

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102323\
 Data File : VX038435.D
 Acq On : 23 Oct 2023 16:14
 Operator : JC/MD
 Sample : 05007-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 24 00:04:02 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)

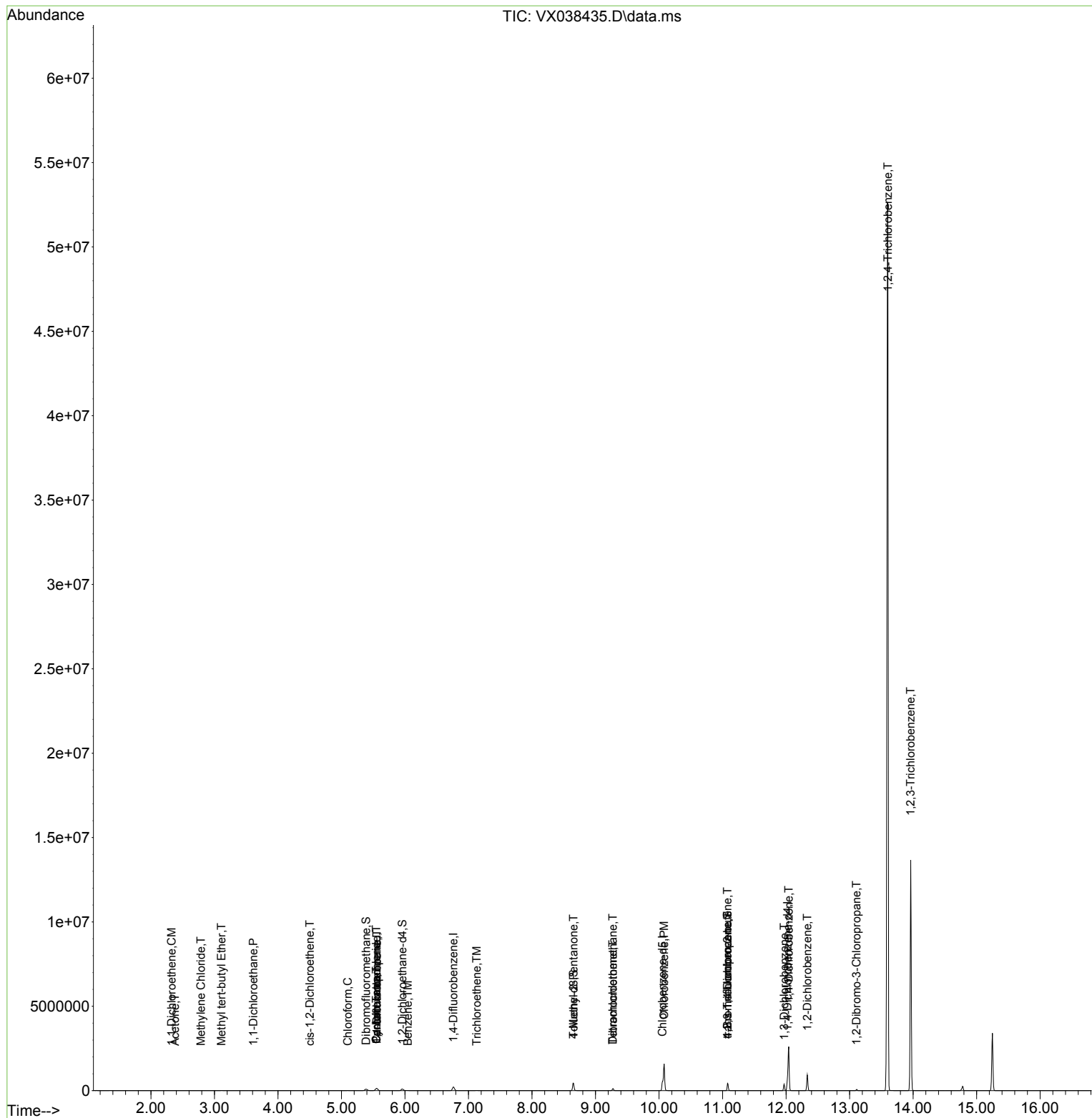
Internal Standards						
1) Pentafluorobenzene	5.556	168	127399	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	225957	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	91137	44.476	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.960%		
35) Dibromofluoromethane	5.385	113	75293	46.244	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.480%		
50) Toluene-d8	8.653	98	283997	45.647	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.300%#		
62) 4-Bromofluorobenzene	11.079	95	110817	46.983	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.960%		
Target Compounds						
						Qvalue
5) Bromomethane	1.624	94	105	Below Cal	#	3
6) Chloroethane	1.721	64	47	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	25	Below Cal	#	78
12) 1,1-Dichloroethene	2.325	96	262	0.225	ug/l #	46
16) Acetone	2.380	43	1894	2.215	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	7611	1.640	ug/l	94
20) Methylene Chloride	2.788	84	587	0.365	ug/l	89
24) 1,1-Dichloroethane	3.611	63	542	0.204	ug/l #	83
27) cis-1,2-Dichloroethene	4.501	96	900	0.524	ug/l	75
30) Chloroform	5.099	83	5409	1.865	ug/l	90
31) Cyclohexane	5.550	56	3032	1.366	ug/l #	26
36) 1,1-Dichloropropene	5.556	75	9970	4.441	ug/l #	52
38) Carbon Tetrachloride	5.550	117	13066	5.916	ug/l #	15
40) Benzene	6.044	78	6005	0.956	ug/l #	87
44) Trichloroethene	7.129	130	4457	2.714	ug/l	92
51) 4-Methyl-2-Pentanone	8.653	43	1219	0.444	ug/l #	1
60) Dibromochloromethane	9.275	129	22121	12.918	ug/l #	11
64) Tetrachloroethene	9.275	164	22703	14.878	ug/l	96
65) Chlorobenzene	10.080	112	663846	134.584	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	59685	19.795	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	59685	57.170	ug/l #	5
87) 1,3-Dichlorobenzene	11.969	146	114371	26.222	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	774039	173.826	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	286680	68.378	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	13.109	75	2973	3.767	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.603	180	12038309	4281.027	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	2835042	1041.232	ug/l	98

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

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 24 00:04:02 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

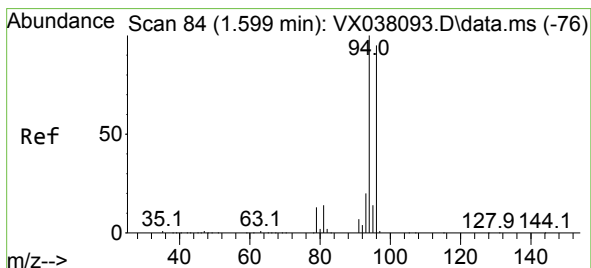
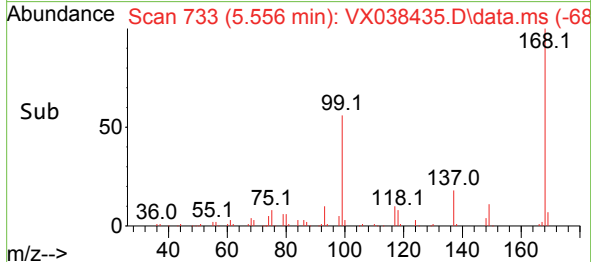
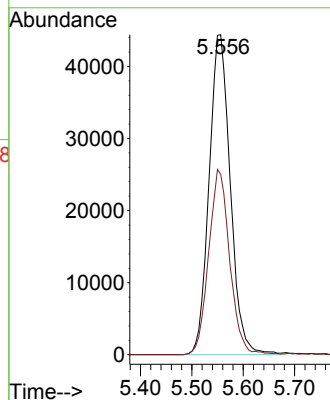
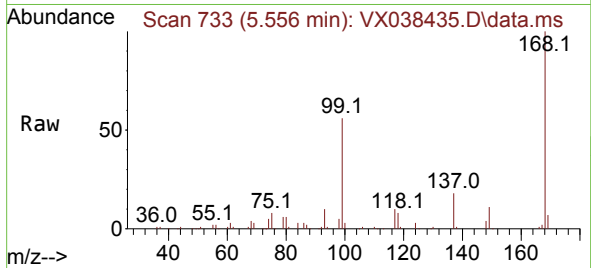




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

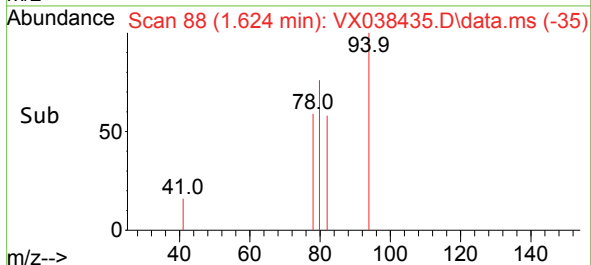
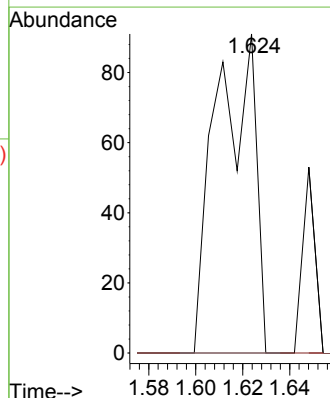
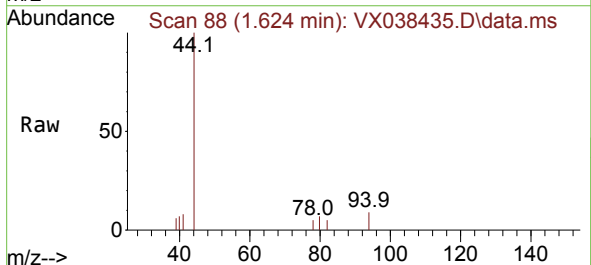
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 127399
Ion Ratio Lower Upper
168 100
99 56.4 56.6 85.0#



