

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102323\
 Data File : VX038440.D
 Acq On : 23 Oct 2023 18:10
 Operator : JC/MD
 Sample : 05007-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 24 00:06:02 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

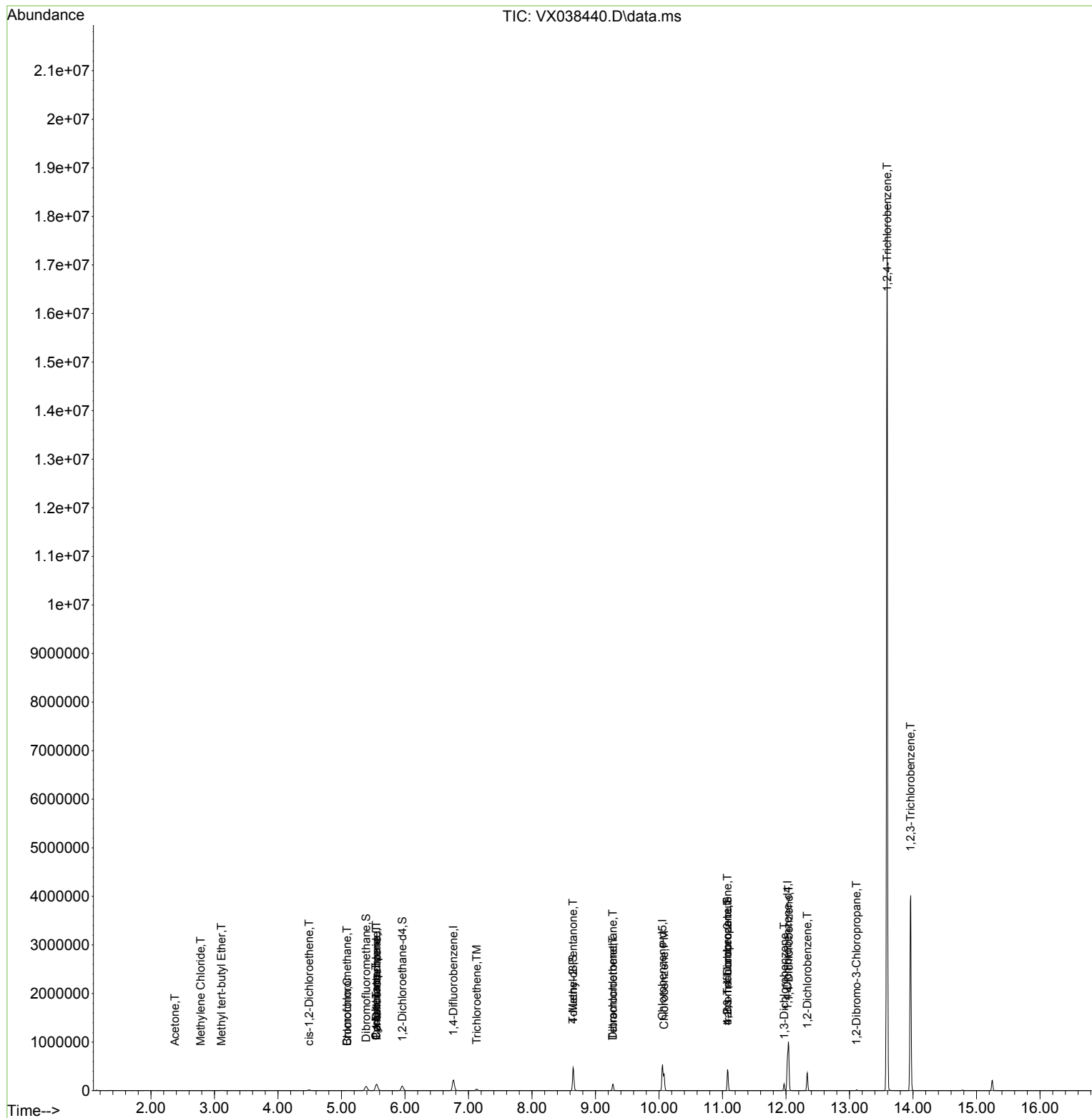
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	127032	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	230396	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90693	44.387	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.780%		
35) Dibromofluoromethane	5.385	113	76253	45.931	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.860%		
50) Toluene-d8	8.647	98	287358	45.297	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.600%#		
62) 4-Bromofluorobenzene	11.079	95	109839	45.671	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.340%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.606	94	19	Below Cal	#	3
6) Chloroethane	1.673	64	81	Below Cal	#	43
11) Tert butyl alcohol	2.965	59	25	Below Cal	#	78
16) Acetone	2.380	43	1973	2.314	ug/l	# 87
19) Methyl tert-butyl Ether	3.111	73	5459	1.179	ug/l	# 90
20) Methylene Chloride	2.782	84	417	0.260	ug/l	# 53
27) cis-1,2-Dichloroethene	4.489	96	10206	5.955	ug/l	80
28) Bromochloromethane	5.087	49	282	0.236	ug/l	# 16
30) Chloroform	5.093	83	4367	1.510	ug/l	100
31) Cyclohexane	5.544	56	2997	1.354	ug/l	# 38
36) 1,1-Dichloropropene	5.550	75	10082	4.404	ug/l	# 50
38) Carbon Tetrachloride	5.550	117	13102	5.818	ug/l	# 16
44) Trichloroethene	7.129	130	12412	7.411	ug/l	92
51) 4-Methyl-2-Pentanone	8.647	43	1298	0.464	ug/l	# 1
60) Dibromochloromethane	9.275	129	23495	13.456	ug/l	# 11
64) Tetrachloroethene	9.275	164	23451	15.389	ug/l	97
65) Chlorobenzene	10.080	112	148604	30.170	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	59343	20.044	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	59343	57.839	ug/l	# 5
87) 1,3-Dichlorobenzene	11.970	146	42664	9.962	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	289190	66.139	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	112170	27.247	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	13.110	75	852	1.100	ug/l	# 9
93) 1,2,4-Trichlorobenzene	13.591	180	3755752	1360.202	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	934199	349.423	ug/l	98

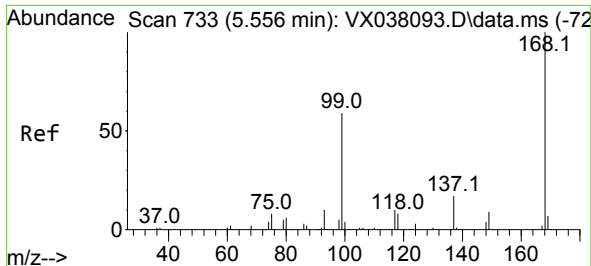
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 71

Delta R.T. 0.000 min

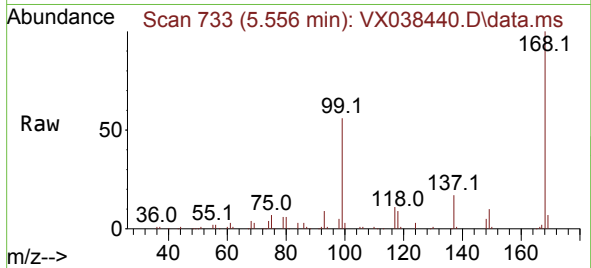
Lab File: VX038440.D

Acq: 23 Oct 2023 18:10

Instrument :

MSVOA_X

ClientSampleId :

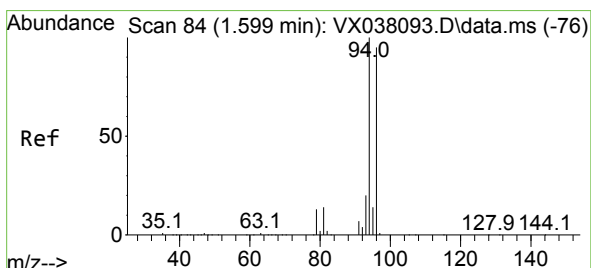
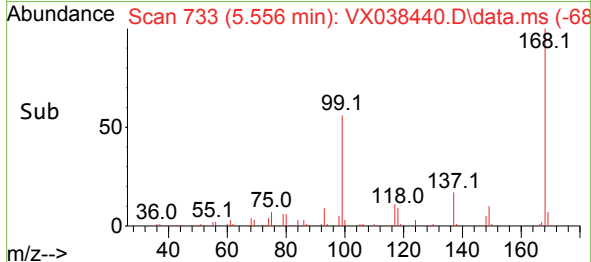
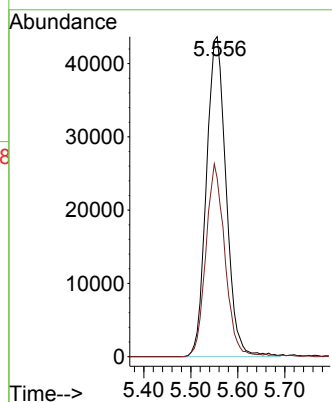


Tgt Ion:168 Resp: 127032

Ion Ratio Lower Upper

168 100

99 55.8 56.6 85.0#



#5

Bromomethane

Concen: Below Cal

RT: 1.606 min Scan# 85

Delta R.T. 0.007 min

Lab File: VX038440.D

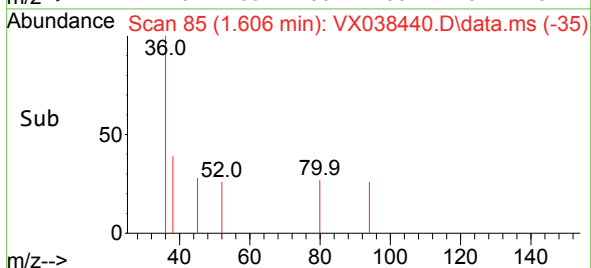
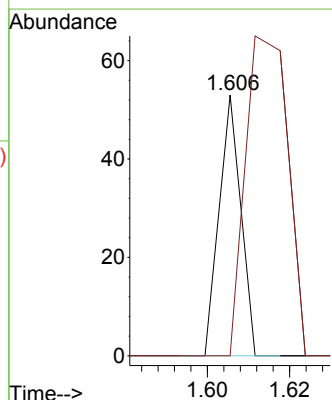
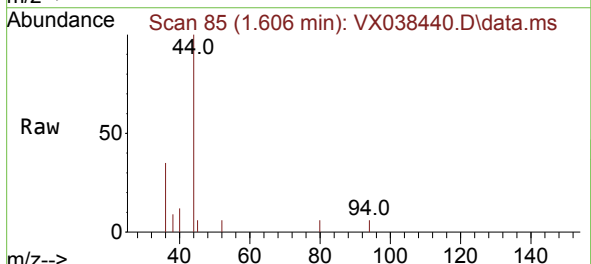
Acq: 23 Oct 2023 18:10

