

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101023\
 Data File : VX038205.D
 Acq On : 10 Oct 2023 16:42
 Operator : JC/MD
 Sample : 04782-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-5-10-13

Quant Time: Oct 11 01:40:08 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)

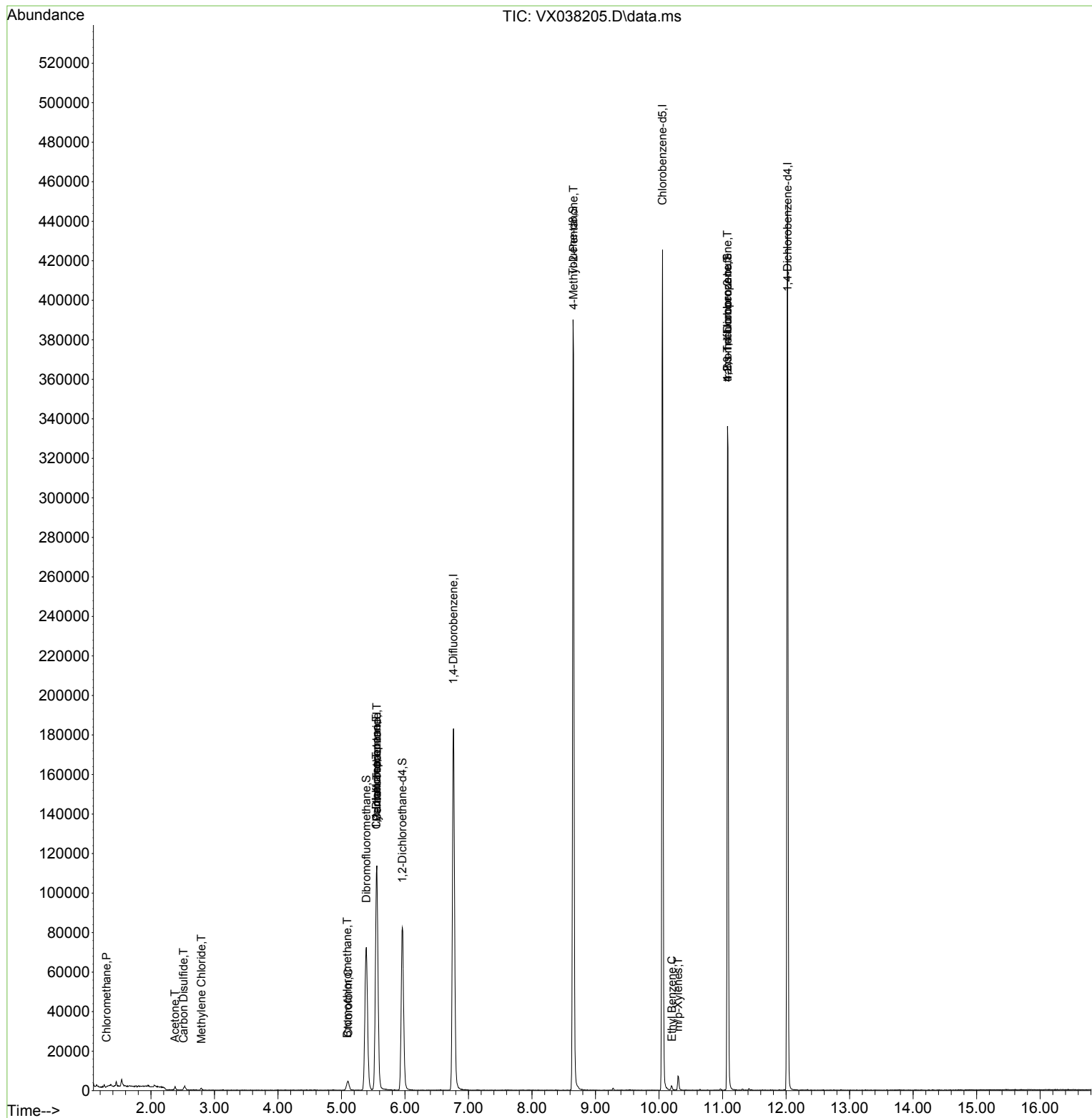
Internal Standards						
1) Pentafluorobenzene	5.556	168	106834	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	187575	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184819	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93459	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78634	45.761	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.520%
35) Dibromofluoromethane	5.391	113	62328	46.114	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.220%
50) Toluene-d8	8.647	98	233618	45.233	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.460%#
62) 4-Bromofluorobenzene	11.079	95	85772	43.805	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.620%
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	230	0.219	ug/l	# 43
5) Bromomethane	1.618	94	26	Below Cal	#	3
6) Chloroethane	1.691	64	441	Below Cal	#	43
16) Acetone	2.380	43	1583	2.207	ug/l	# 61
17) Carbon Disulfide	2.514	76	659	0.234	ug/l	# 89
20) Methylene Chloride	2.794	84	488	0.362	ug/l	# 82
28) Bromochloromethane	5.093	49	356	0.355	ug/l	# 16
30) Chloroform	5.105	83	5421	2.229	ug/l	99
31) Cyclohexane	5.550	56	2587	1.390	ug/l	# 24
36) 1,1-Dichloropropene	5.550	75	8794	4.718	ug/l	# 51
38) Carbon Tetrachloride	5.556	117	11159	6.086	ug/l	# 17
51) 4-Methyl-2-Pentanone	8.653	43	1026	0.450	ug/l	# 1
67) Ethyl Benzene	10.201	91	1539	0.223	ug/l	99
68) m/p-Xylenes	10.299	106	1912	0.716	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	47992	22.588	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	47992	64.668	ug/l	# 5

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

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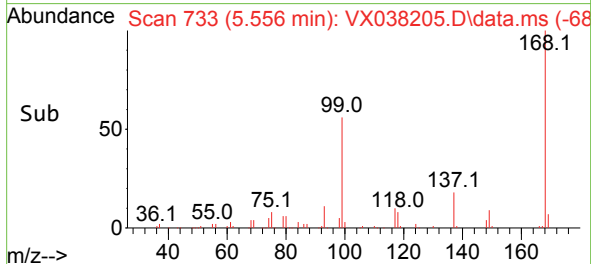
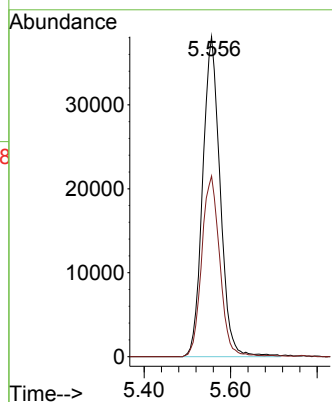
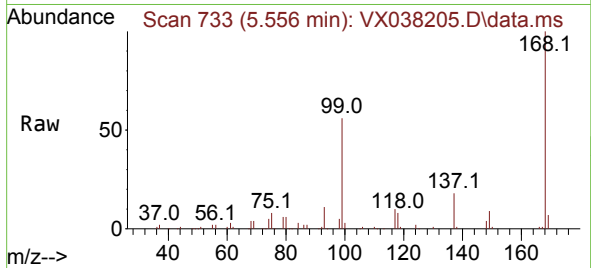




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038205.D
Acq: 10 Oct 2023 16:42

