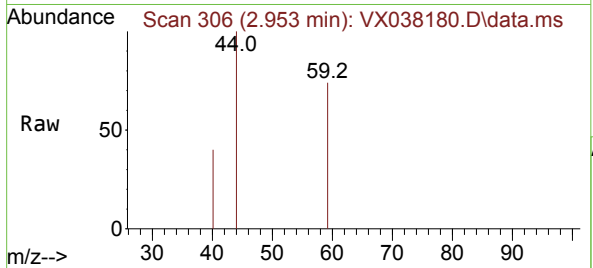




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX038180.D
Acq: 09 Oct 2023 18:29

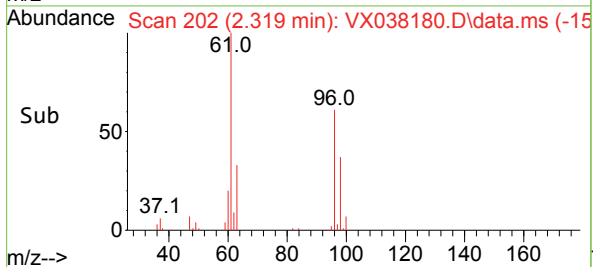
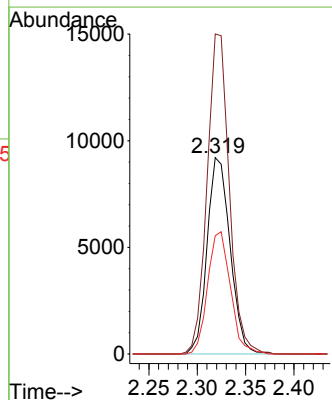
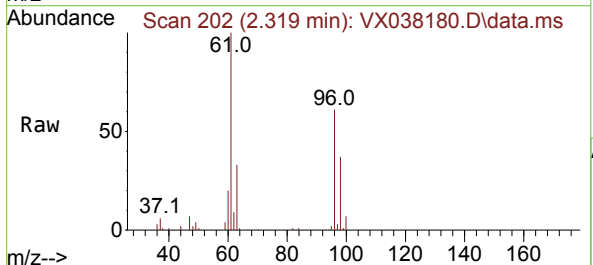
Instrument :
MSVOA_X
ClientSampleId :

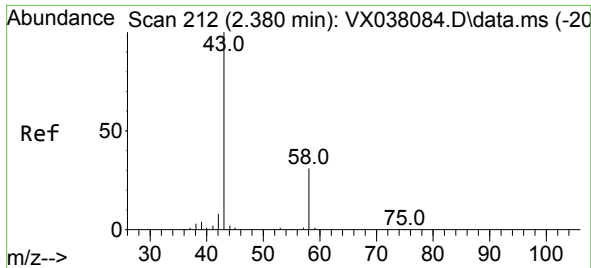
Tgt Ion: 59 Resp: 106
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 15.695 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX038180.D
Acq: 09 Oct 2023 18:29

Tgt Ion: 96 Resp: 15270
Ion Ratio Lower Upper
96 100
61 163.0 144.6 216.8
98 60.2 50.4 75.6





#16

Acetone

Concen: 5.134 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.007 min

Lab File: VX038180.D

Acq: 09 Oct 2023 18:29

Instrument :

MSVOA_X

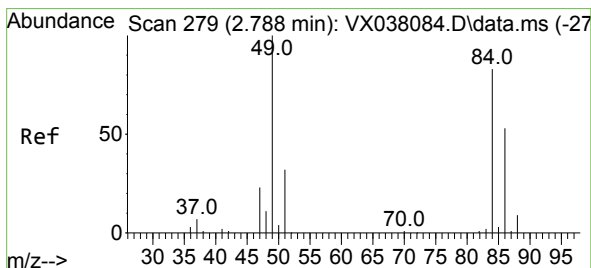
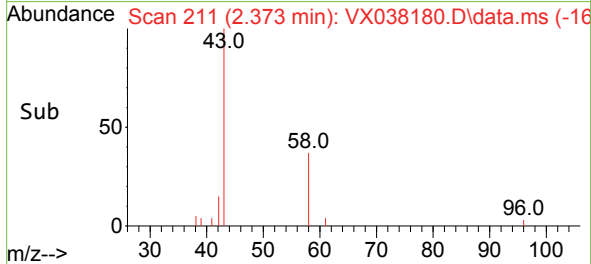
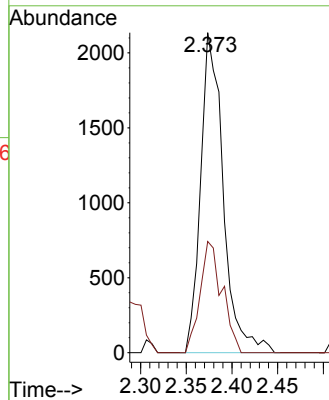
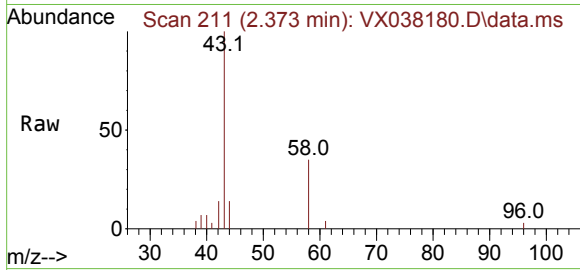
ClientSampleId :

Tgt Ion: 43 Resp: 3665

Ion Ratio Lower Upper

43 100

58 34.8 21.9 32.9#



#20

Methylene Chloride

Concen: 0.226 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX038180.D

Acq: 09 Oct 2023 18:29

Tgt Ion: 84 Resp: 304

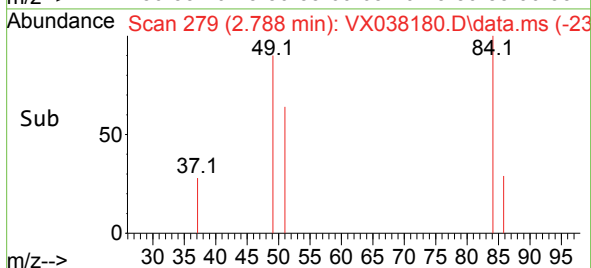
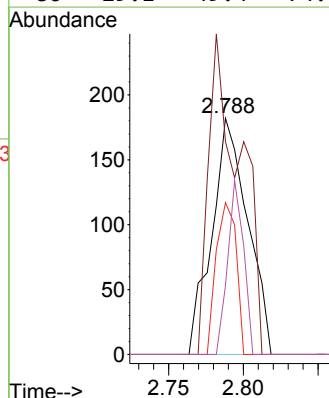
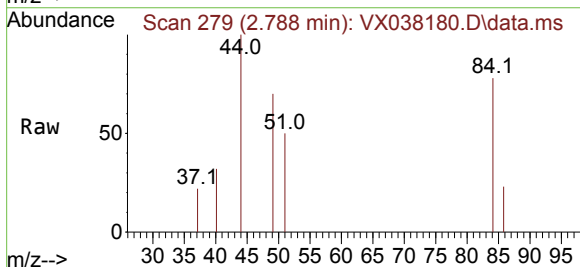
Ion Ratio Lower Upper