#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

Tgt Ion: 94 Resp: 105
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

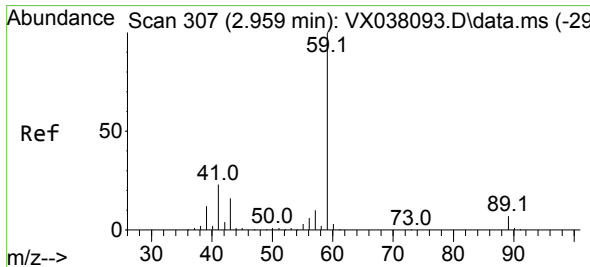
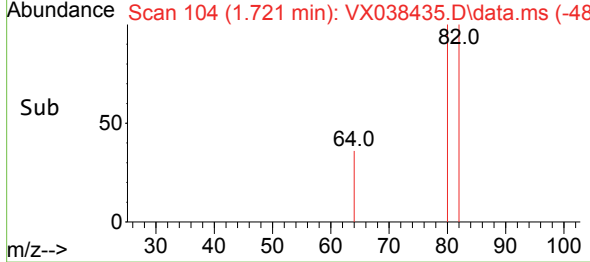
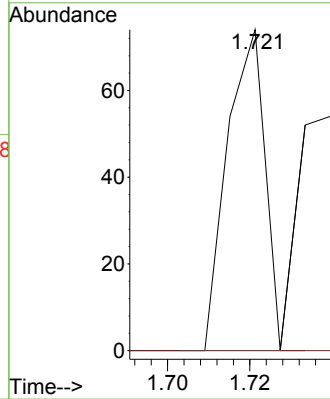
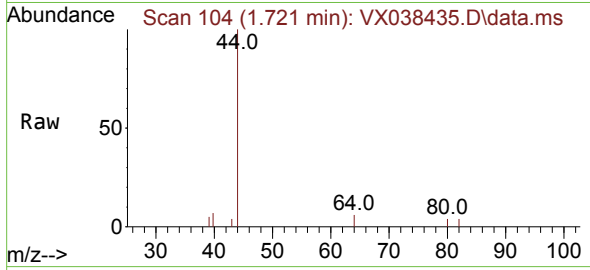




#6
Chloroethane
Concen: Below Cal
RT: 1.721 min Scan# 104
Delta R.T. 0.042 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

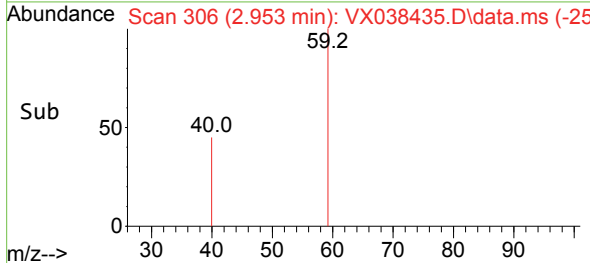
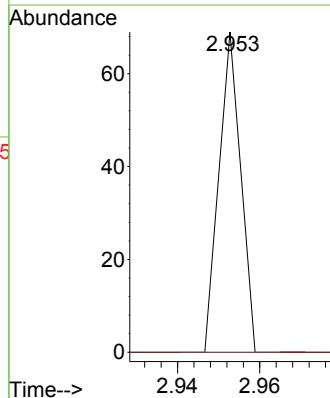
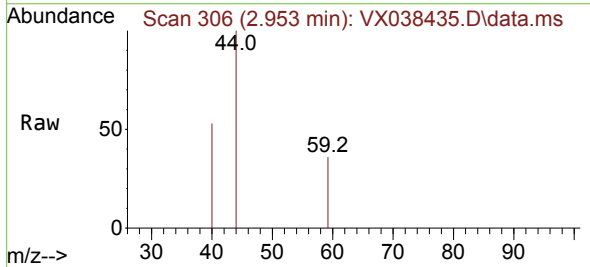
Instrument :
MSVOA_X
ClientSampleId :

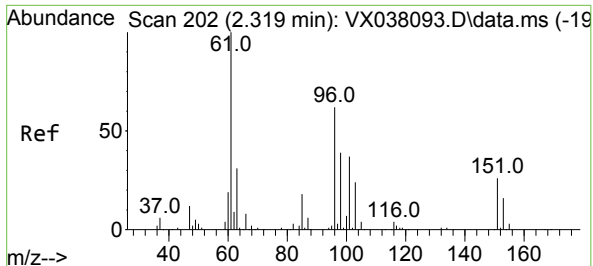
Tgt Ion: 64 Resp: 47
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

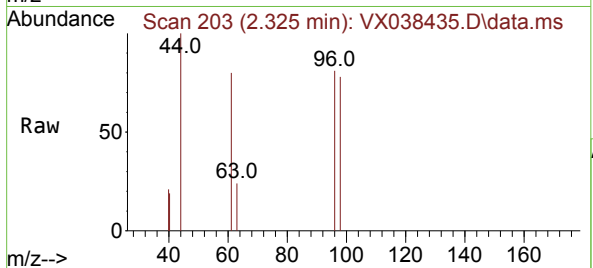
Tgt Ion: 59 Resp: 25
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



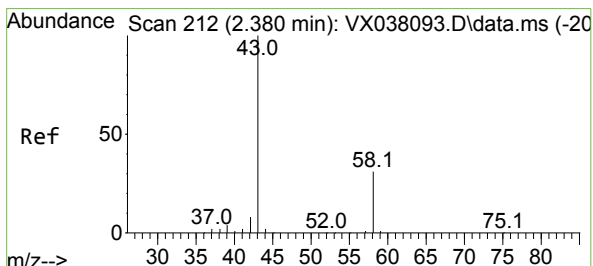
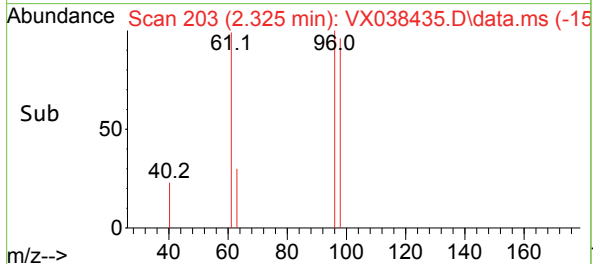
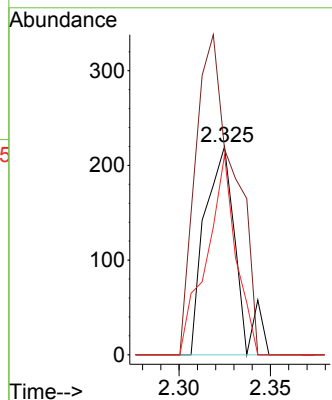


#12
1,1-Dichloroethene
Concen: 0.225 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

Instrument :
MSVOA_X
ClientSampleId :

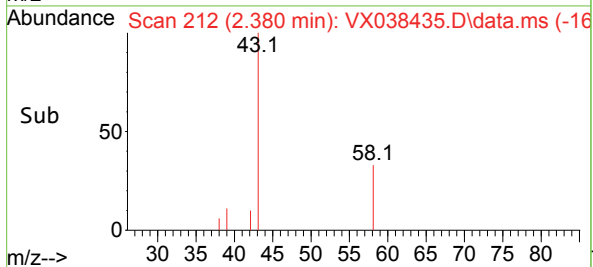
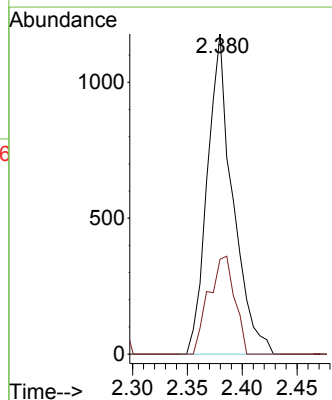
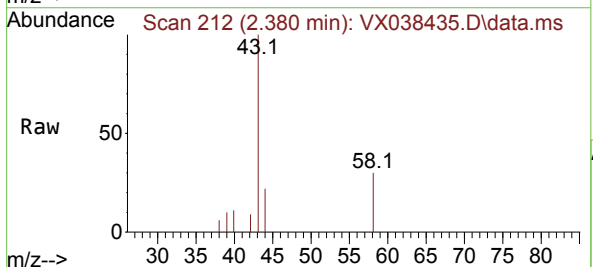


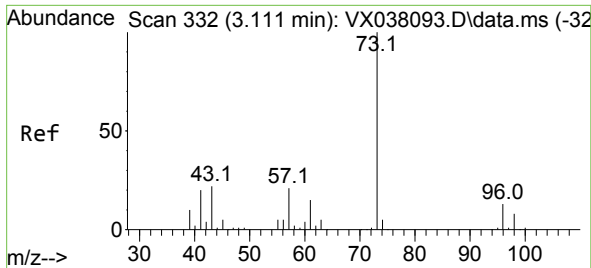
Tgt Ion: 96 Resp: 262
Ion Ratio Lower Upper
96 100
61 98.6 144.6 216.8#
98 95.9 50.4 75.6#



#16
Acetone
Concen: 2.215 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

Tgt Ion: 43 Resp: 1894
Ion Ratio Lower Upper
43 100
58 29.6 21.9 32.9

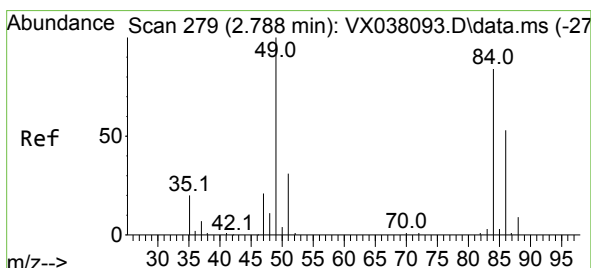
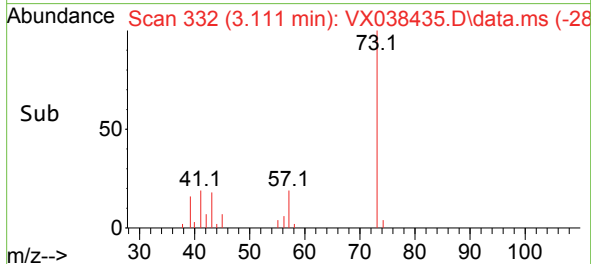
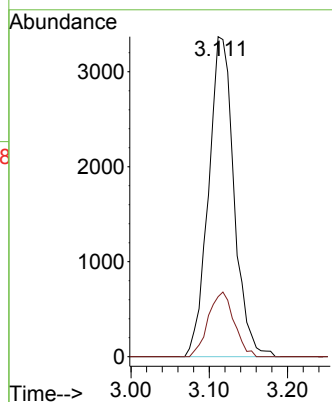
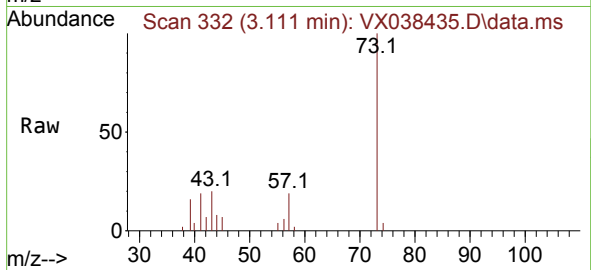




#19
Methyl tert-butyl Ether
Concen: 1.640 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