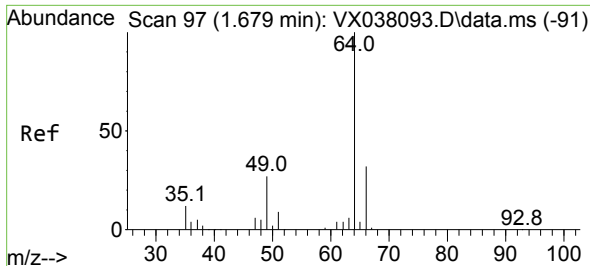
Tgt Ion: 94 Resp: 19

Ion Ratio Lower Upper

94 100

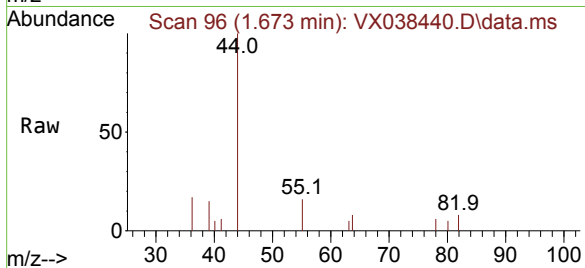
96 0.0 74.6 111.8#



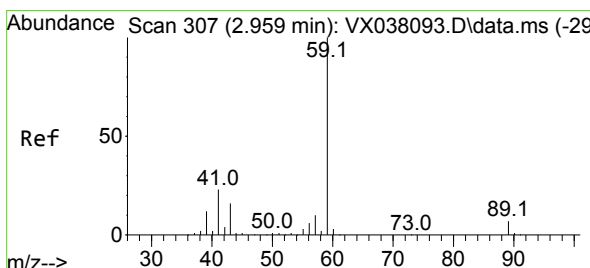
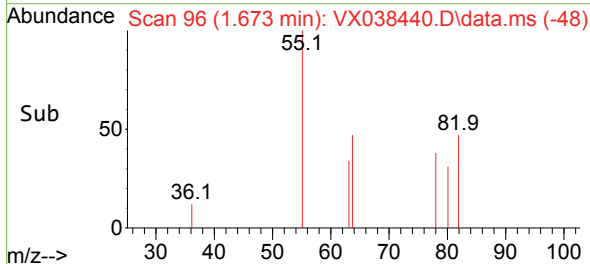
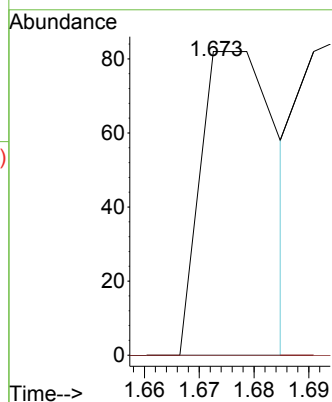


#6
Chloroethane
Concen: Below Cal
RT: 1.673 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

Instrument :
MSVOA_X
ClientSampleId :

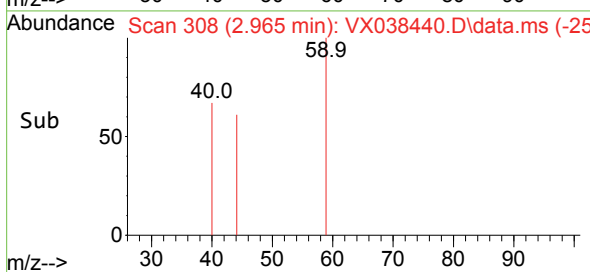
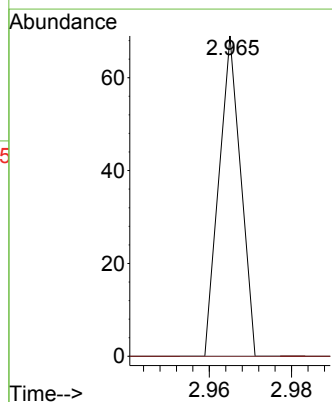
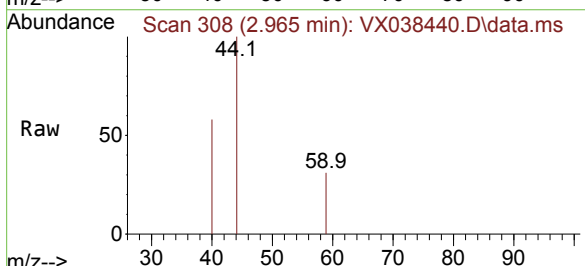


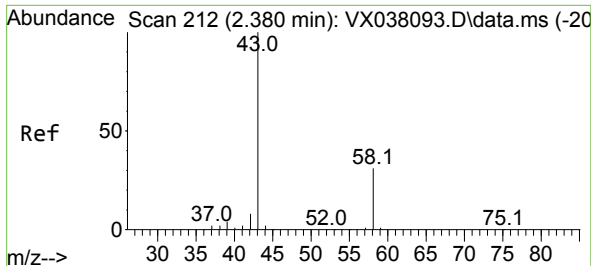
Tgt Ion: 64 Resp: 81
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

Tgt Ion: 59 Resp: 25
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

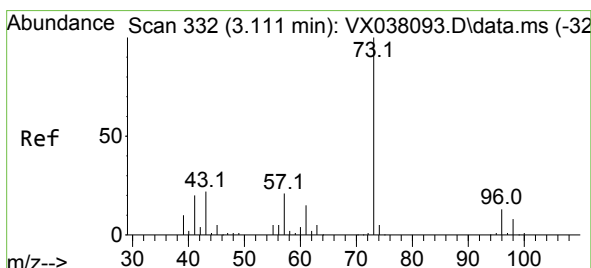
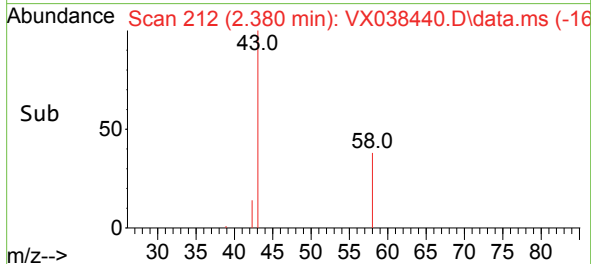
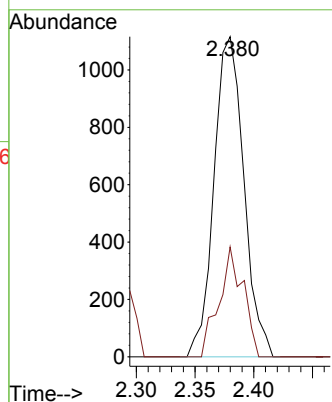
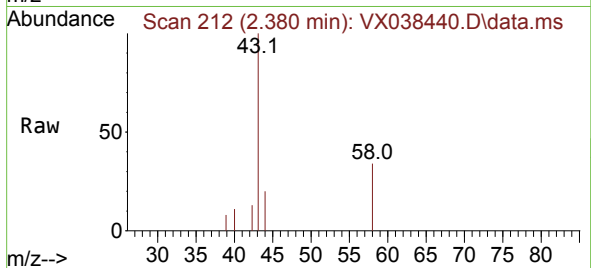




#16
Acetone
Concen: 2.314 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

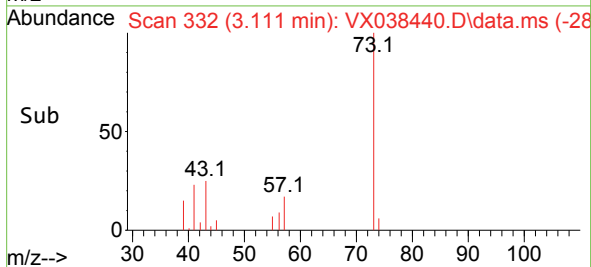
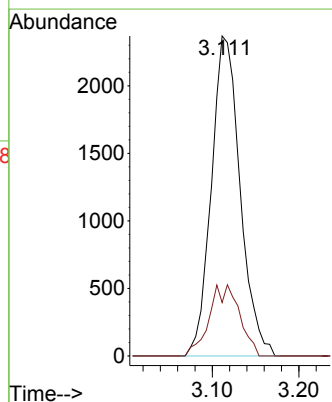
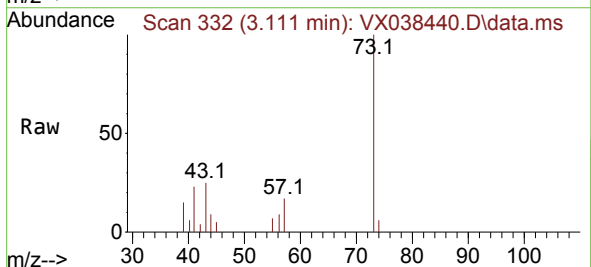
Instrument :
MSVOA_X
ClientSampleId :

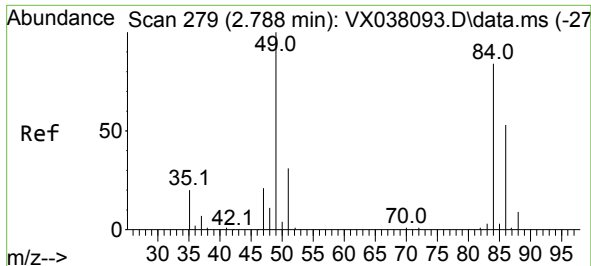
Tgt Ion: 43 Resp: 1973
Ion Ratio Lower Upper
43 100
58 34.3 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 1.179 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