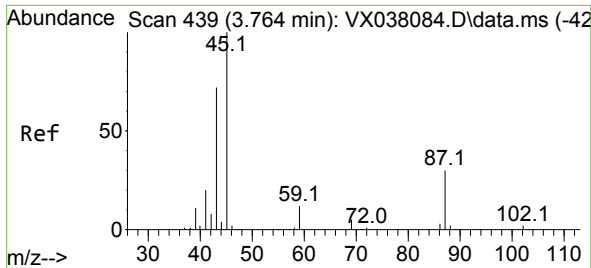
84 100

49 90.1 103.6 155.4#

51 64.3 33.8 50.6#

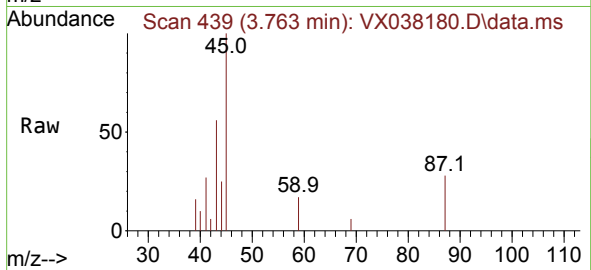
86 29.1 49.4 74.0#



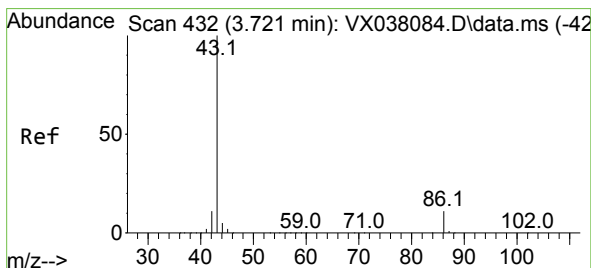
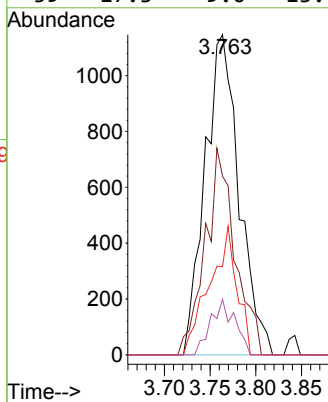
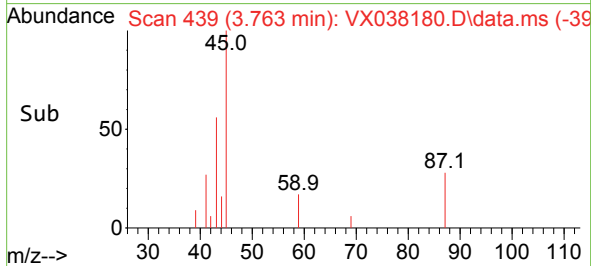


#22
Diisopropyl ether
Concen: 0.816 ug/l
RT: 3.763 min Scan# 41
Delta R.T. -0.001 min
Lab File: VX038180.D
Acq: 09 Oct 2023 18:29

Instrument :
MSVOA_X
ClientSampleId :

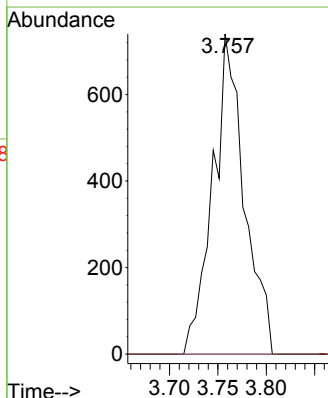
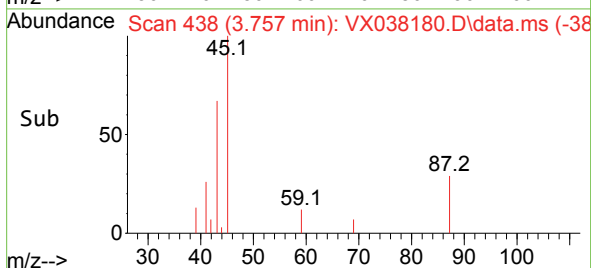
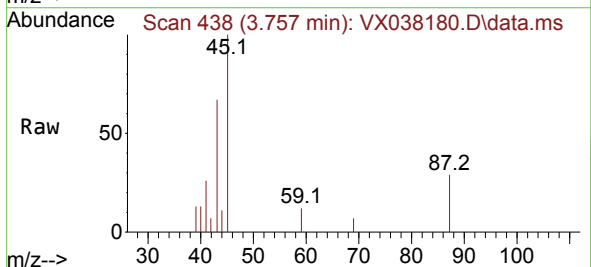


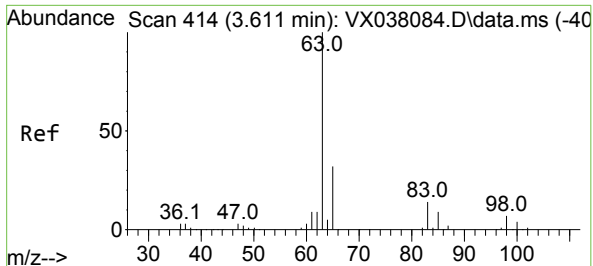
Tgt Ion:	45	Resp:	2976
Ion	Ratio	Lower	Upper
45	100		
43	55.8	69.7	104.5#
87	27.6	20.8	31.2
59	17.3	9.0	13.4#



#23
Vinyl Acetate
Concen: 0.626 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.036 min
Lab File: VX038180.D
Acq: 09 Oct 2023 18:29

Tgt Ion:	43	Resp:	1675
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.8	11.8#





#24

1,1-Dichloroethane

Concen: 3.110 ug/l

RT: 3.611 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX038180.D

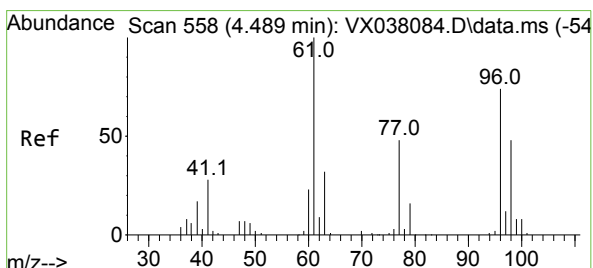
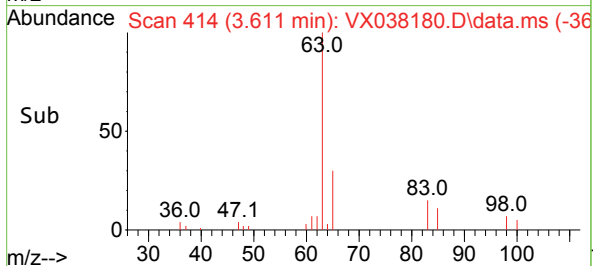
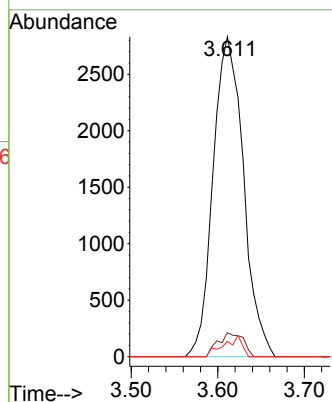
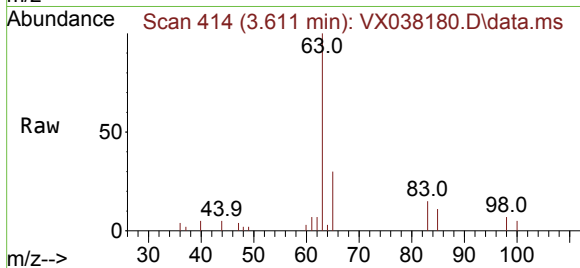
Acq: 09 Oct 2023 18:29

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 63	Resp: 6884
Ion Ratio	Lower Upper
63 100	
98 7.5	3.3 9.8
100 4.8	2.1 6.5



