

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 :
 GW-24-37-40

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)

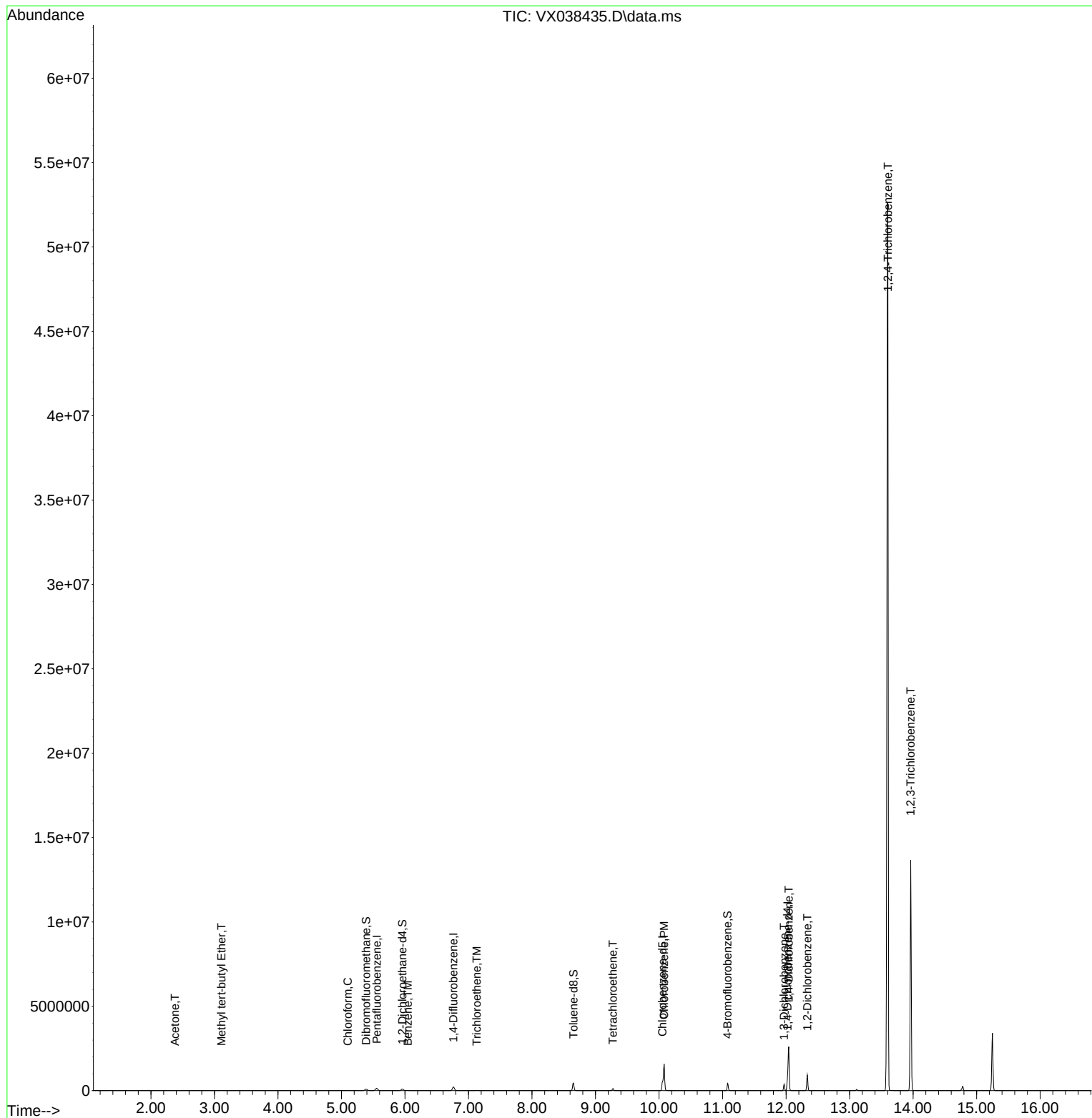
Internal Standards						
1) Pentafluorobenzene	5.556	168	127399	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	225957	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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
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
30) Chloroform	5.099	83	5409	1.865	ug/l	90
40) Benzene	6.044	78	6005	0.956	ug/l	# 87
44) Trichloroethene	7.129	130	4457	2.714	ug/l	92
64) Tetrachloroethene	9.275	164	22703	14.878	ug/l	96
65) Chlorobenzene	10.080	112	663846	134.584	ug/l	99
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
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

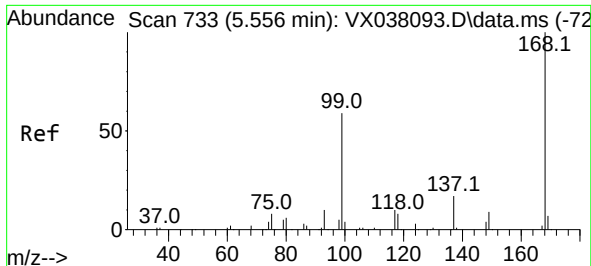
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
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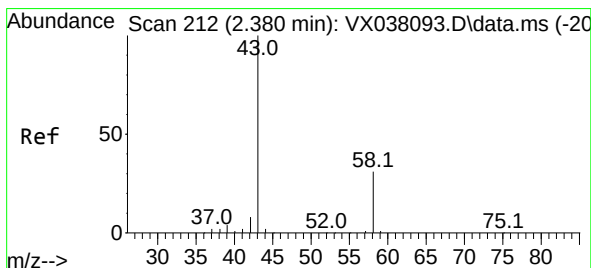
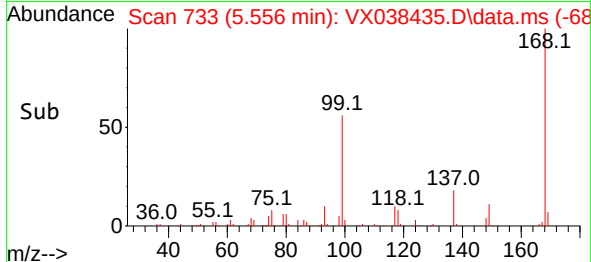
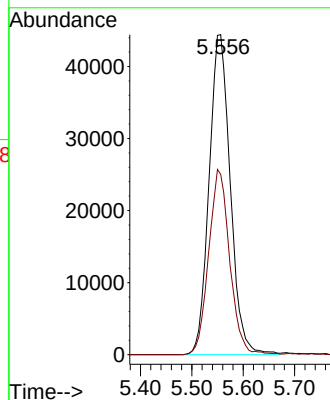
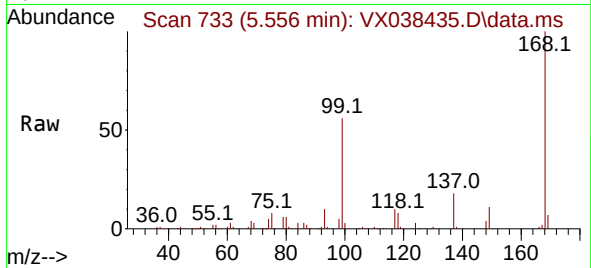




