

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102023\
 Data File : VX038401.D
 Acq On : 20 Oct 2023 14:43
 Operator : JC/MD
 Sample : 04985-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-21-37-40

Quant Time: Oct 21 01:40:41 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)

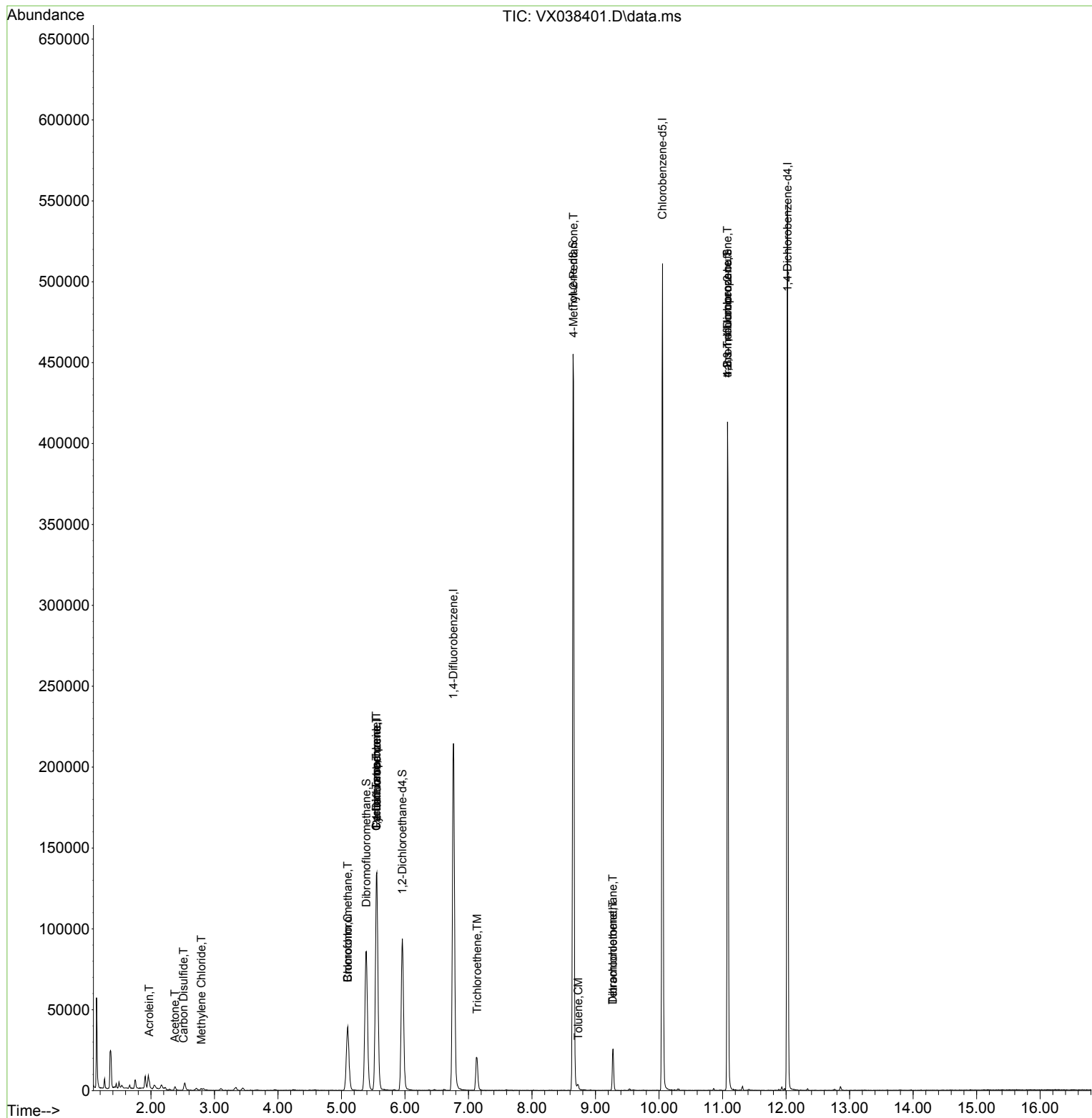
Internal Standards						
1) Pentafluorobenzene	5.556	168	125814	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	224245	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	89581	44.267	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.540%
35) Dibromofluoromethane	5.391	113	73367	45.405	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.820%
50) Toluene-d8	8.647	98	279869	45.327	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.660%#
62) 4-Bromofluorobenzene	11.079	95	104897	44.812	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.620%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	24	Below Cal	#	3
6) Chloroethane	1.758	64	25	Below Cal	#	43
13) Acrolein	1.971	56	198	0.688	ug/l #	1
16) Acetone	2.380	43	2166	2.565	ug/l #	76
17) Carbon Disulfide	2.514	76	798	0.241	ug/l #	88
20) Methylene Chloride	2.794	84	352	0.222	ug/l #	58
28) Bromochloromethane	5.099	49	3845	3.252	ug/l #	16
30) Chloroform	5.099	83	44452	15.523	ug/l	99
31) Cyclohexane	5.550	56	3026	1.380	ug/l #	20
36) 1,1-Dichloropropene	5.550	75	10301	4.623	ug/l #	51
38) Carbon Tetrachloride	5.550	117	13113	5.982	ug/l #	15
44) Trichloroethene	7.135	130	8360	5.129	ug/l	81
51) 4-Methyl-2-Pentanone	8.653	43	1280	0.470	ug/l #	1
52) Toluene	8.726	92	1127	0.278	ug/l	80
60) Dibromochloromethane	9.275	129	4345	2.557	ug/l #	11
64) Tetrachloroethene	9.275	164	4219	2.874	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	57364	21.703	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	57364	62.292	ug/l #	5

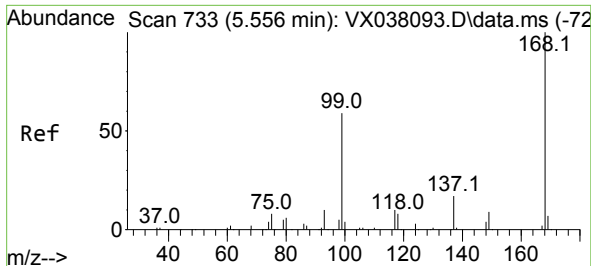
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