#27

cis-1,2-Dichloroethene

Concen: 3.993 ug/l

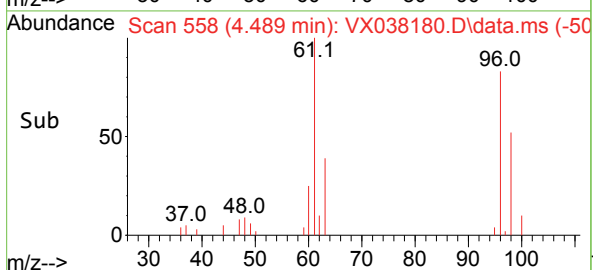
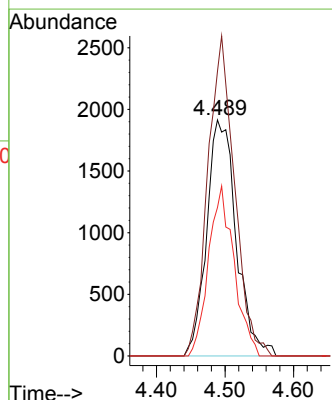
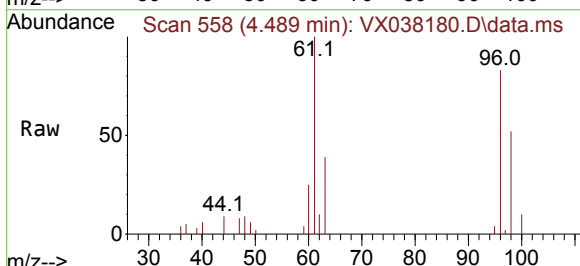
RT: 4.489 min Scan# 558

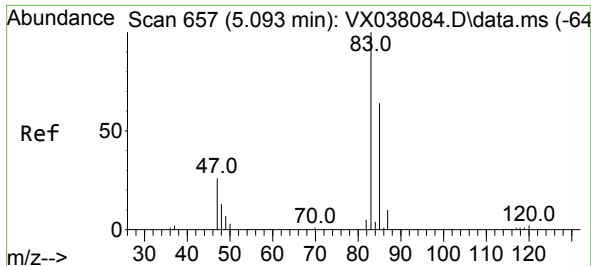
Delta R.T. -0.000 min

Lab File: VX038180.D

Acq: 09 Oct 2023 18:29

Tgt Ion: 96	Resp: 5728
Ion Ratio	Lower Upper
96 100	
61 122.9	0.0 312.2
98 61.9	0.0 129.0





#30

Chloroform

Concen: 0.829 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX038180.D

Acq: 09 Oct 2023 18:29

Instrument :

MSVOA_X

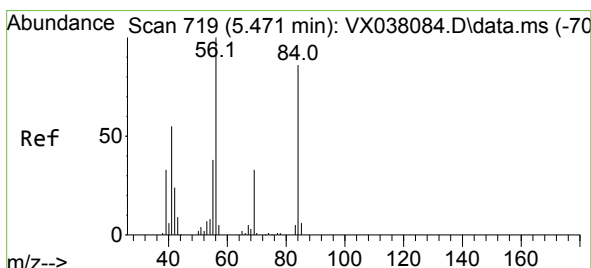
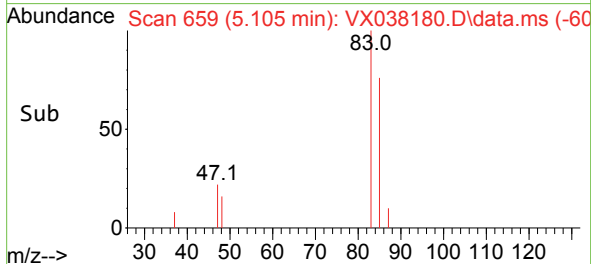
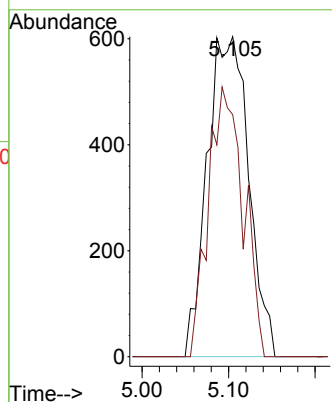
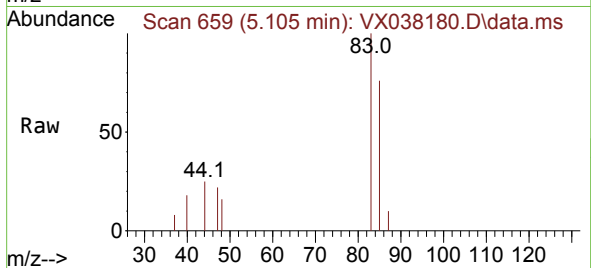
ClientSampleId :

Tgt Ion: 83 Resp: 2007

Ion Ratio Lower Upper

83 100

85 75.7 50.3 75.5#



#31

Cyclohexane

Concen: 1.547 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX038180.D

Acq: 09 Oct 2023 18:29

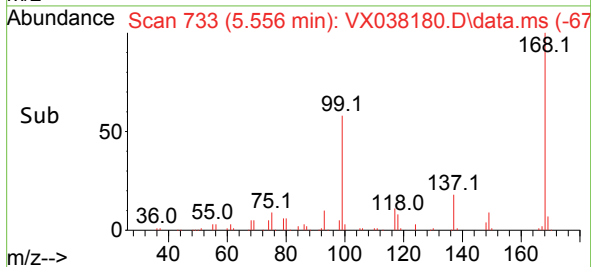
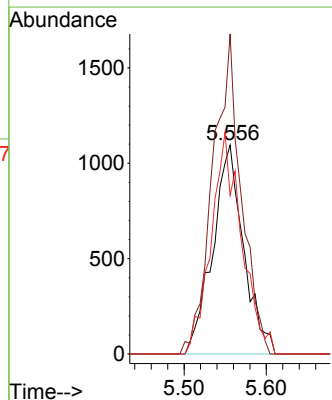
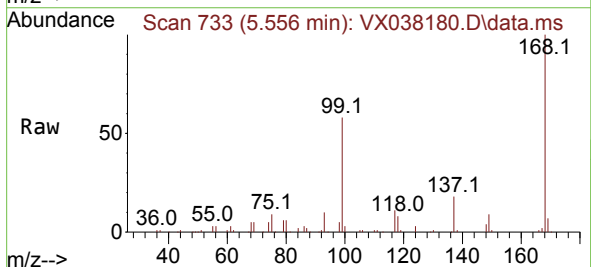
Tgt Ion: 56 Resp: 2866