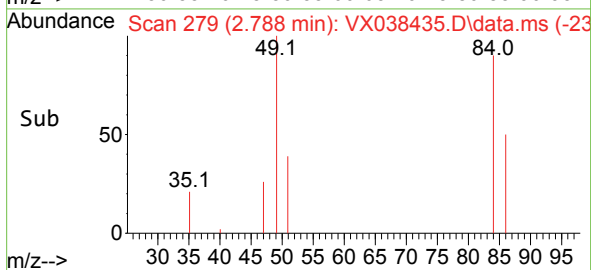
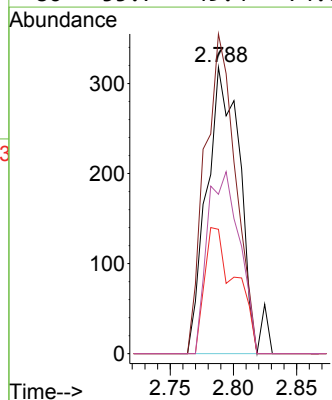
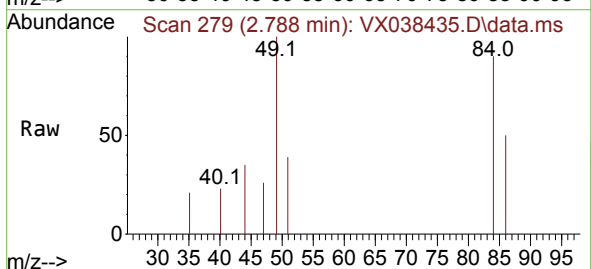
Instrument :
MSVOA_X
ClientSampleId :

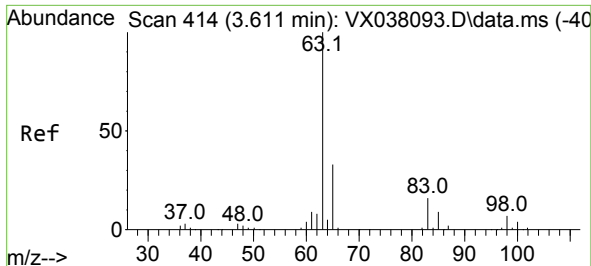
Tgt Ion: 73 Resp: 7611
Ion Ratio Lower Upper
73 100
57 18.7 17.3 25.9



#20
Methylene Chloride
Concen: 0.365 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

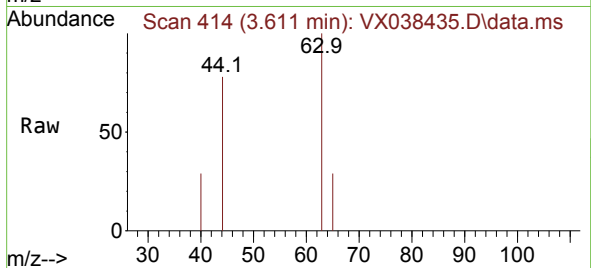
Tgt Ion: 84 Resp: 587
Ion Ratio Lower Upper
84 100
49 111.6 103.6 155.4
51 43.4 33.8 50.6
86 55.7 49.4 74.0



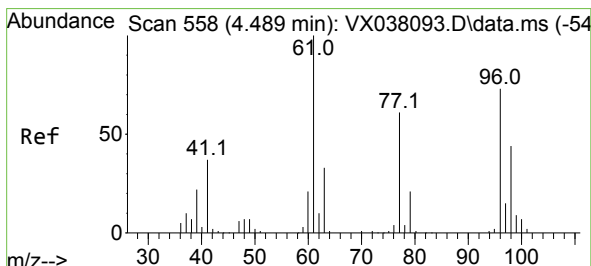
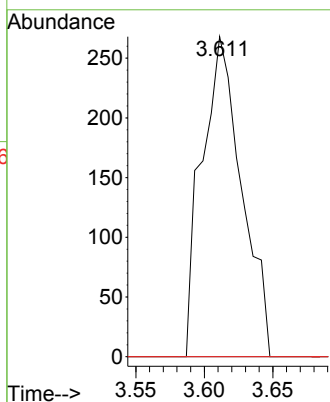
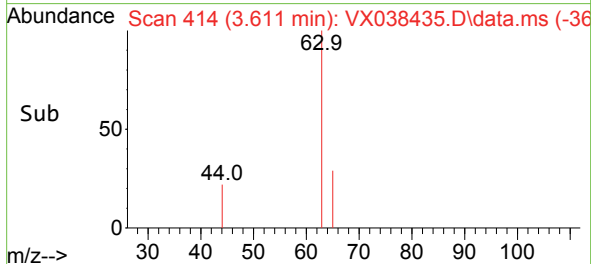


#24
 1,1-Dichloroethane
 Concen: 0.204 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.000 min
 Lab File: VX038435.D
 Acq: 23 Oct 2023 16:14

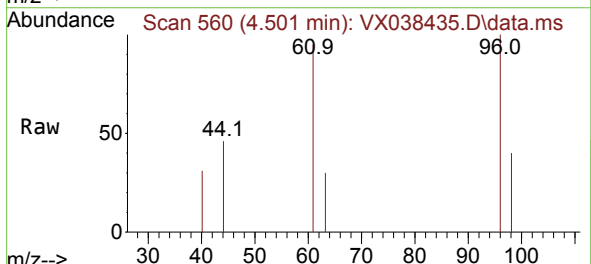
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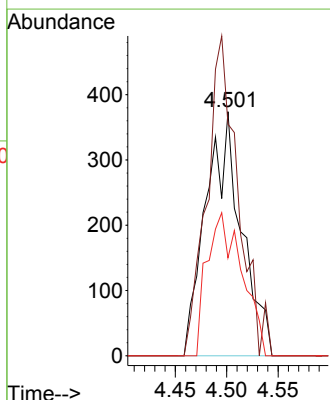
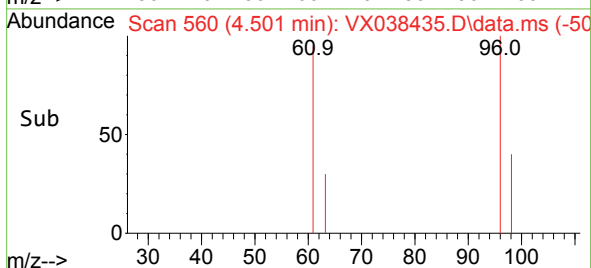
Tgt Ion: 63 Resp: 542
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.3 9.8#
 100 0.0 2.1 6.5#

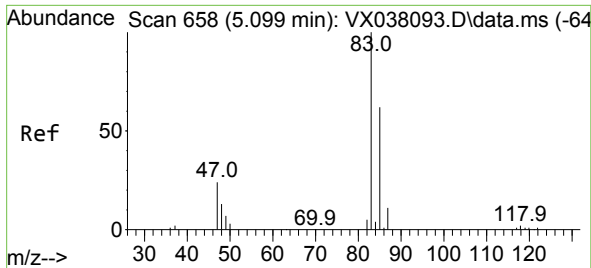


#27
 cis-1,2-Dichloroethene
 Concen: 0.524 ug/l
 RT: 4.501 min Scan# 560
 Delta R.T. 0.012 min
 Lab File: VX038435.D
 Acq: 23 Oct 2023 16:14



Tgt Ion: 96 Resp: 900
 Ion Ratio Lower Upper
 96 100
 61 114.9 0.0 312.2
 98 57.7 0.0 129.0

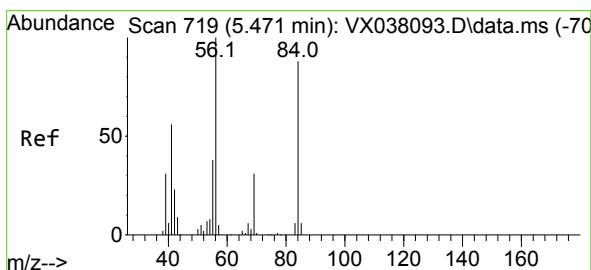
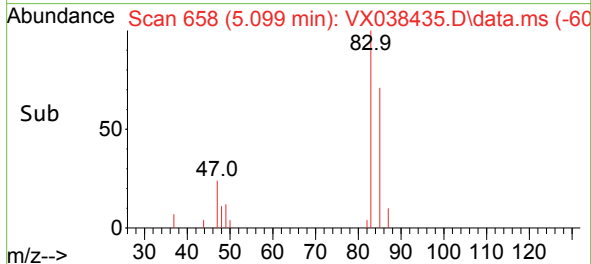
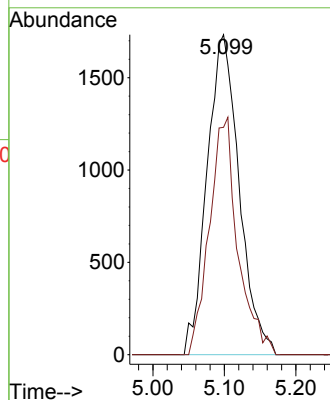
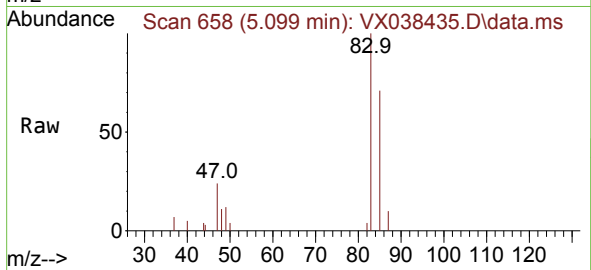




#30
Chloroform
Concen: 1.865 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

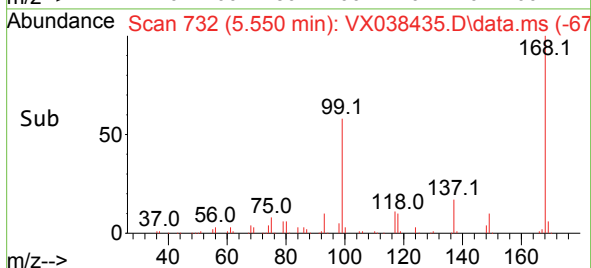
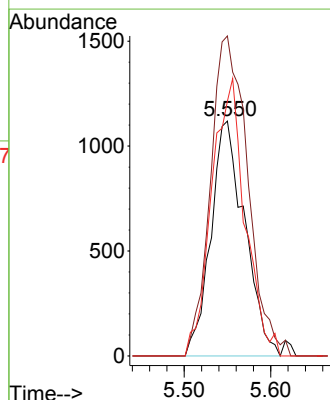
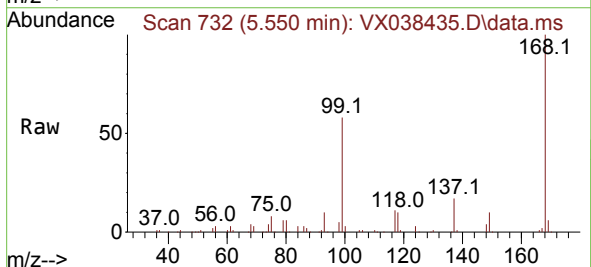
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MSVOA_X
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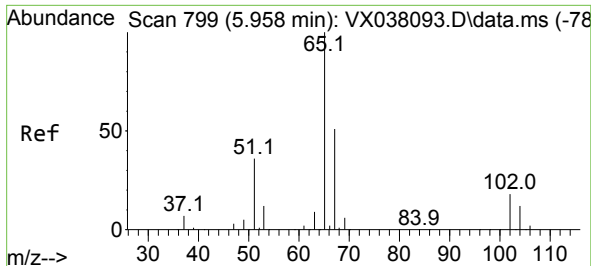
Tgt Ion: 83 Resp: 5409
Ion Ratio Lower Upper
83 100
85 71.0 50.3 75.5