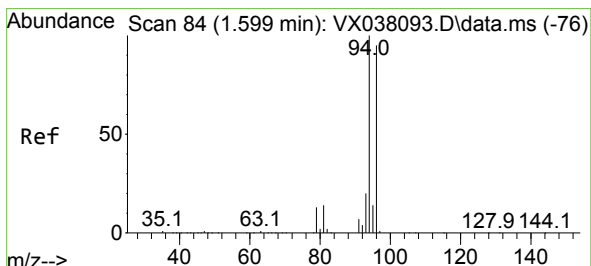
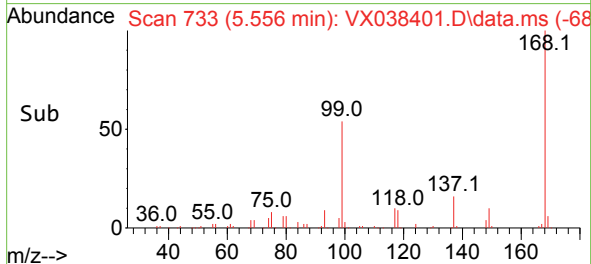
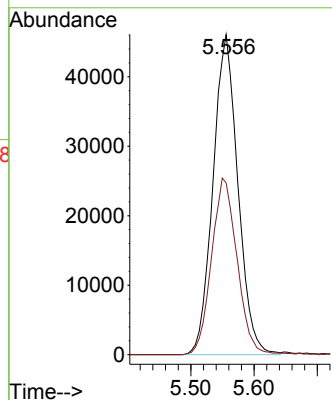
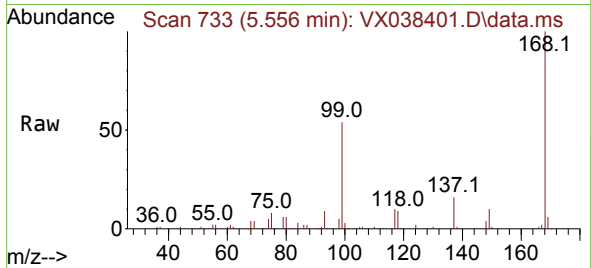




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038401.D
Acq: 20 Oct 2023 14:43

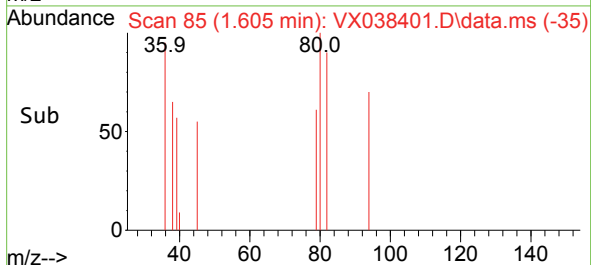
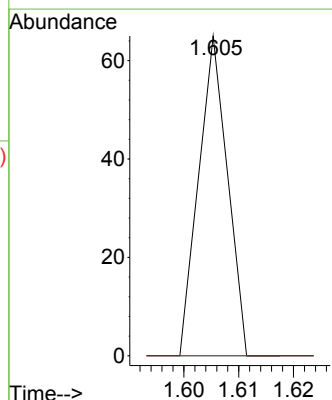
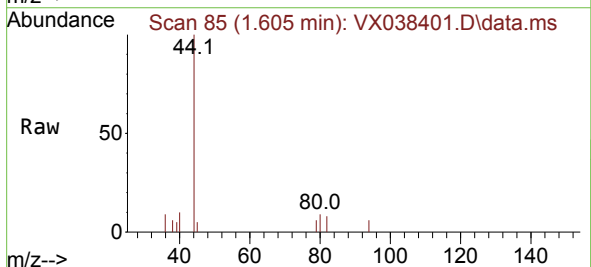
Instrument :
MSVOA_X
ClientSampleId :
GW-21-37-40

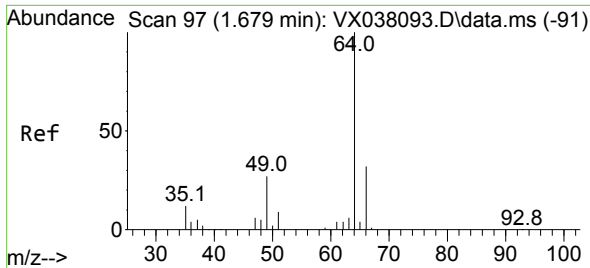
Tgt Ion:168 Resp: 125814
Ion Ratio Lower Upper
168 100
99 53.7 56.6 85.0#



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX038401.D
Acq: 20 Oct 2023 14:43

Tgt Ion: 94 Resp: 24
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

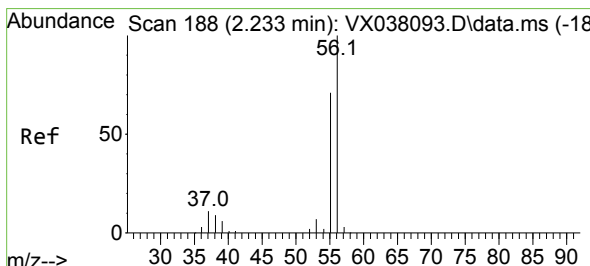
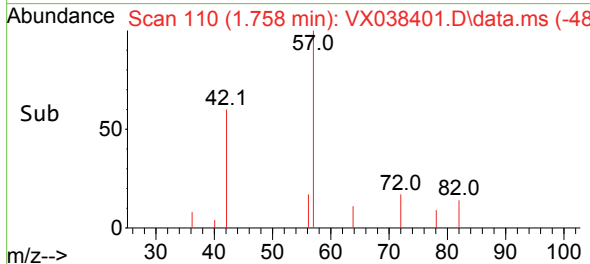
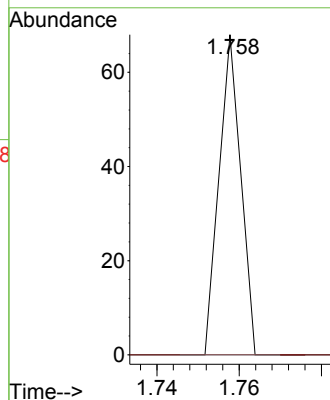
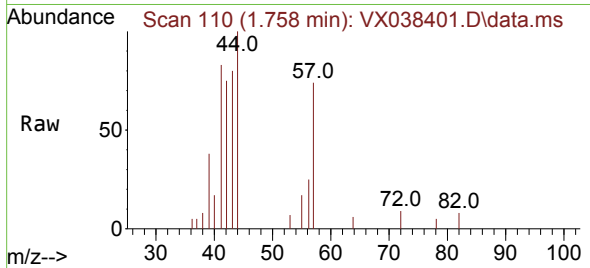




#6
Chloroethane
Concen: Below Cal
RT: 1.758 min Scan# 110
Delta R.T. 0.079 min
Lab File: VX038401.D
Acq: 20 Oct 2023 14:43

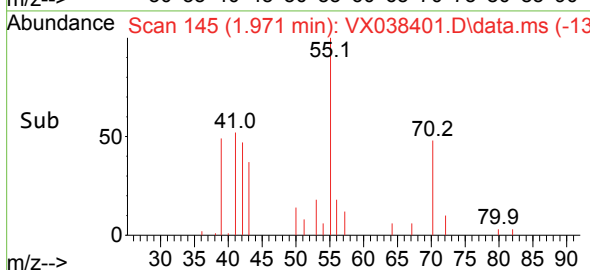
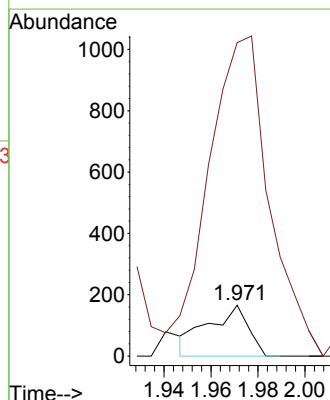
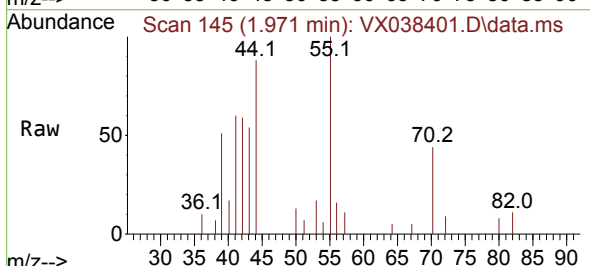
Instrument :
MSVOA_X
ClientSampleId :
GW-21-37-40