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

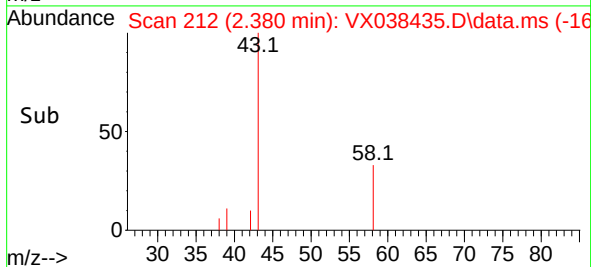
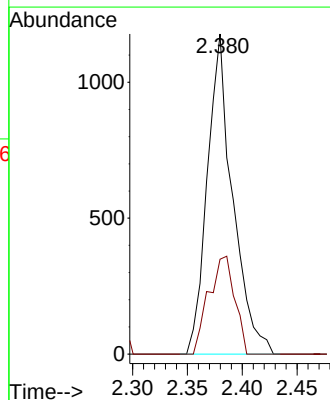
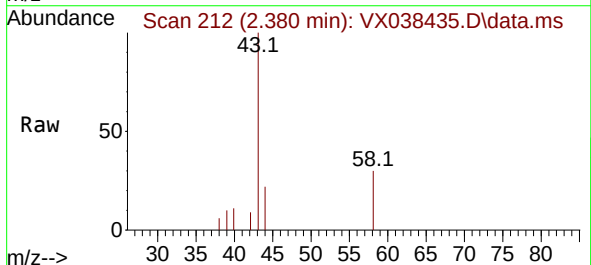
Instrument :
MSVOA_X
ClientSampleId :
GW-24-37-40

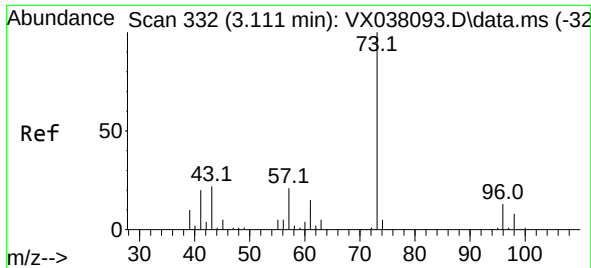
Tgt Ion:168 Resp: 127399
Ion Ratio Lower Upper
168 100
99 56.4 56.6 85.0#



#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

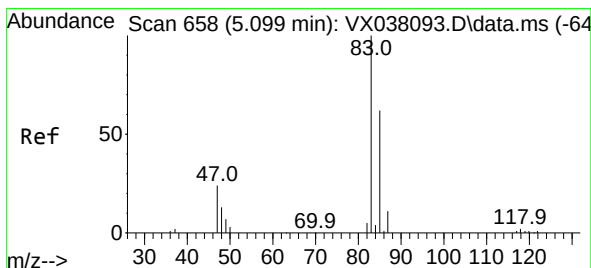
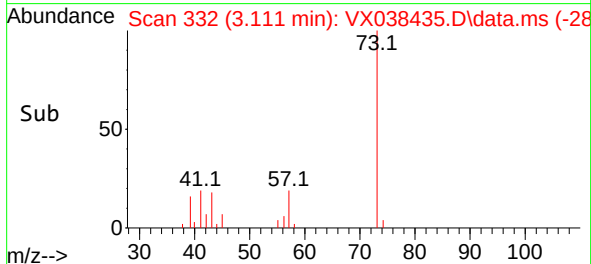
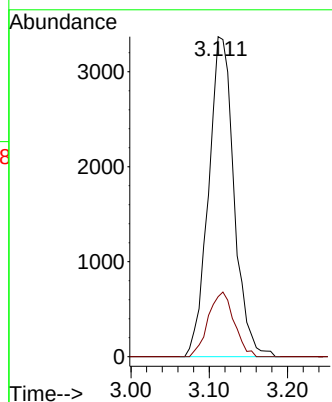
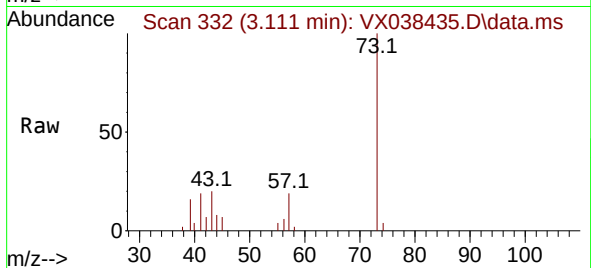




#19
Methyl tert-butyl Ether
Concen: 1.640 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