#31
Cyclohexane
Concen: 1.366 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

Tgt Ion: 56 Resp: 3032
Ion Ratio Lower Upper
56 100
69 136.3 23.4 35.2#
84 108.5 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 44.476 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038435.D

Acq: 23 Oct 2023 16:14

Instrument :

MSVOA_X

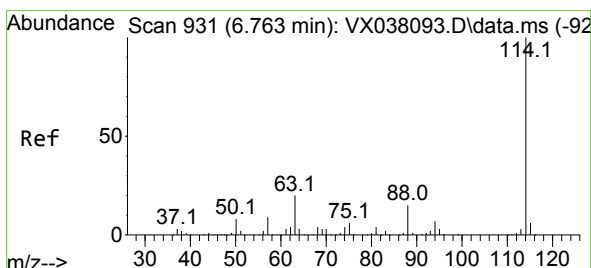
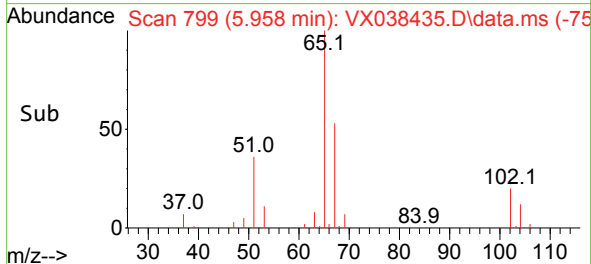
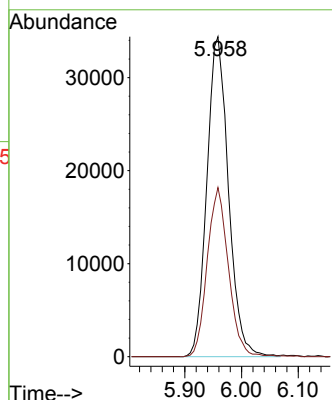
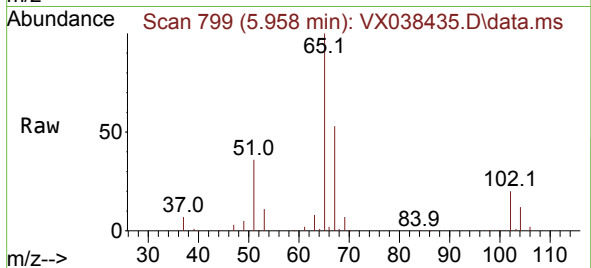
ClientSampleId :

Tgt Ion: 65 Resp: 91137

Ion Ratio Lower Upper

65 100

67 52.0 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: VX038435.D

Acq: 23 Oct 2023 16:14

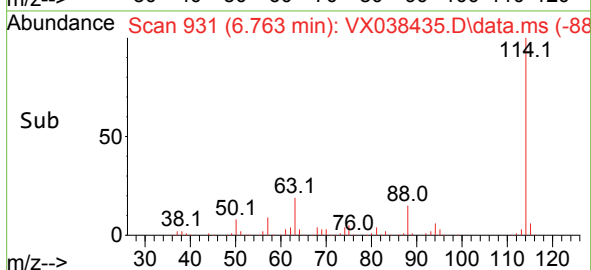
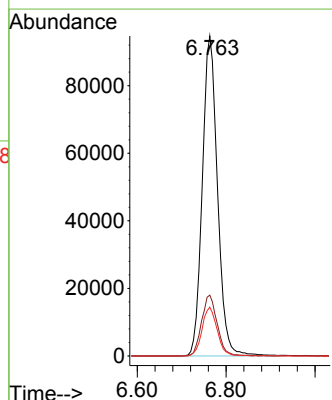
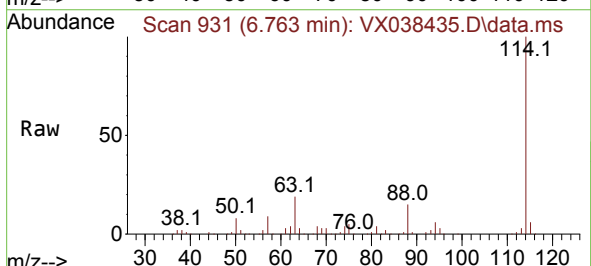
Tgt Ion:114 Resp: 225957

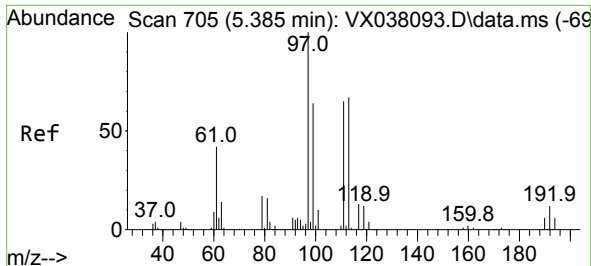
Ion Ratio Lower Upper

114 100

63 19.0 0.0 45.0

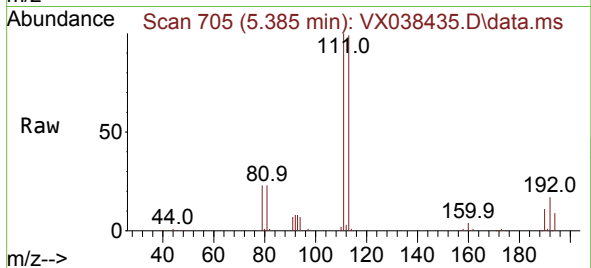
88 15.2 0.0 36.6



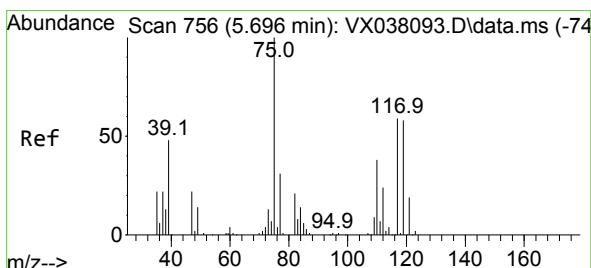
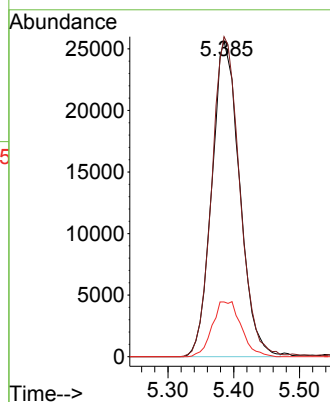
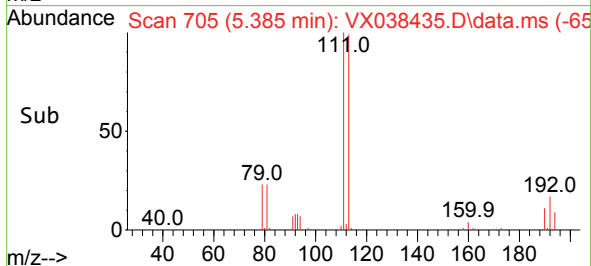


#35
Dibromofluoromethane
Concen: 46.244 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

Instrument :
MSVOA_X
ClientSampleId :

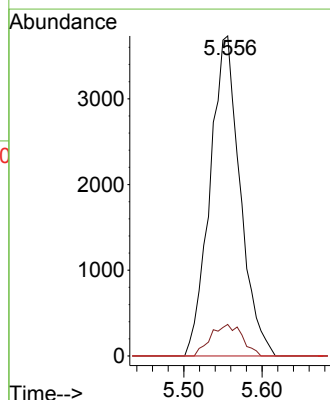
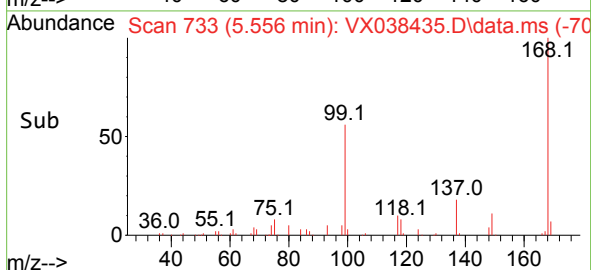
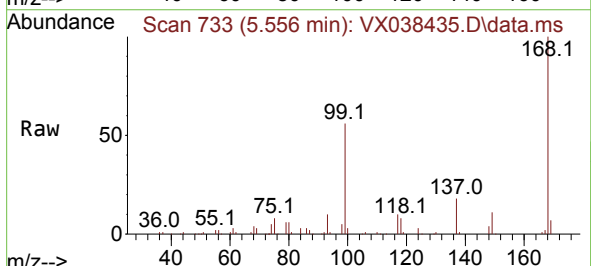


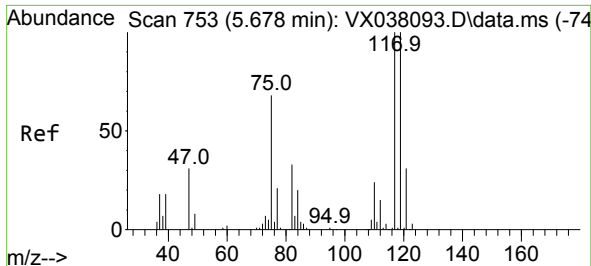
Tgt Ion:113 Resp: 75293
Ion Ratio Lower Upper
113 100
111 101.9 82.9 124.3
192 18.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.441 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