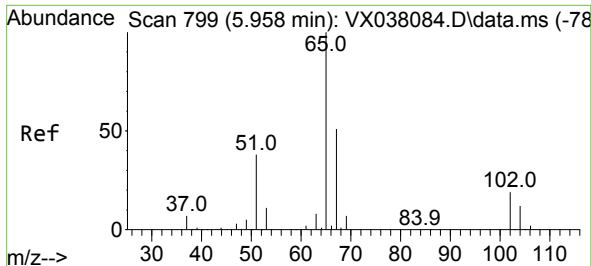
Ion Ratio Lower Upper

56 100

69 153.1 23.4 35.2#

84 75.9 65.9 98.9

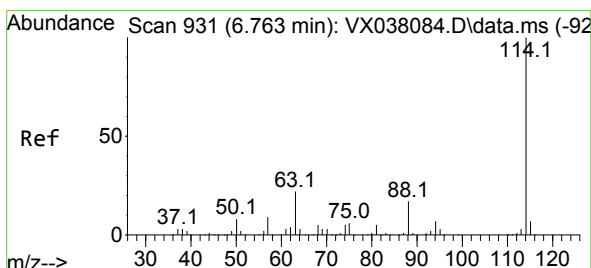
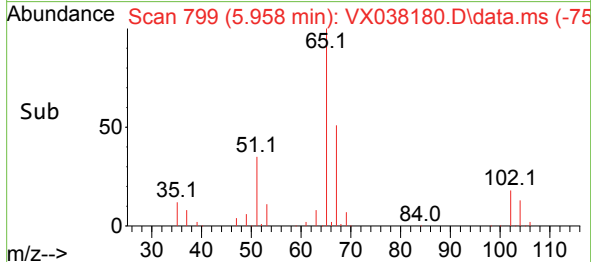
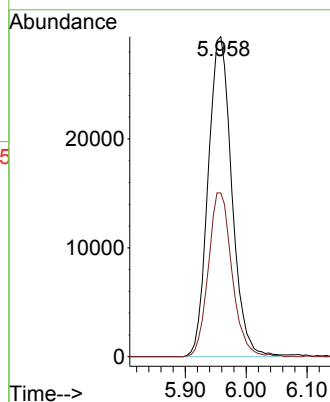
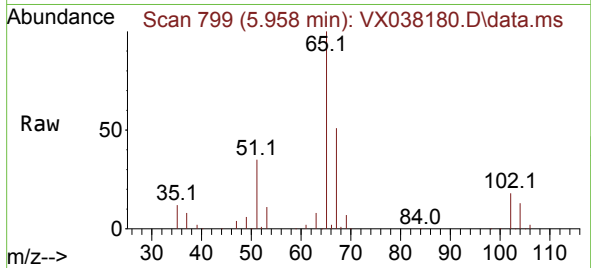




#33
1,2-Dichloroethane-d4
Concen: 46.478 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038180.D
Acq: 09 Oct 2023 18:29

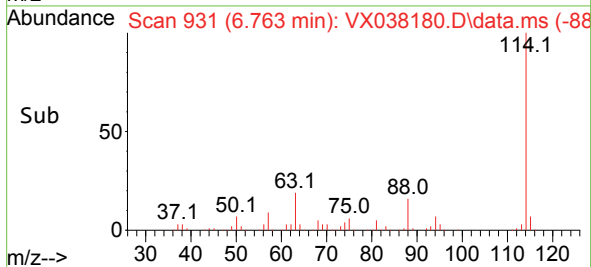
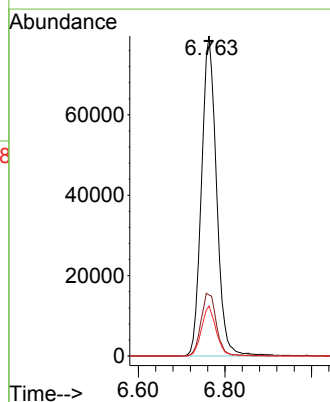
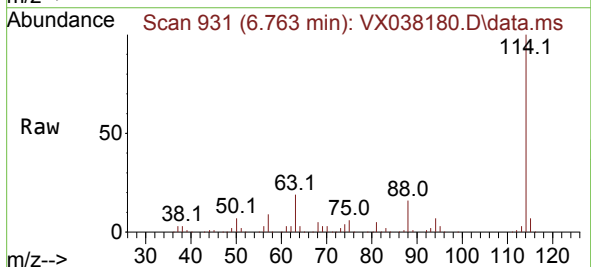
Instrument :
MSVOA_X
ClientSampleId :

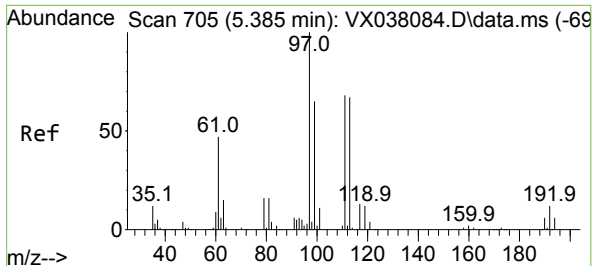
Tgt Ion: 65 Resp: 79498
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX038180.D
Acq: 09 Oct 2023 18:29

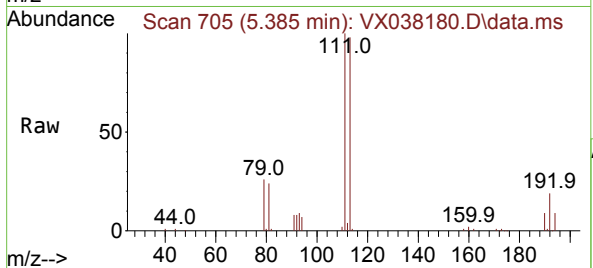
Tgt Ion: 114 Resp: 191541
Ion Ratio Lower Upper
114 100
63 19.1 0.0 45.0
88 15.6 0.0 36.6



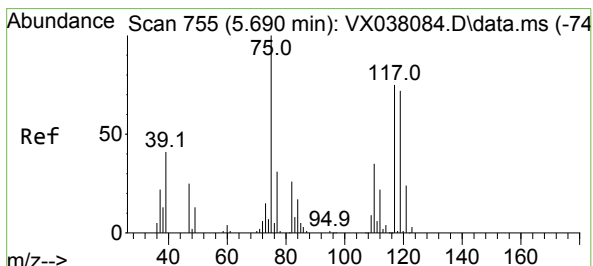
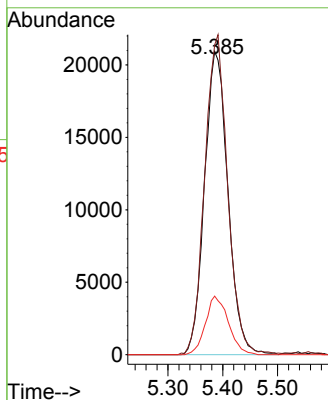
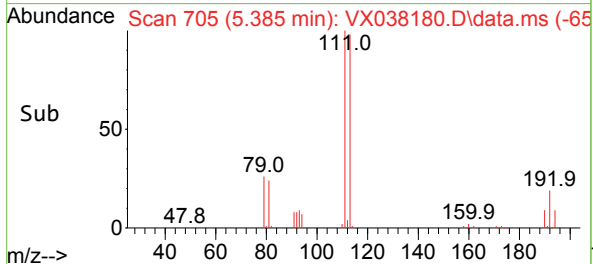


#35
Dibromofluoromethane
Concen: 44.969 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038180.D
Acq: 09 Oct 2023 18:29

Instrument :
MSVOA_X
ClientSampleId :

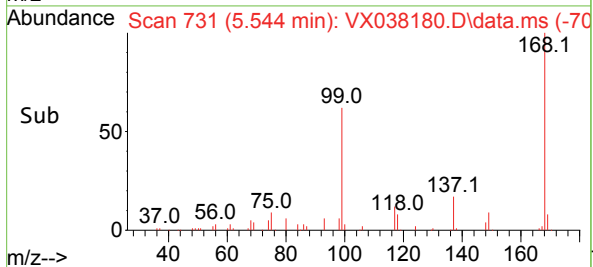
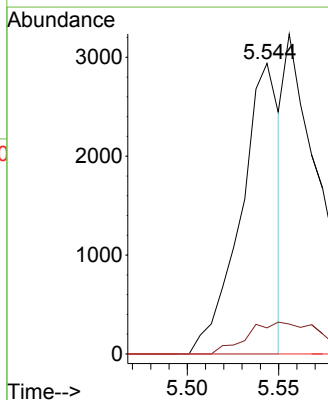
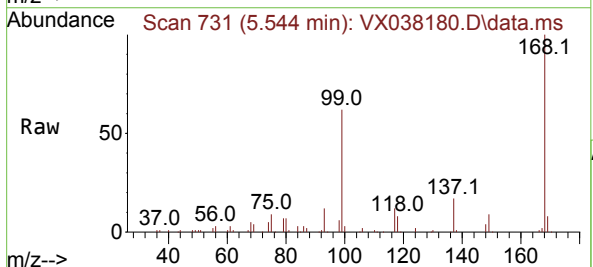