Tgt Ion: 73 Resp: 5459
Ion Ratio Lower Upper
73 100
57 16.7 17.3 25.9#





#20

Methylene Chloride

Concen: 0.260 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

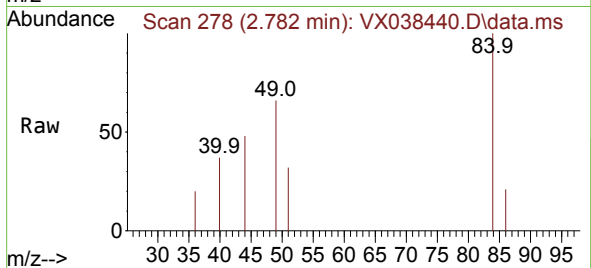
Lab File: VX038440.D

Acq: 23 Oct 2023 18:10

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 417

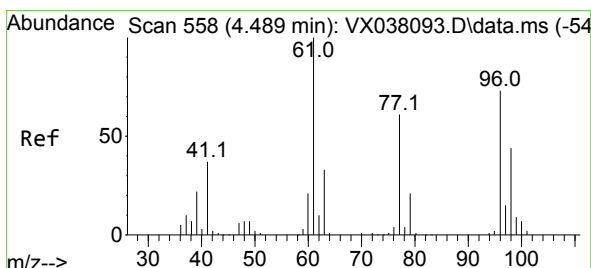
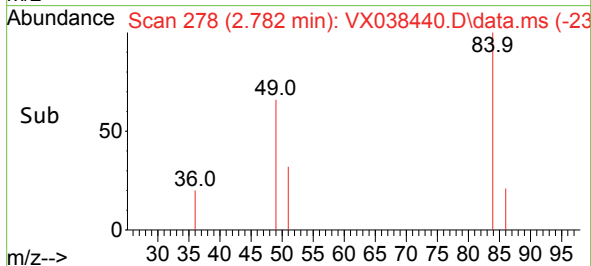
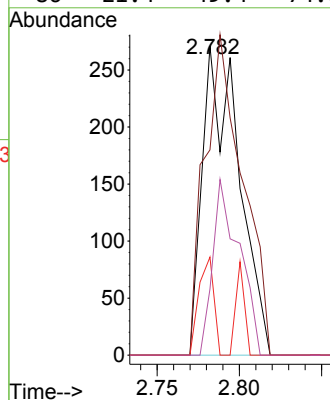
Ion Ratio Lower Upper

84 100

49 66.4 103.6 155.4#

51 31.7 33.8 50.6#

86 21.4 49.4 74.0#



#27

cis-1,2-Dichloroethene

Concen: 5.955 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.000 min

Lab File: VX038440.D

Acq: 23 Oct 2023 18:10

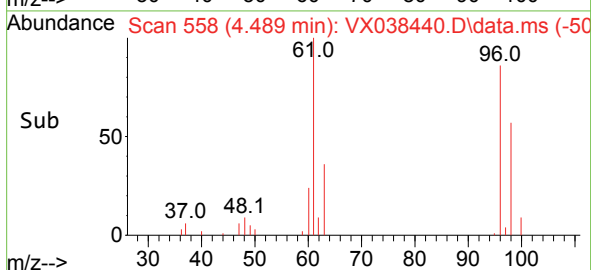
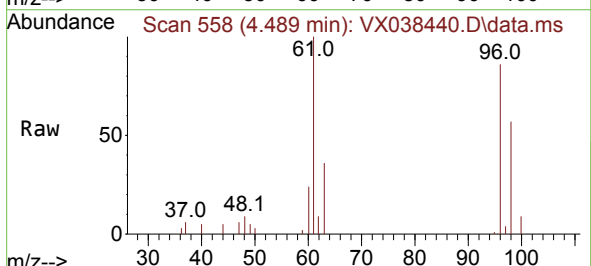
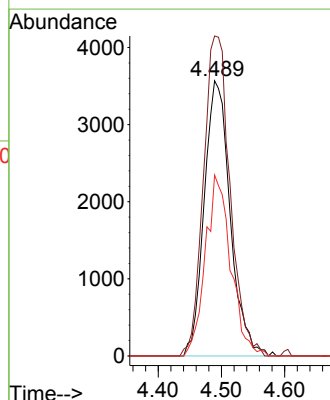
Tgt Ion: 96 Resp: 10206

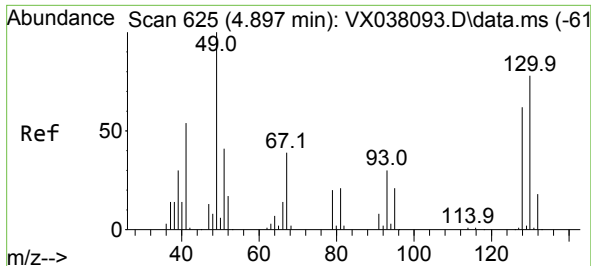
Ion Ratio Lower Upper

96 100

61 119.2 0.0 312.2

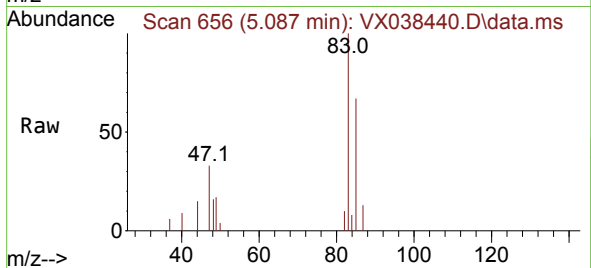
98 64.1 0.0 129.0



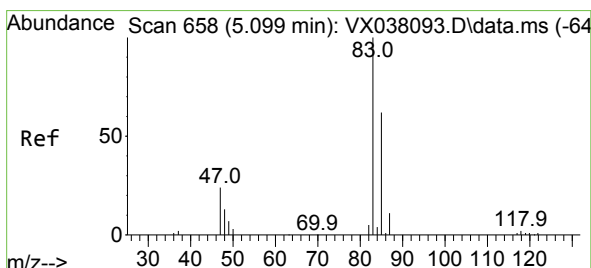
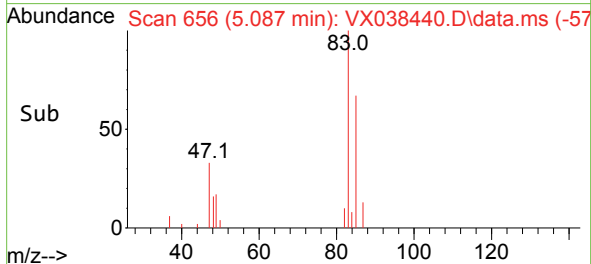
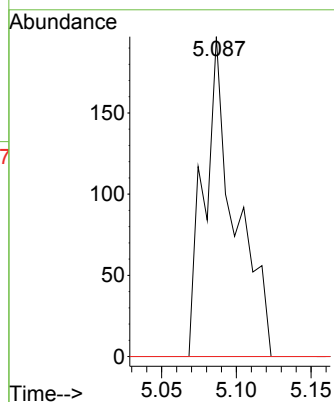


#28
Bromochloromethane
Concen: 0.236 ug/l
RT: 5.087 min Scan# 61
Delta R.T. 0.190 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

Instrument :
MSVOA_X
ClientSampleId :

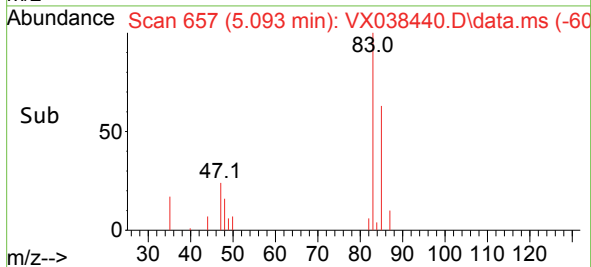
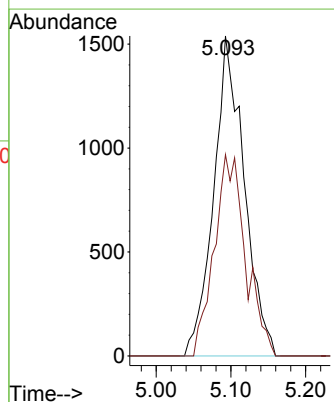
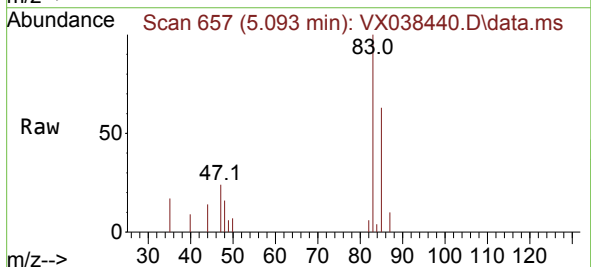


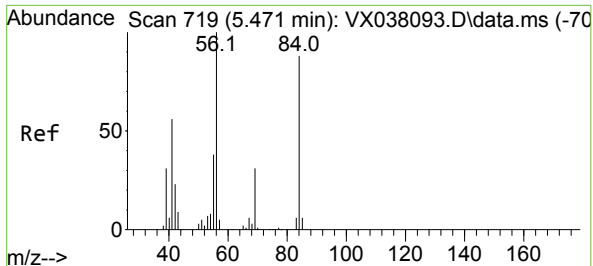
Tgt Ion: 49 Resp: 282
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#



#30
Chloroform
Concen: 1.510 ug/l
RT: 5.093 min Scan# 657
Delta R.T. -0.000 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

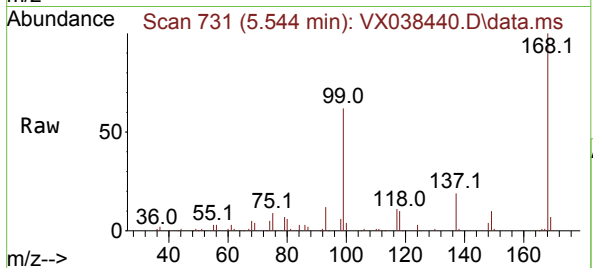
Tgt Ion: 83 Resp: 4367
Ion Ratio Lower Upper
83 100
85 62.9 50.3 75.5