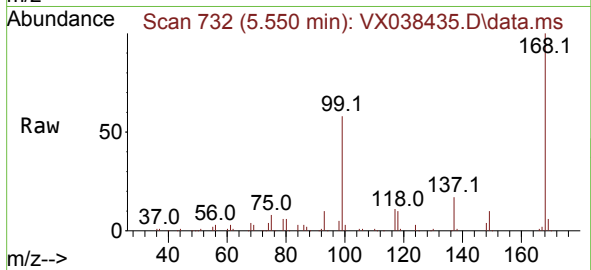
Tgt Ion: 75 Resp: 9970
Ion Ratio Lower Upper
75 100
110 10.3 17.0 50.9#
77 0.0 24.7 37.1#



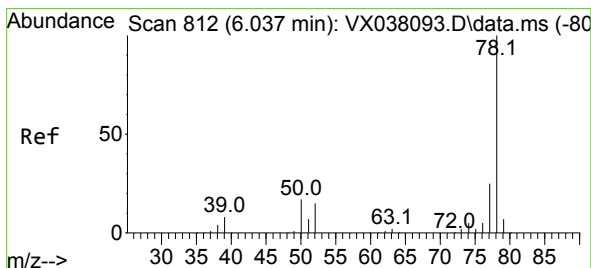
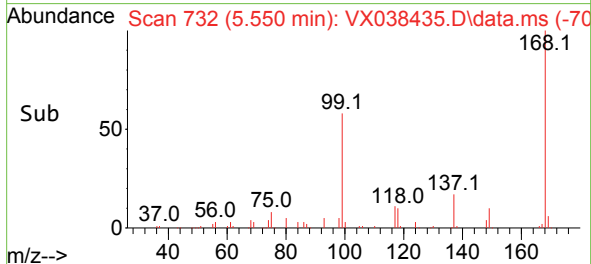
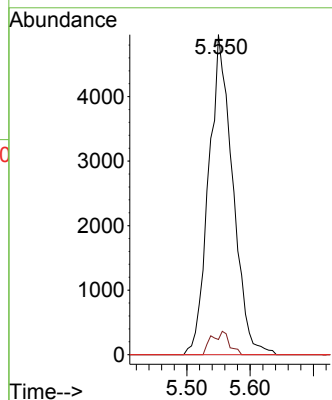


#38
Carbon Tetrachloride
Concen: 5.916 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

Instrument :
MSVOA_X
ClientSampleId :

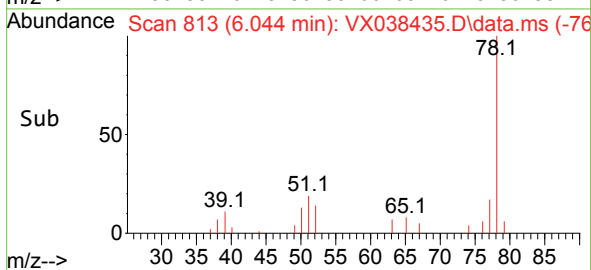
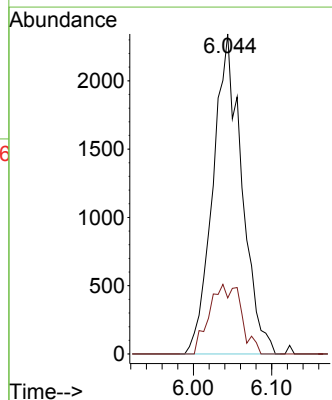
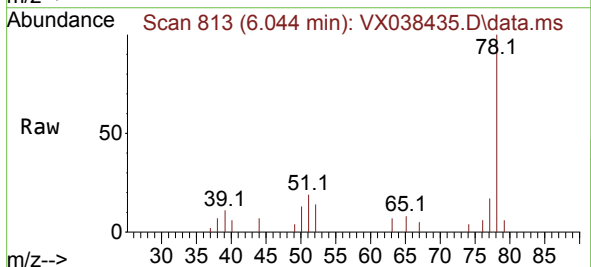


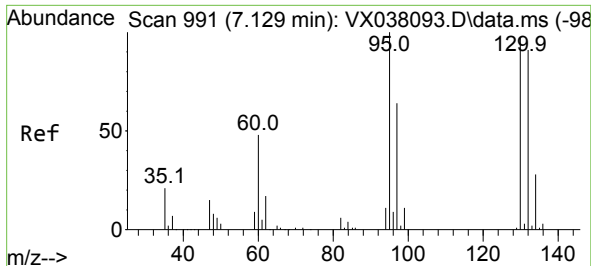
Tgt Ion:117 Resp: 13066
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.956 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

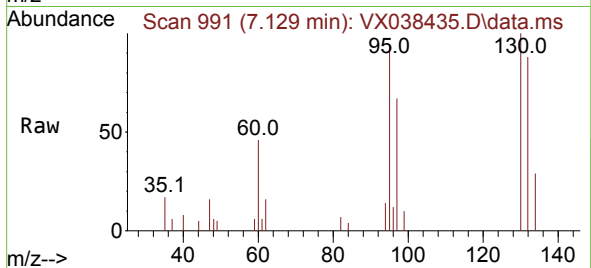
Tgt Ion: 78 Resp: 6005
Ion Ratio Lower Upper
78 100
77 17.5 19.3 28.9#



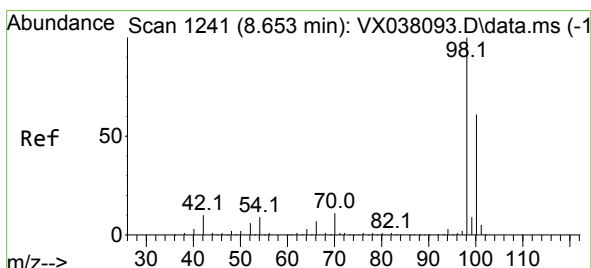
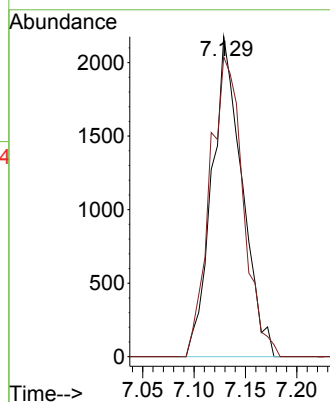
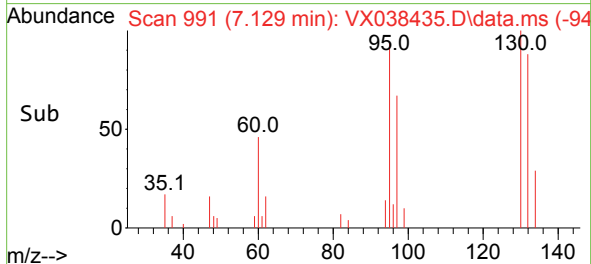


#44
Trichloroethene
Concen: 2.714 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

Instrument :
MSVOA_X
ClientSampleId :

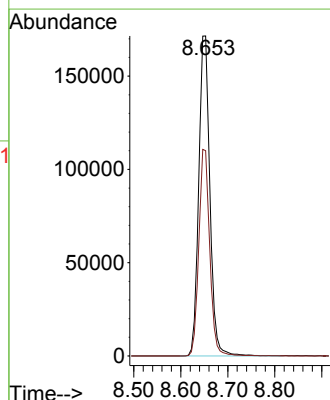
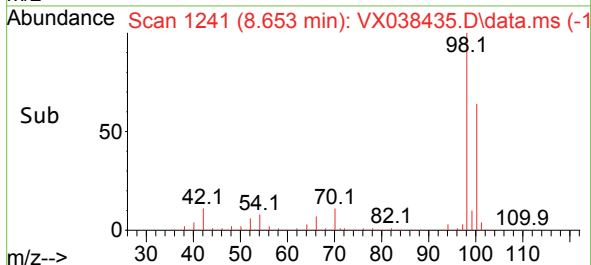
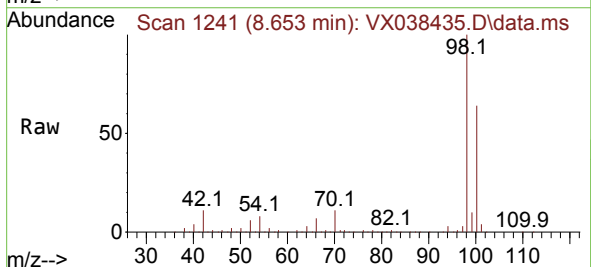


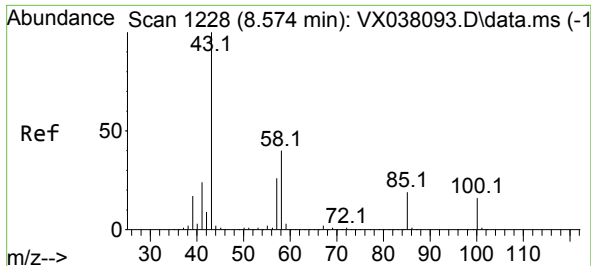
Tgt Ion:130 Resp: 4457
Ion Ratio Lower Upper
130 100
95 93.7 0.0 204.4



#50
Toluene-d8
Concen: 45.647 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

Tgt Ion: 98 Resp: 283997
Ion Ratio Lower Upper
98 100
100 63.3 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.444 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX038435.D

Acq: 23 Oct 2023 16:14

Instrument :

MSVOA_X

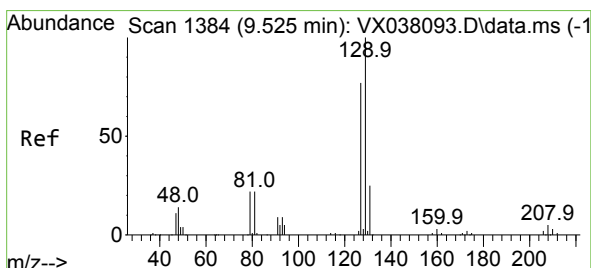
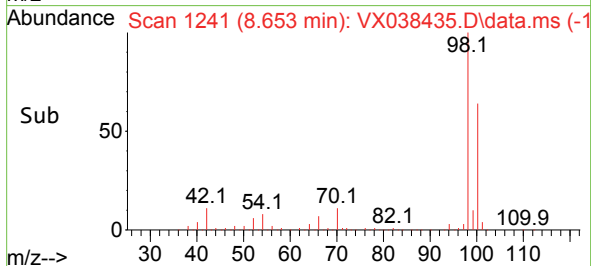
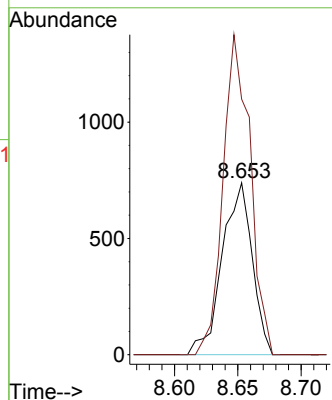
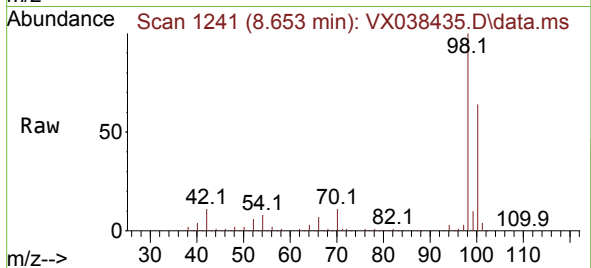
ClientSampleId :