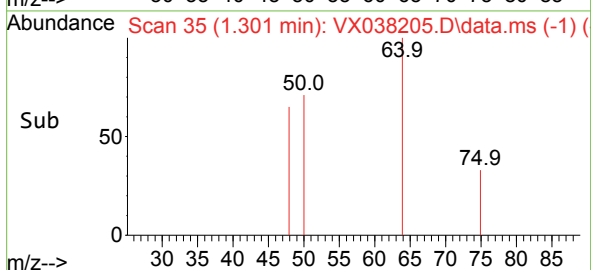
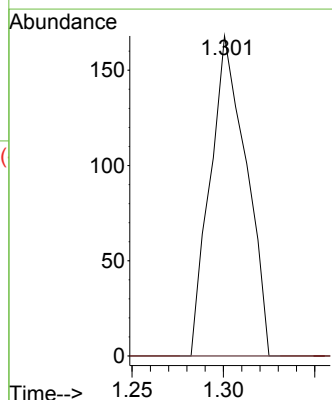
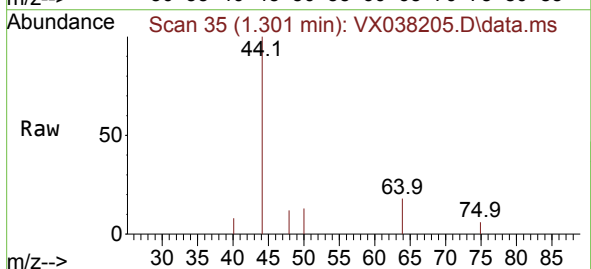
Instrument :
MSVOA_X
ClientSampleId :
GW-5-10-13

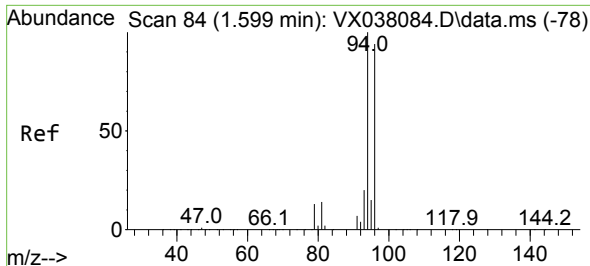
Tgt Ion:168 Resp: 106834
Ion Ratio Lower Upper
168 100
99 56.5 56.6 85.0#



#3
Chloromethane
Concen: 0.219 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX038205.D
Acq: 10 Oct 2023 16:42

Tgt Ion: 50 Resp: 230
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

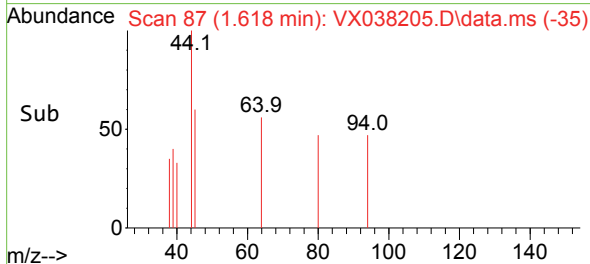
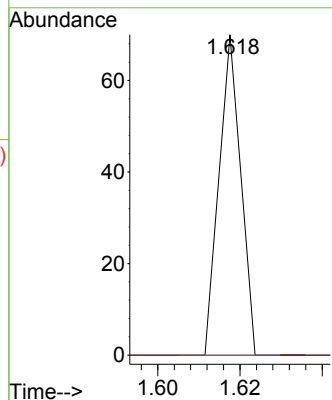
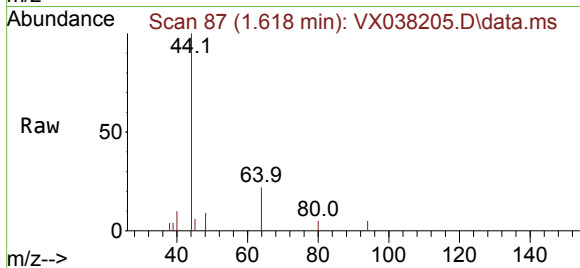




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX038205.D
Acq: 10 Oct 2023 16:42

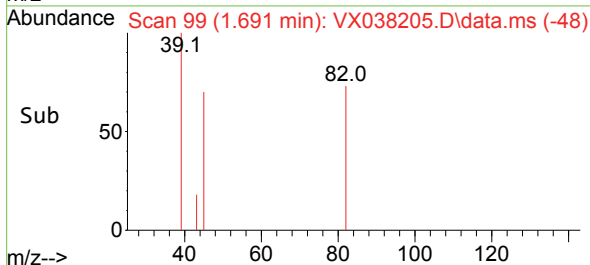
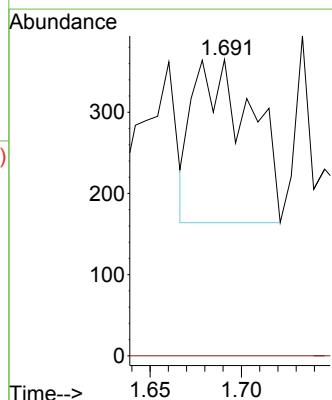
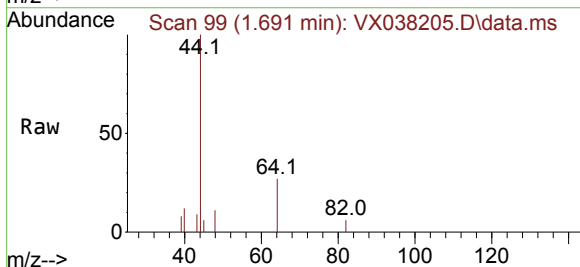
Instrument :
MSVOA_X
ClientSampleId :
GW-5-10-13

Tgt Ion: 94 Resp: 26
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX038205.D
Acq: 10 Oct 2023 16:42

Tgt Ion: 64 Resp: 441
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

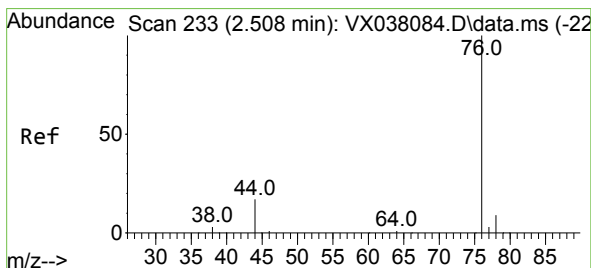
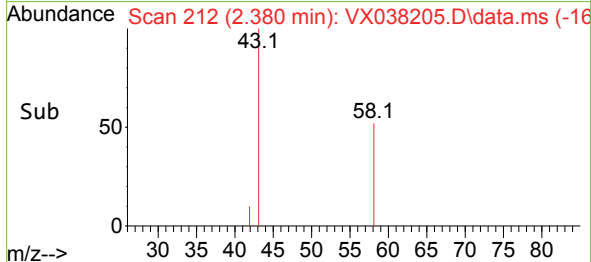
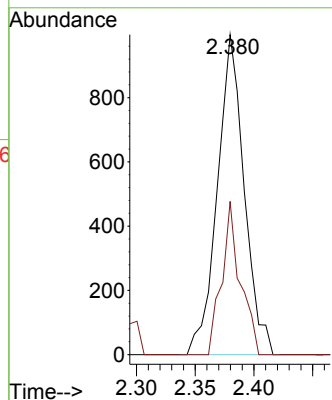
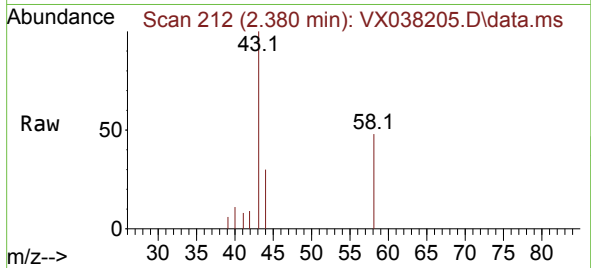