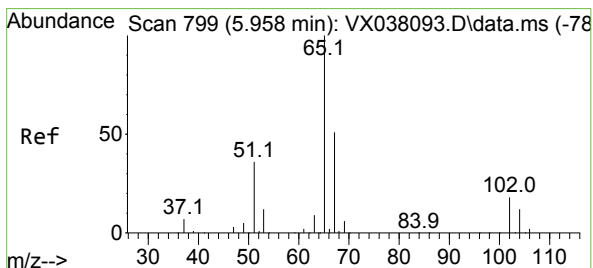
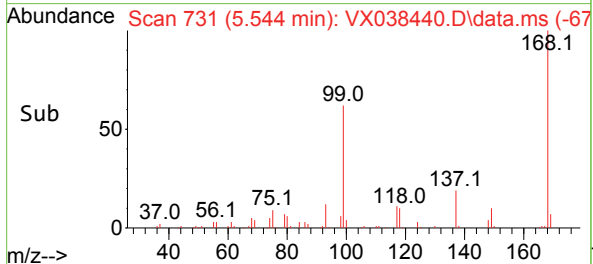
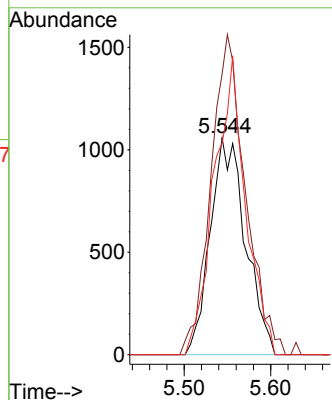


#31
Cyclohexane
Concen: 1.354 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

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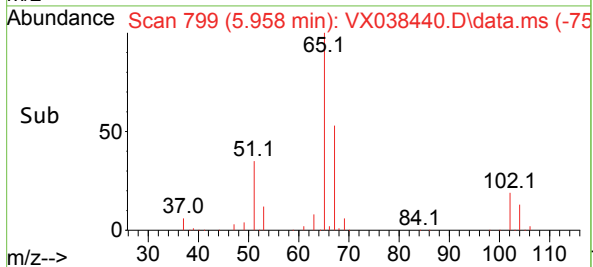
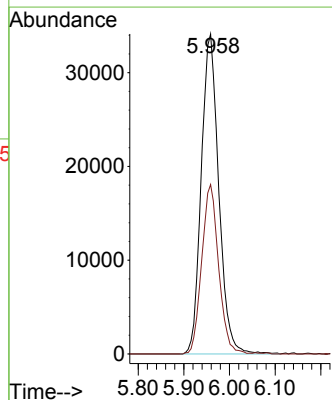
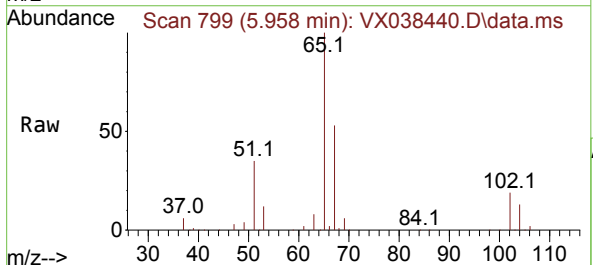


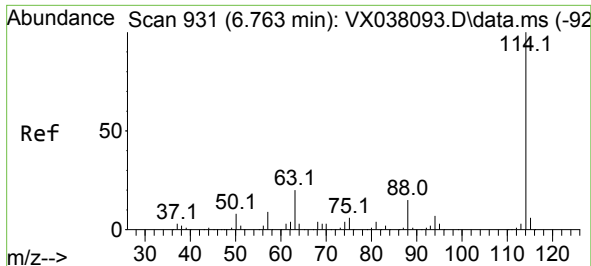
Tgt Ion: 56 Resp: 2997
Ion Ratio Lower Upper
56 100
69 129.6 23.4 35.2#
84 97.6 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 44.387 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

Tgt Ion: 65 Resp: 90693
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.2

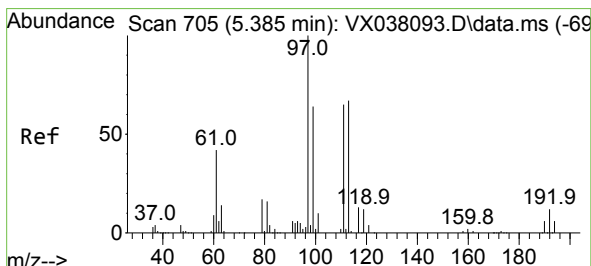
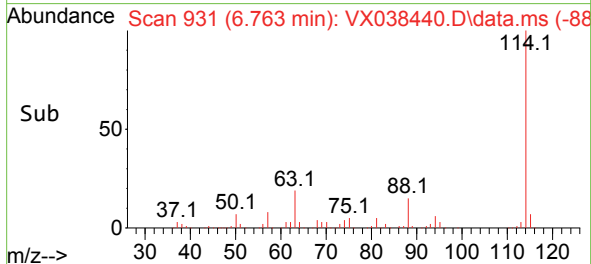
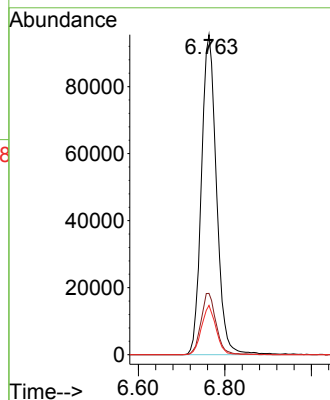
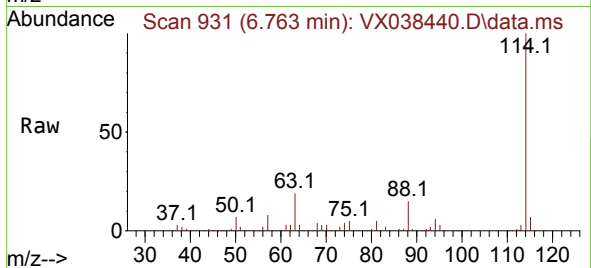




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

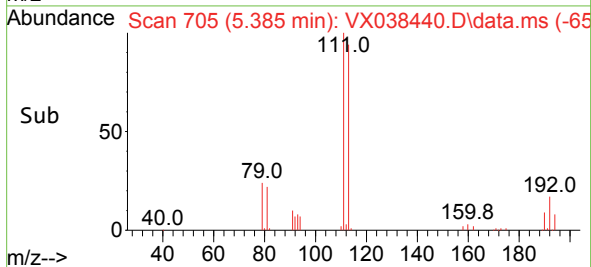
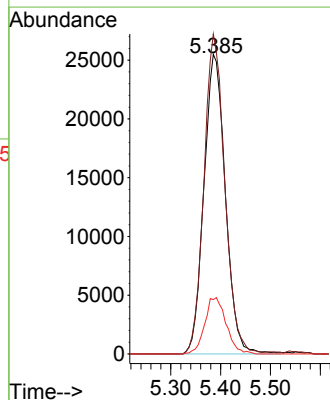
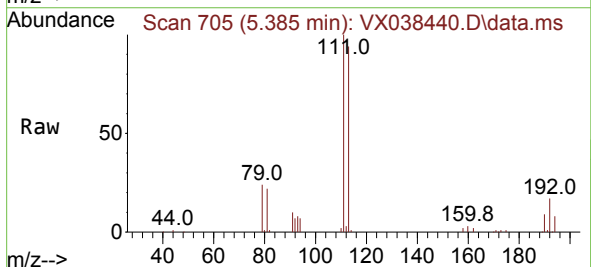
Instrument :
MSVOA_X
ClientSampleId :

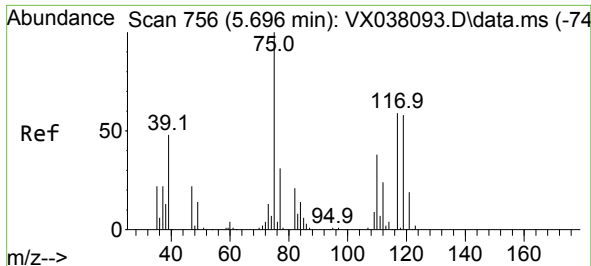
Tgt Ion:114 Resp: 230396
Ion Ratio Lower Upper
114 100
63 19.1 0.0 45.0
88 15.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.931 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

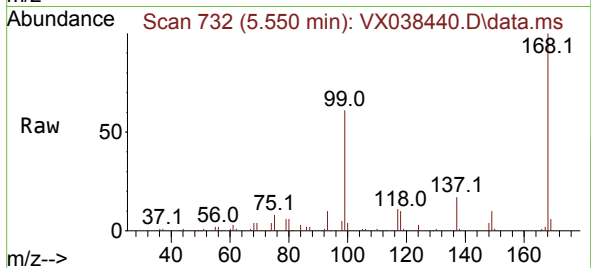
Tgt Ion:113 Resp: 76253
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 18.8 13.3 19.9



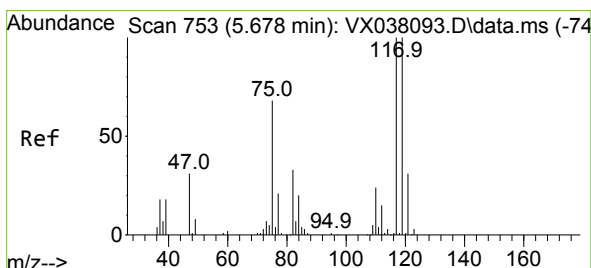
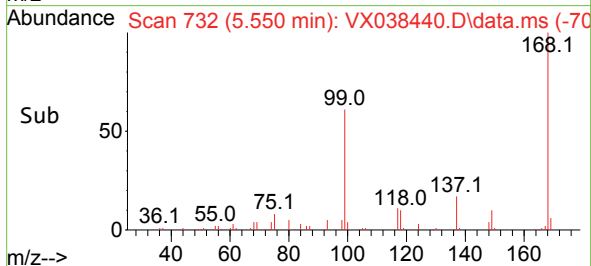
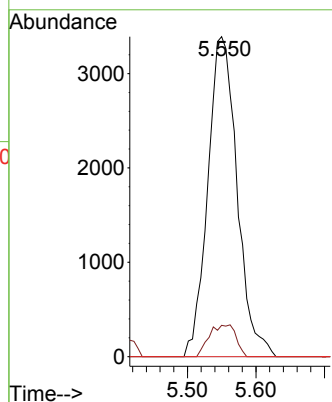