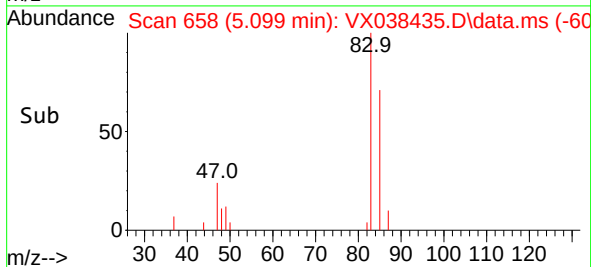
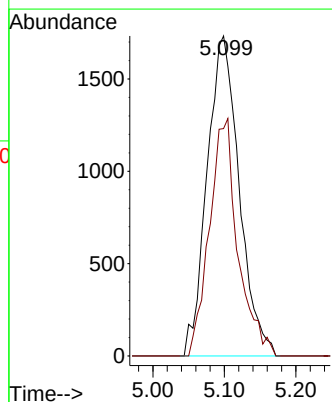
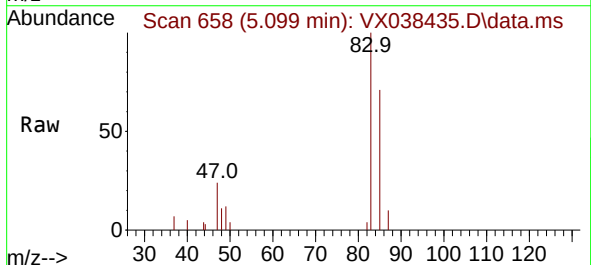
Instrument :
MSVOA_X
ClientSampleId :
GW-24-37-40

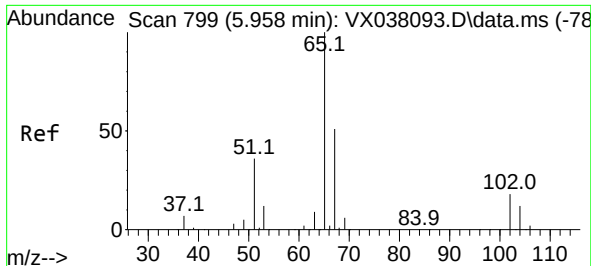
Tgt Ion: 73 Resp: 7611
Ion Ratio Lower Upper
73 100
57 18.7 17.3 25.9



#30
Chloroform
Concen: 1.865 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

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





#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 :

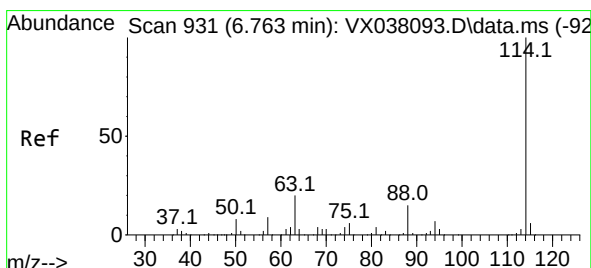
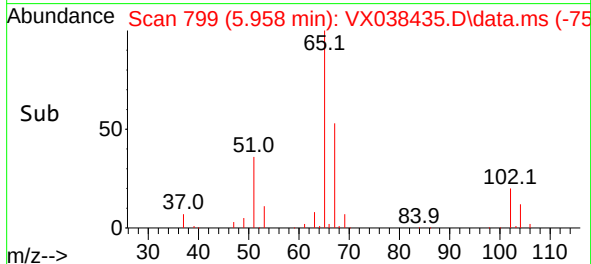
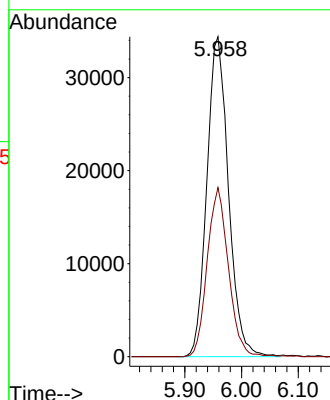
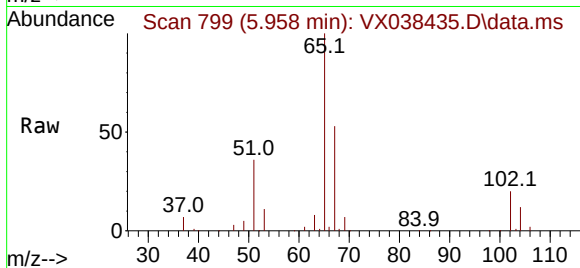
GW-24-37-40

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

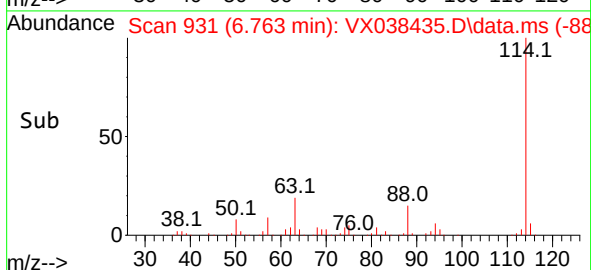
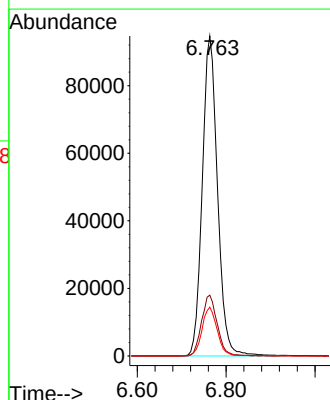
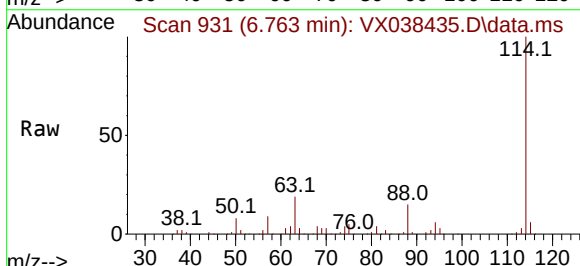
Tgt Ion: 114 Resp: 225957