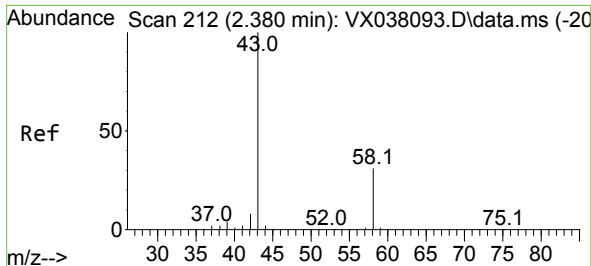
Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#13
Acrolein
Concen: 0.688 ug/l
RT: 1.971 min Scan# 145
Delta R.T. -0.262 min
Lab File: VX038401.D
Acq: 20 Oct 2023 14:43

Tgt Ion: 56 Resp: 198
Ion Ratio Lower Upper
56 100
55 921.7 57.1 85.7#

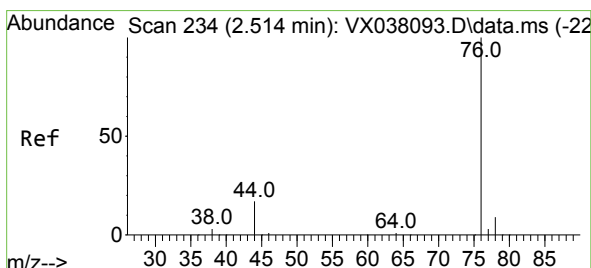
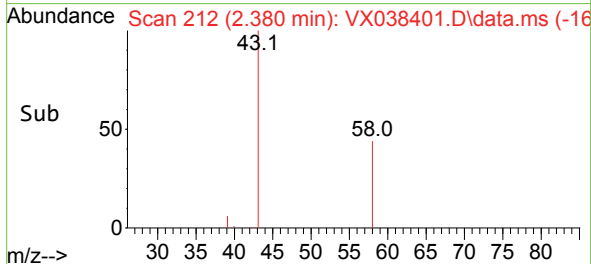
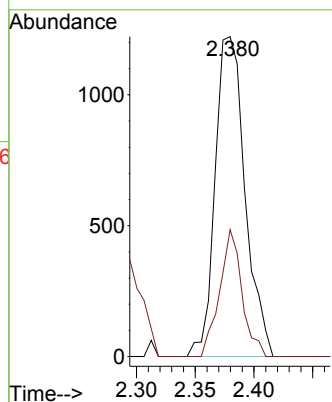
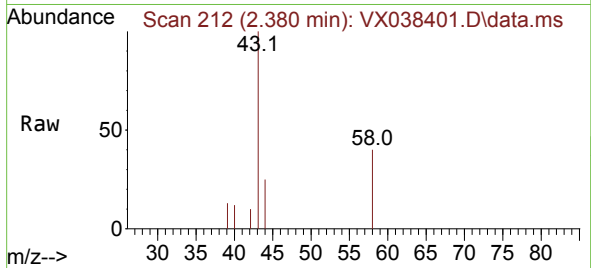




#16
Acetone
Concen: 2.565 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038401.D
Acq: 20 Oct 2023 14:43

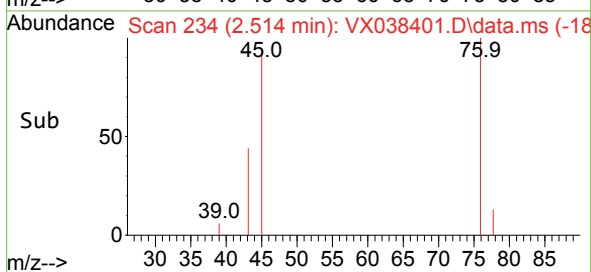
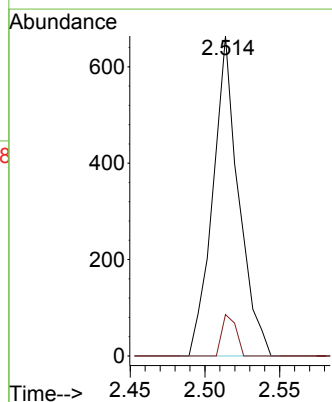
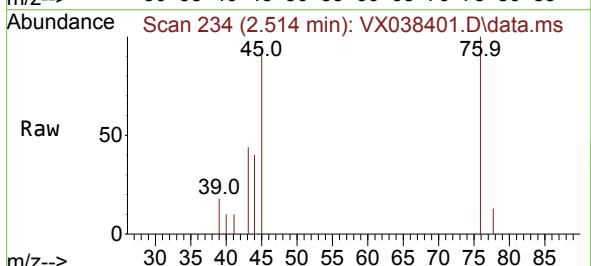
Instrument :
MSVOA_X
ClientSampleId :
GW-21-37-40

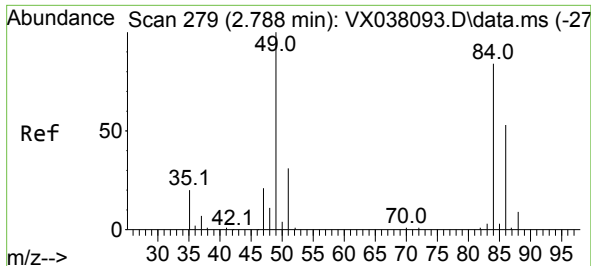
Tgt Ion: 43 Resp: 2166
Ion Ratio Lower Upper
43 100
58 39.7 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.241 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX038401.D
Acq: 20 Oct 2023 14:43

Tgt Ion: 76 Resp: 798
Ion Ratio Lower Upper
76 100
78 13.0 7.0 10.6#



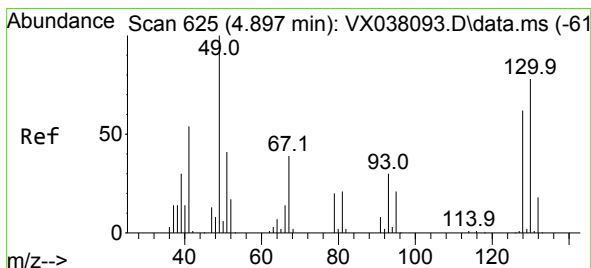
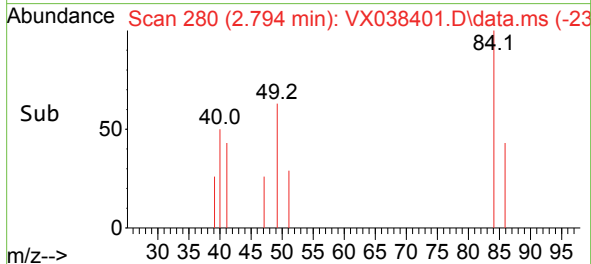
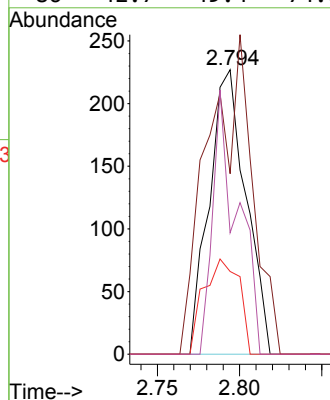
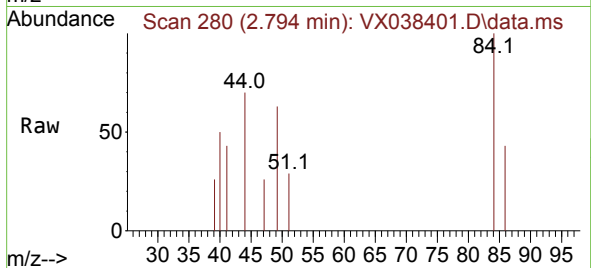