#36
1,1-Dichloropropene
Concen: 4.404 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.140 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

Instrument :
MSVOA_X
ClientSampleId :

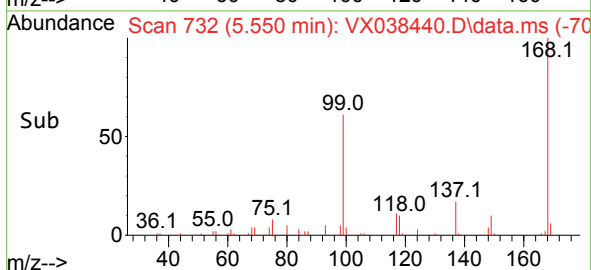
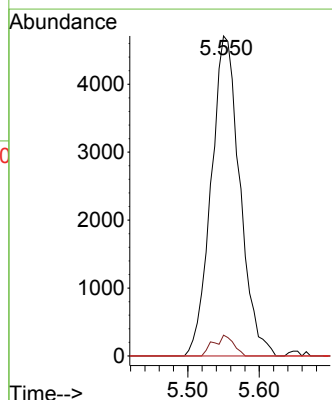
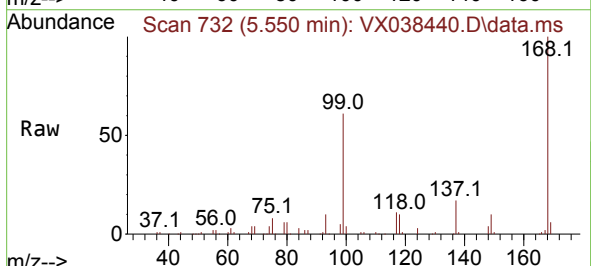


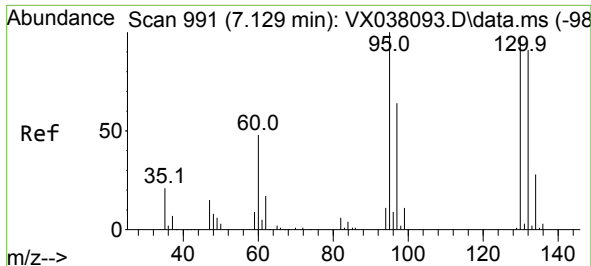
Tgt Ion: 75 Resp: 10082
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.818 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

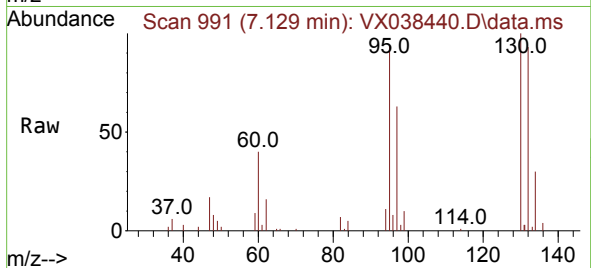
Tgt Ion: 117 Resp: 13102
Ion Ratio Lower Upper
117 100
119 6.5 78.2 117.2#
121 0.0 24.4 36.6#



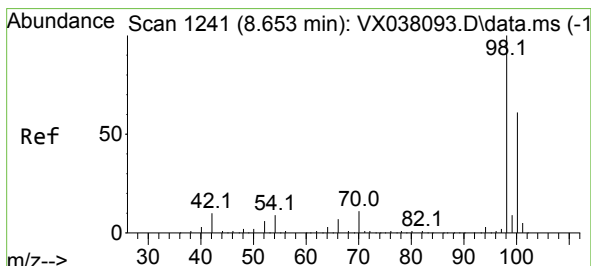
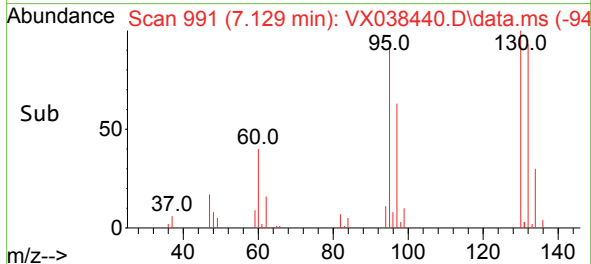
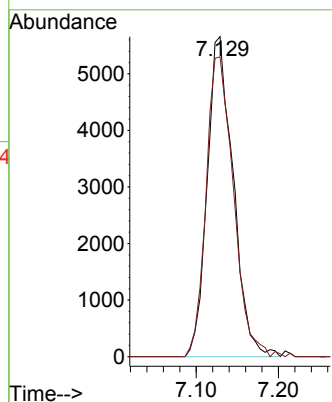


#44
Trichloroethene
Concen: 7.411 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

Instrument :
MSVOA_X
ClientSampleId :

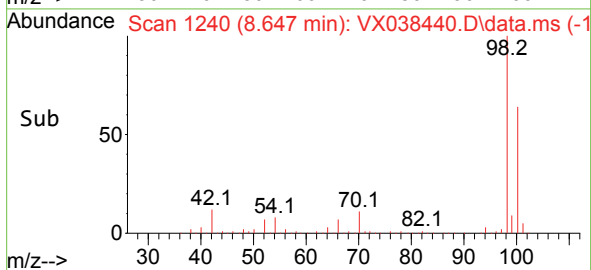
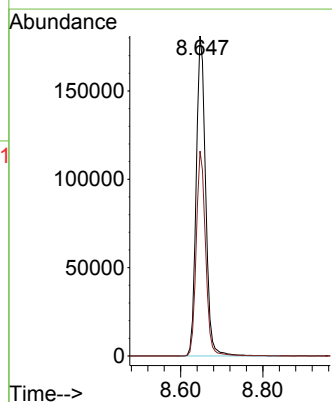
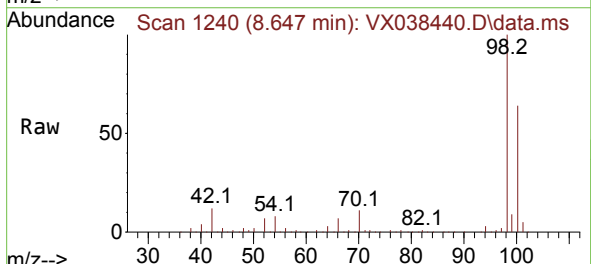


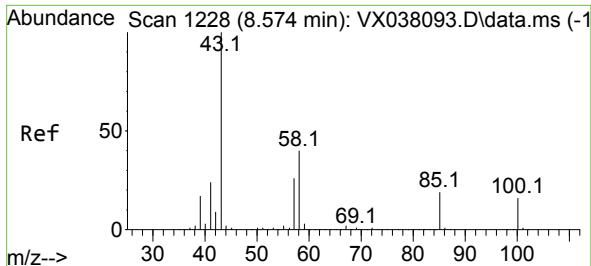
Tgt Ion:130 Resp: 12412
Ion Ratio Lower Upper
130 100
95 93.7 0.0 204.4



#50
Toluene-d8
Concen: 45.297 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

Tgt Ion: 98 Resp: 287358
Ion Ratio Lower Upper
98 100
100 63.4 53.1 79.7

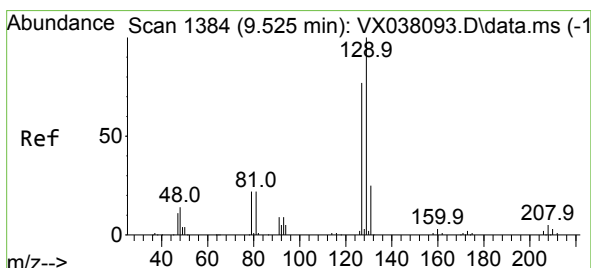
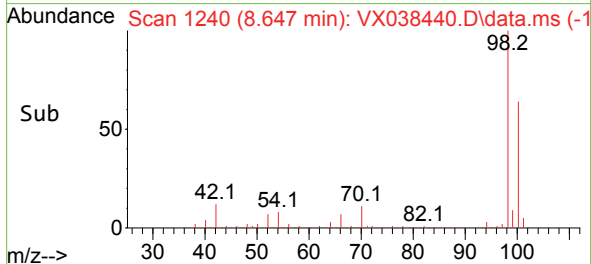
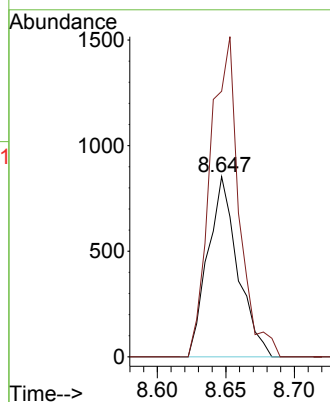
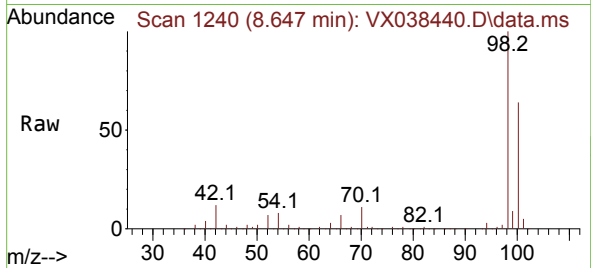




#51
4-Methyl-2-Pentanone
Concen: 0.464 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

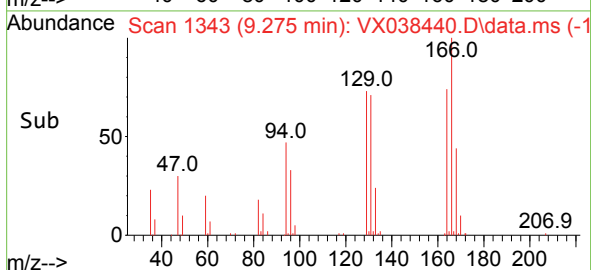
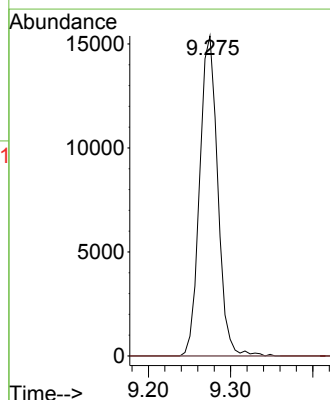
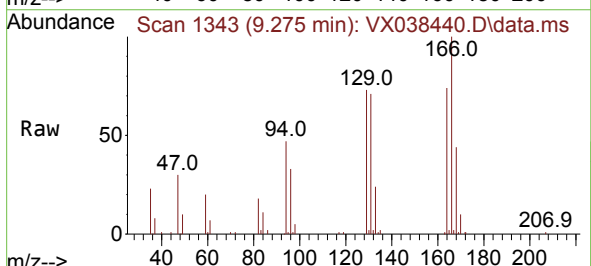
Instrument :
MSVOA_X
ClientSampleId :