#16
Acetone
Concen: 2.207 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038205.D
Acq: 10 Oct 2023 16:42

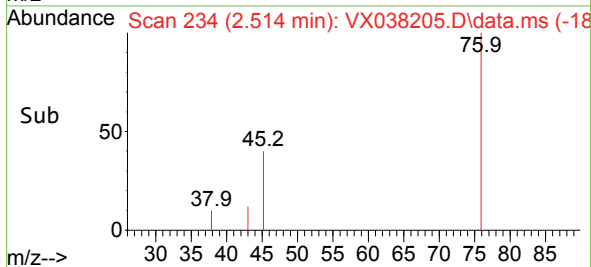
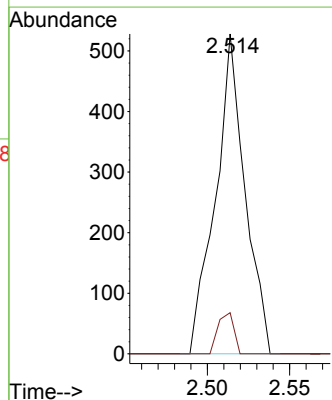
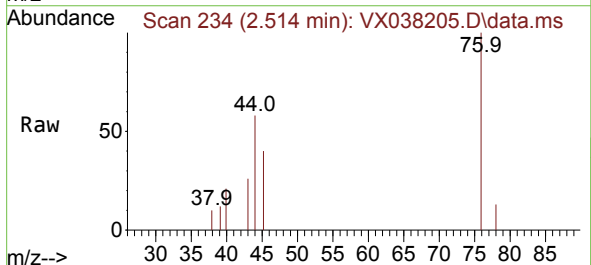
Instrument :
MSVOA_X
ClientSampleId :
GW-5-10-13

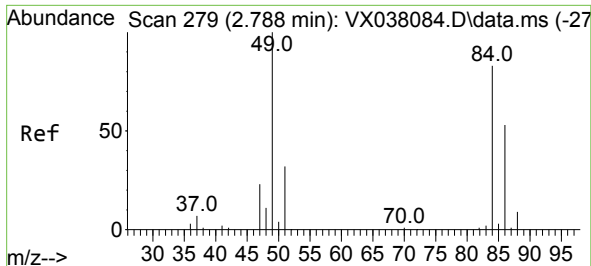
Tgt Ion: 43 Resp: 1583
Ion Ratio Lower Upper
43 100
58 47.9 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.234 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX038205.D
Acq: 10 Oct 2023 16:42

Tgt Ion: 76 Resp: 659
Ion Ratio Lower Upper
76 100
78 12.9 7.0 10.6#





#20

Methylene Chloride

Concen: 0.362 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX038205.D

Acq: 10 Oct 2023 16:42

Instrument :

MSVOA_X

ClientSampleId :

GW-5-10-13

Tgt Ion: 84 Resp: 488

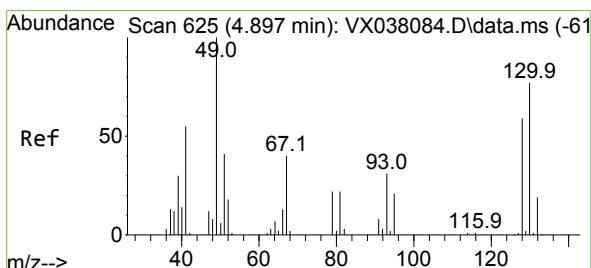
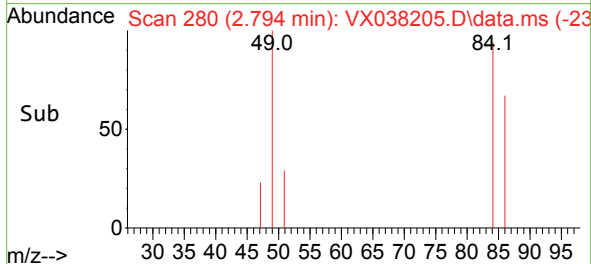
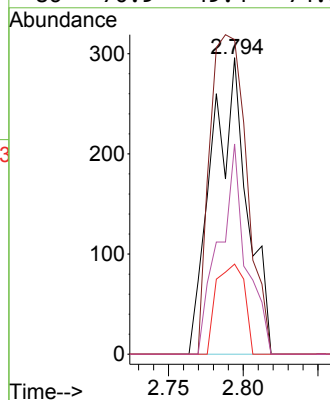
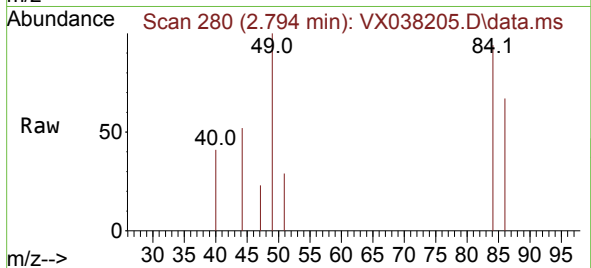
Ion Ratio Lower Upper

84 100

49 106.1 103.6 155.4

51 30.4 33.8 50.6#

86 70.9 49.4 74.0



#28

Bromochloromethane

Concen: 0.355 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.196 min

Lab File: VX038205.D

Acq: 10 Oct 2023 16:42

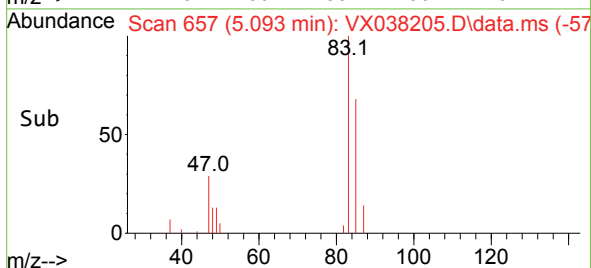
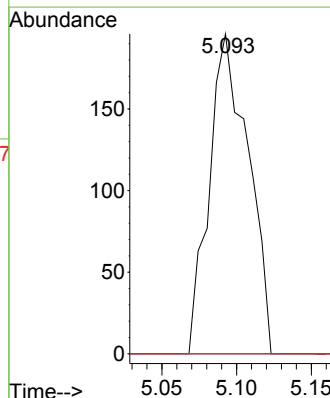
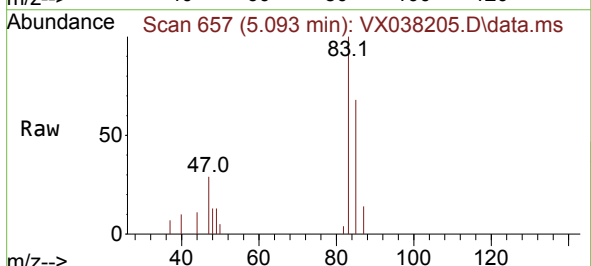
Tgt Ion: 49 Resp: 356