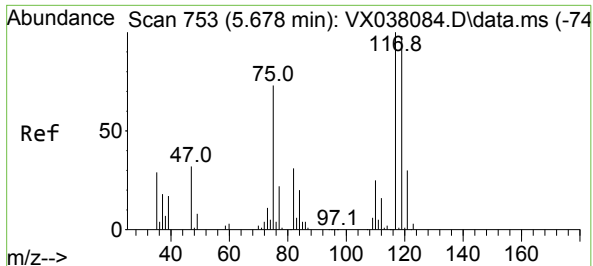
Tgt Ion:113 Resp: 62065
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 18.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 2.280 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX038180.D
Acq: 09 Oct 2023 18:29

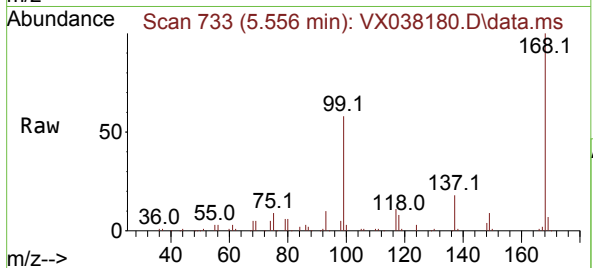
Tgt Ion: 75 Resp: 4340
Ion Ratio Lower Upper
75 100
110 20.8 17.0 50.9
77 0.0 24.7 37.1#



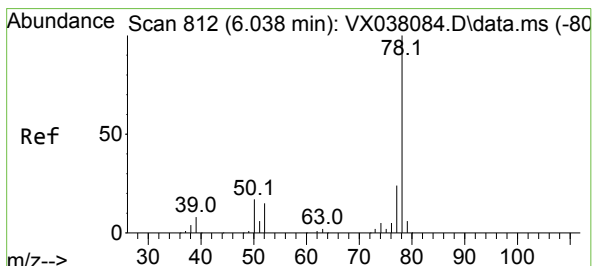
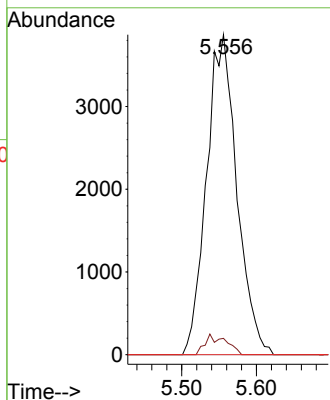
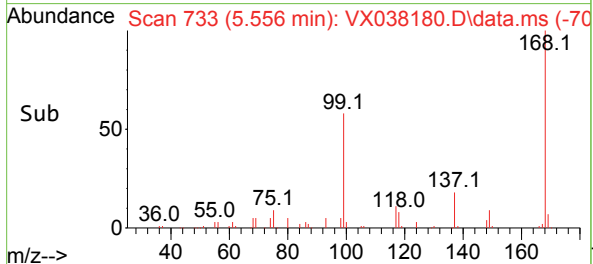


#38
Carbon Tetrachloride
Concen: 5.837 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX038180.D
Acq: 09 Oct 2023 18:29

Instrument :
MSVOA_X
ClientSampleId :

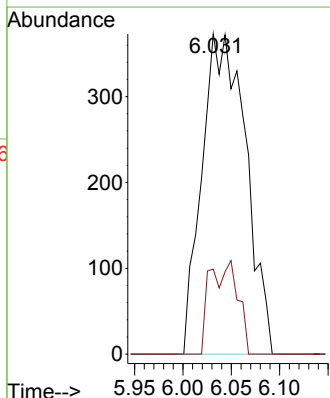
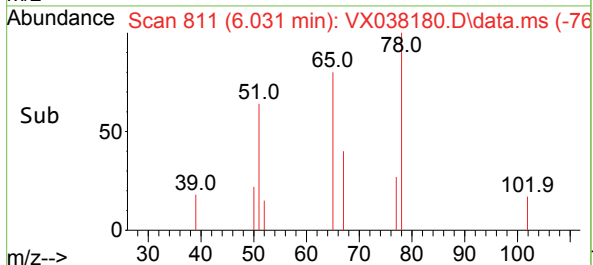
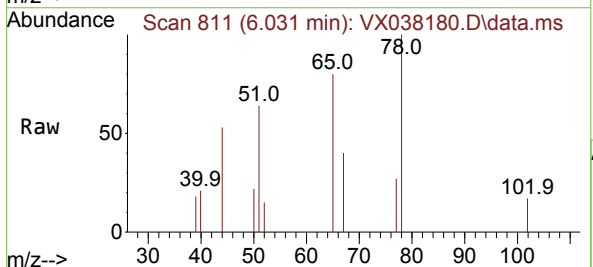


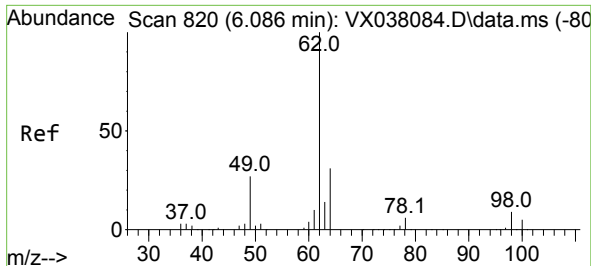
Tgt Ion:117 Resp: 10928
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.221 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.007 min
Lab File: VX038180.D
Acq: 09 Oct 2023 18:29

Tgt Ion: 78 Resp: 1177
Ion Ratio Lower Upper
78 100
77 26.5 19.3 28.9





#42

1,2-Dichloroethane

Concen: 1.496 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX038180.D

Acq: 09 Oct 2023 18:29

Instrument :

MSVOA_X

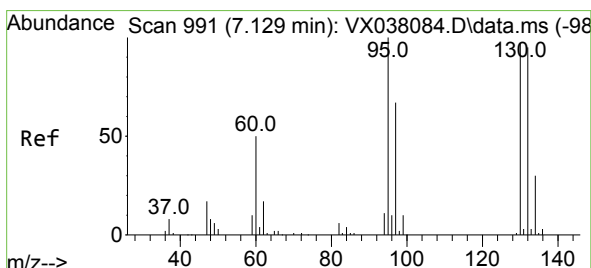
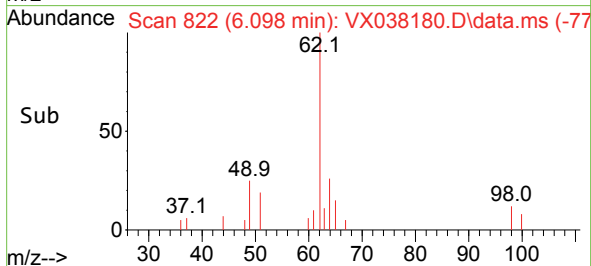
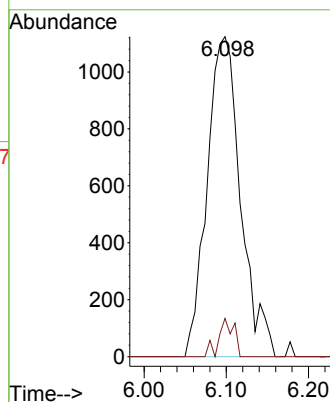
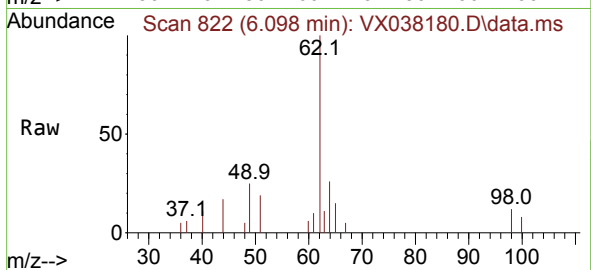
ClientSampleId :