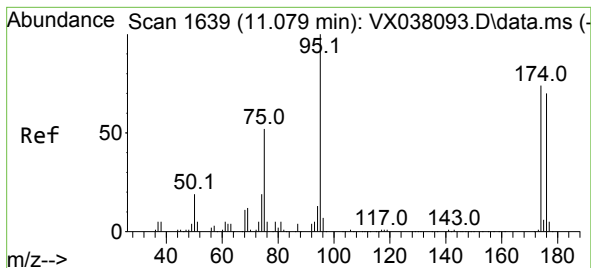
Tgt Ion: 43 Resp: 1298
Ion Ratio Lower Upper
43 100
58 171.1 30.4 45.6#



#60
Dibromochloromethane
Concen: 13.456 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

Tgt Ion: 129 Resp: 23495
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

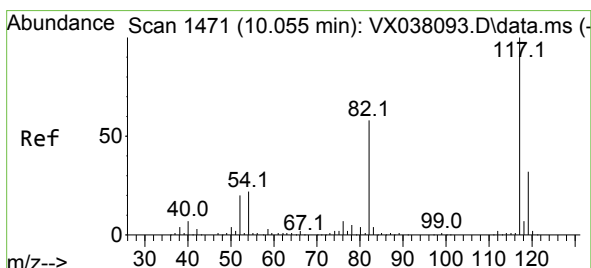
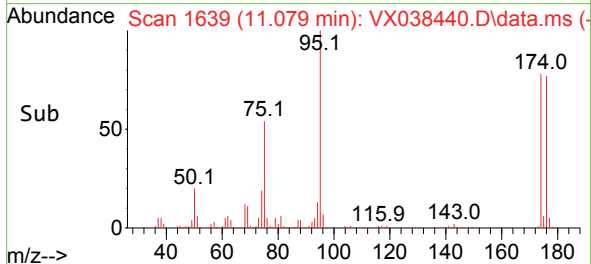
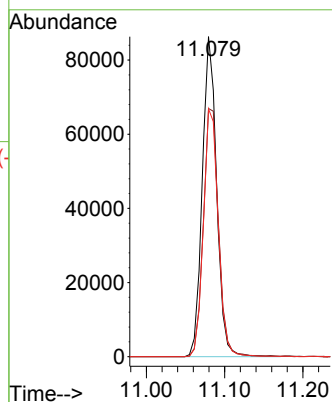
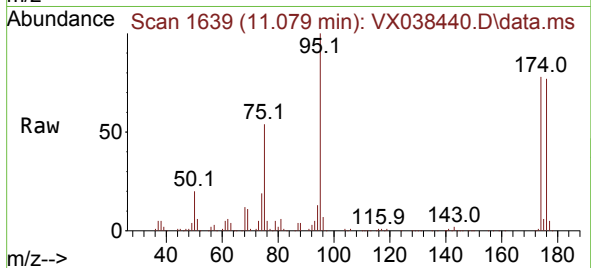




#62
4-Bromofluorobenzene
Concen: 45.671 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

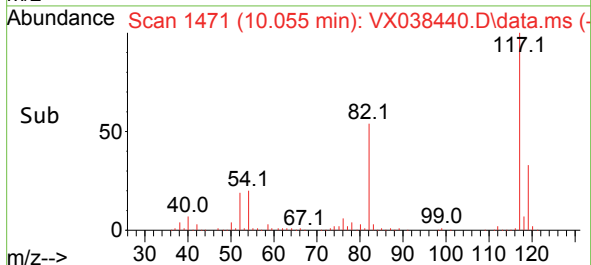
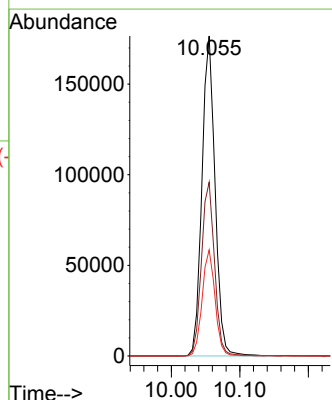
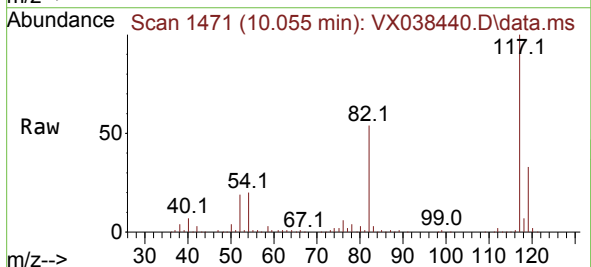
Instrument :
MSVOA_X
ClientSampleId :

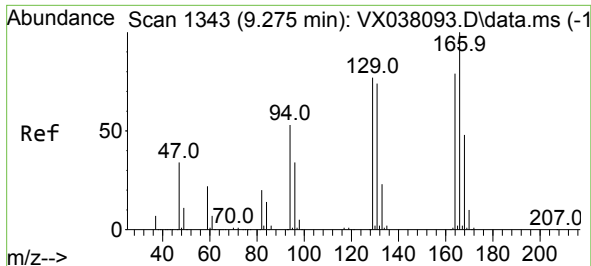
Tgt Ion: 95 Resp: 109839
Ion Ratio Lower Upper
95 100
174 82.1 0.0 135.6
176 80.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

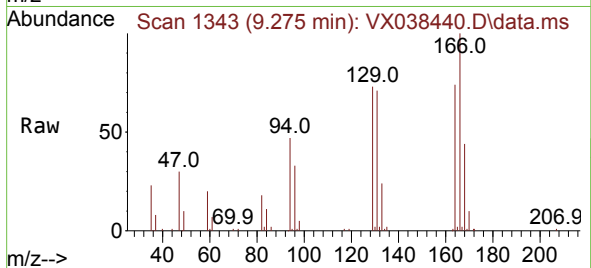
Tgt Ion: 117 Resp: 235389
Ion Ratio Lower Upper
117 100
82 54.3 46.2 69.4
119 33.1 25.5 38.3



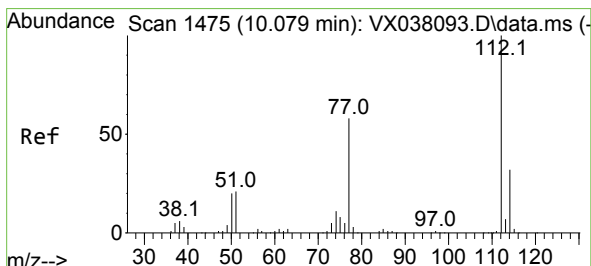
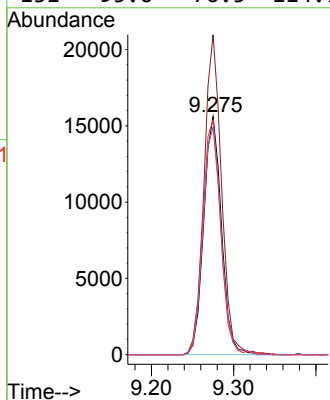
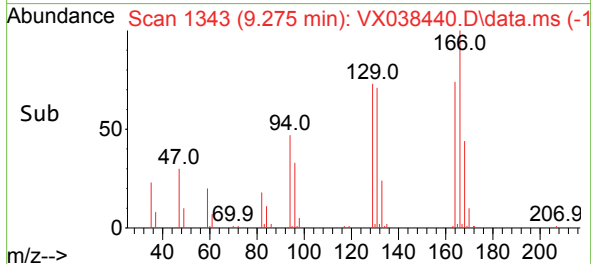


#64
Tetrachloroethene
Concen: 15.389 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

Instrument :
MSVOA_X
ClientSampleId :

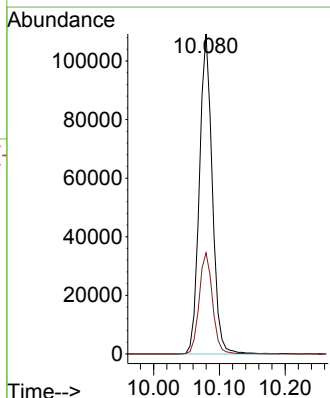
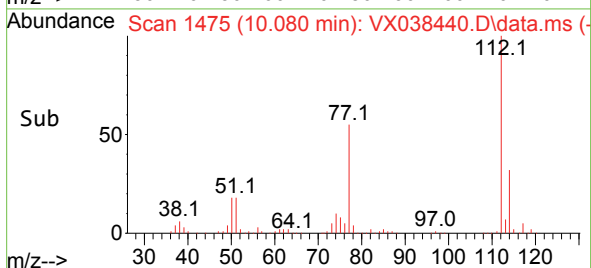
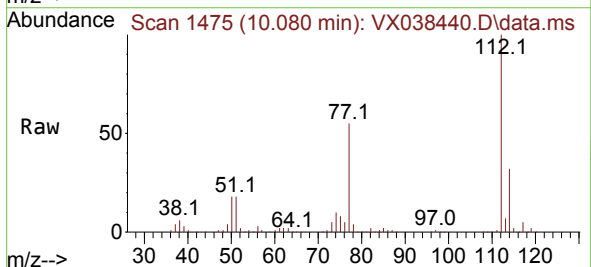