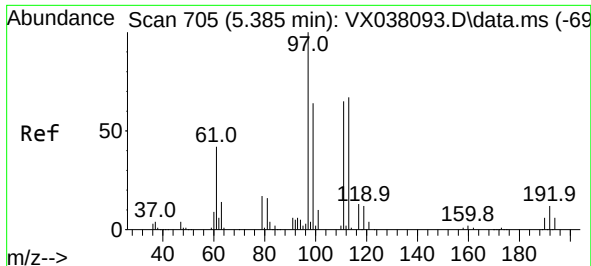
Ion Ratio Lower Upper

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

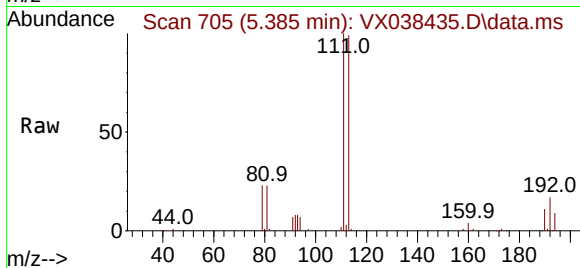
Acq: 23 Oct 2023 16:14

Instrument :

MSVOA_X

ClientSampleId :

GW-24-37-40



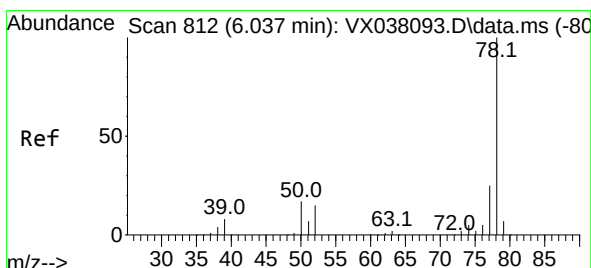
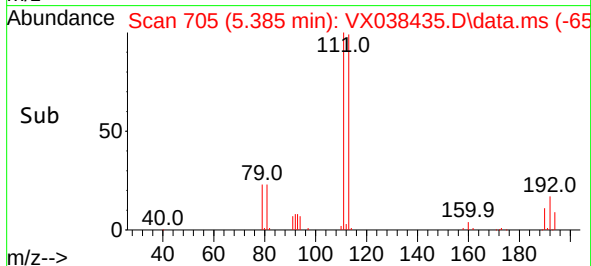
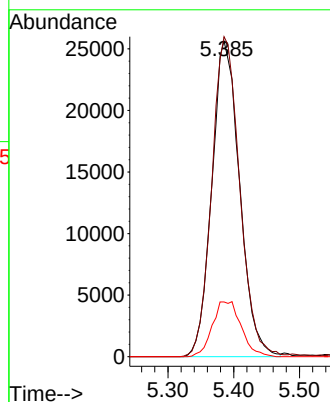
Tgt Ion:113 Resp: 75293

Ion Ratio Lower Upper

113 100

111 101.9 82.9 124.3

192 18.1 13.3 19.9



#40

Benzene

Concen: 0.956 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.006 min

Lab File: VX038435.D

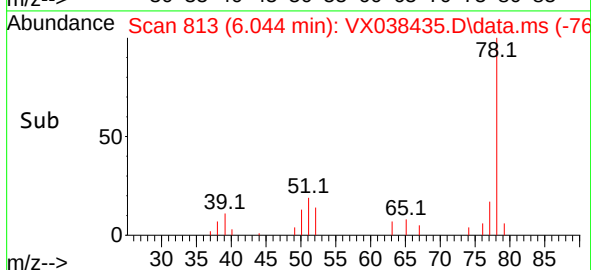
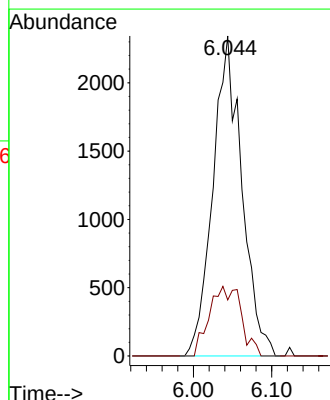
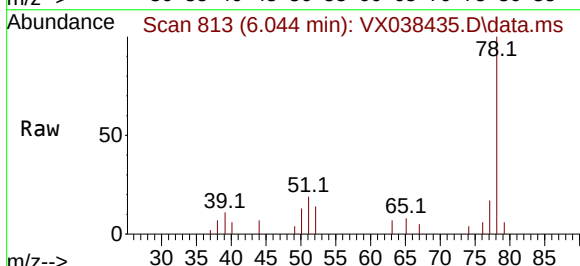
Acq: 23 Oct 2023 16:14

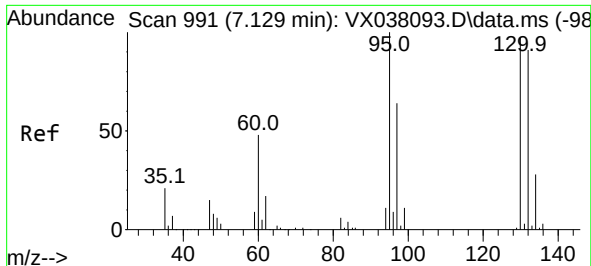
Tgt Ion: 78 Resp: 6005

Ion Ratio Lower Upper

78 100

77 17.5 19.3 28.9#

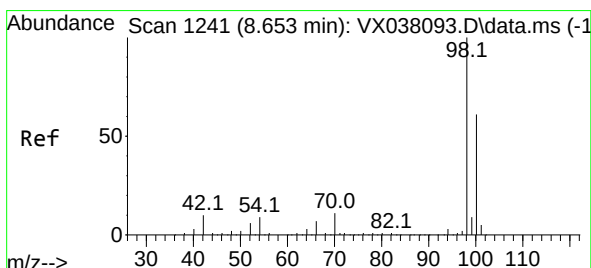
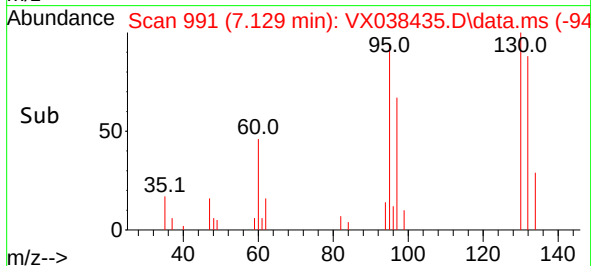
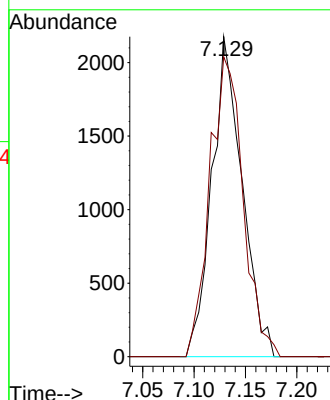
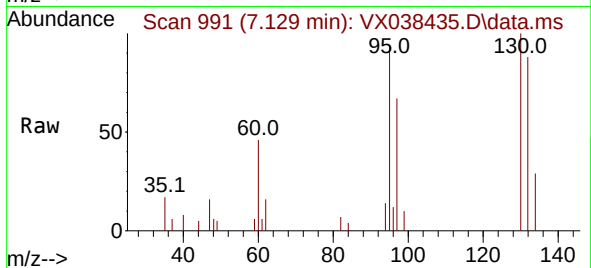