#20
Methylene Chloride
Concen: 0.222 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038401.D
Acq: 20 Oct 2023 14:43

Instrument :
MSVOA_X
ClientSampleId :
GW-21-37-40

Tgt Ion: 84 Resp: 352

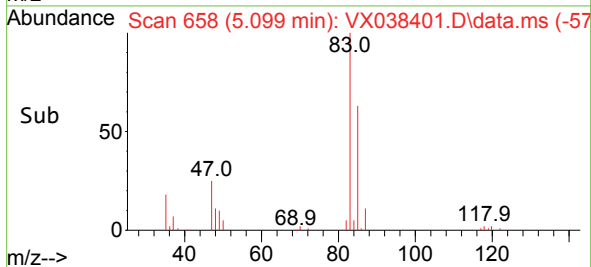
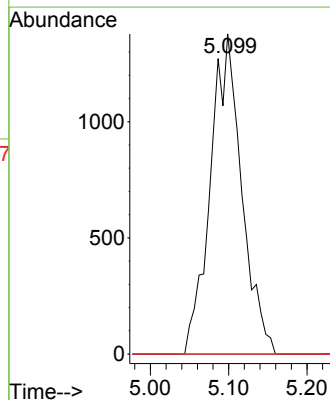
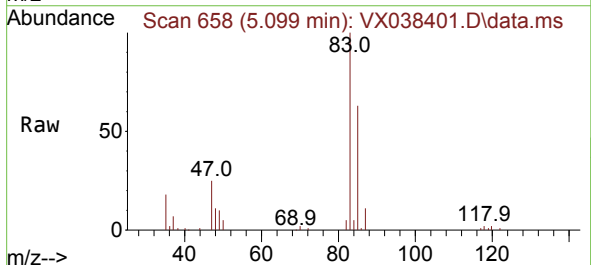
Ion	Ratio	Lower	Upper
84	100		
49	63.4	103.6	155.4#
51	29.1	33.8	50.6#
86	42.7	49.4	74.0#

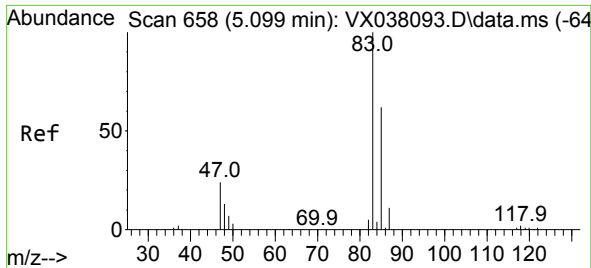


#28
Bromochloromethane
Concen: 3.252 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.202 min
Lab File: VX038401.D
Acq: 20 Oct 2023 14:43

Tgt Ion: 49 Resp: 3845

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	57.5	86.3#

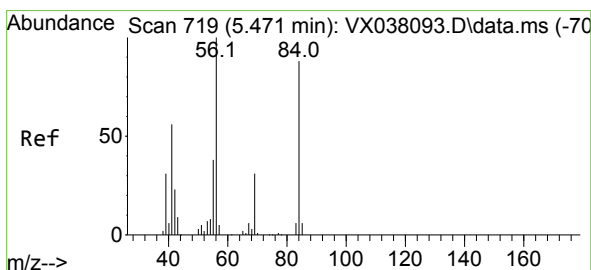
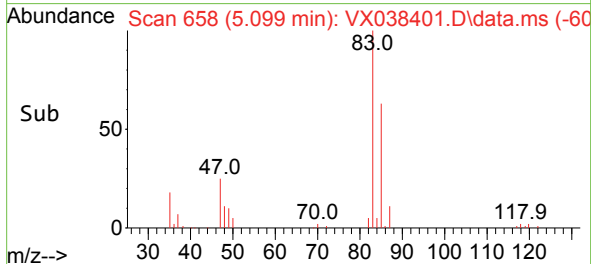
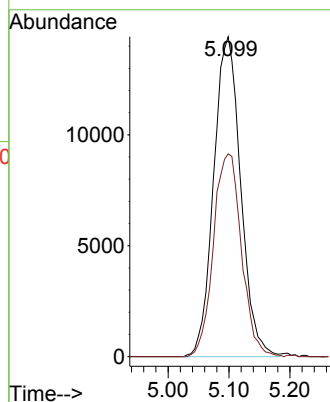
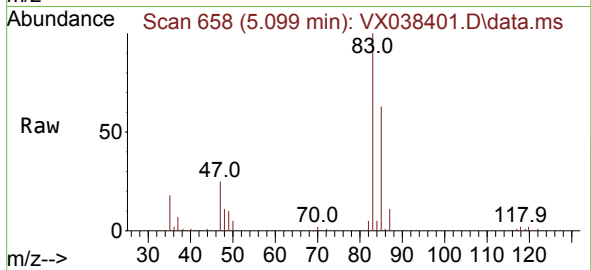




#30
Chloroform
Concen: 15.523 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX038401.D
Acq: 20 Oct 2023 14:43

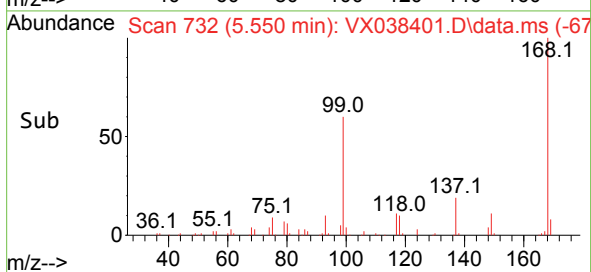
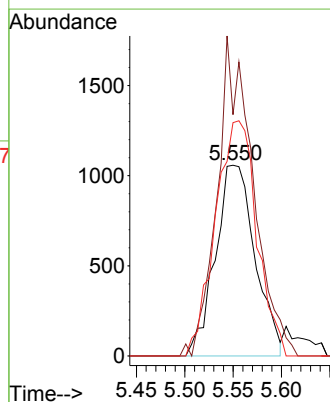
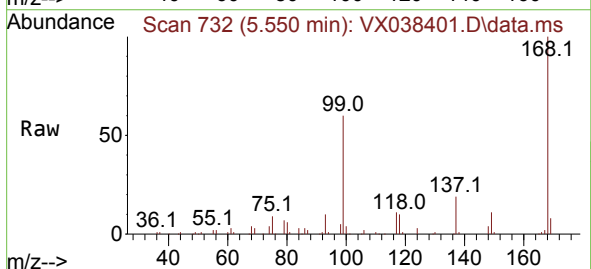
Instrument :
MSVOA_X
ClientSampleId :
GW-21-37-40