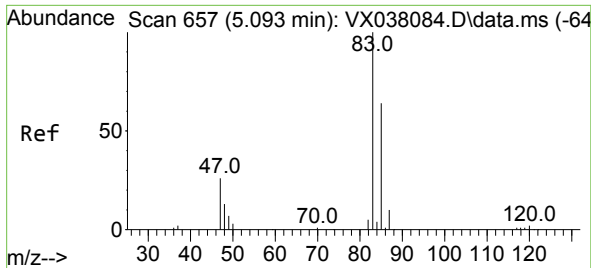
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 57.5 86.3#

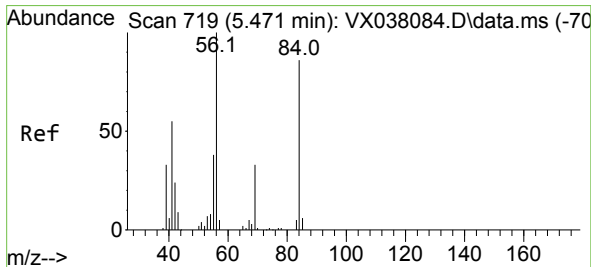
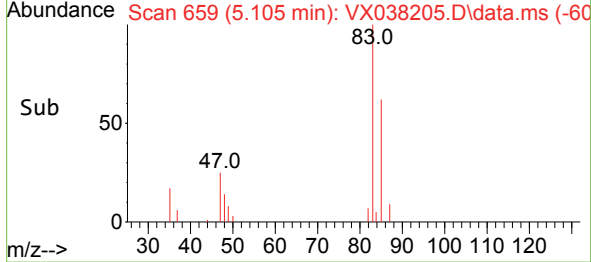
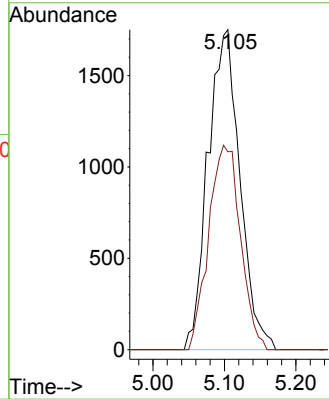
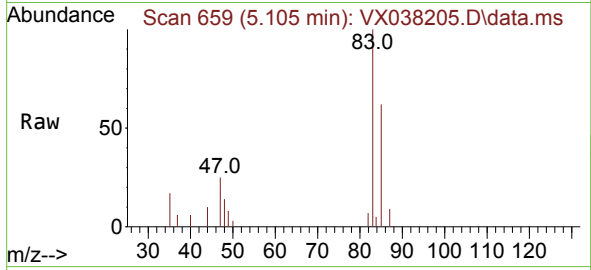




#30
Chloroform
Concen: 2.229 ug/l
RT: 5.105 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX038205.D
Acq: 10 Oct 2023 16:42

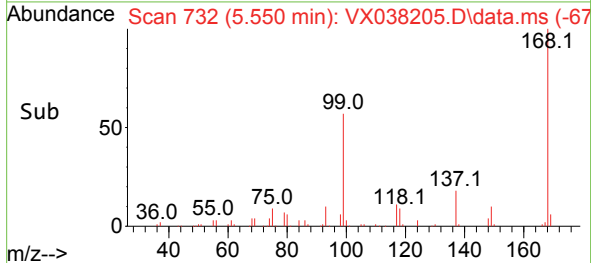
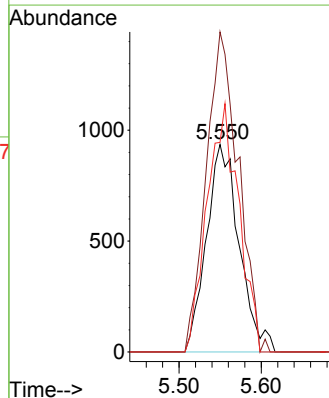
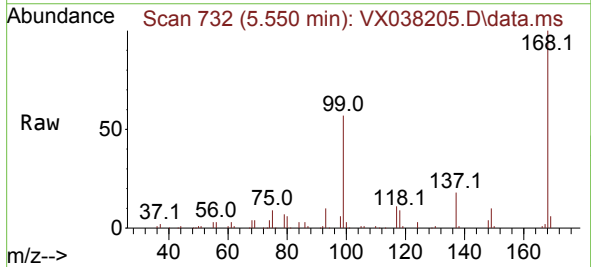
Instrument :
MSVOA_X
ClientSampleId :
GW-5-10-13

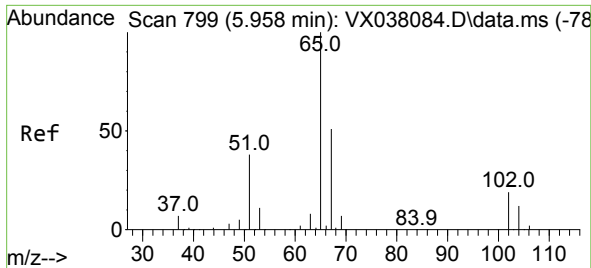
Tgt Ion: 83 Resp: 5421
Ion Ratio Lower Upper
83 100
85 61.9 50.3 75.5



#31
Cyclohexane
Concen: 1.390 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX038205.D
Acq: 10 Oct 2023 16:42

Tgt Ion: 56 Resp: 2587
Ion Ratio Lower Upper
56 100
69 154.2 23.4 35.2#
84 101.0 65.9 98.9#

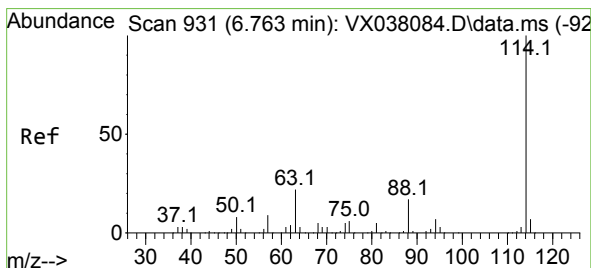
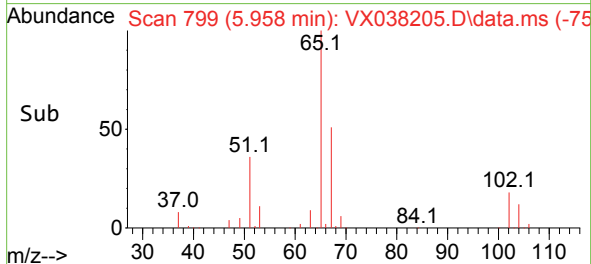
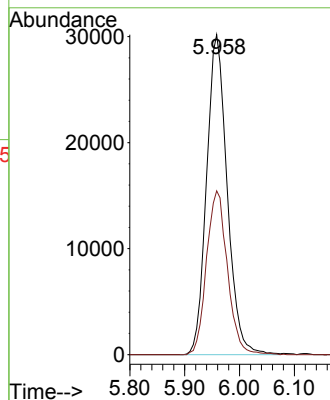
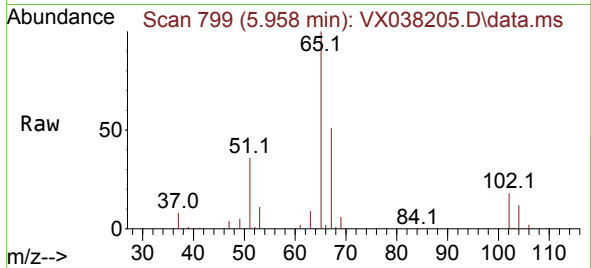