#44
Trichloroethene
Concen: 2.714 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

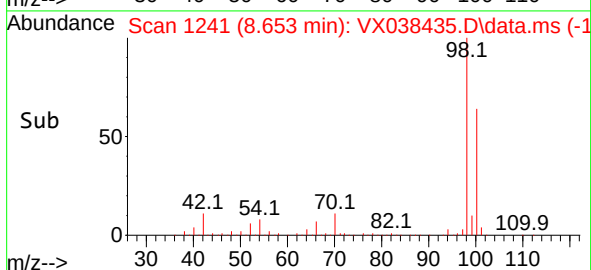
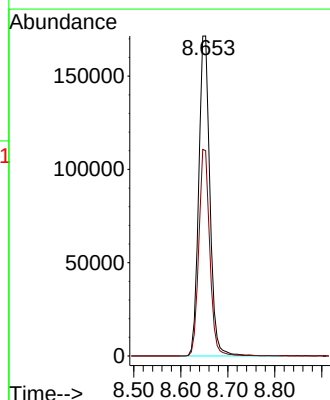
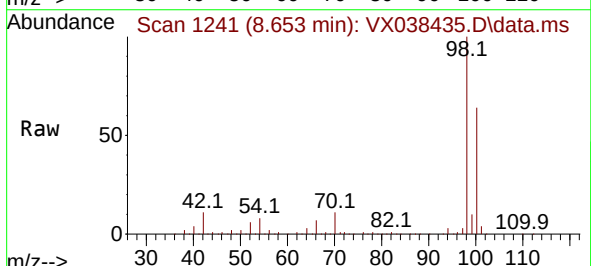
Instrument :
MSVOA_X
ClientSampleId :
GW-24-37-40

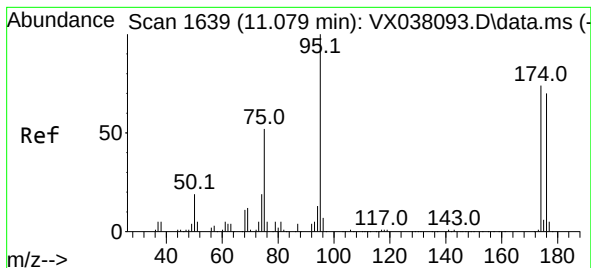
Tgt Ion:130 Resp: 4457
Ion Ratio Lower Upper
130 100
95 93.7 0.0 204.4



#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

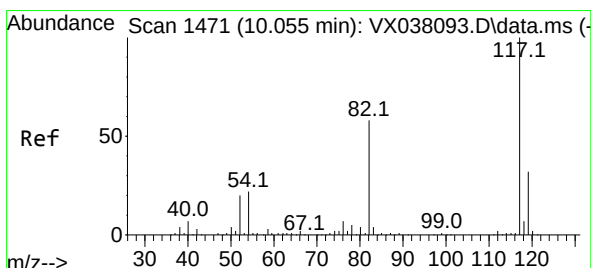
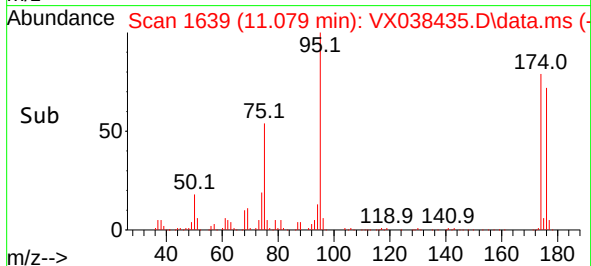
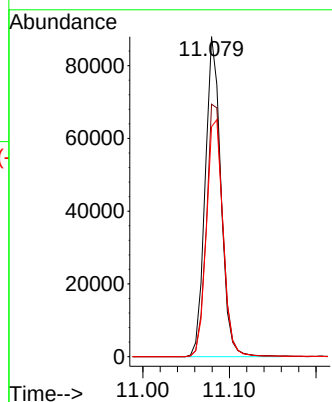
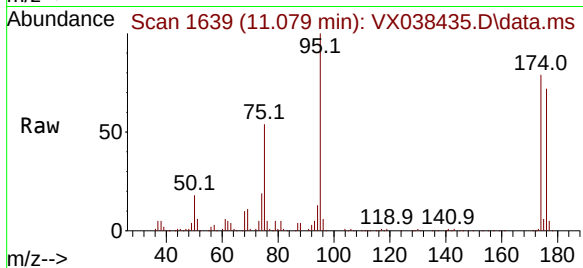




#62
4-Bromofluorobenzene
Concen: 46.983 ug/l
RT: 11.079 min Scan# 110817
Delta R.T. 0.000 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