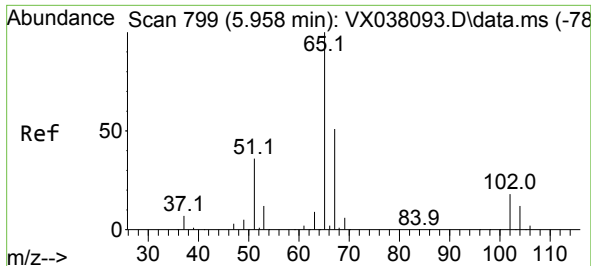
Tgt Ion: 83 Resp: 44452
Ion Ratio Lower Upper
83 100
85 63.4 50.3 75.5



#31
Cyclohexane
Concen: 1.380 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX038401.D
Acq: 20 Oct 2023 14:43

Tgt Ion: 56 Resp: 3026
Ion Ratio Lower Upper
56 100
69 126.5 23.4 35.2#
84 122.3 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 44.267 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038401.D

Acq: 20 Oct 2023 14:43

Instrument :

MSVOA_X

ClientSampleId :

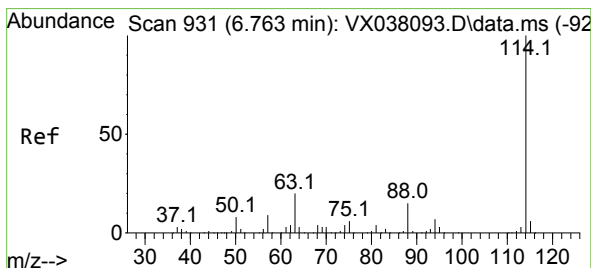
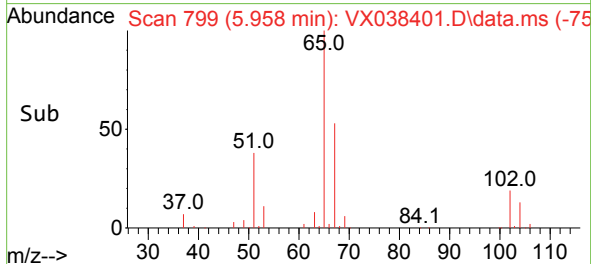
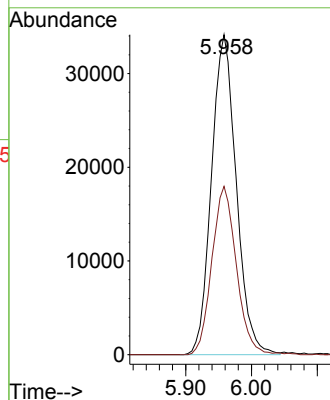
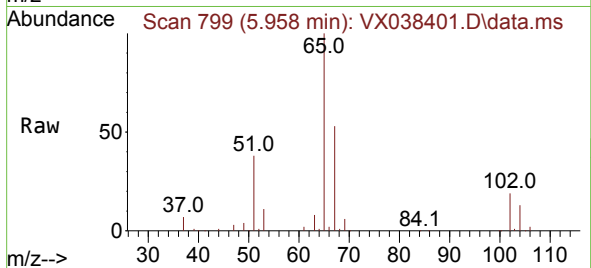
GW-21-37-40

Tgt Ion: 65 Resp: 89581

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: VX038401.D

Acq: 20 Oct 2023 14:43

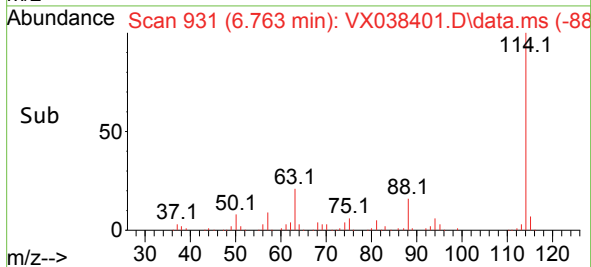
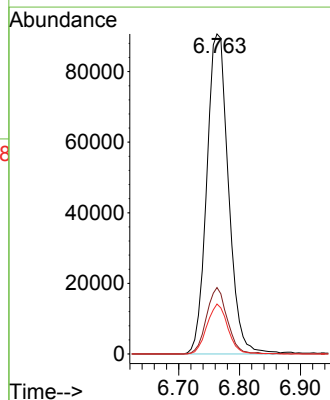
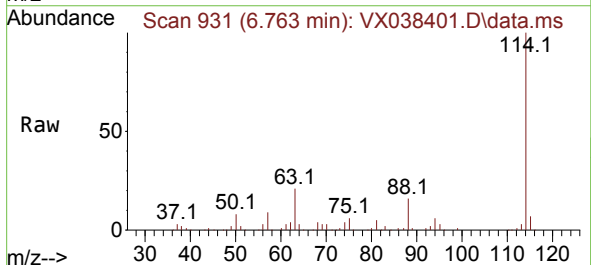
Tgt Ion: 114 Resp: 224245

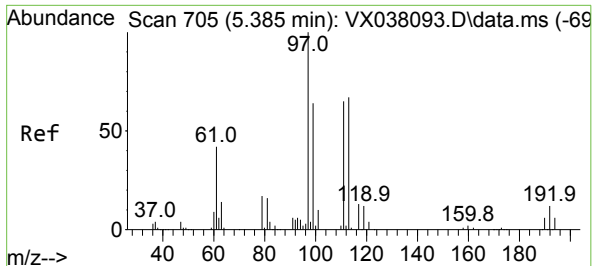
Ion Ratio Lower Upper

114 100

63 20.7 0.0 45.0

88 15.6 0.0 36.6

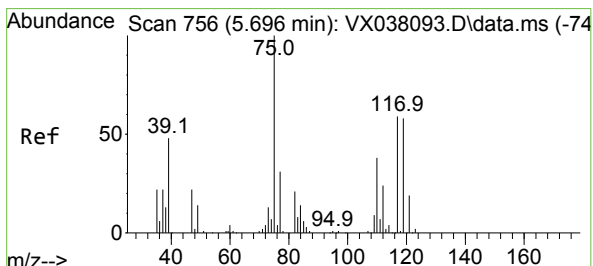
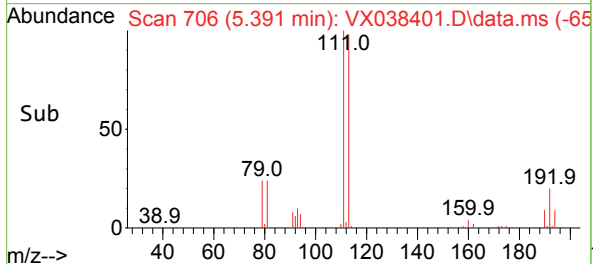
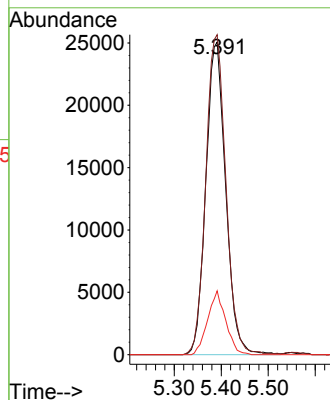
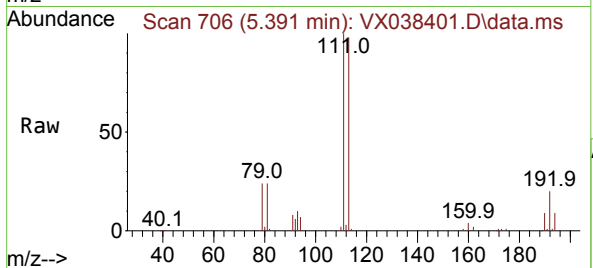