Tgt Ion: 62 Resp: 3182

Ion Ratio Lower Upper

62 100

98 5.4 0.0 16.0



#44

Trichloroethene

Concen: 12.153 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX038180.D

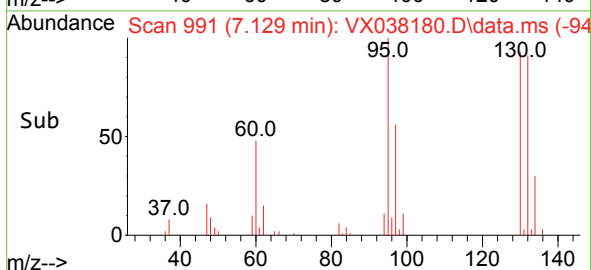
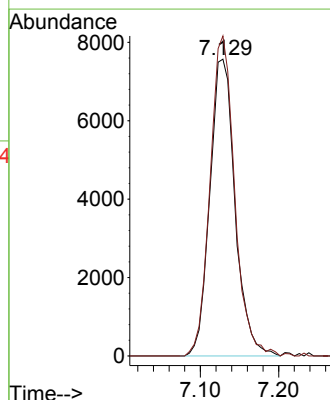
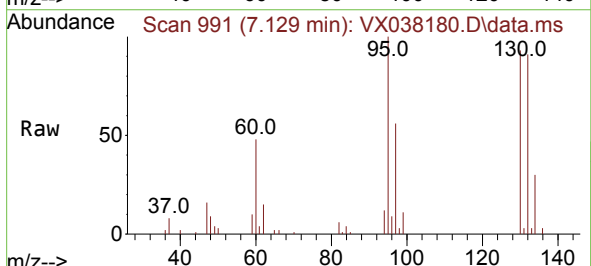
Acq: 09 Oct 2023 18:29

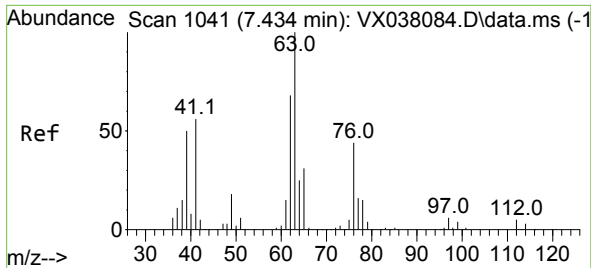
Tgt Ion:130 Resp: 16921

Ion Ratio Lower Upper

130 100

95 107.8 0.0 204.4

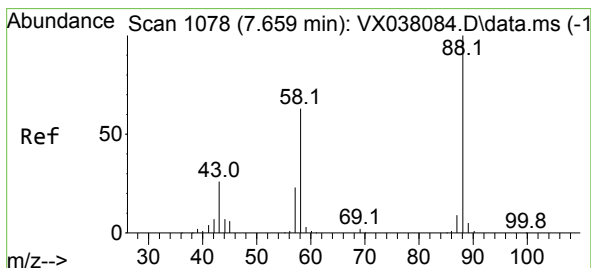
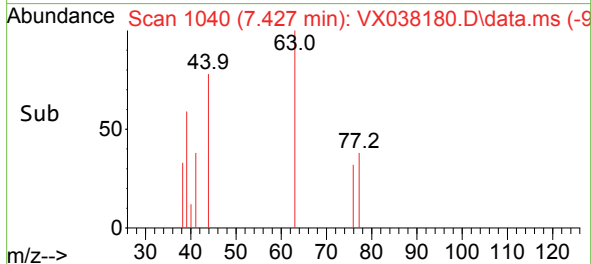
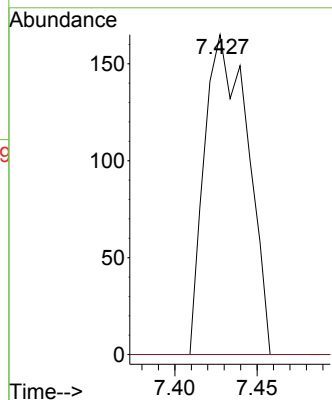
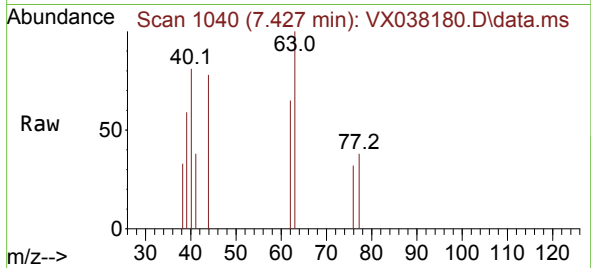




#45
1,2-Dichloropropane
Concen: 0.218 ug/l
RT: 7.427 min Scan# 1040
Delta R.T. -0.007 min
Lab File: VX038180.D
Acq: 09 Oct 2023 18:29

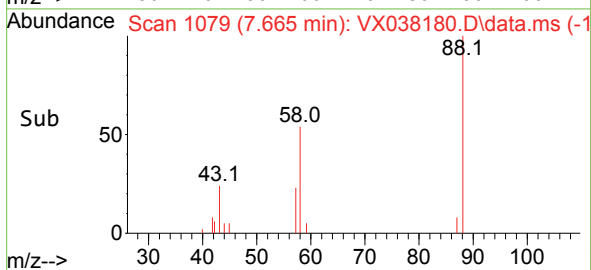
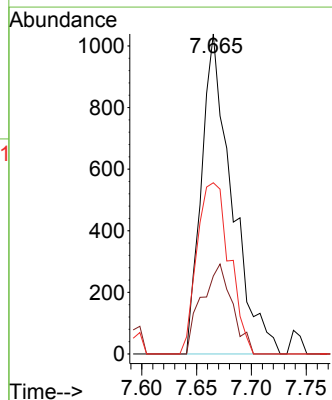
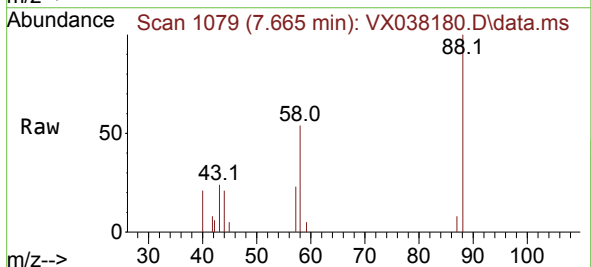
Instrument :
MSVOA_X
ClientSampleId :