Tgt Ion: 43 Resp: 1219

Ion Ratio Lower Upper

43 100

58 168.5 30.4 45.6#



#60

Dibromochloromethane

Concen: 12.918 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX038435.D

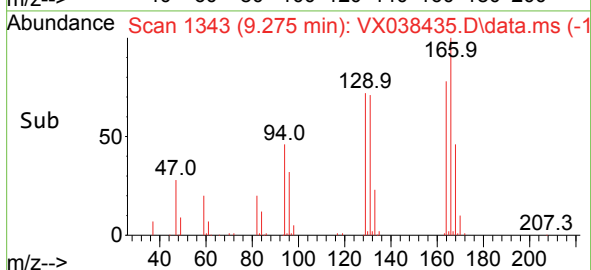
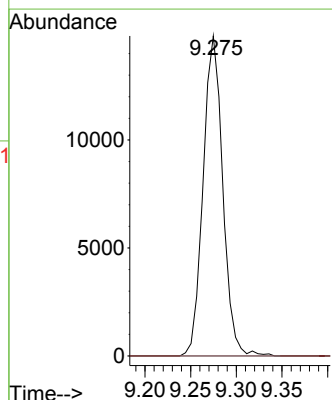
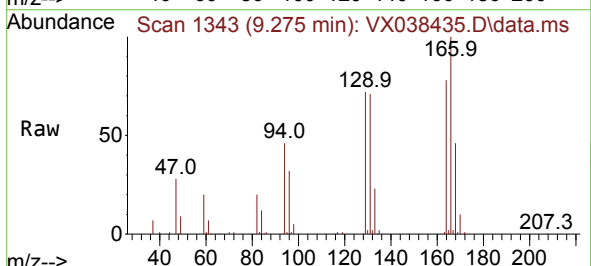
Acq: 23 Oct 2023 16:14

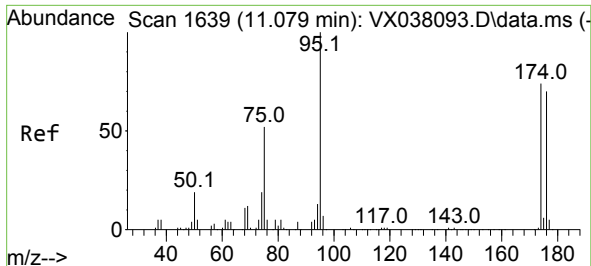
Tgt Ion: 129 Resp: 22121

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#

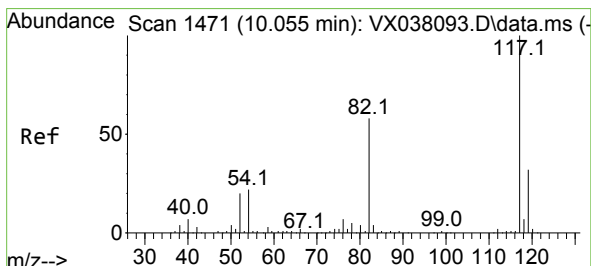
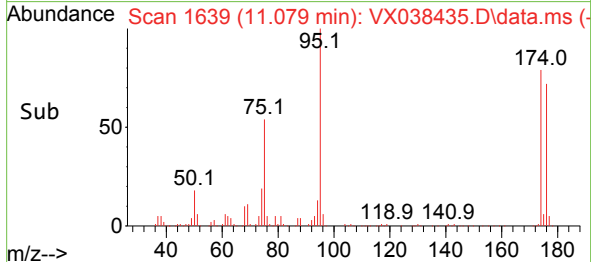
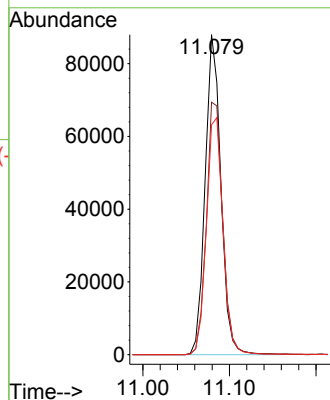
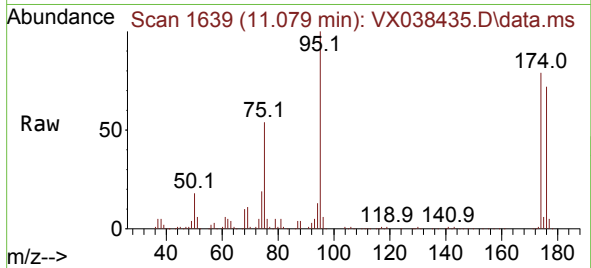




#62
4-Bromofluorobenzene
Concen: 46.983 ug/l
RT: 11.079 min Scan# 110817
Delta R.T. 0.000 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

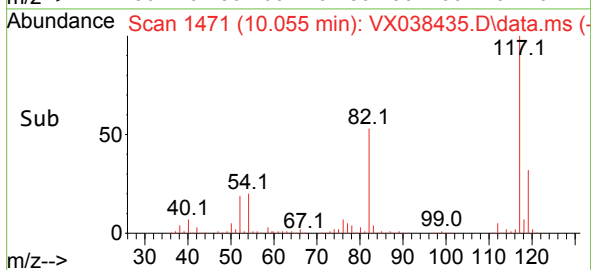
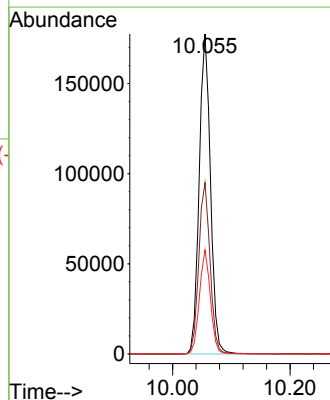
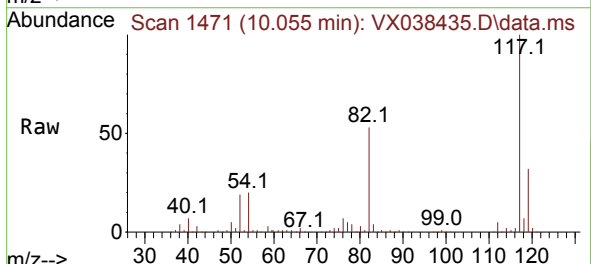
Instrument :
MSVOA_X
ClientSampleId :

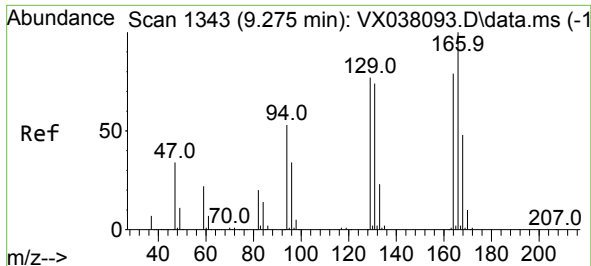
Tgt Ion: 95 Resp: 110817
Ion Ratio Lower Upper
95 100
174 82.9 0.0 135.6
176 78.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

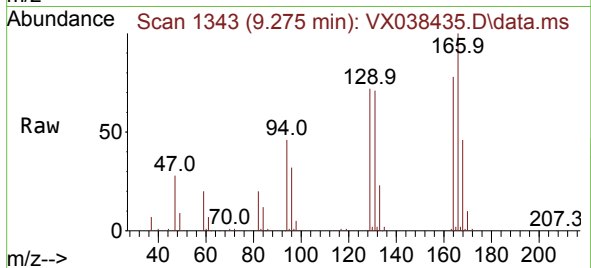
Tgt Ion: 117 Resp: 235721
Ion Ratio Lower Upper
117 100
82 53.5 46.2 69.4
119 32.5 25.5 38.3



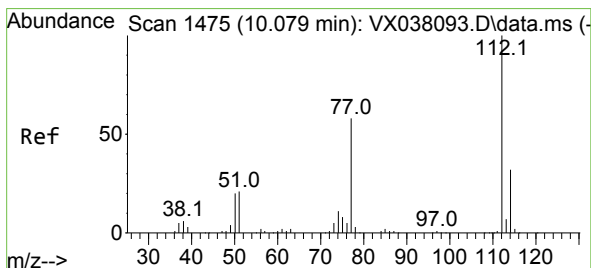
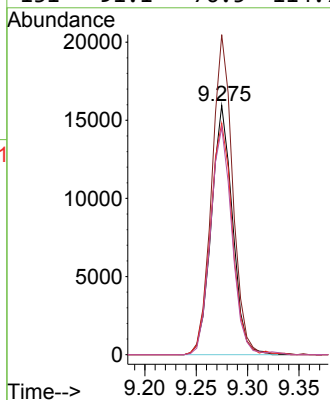
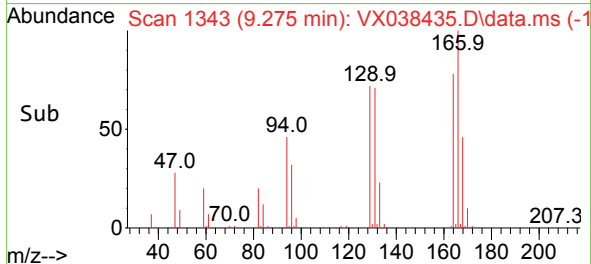


#64
Tetrachloroethene
Concen: 14.878 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

Instrument :
MSVOA_X
ClientSampleId :