#33
 1,2-Dichloroethane-d4
 Concen: 45.761 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX038205.D
 Acq: 10 Oct 2023 16:42

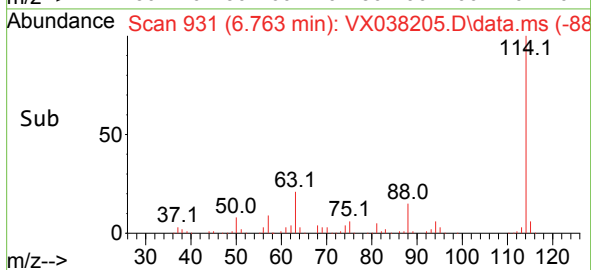
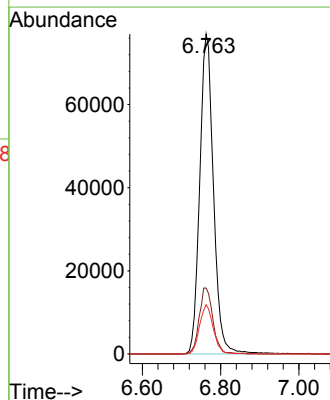
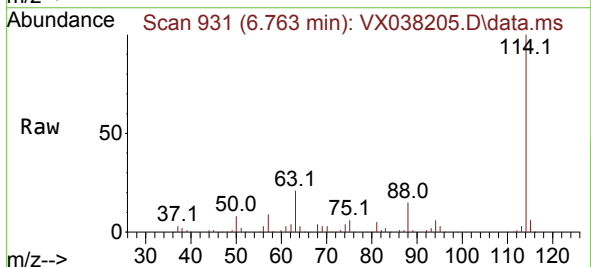
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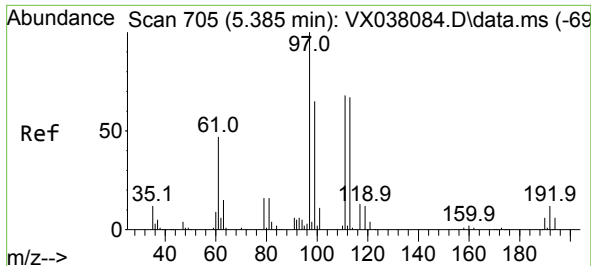
Tgt Ion: 65 Resp: 78634
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX038205.D
 Acq: 10 Oct 2023 16:42

Tgt Ion: 114 Resp: 187575
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 45.0
 88 15.4 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.114 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX038205.D

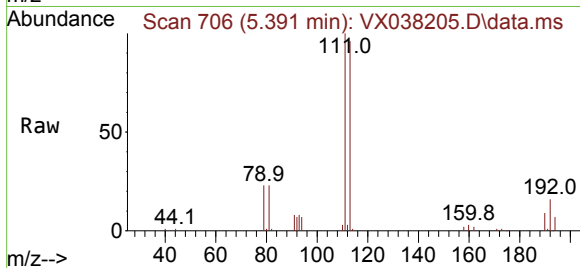
Acq: 10 Oct 2023 16:42

Instrument :

MSVOA_X

ClientSampleId :

GW-5-10-13



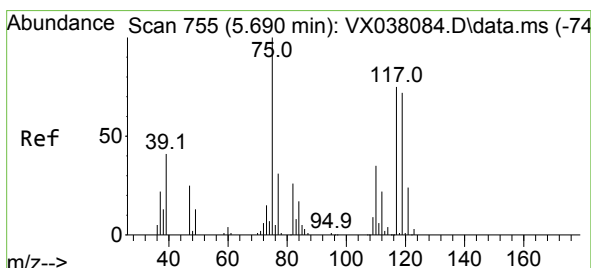
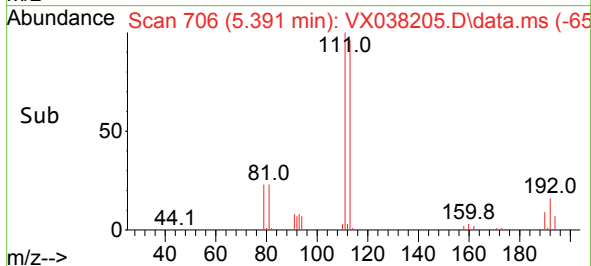
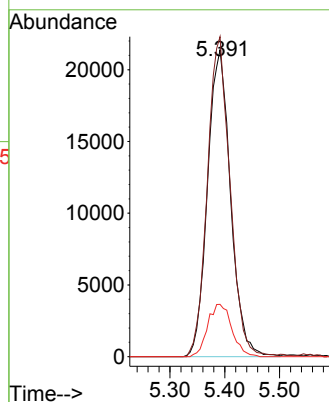
Tgt Ion:113 Resp: 62328

Ion Ratio Lower Upper

113 100

111 102.3 82.9 124.3

192 17.9 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.718 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX038205.D

Acq: 10 Oct 2023 16:42

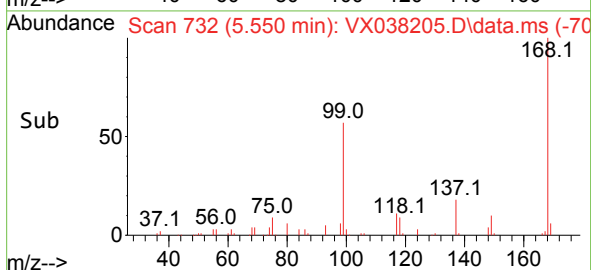
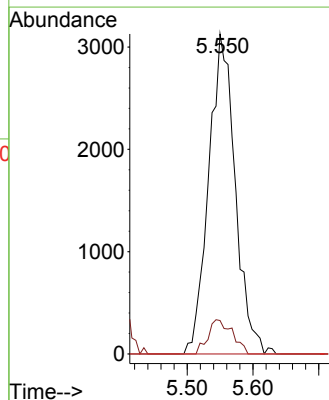
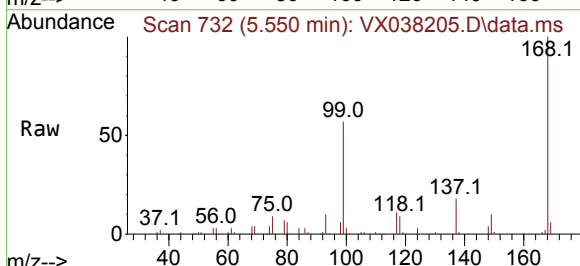
Tgt Ion: 75 Resp: 8794