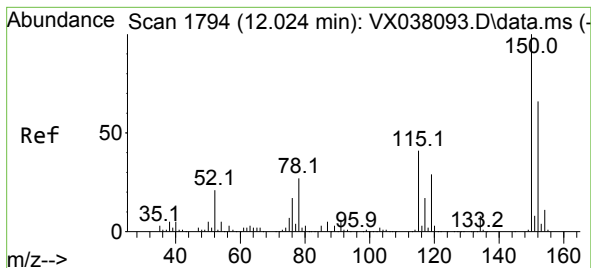
Tgt Ion:164 Resp: 23451
Ion Ratio Lower Upper
164 100
166 134.4 102.7 154.1
129 98.6 80.4 120.6
131 95.6 76.5 114.7



#65
Chlorobenzene
Concen: 30.170 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.001 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

Tgt Ion:112 Resp: 148604
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038440.D

Acq: 23 Oct 2023 18:10

Instrument :

MSVOA_X

ClientSampleId :

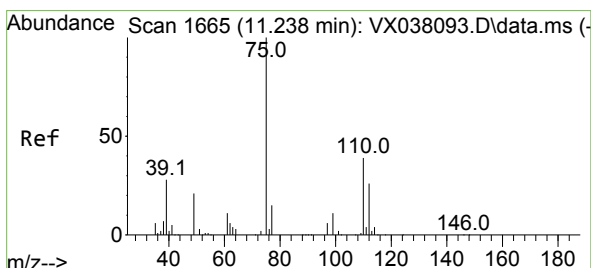
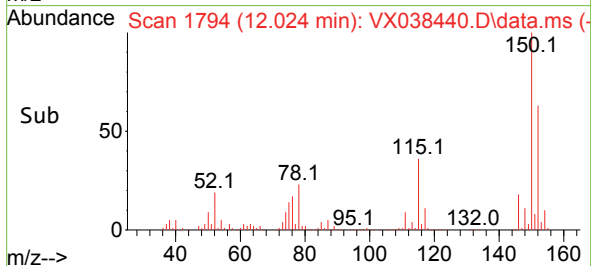
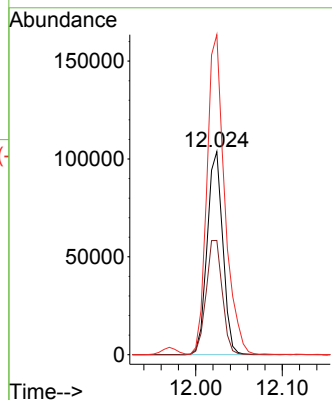
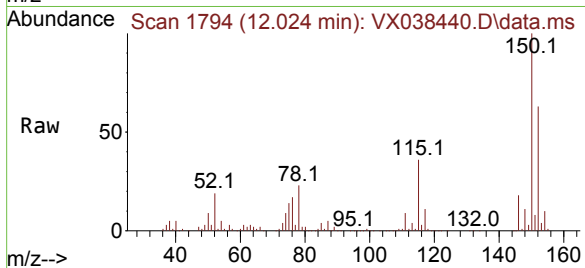
Tgt Ion:152 Resp: 130233

Ion Ratio Lower Upper

152 100

115 58.3 43.3 129.9

150 178.6 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 20.044 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038440.D

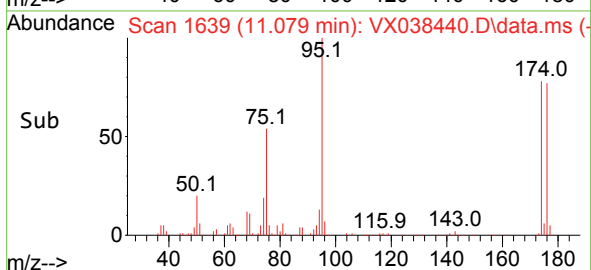
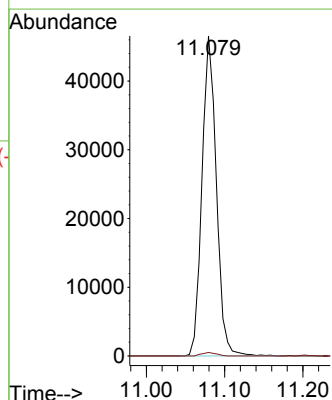
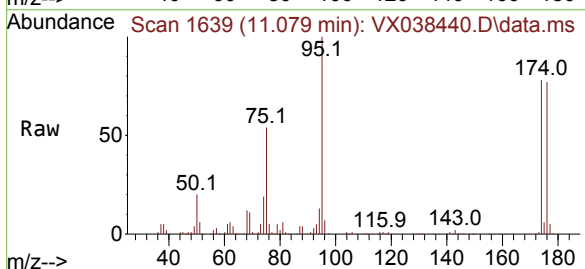
Acq: 23 Oct 2023 18:10

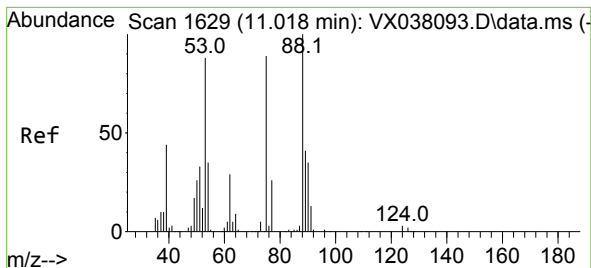
Tgt Ion: 75 Resp: 59343

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

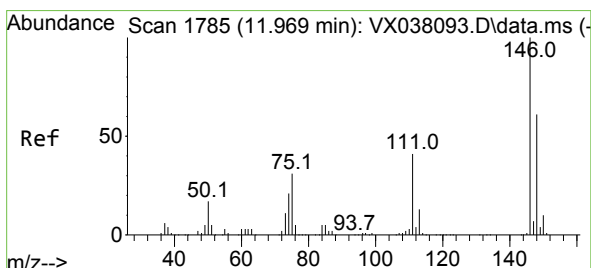
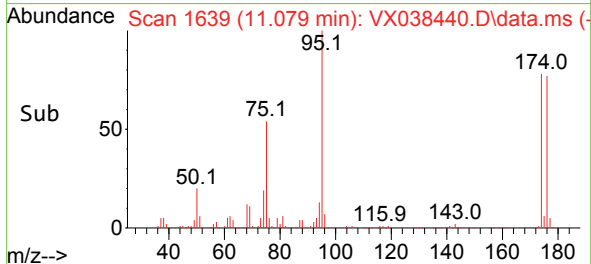
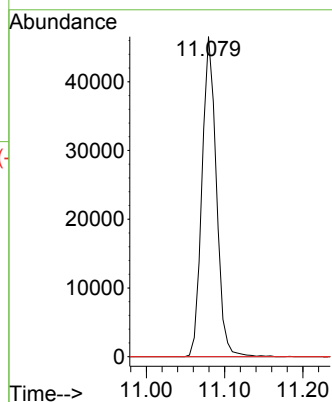
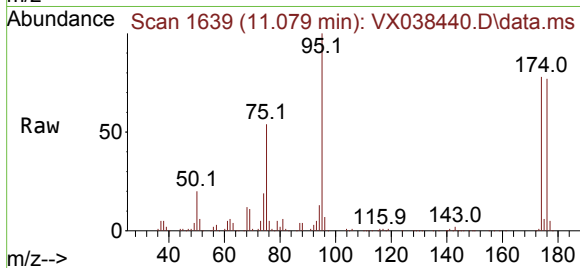




#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.839 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038440.D
 Acq: 23 Oct 2023 18:10

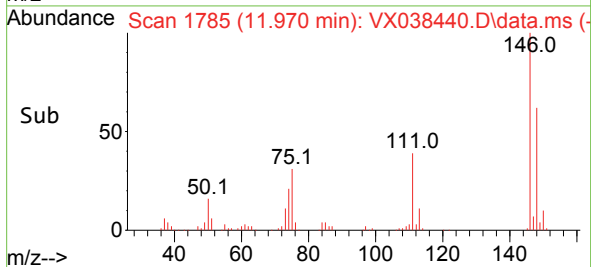
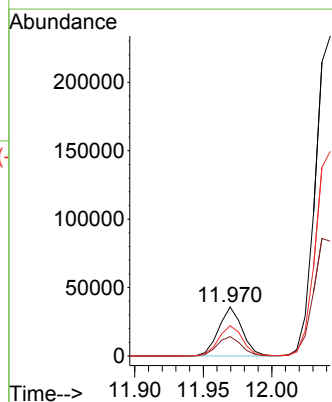
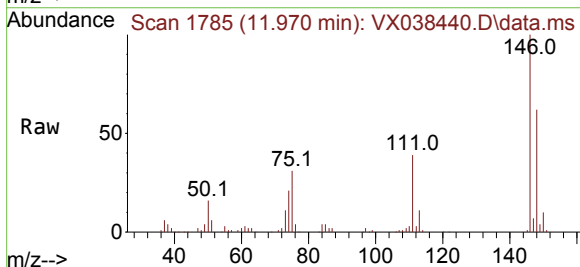
Instrument :
 MSVOA_X
 ClientSampleId :

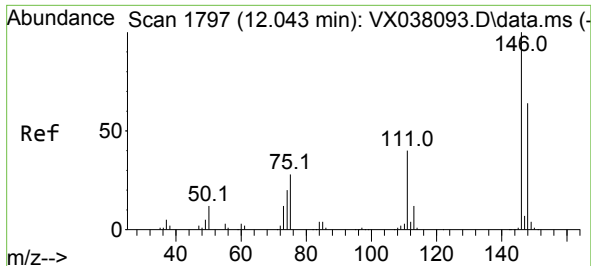
Tgt Ion: 75 Resp: 59343
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#87
 1,3-Dichlorobenzene
 Concen: 9.962 ug/l
 RT: 11.970 min Scan# 1785
 Delta R.T. 0.001 min
 Lab File: VX038440.D
 Acq: 23 Oct 2023 18:10

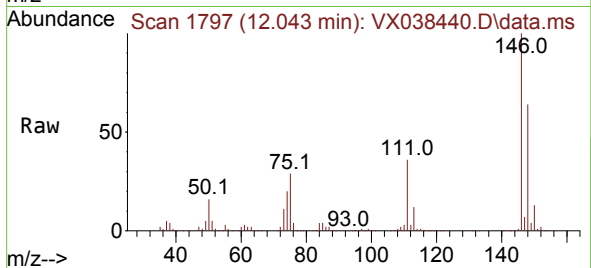
Tgt Ion:146 Resp: 42664
 Ion Ratio Lower Upper
 146 100
 111 40.7 22.1 66.1
 148 63.3 31.8 95.3