#35
 Dibromofluoromethane
 Concen: 45.405 ug/l
 RT: 5.391 min Scan# 705
 Delta R.T. 0.006 min
 Lab File: VX038401.D
 Acq: 20 Oct 2023 14:43

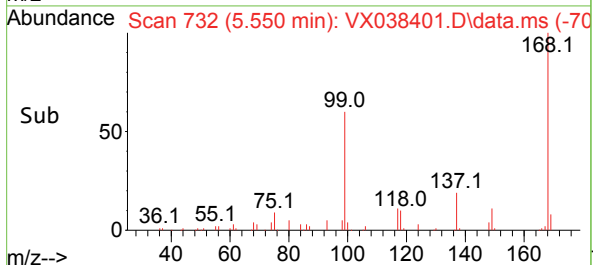
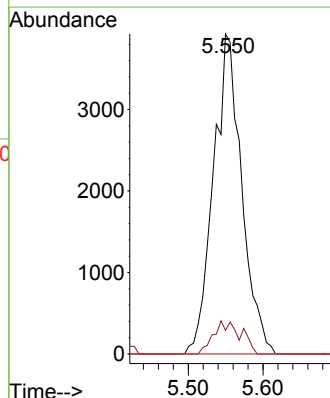
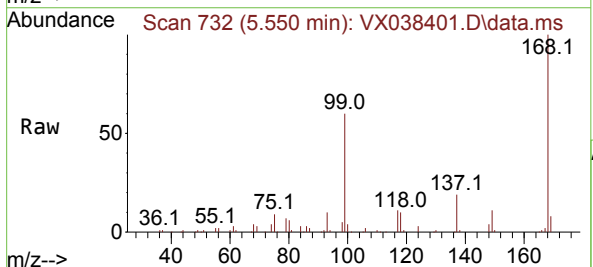
Instrument :
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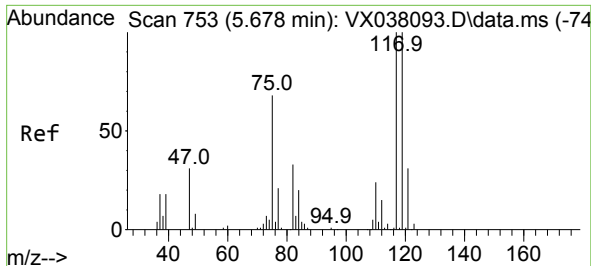
Tgt Ion:113 Resp: 73367
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.9 124.3
 192 18.6 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 4.623 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.140 min
 Lab File: VX038401.D
 Acq: 20 Oct 2023 14:43

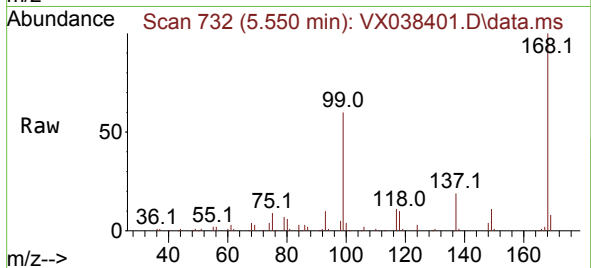
Tgt Ion: 75 Resp: 10301
 Ion Ratio Lower Upper
 75 100
 110 10.0 17.0 50.9#
 77 0.0 24.7 37.1#



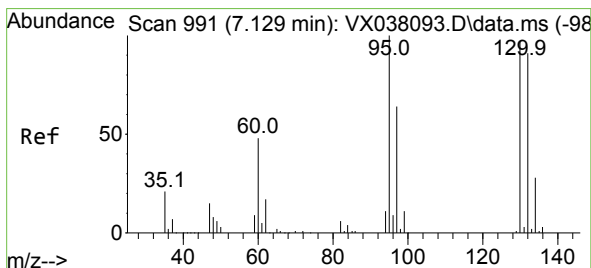
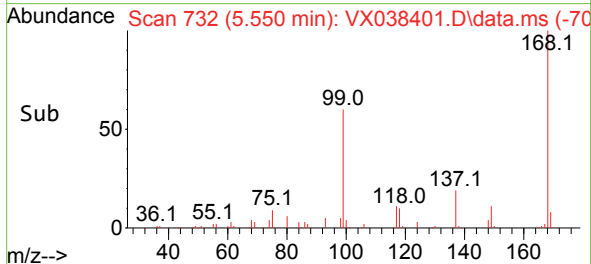
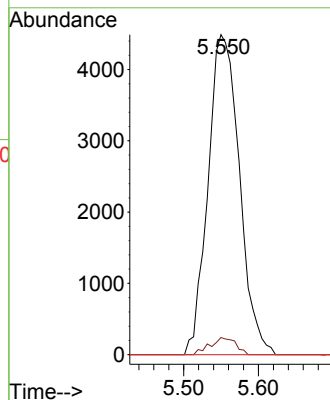


#38
Carbon Tetrachloride
Concen: 5.982 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038401.D
Acq: 20 Oct 2023 14:43

Instrument :
MSVOA_X
ClientSampleId :
GW-21-37-40

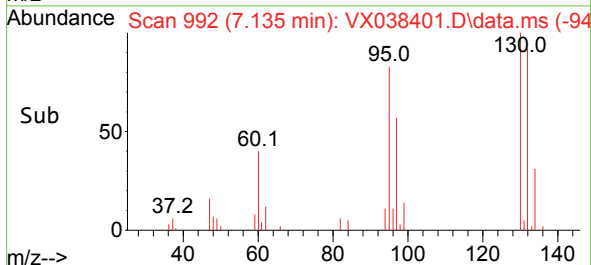
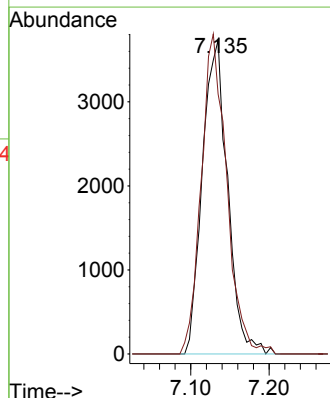
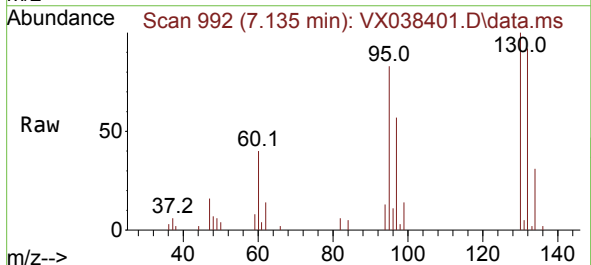


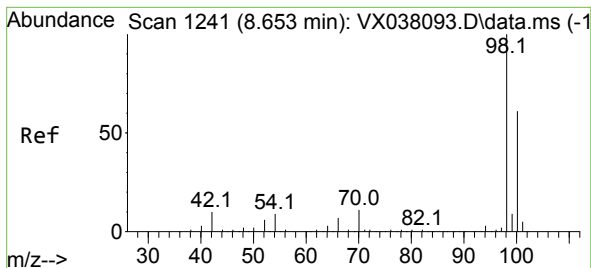
Tgt Ion:117 Resp: 13113
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 5.129 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX038401.D
Acq: 20 Oct 2023 14:43