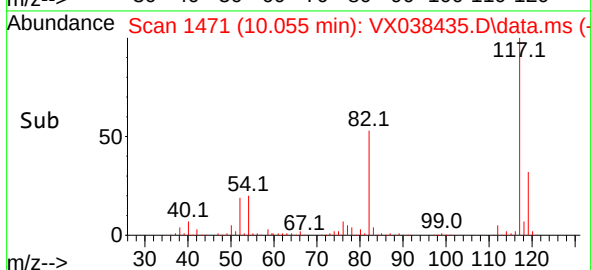
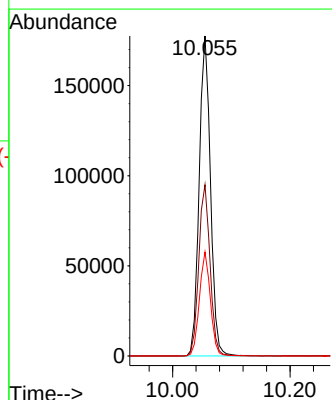
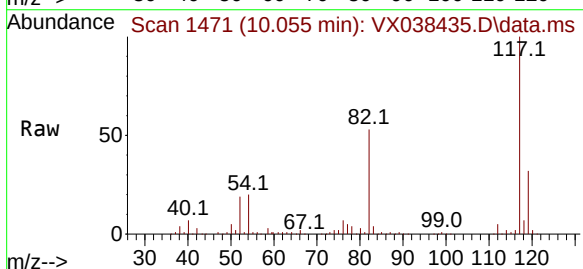
Instrument :
MSVOA_X
ClientSampleId :
GW-24-37-40

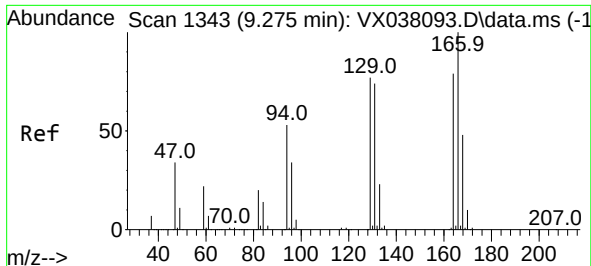
Tgt Ion: 95 Resp: 110817
Ion Ratio Lower Upper
95 100
174 82.9 0.0 135.6
176 78.5 0.0 131.0



#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

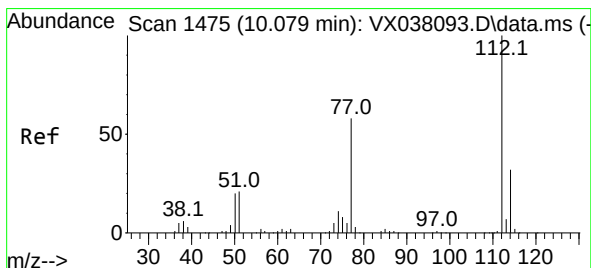
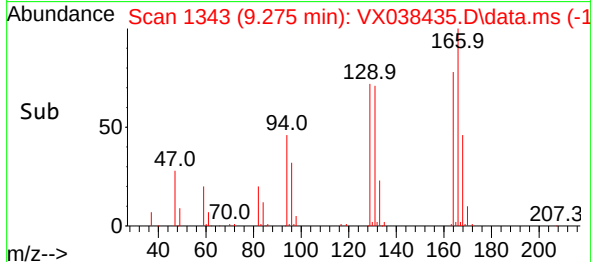
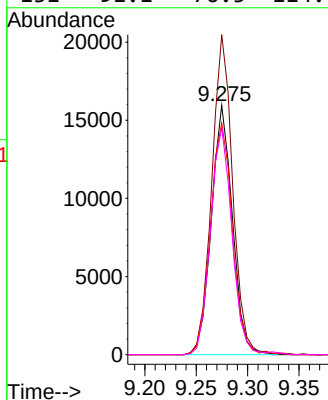
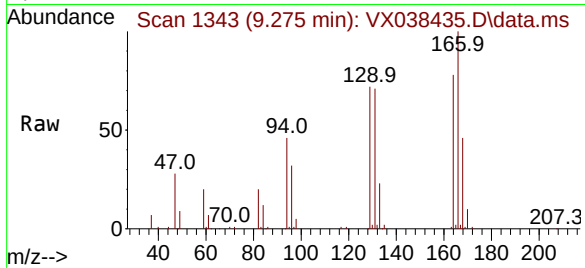




#64
Tetrachloroethene
Concen: 14.878 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038435.D
Acq: 23 Oct 2023 16:14

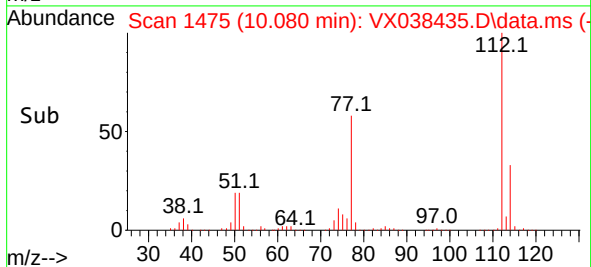
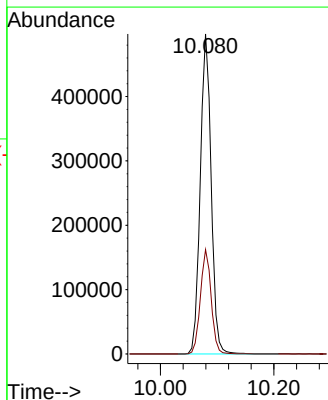
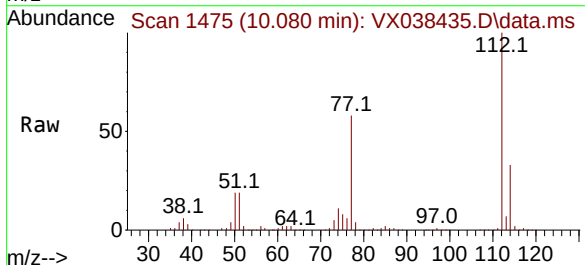
Instrument :
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GW-24-37-40