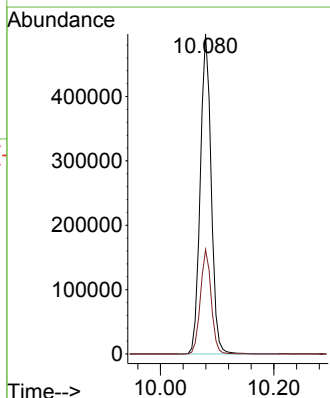
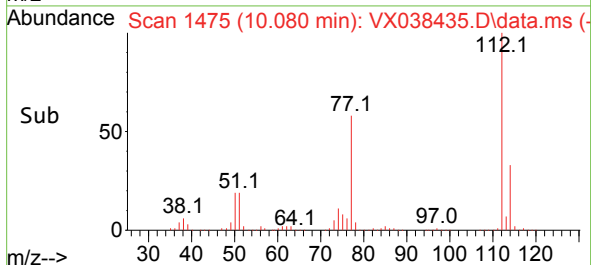
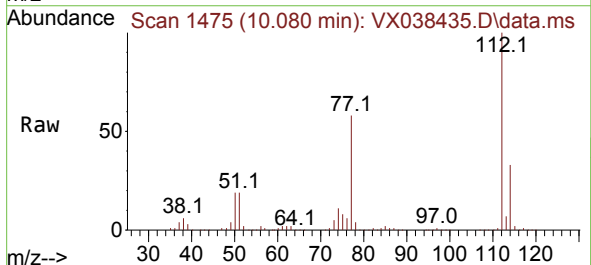


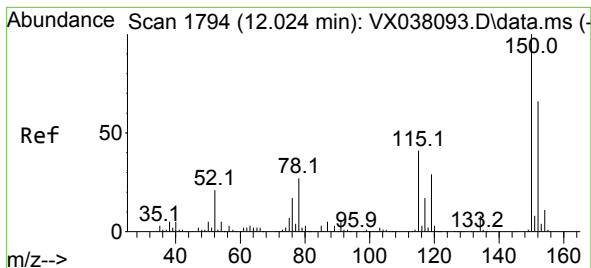
Tgt Ion:164 Resp: 22703
Ion Ratio Lower Upper
164 100
166 128.4 102.7 154.1
129 92.9 80.4 120.6
131 91.1 76.5 114.7



#65
Chlorobenzene
Concen: 134.584 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.001 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

Tgt Ion:112 Resp: 663846
Ion Ratio Lower Upper
112 100
114 32.6 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: VX038435.D

Acq: 23 Oct 2023 16:14

Instrument :

MSVOA_X

ClientSampleId :

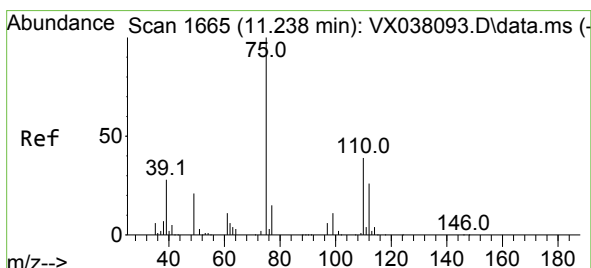
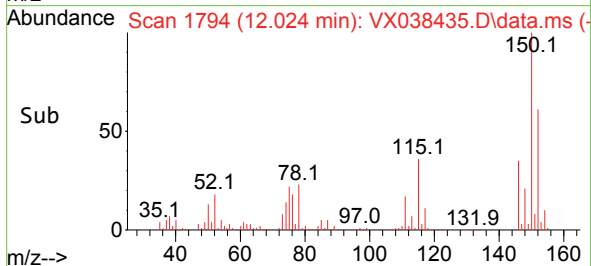
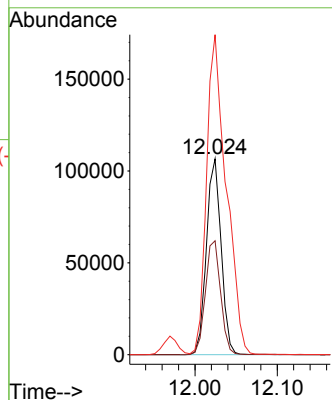
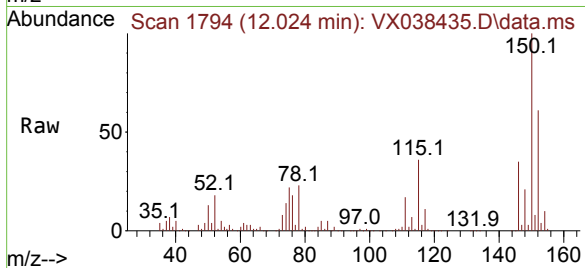
Tgt Ion:152 Resp: 132631

Ion Ratio Lower Upper

152 100

115 60.0 43.3 129.9

150 218.3 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 19.795 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038435.D

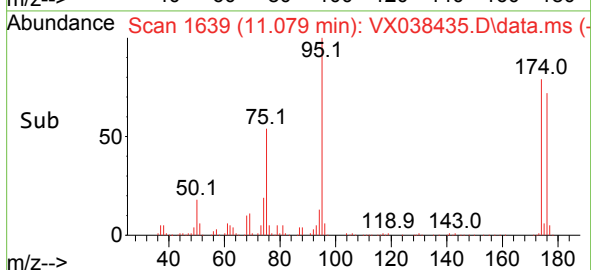
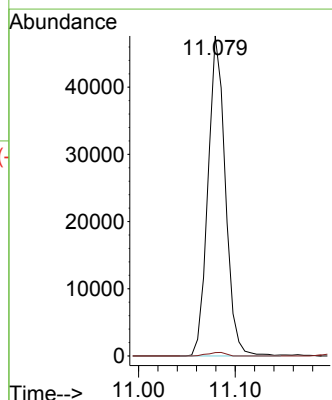
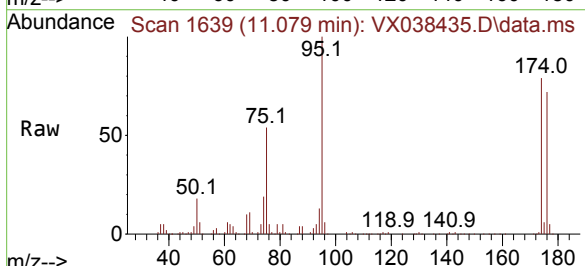
Acq: 23 Oct 2023 16:14

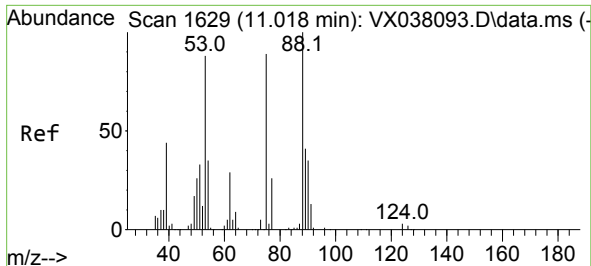
Tgt Ion: 75 Resp: 59685

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

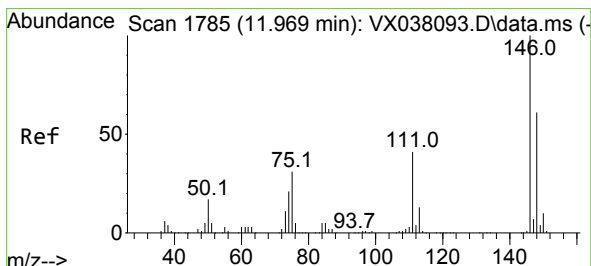
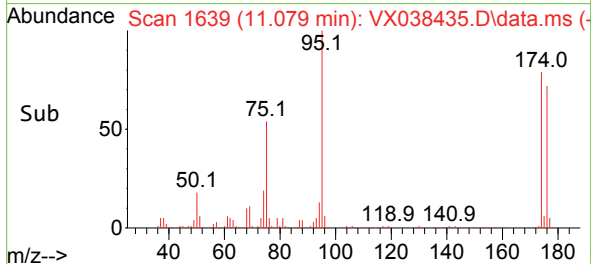
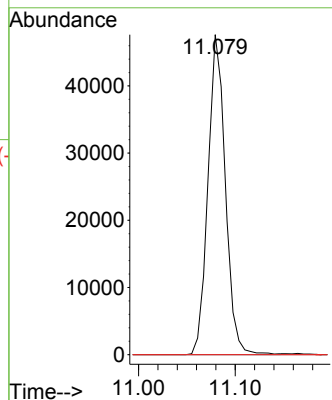
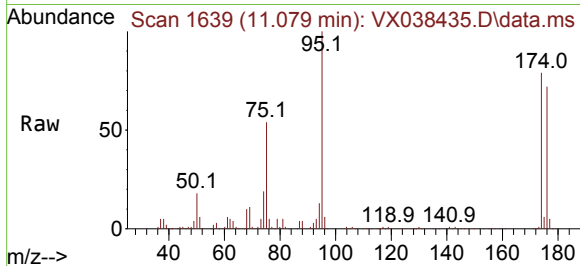




#81
trans-1,4-Dichloro-2-butene
Concen: 57.170 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

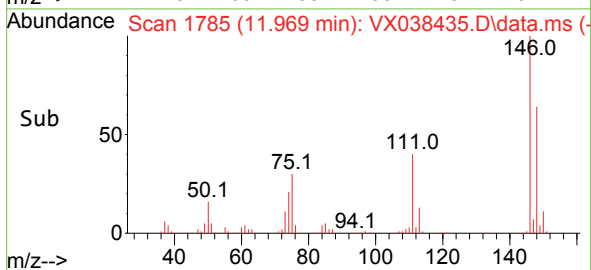
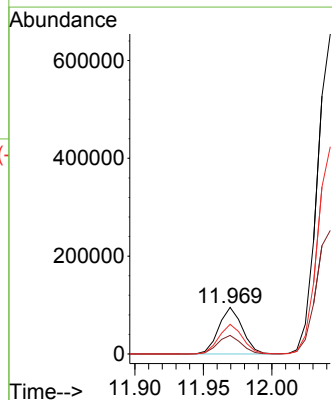
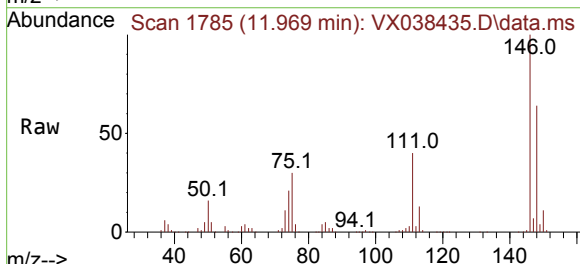
Instrument :
MSVOA_X
ClientSampleId :

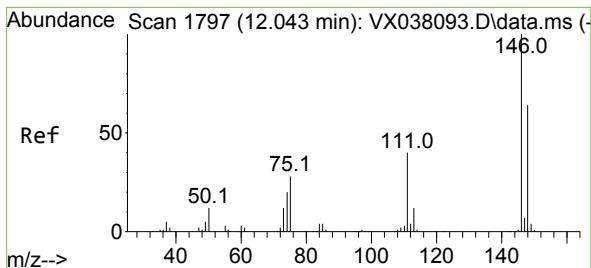
Tgt Ion: 75 Resp: 59685
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#87
1,3-Dichlorobenzene
Concen: 26.222 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