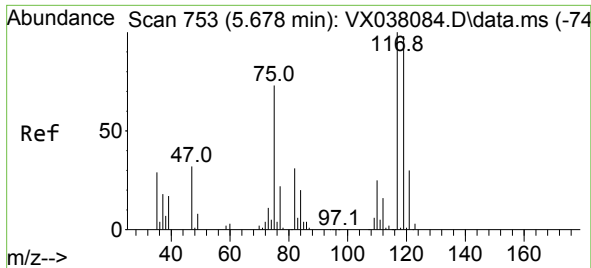
Ion Ratio Lower Upper

75 100

110 9.8 17.0 50.9#

77 0.0 24.7 37.1#

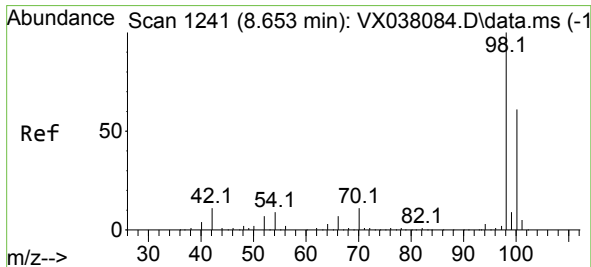
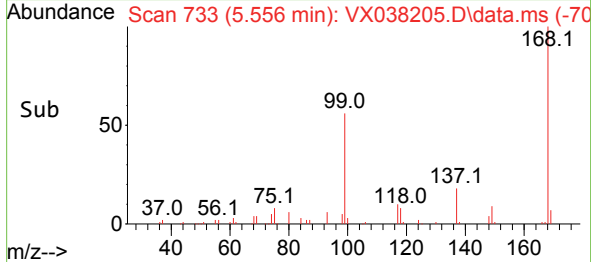
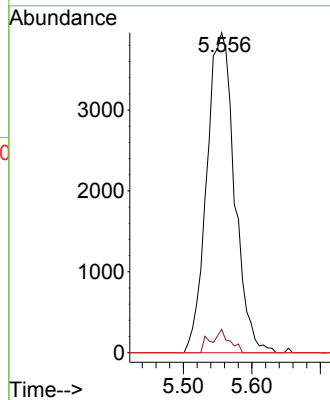
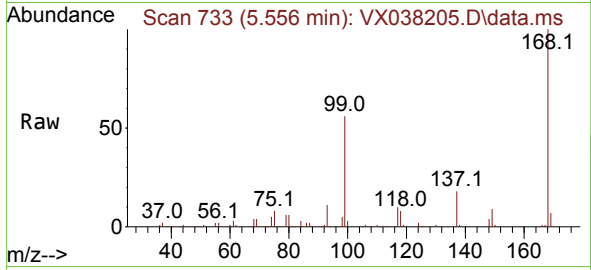




#38
Carbon Tetrachloride
Concen: 6.086 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX038205.D
Acq: 10 Oct 2023 16:42

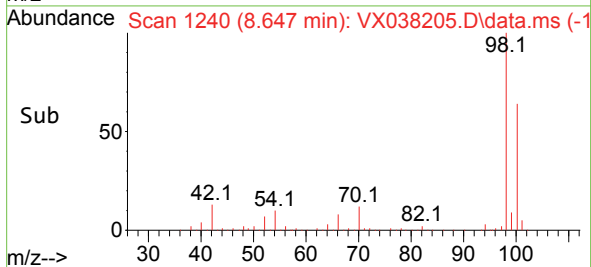
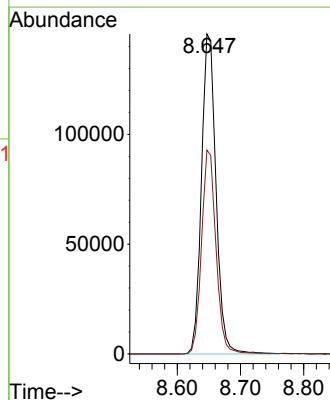
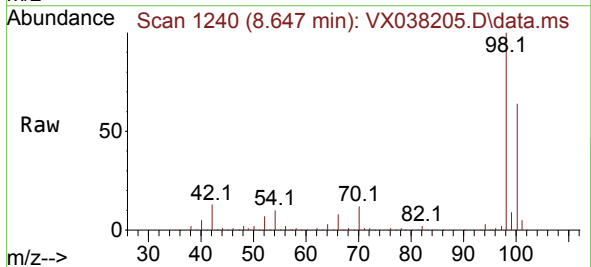
Instrument :
MSVOA_X
ClientSampleId :
GW-5-10-13

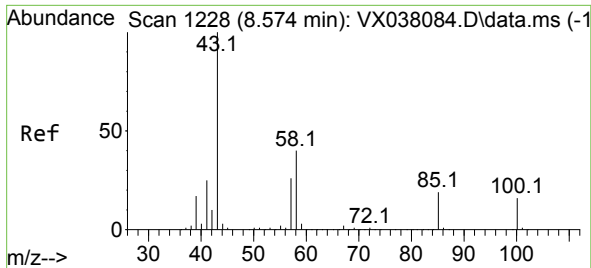
Tgt Ion:117 Resp: 11159
Ion Ratio Lower Upper
117 100
119 7.3 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 45.233 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038205.D
Acq: 10 Oct 2023 16:42

Tgt Ion: 98 Resp: 233618
Ion Ratio Lower Upper
98 100
100 63.4 53.1 79.7

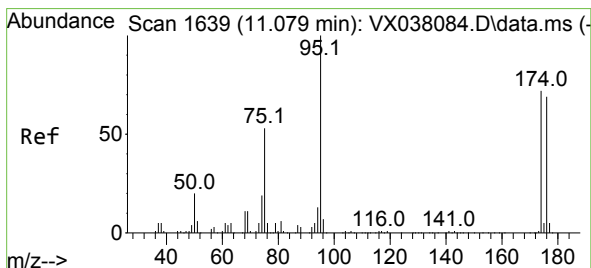
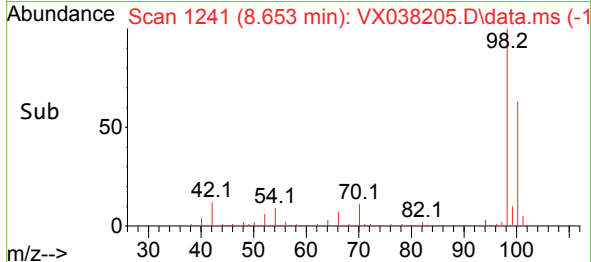
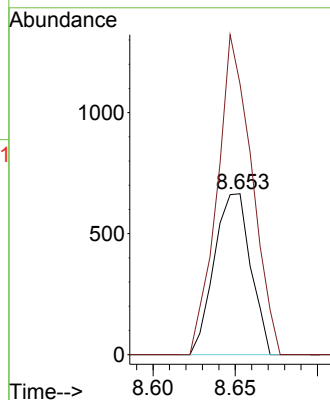
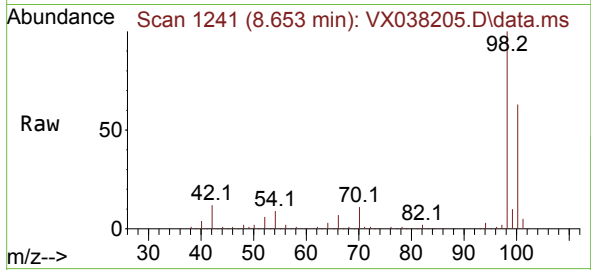




#51
4-Methyl-2-Pentanone
Concen: 0.450 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX038205.D
Acq: 10 Oct 2023 16:42