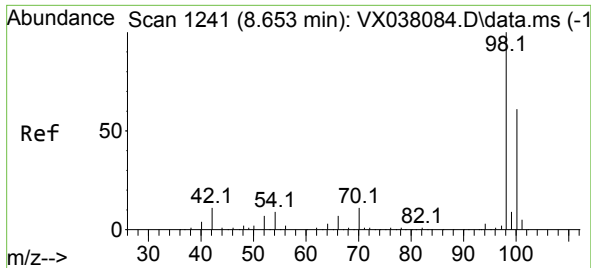
Tgt Ion: 63 Resp: 300
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#49
1,4-Dioxane
Concen: 50.561 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX038180.D
Acq: 09 Oct 2023 18:29

Tgt Ion: 88 Resp: 2007
Ion Ratio Lower Upper
88 100
43 28.2 0.0 0.0#
58 57.3 60.1 90.1#

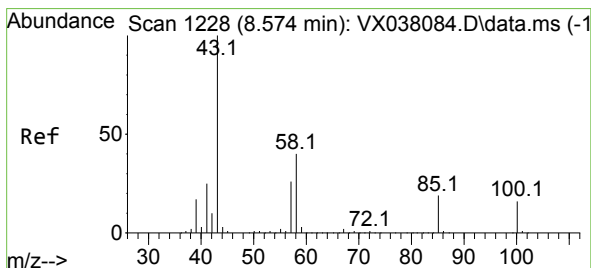
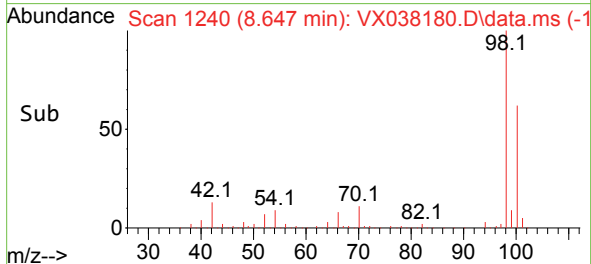
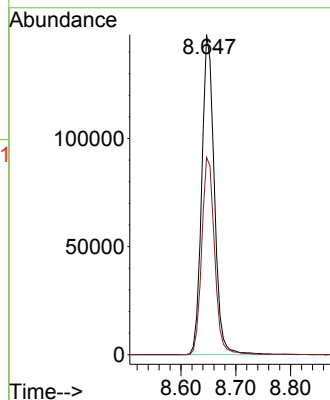
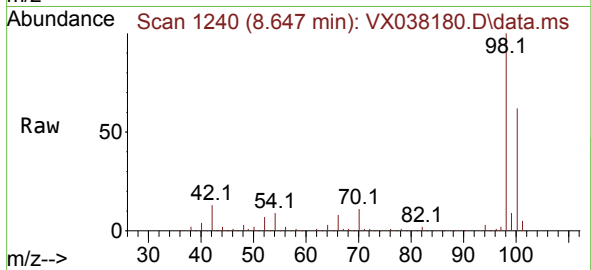




#50
Toluene-d8
Concen: 44.644 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038180.D
Acq: 09 Oct 2023 18:29

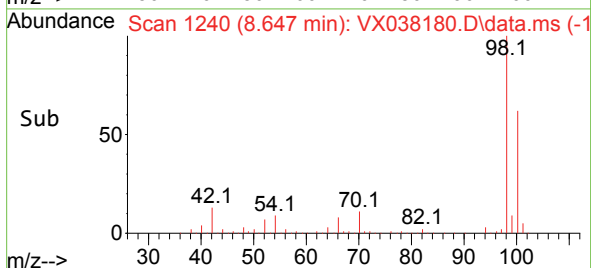
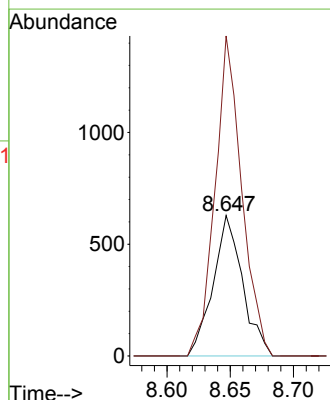
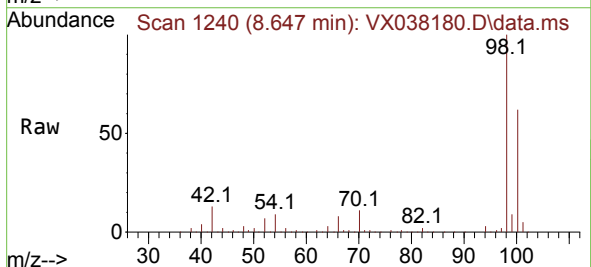
Instrument :
MSVOA_X
ClientSampleId :

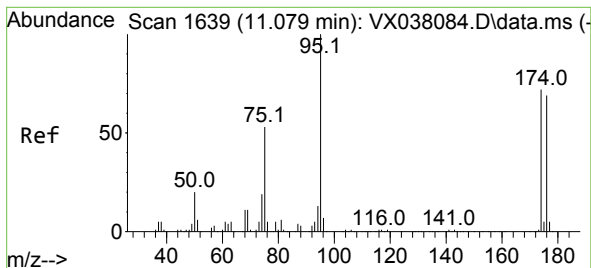
Tgt Ion: 98 Resp: 235452
Ion Ratio Lower Upper
98 100
100 63.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.437 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX038180.D
Acq: 09 Oct 2023 18:29

Tgt Ion: 43 Resp: 1018
Ion Ratio Lower Upper
43 100
58 206.8 30.4 45.6#

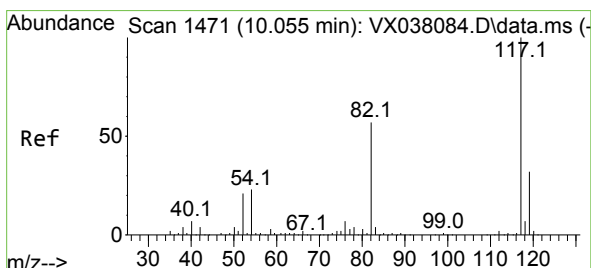
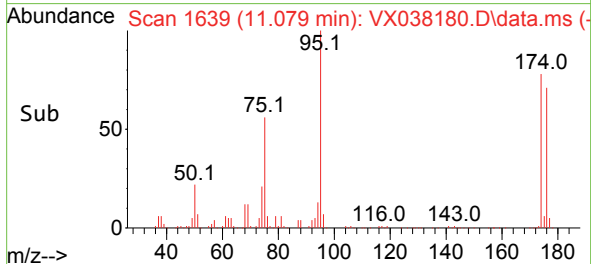
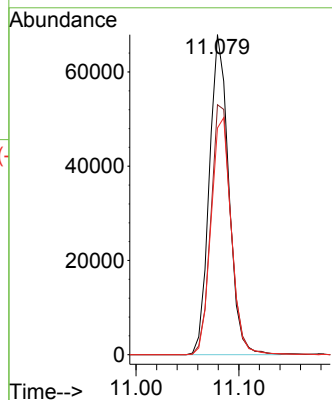
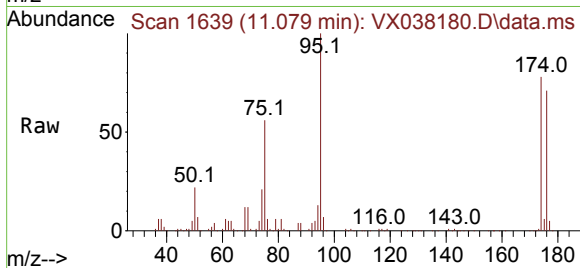




#62
4-Bromofluorobenzene
Concen: 44.572 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038180.D
Acq: 09 Oct 2023 18:29