Tgt Ion:146 Resp: 114371
Ion Ratio Lower Upper
146 100
111 40.3 22.1 66.1
148 64.0 31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 173.826 ug/l

RT: 12.043 min Scan# 1

Delta R.T. -0.000 min

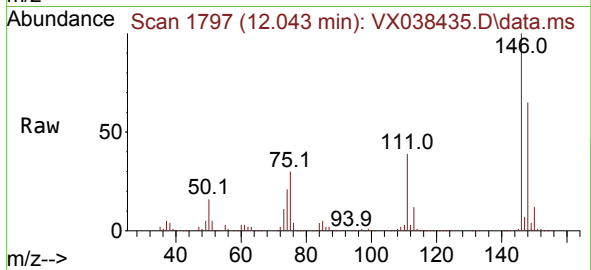
Lab File: VX038435.D

Acq: 23 Oct 2023 16:14

Instrument :

MSVOA_X

ClientSampleId :



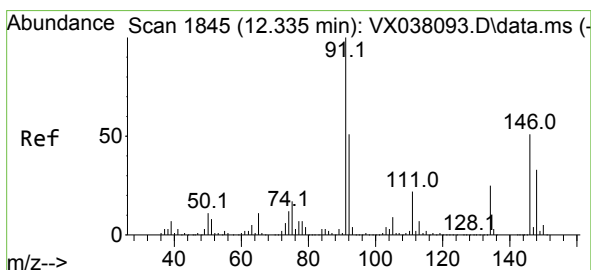
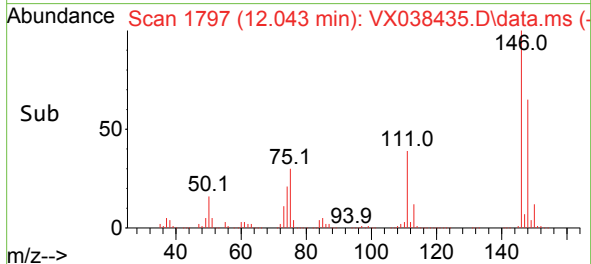
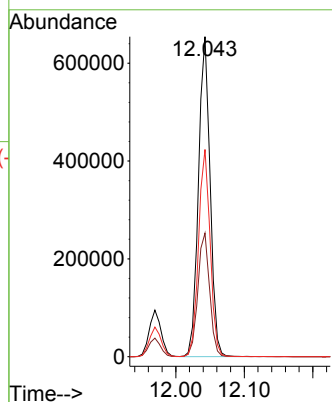
Tgt Ion:146 Resp: 774039

Ion Ratio Lower Upper

146 100

111 39.1 21.3 63.7

148 64.5 31.8 95.4



#91

1,2-Dichlorobenzene

Concen: 68.378 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX038435.D

Acq: 23 Oct 2023 16:14

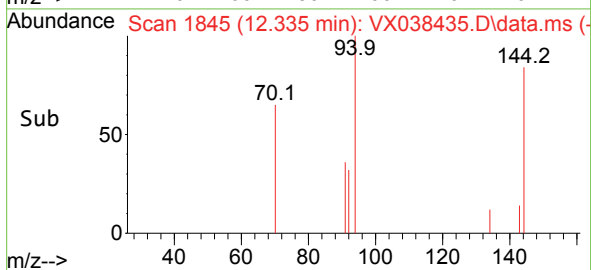
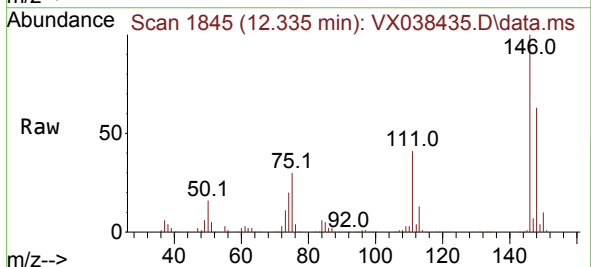
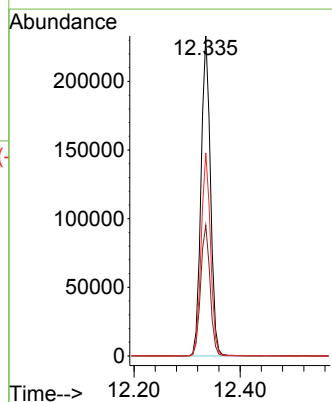
Tgt Ion:146 Resp: 286680

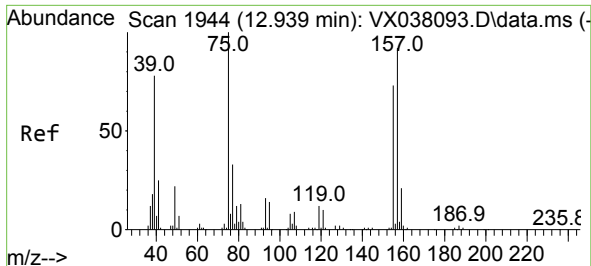
Ion Ratio Lower Upper

146 100

111 41.0 22.4 67.0

148 63.2 31.6 95.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.767 ug/l

RT: 13.109 min Scan# 1944

Delta R.T. 0.164 min

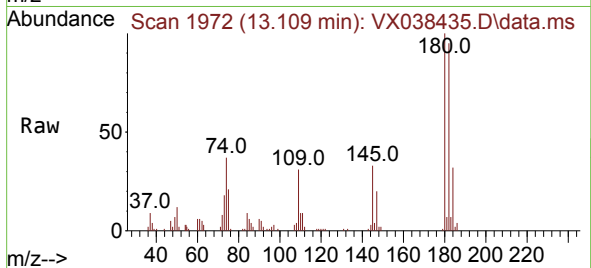
Lab File: VX038435.D

Acq: 23 Oct 2023 16:14

Instrument :

MSVOA_X

ClientSampleId :



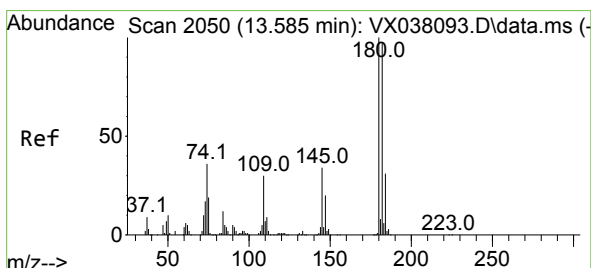
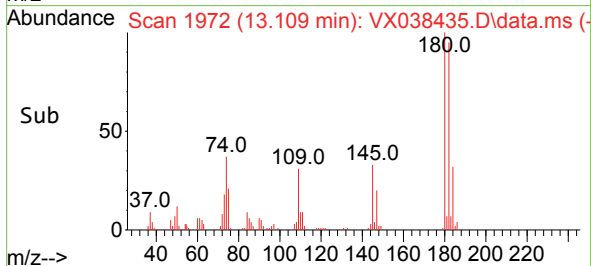
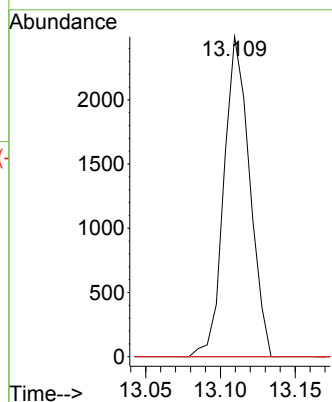
Tgt Ion: 75 Resp: 2973

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: 4281.027 ug/l

RT: 13.603 min Scan# 2053

Delta R.T. 0.018 min

Lab File: VX038435.D

Acq: 23 Oct 2023 16:14

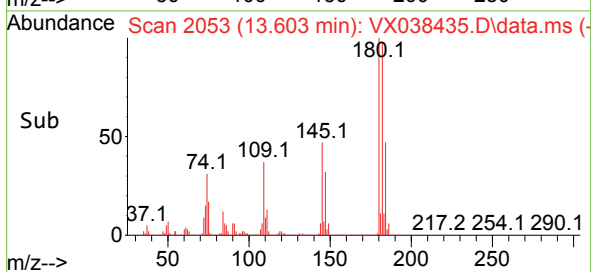
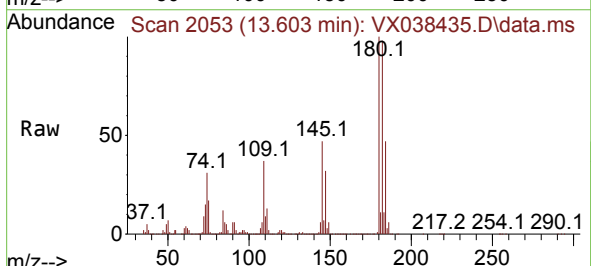
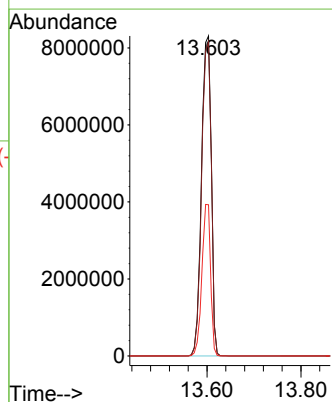
Tgt Ion:180 Resp:12038309

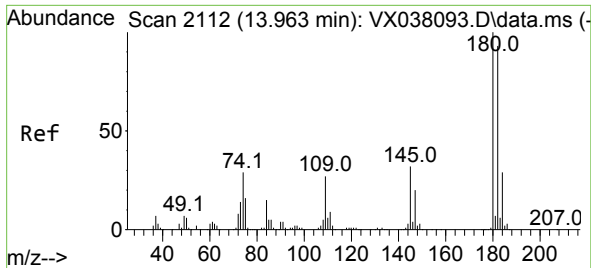
Ion Ratio Lower Upper

180 100

182 97.0 48.3 144.8

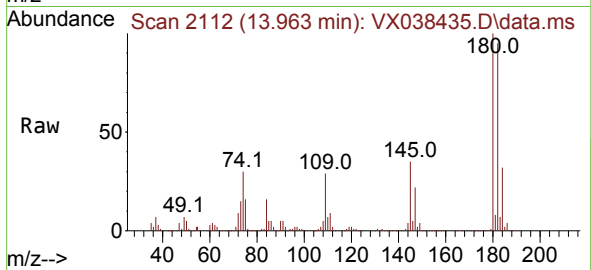
145 42.1 18.0 54.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1041.232 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX038435.D
 Acq: 23 Oct 2023 16:14

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 2835042
 Ion Ratio Lower Upper
 180 100
 182 95.4 46.9 140.6
 145 33.7 17.8 53.5