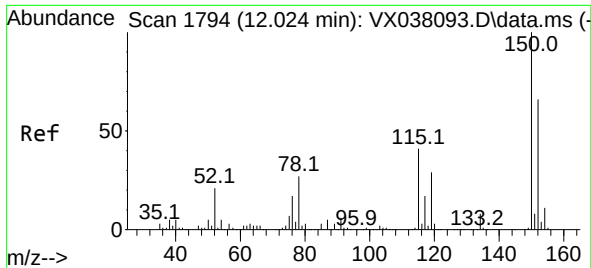
Tgt Ion:164 Resp: 22703
Ion Ratio Lower Upper
164 100
166 128.4 102.7 154.1
129 92.9 80.4 120.6
131 91.1 76.5 114.7



#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

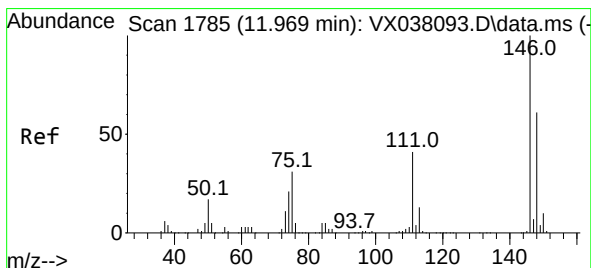
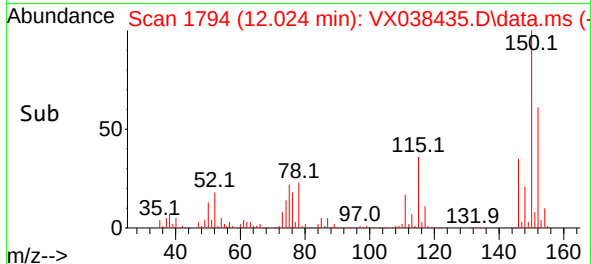
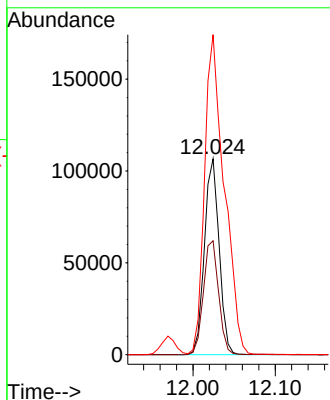
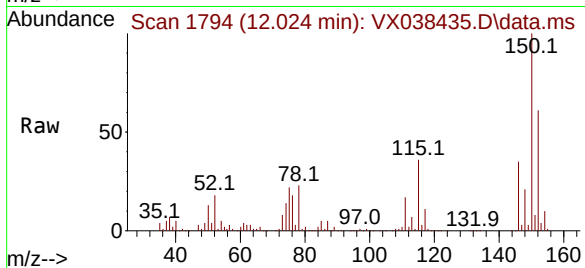




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038435.D
 Acq: 23 Oct 2023 16:14

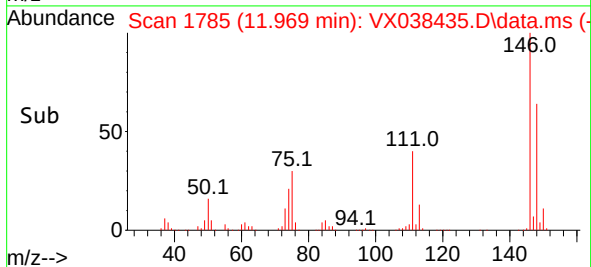
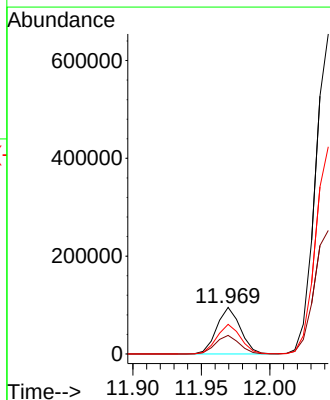
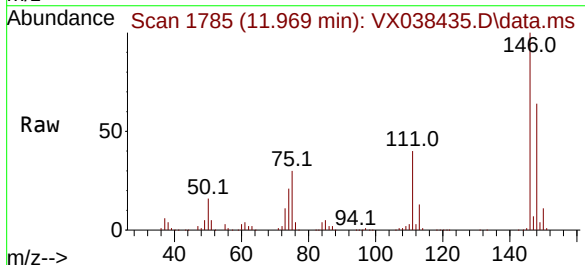
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-24-37-40

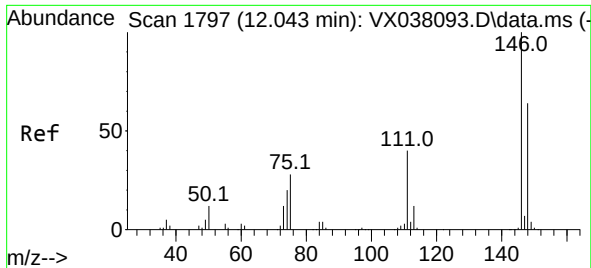
Tgt Ion:152 Resp: 132631
 Ion Ratio Lower Upper
 152 100
 115 60.0 43.3 129.9
 150 218.3 0.0 345.0



#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

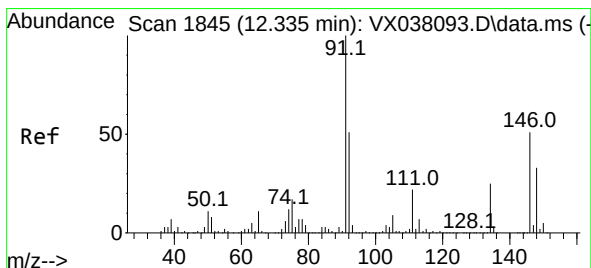
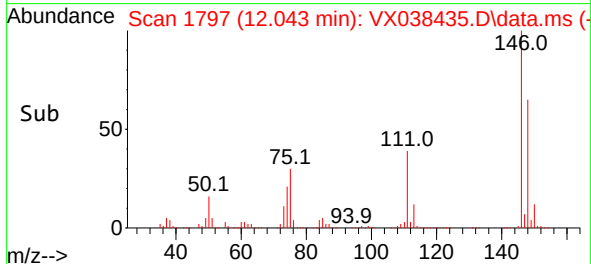
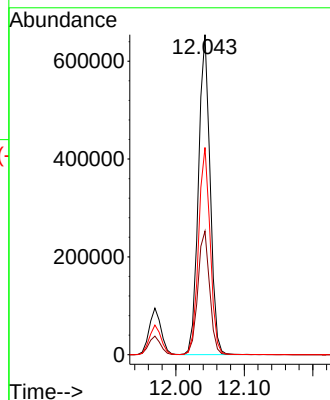
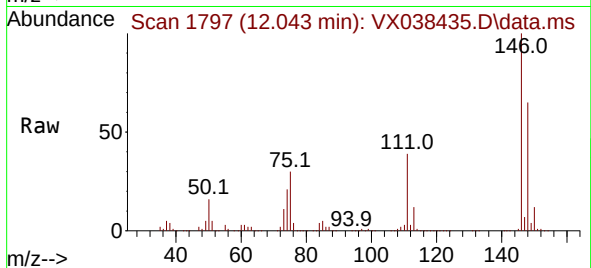