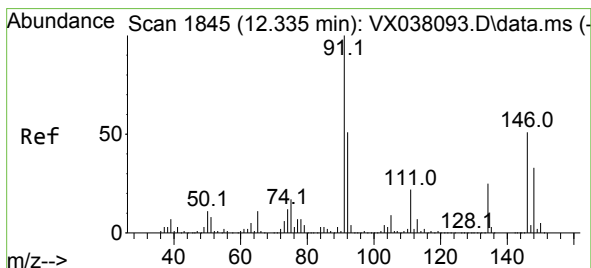
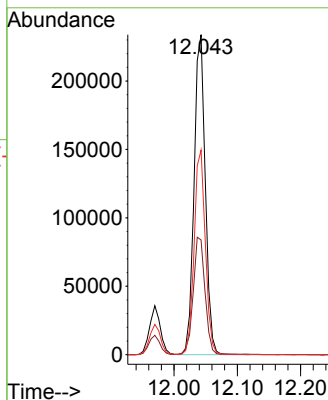
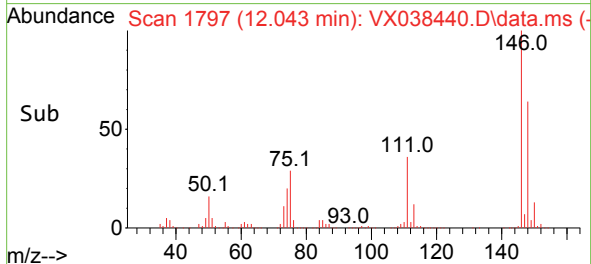


#88
 1,4-Dichlorobenzene
 Concen: 66.139 ug/l
 RT: 12.043 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX038440.D
 Acq: 23 Oct 2023 18:10

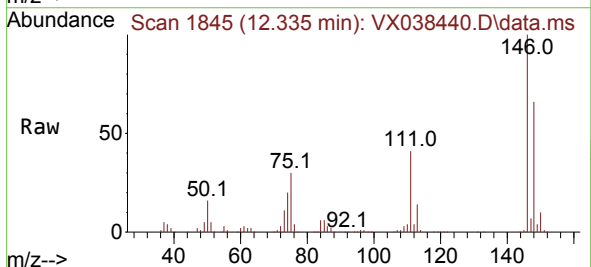
Instrument :
 MSVOA_X
 ClientSampleId :



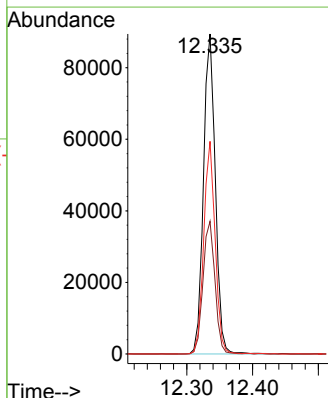
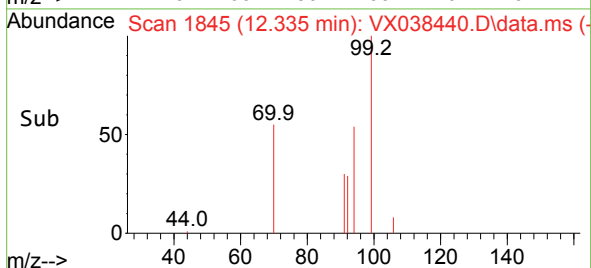
Tgt Ion:146 Resp: 289190
 Ion Ratio Lower Upper
 146 100
 111 38.6 21.3 63.7
 148 63.9 31.8 95.4

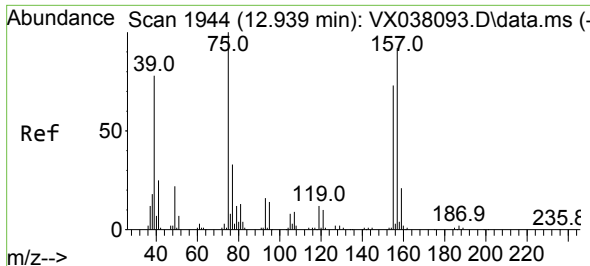


#91
 1,2-Dichlorobenzene
 Concen: 27.247 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: VX038440.D
 Acq: 23 Oct 2023 18:10



Tgt Ion:146 Resp: 112170
 Ion Ratio Lower Upper
 146 100
 111 42.0 22.4 67.0
 148 63.9 31.6 95.0

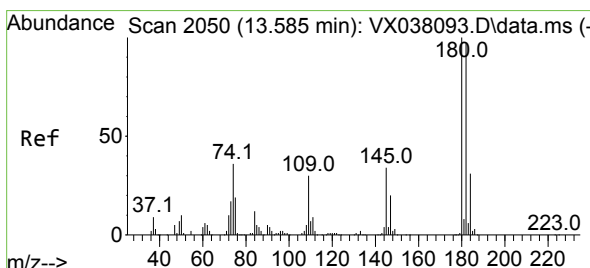
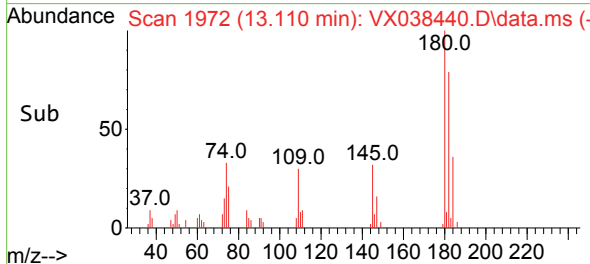
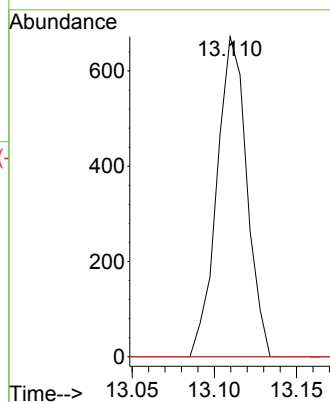
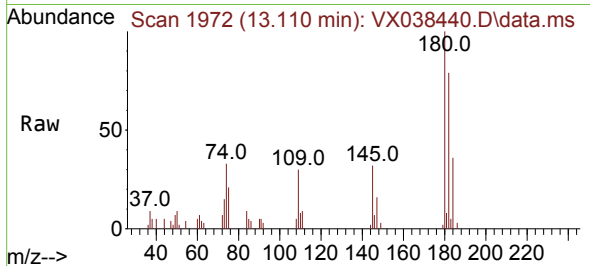




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.100 ug/l
RT: 13.110 min Scan# 1944
Delta R.T. 0.165 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

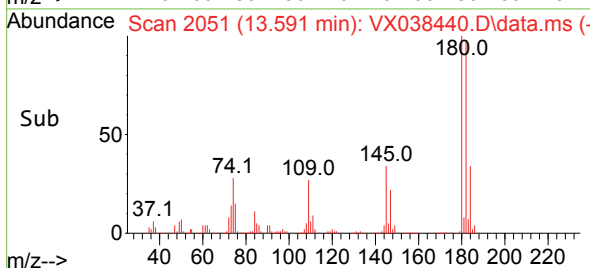
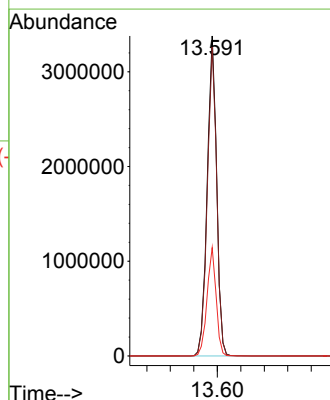
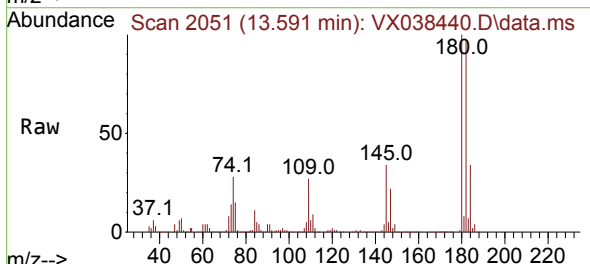
Instrument :
MSVOA_X
ClientSampleId :

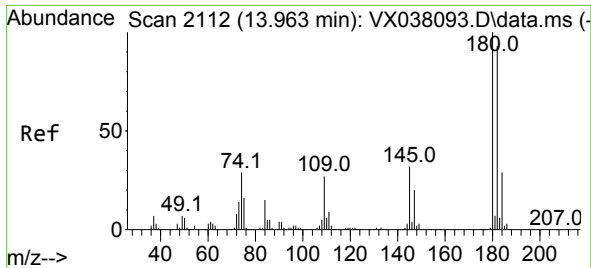
Tgt Ion: 75 Resp: 852
Ion Ratio Lower Upper
75 100
155 0.0 36.1 108.5#
157 0.0 44.9 134.7#



#93
1,2,4-Trichlorobenzene
Concen: 1360.202 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX038440.D
Acq: 23 Oct 2023 18:10

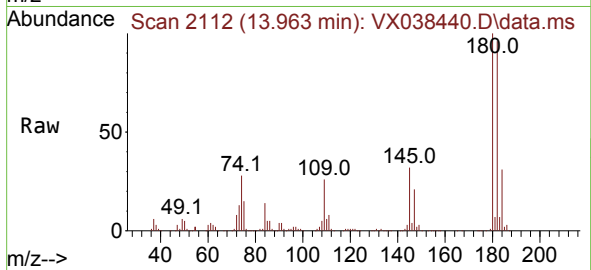
Tgt Ion: 180 Resp: 3755752
Ion Ratio Lower Upper
180 100
182 96.3 48.3 144.8
145 32.8 18.0 54.0





#96
 1,2,3-Trichlorobenzene
 Concen: 349.423 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX038440.D
 Acq: 23 Oct 2023 18:10

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	934199
Ion Ratio	Lower	Upper	
180	100		
182	95.3	46.9	140.6
145	33.2	17.8	53.5