Tgt Ion:130 Resp: 8360
Ion Ratio Lower Upper
130 100
95 82.8 0.0 204.4





#50

Toluene-d8

Concen: 45.327 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX038401.D

Acq: 20 Oct 2023 14:43

Instrument :

MSVOA_X

ClientSampleId :

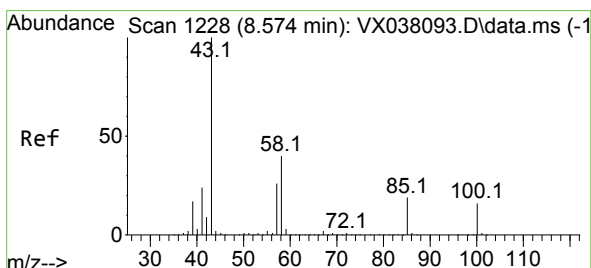
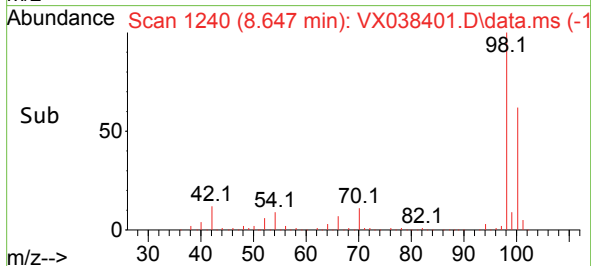
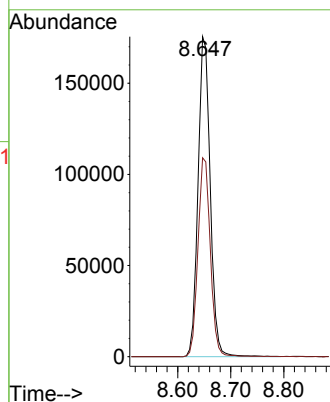
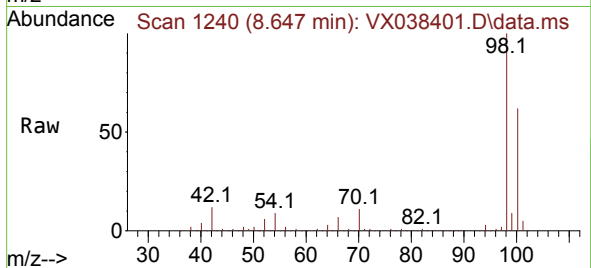
GW-21-37-40

Tgt Ion: 98 Resp: 279869

Ion Ratio Lower Upper

98 100

100 63.2 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.470 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX038401.D

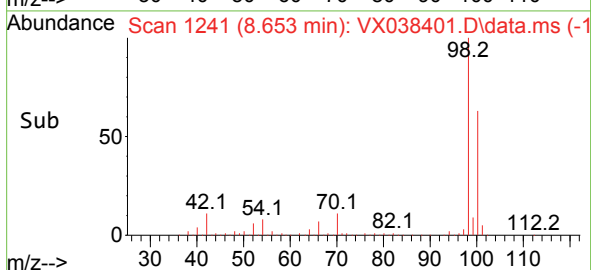
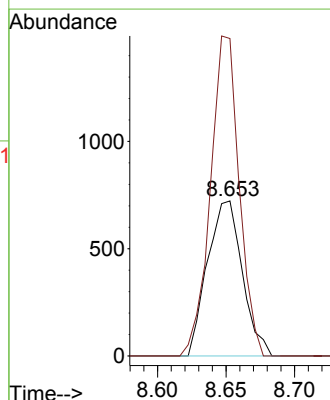
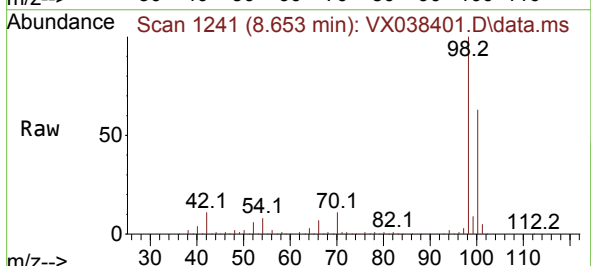
Acq: 20 Oct 2023 14:43

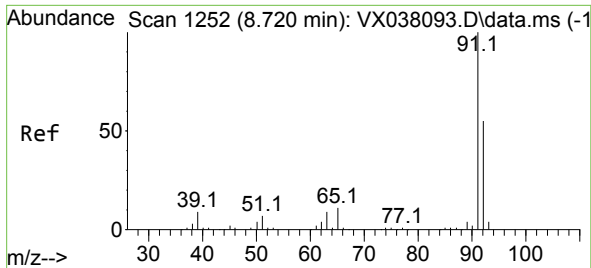
Tgt Ion: 43 Resp: 1280

Ion Ratio Lower Upper

43 100

58 170.5 30.4 45.6#

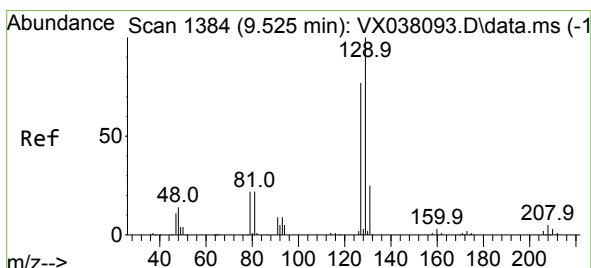
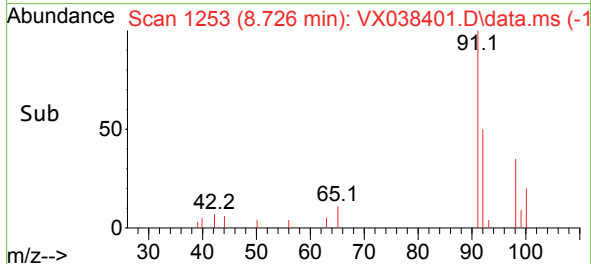
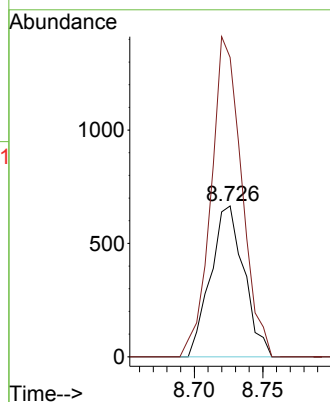
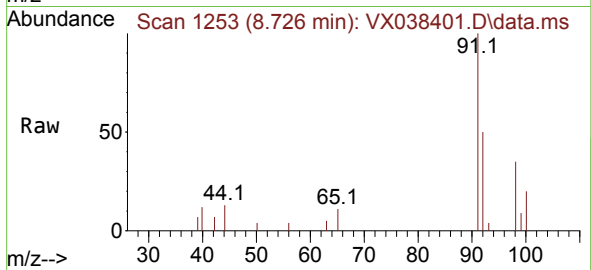




#52
Toluene
Concen: 0.278 ug/l
RT: 8.726 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VX038401.D
Acq: 20 Oct 2023 14:43