#88
 1,4-Dichlorobenzene
 Concen: 173.826 ug/l
 RT: 12.043 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX038435.D
 Acq: 23 Oct 2023 16:14

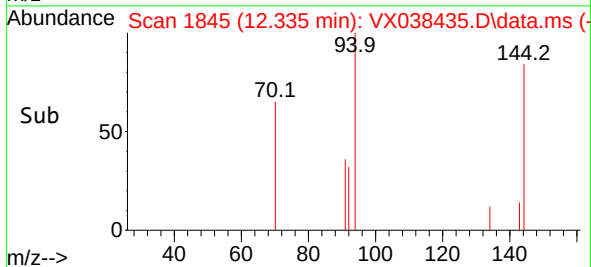
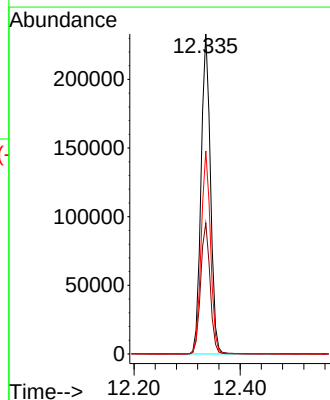
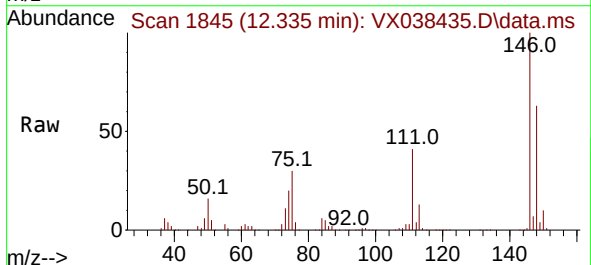
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-24-37-40

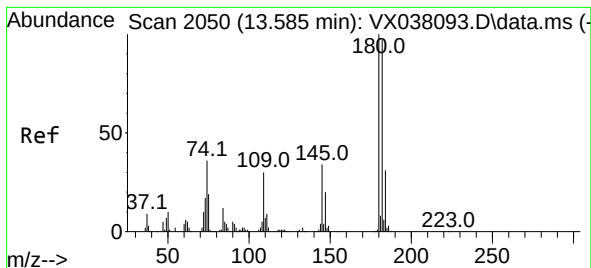
Tgt Ion:146 Resp: 774039
 Ion Ratio Lower Upper
 146 100
 111 39.1 21.3 63.7
 148 64.5 31.8 95.4



#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





#93

1,2,4-Trichlorobenzene

Concen: 4281.027 ug/l

RT: 13.603 min Scan# 2050

Delta R.T. 0.018 min

Lab File: VX038435.D

Acq: 23 Oct 2023 16:14

Instrument :

MSVOA_X

ClientSampleId :

GW-24-37-40

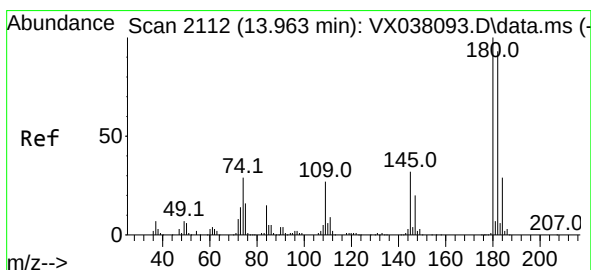
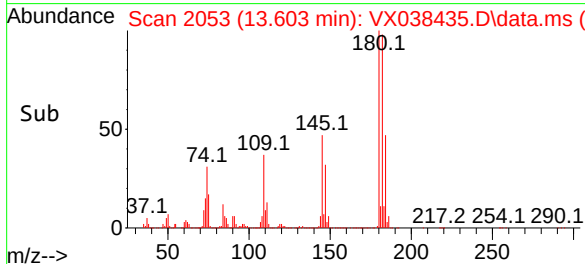
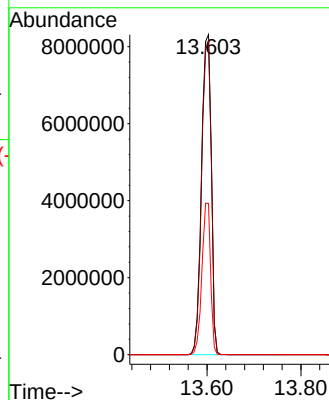
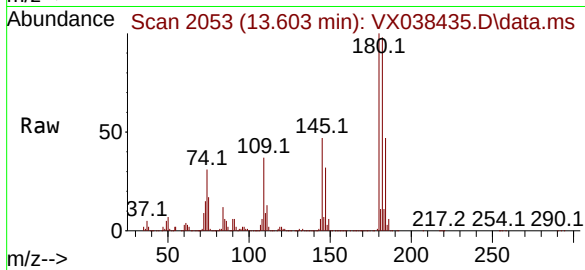
Tgt Ion:180 Resp:12038309

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# 2112

Delta R.T. -0.000 min

Lab File: VX038435.D

Acq: 23 Oct 2023 16:14

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