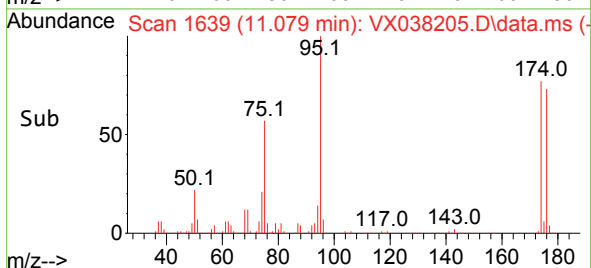
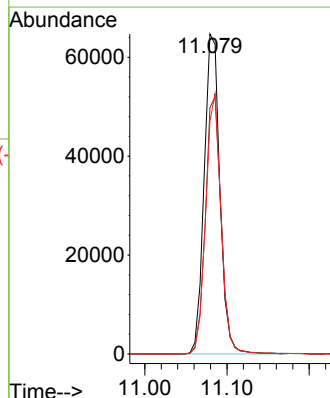
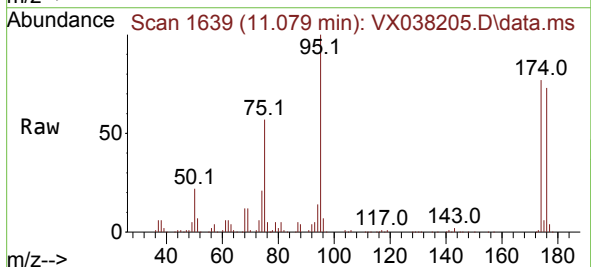
Instrument :
MSVOA_X
ClientSampleId :
GW-5-10-13

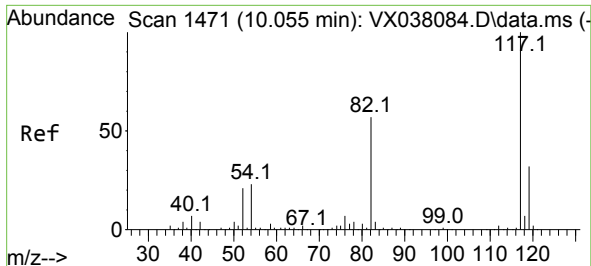
Tgt Ion: 43 Resp: 1026
Ion Ratio Lower Upper
43 100
58 188.9 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 43.805 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038205.D
Acq: 10 Oct 2023 16:42

Tgt Ion: 95 Resp: 85772
Ion Ratio Lower Upper
95 100
174 80.7 0.0 135.6
176 79.4 0.0 131.0

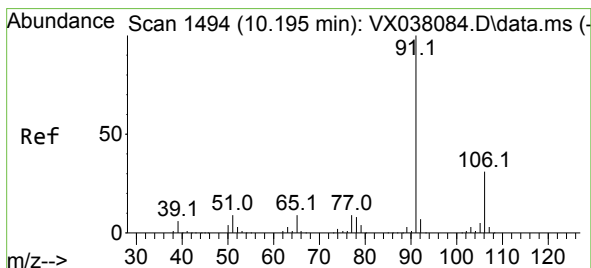
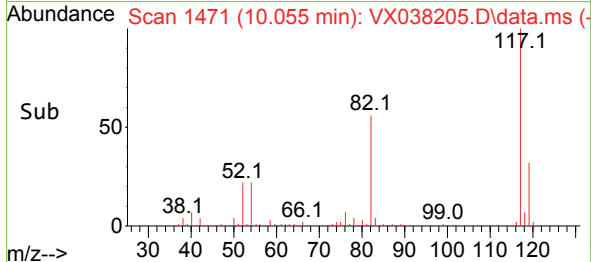
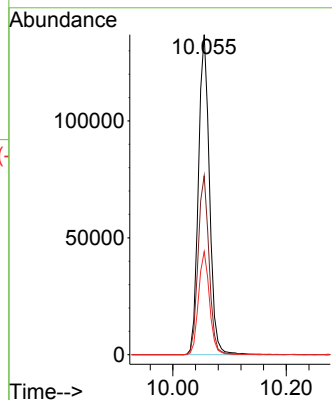
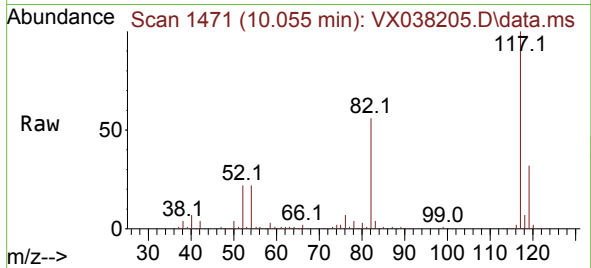




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038205.D
Acq: 10 Oct 2023 16:42

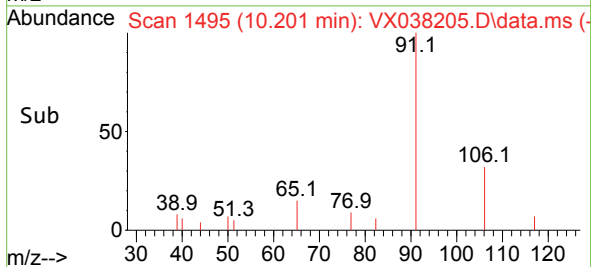
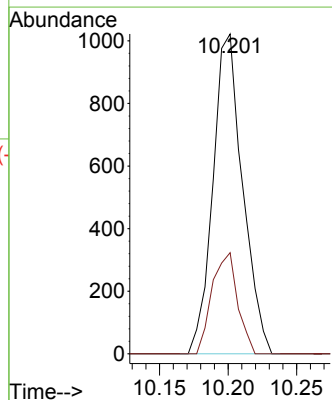
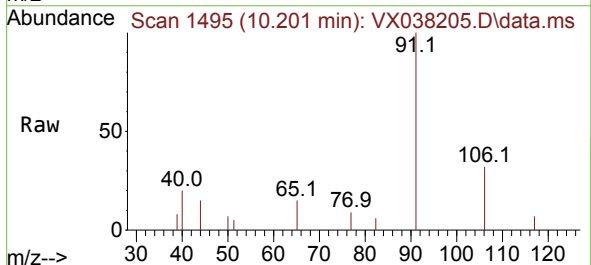
Instrument :
MSVOA_X
ClientSampleId :
GW-5-10-13

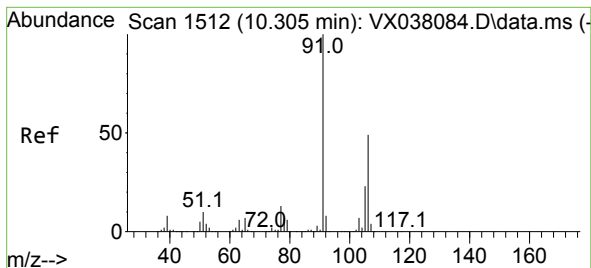
Tgt Ion:117 Resp: 184819
Ion Ratio Lower Upper
117 100
82 55.9 46.2 69.4
119 32.2 25.5 38.3



#67
Ethyl Benzene
Concen: 0.223 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX038205.D
Acq: 10 Oct 2023 16:42