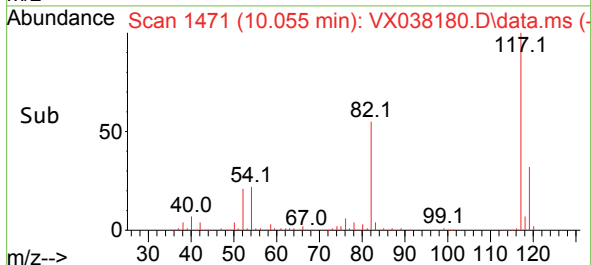
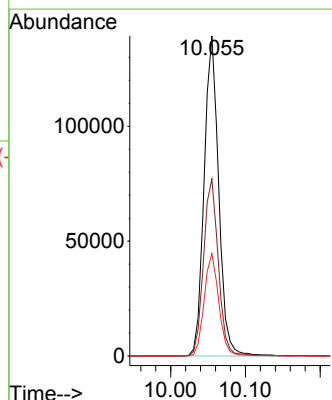
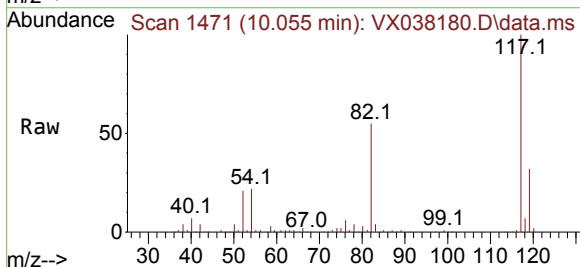
Instrument :
MSVOA_X
ClientSampleId :

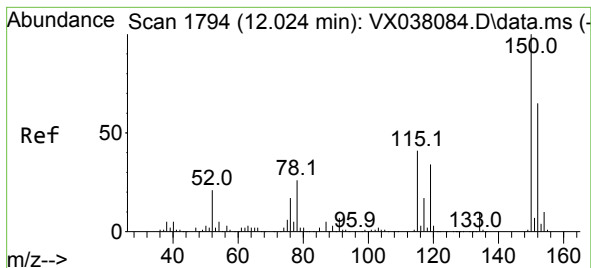
Tgt Ion: 95 Resp: 89119
Ion Ratio Lower Upper
95 100
174 81.1 0.0 135.6
176 77.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038180.D
Acq: 09 Oct 2023 18:29

Tgt Ion: 117 Resp: 188369
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.0 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038180.D

Acq: 09 Oct 2023 18:29

Instrument :

MSVOA_X

ClientSampleId :

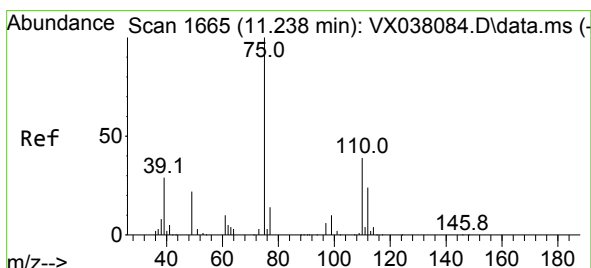
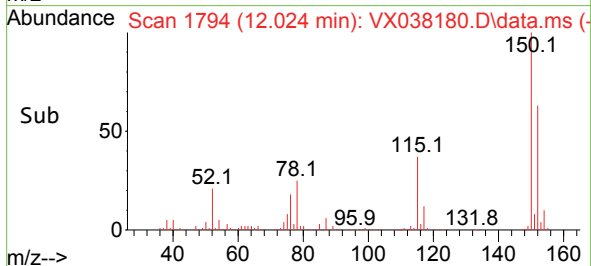
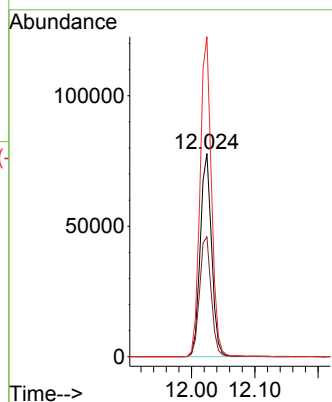
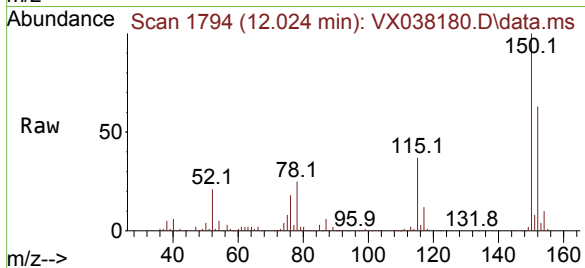
Tgt Ion:152 Resp: 97654

Ion Ratio Lower Upper

152 100

115 60.4 43.3 129.9

150 157.3 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.245 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038180.D

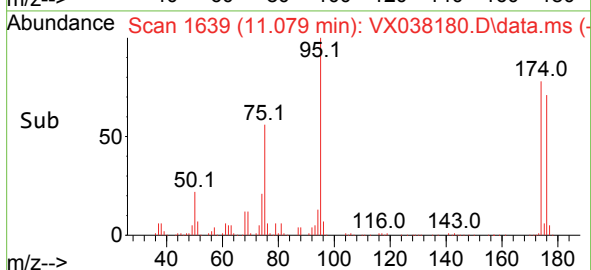
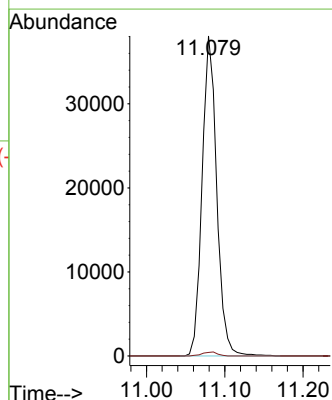
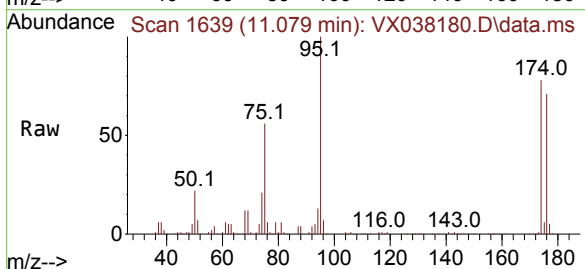
Acq: 09 Oct 2023 18:29

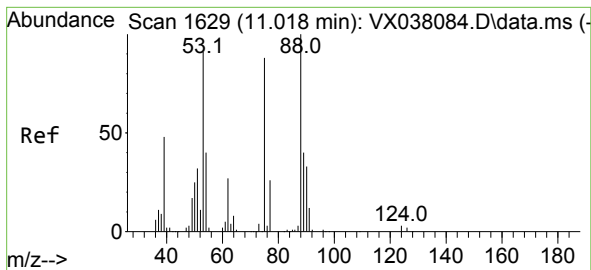
Tgt Ion: 75 Resp: 49384

Ion Ratio Lower Upper

75 100

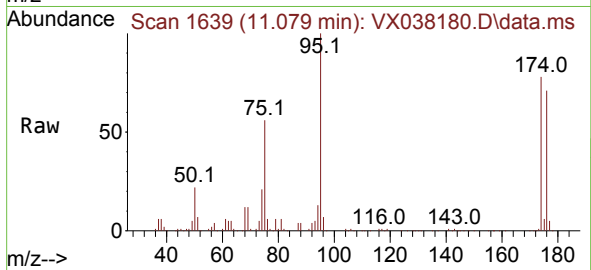
77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.747 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038180.D
 Acq: 09 Oct 2023 18:29

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 49384
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.1 36.9 55.3#