Tgt Ion: 91 Resp: 1539
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3

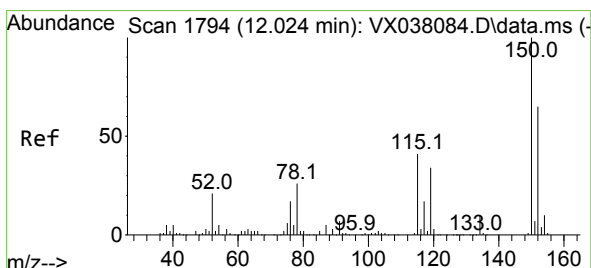
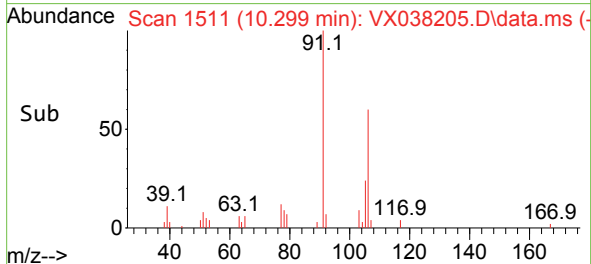
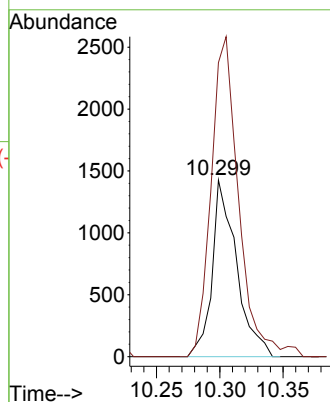
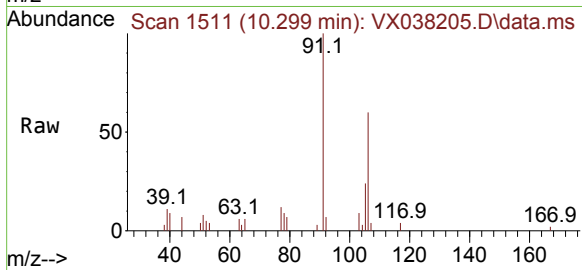




#68
m/p-Xylenes
Concen: 0.716 ug/l
RT: 10.299 min Scan# 1512
Delta R.T. -0.006 min
Lab File: VX038205.D
Acq: 10 Oct 2023 16:42

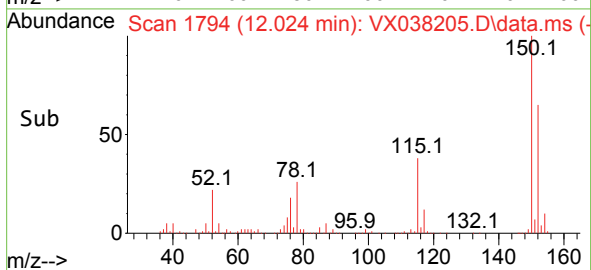
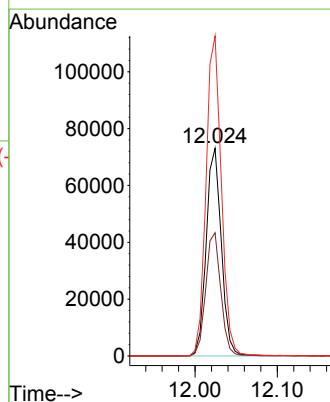
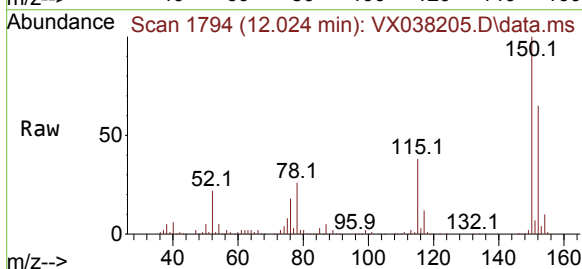
Instrument :
MSVOA_X
ClientSampleId :
GW-5-10-13

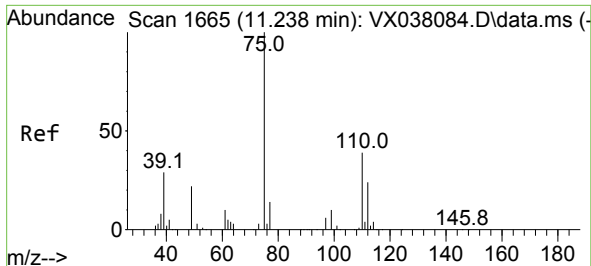
Tgt Ion:106 Resp: 1912
Ion Ratio Lower Upper
106 100
91 205.0 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038205.D
Acq: 10 Oct 2023 16:42

Tgt Ion:152 Resp: 93459
Ion Ratio Lower Upper
152 100
115 59.4 43.3 129.9
150 156.3 0.0 345.0

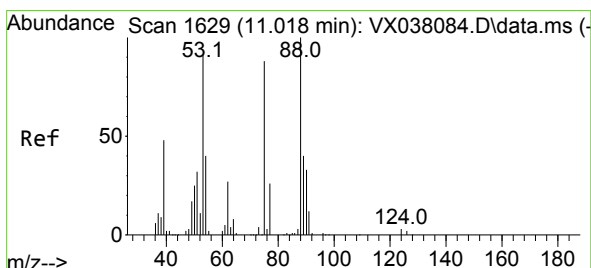
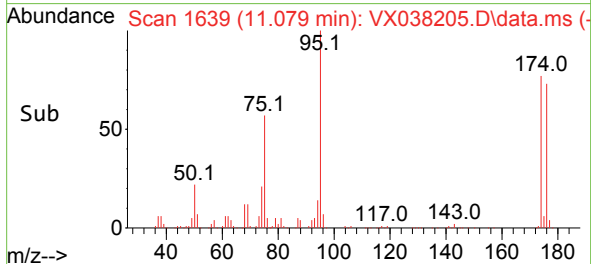
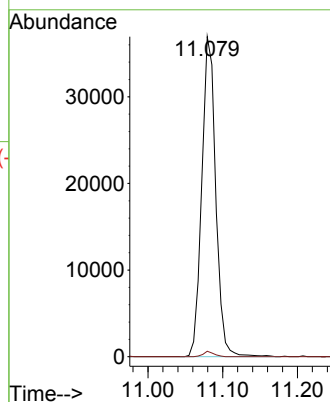
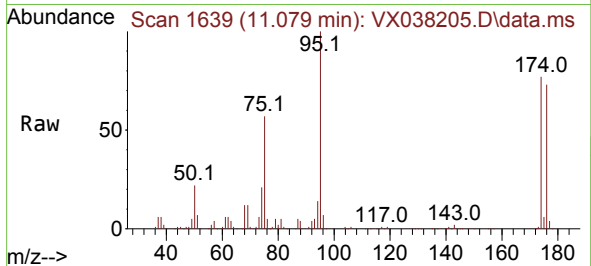




#76
1,2,3-Trichloropropane
Concen: 22.588 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX038205.D
Acq: 10 Oct 2023 16:42

Instrument :
MSVOA_X
ClientSampleId :
GW-5-10-13

Tgt Ion: 75 Resp: 47992
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.668 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038205.D
Acq: 10 Oct 2023 16:42

Tgt Ion: 75 Resp: 47992
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