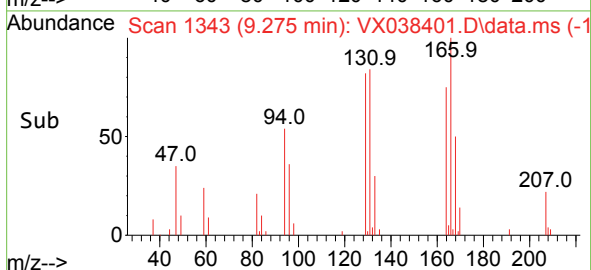
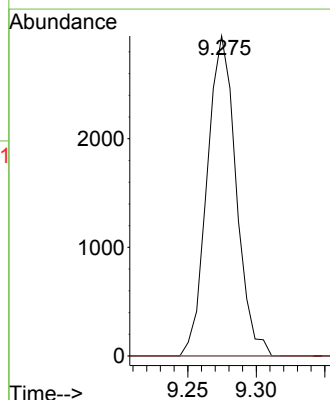
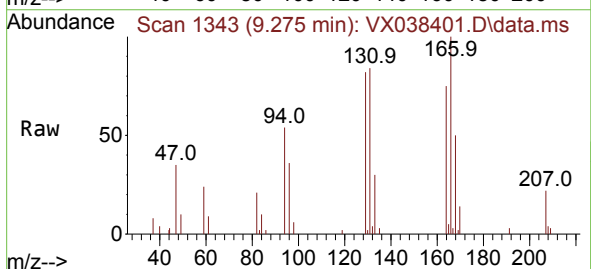
Instrument :
MSVOA_X
ClientSampleId :
GW-21-37-40

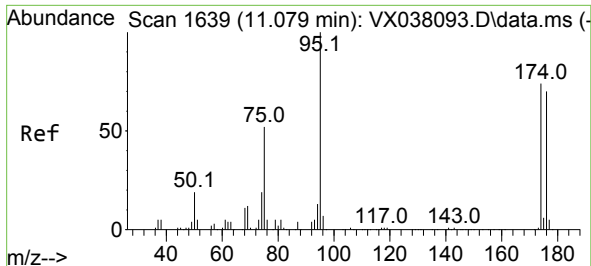
Tgt Ion: 92 Resp: 1127
Ion Ratio Lower Upper
92 100
91 194.8 134.2 201.2



#60
Dibromochloromethane
Concen: 2.557 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX038401.D
Acq: 20 Oct 2023 14:43

Tgt Ion: 129 Resp: 4345
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

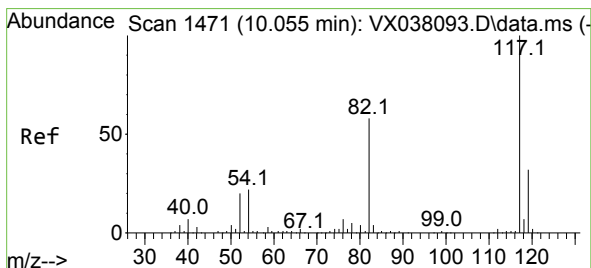
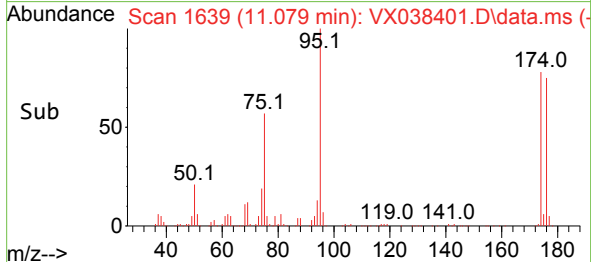
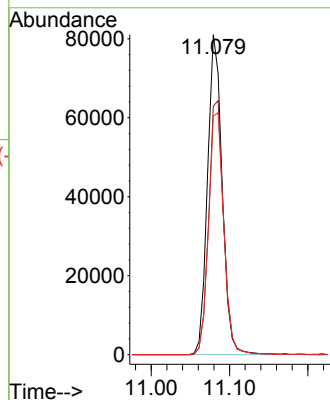
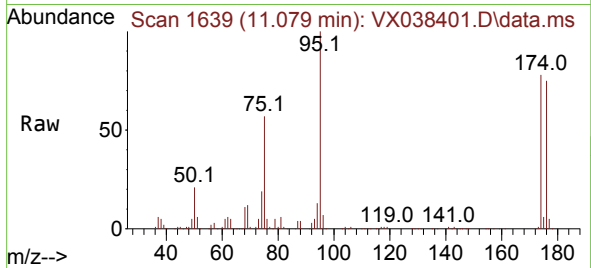




#62
4-Bromofluorobenzene
Concen: 44.812 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038401.D
Acq: 20 Oct 2023 14:43

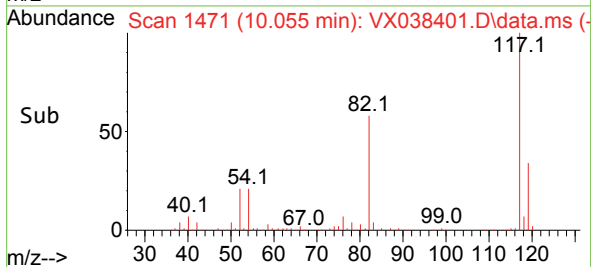
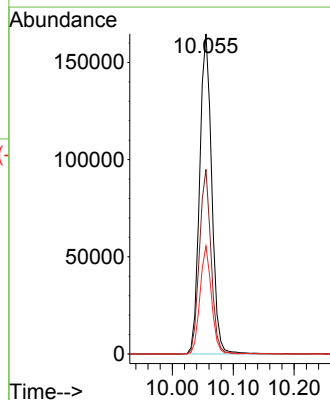
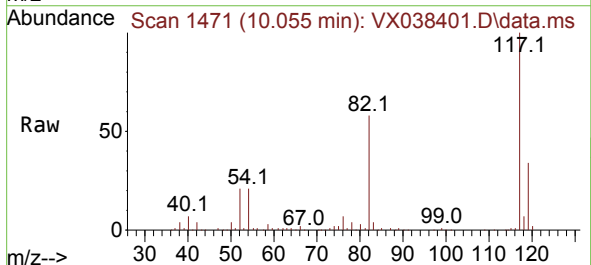
Instrument :
MSVOA_X
ClientSampleId :
GW-21-37-40

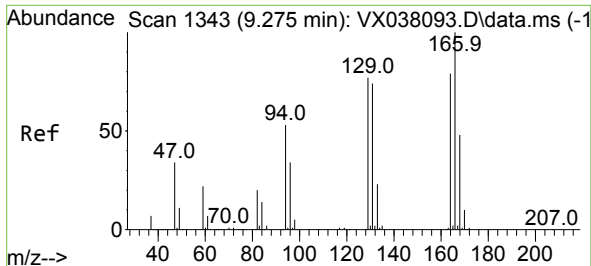
Tgt Ion: 95 Resp: 104897
Ion Ratio Lower Upper
95 100
174 81.8 0.0 135.6
176 78.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038401.D
Acq: 20 Oct 2023 14:43

Tgt Ion: 117 Resp: 226752
Ion Ratio Lower Upper
117 100
82 57.7 46.2 69.4
119 33.7 25.5 38.3



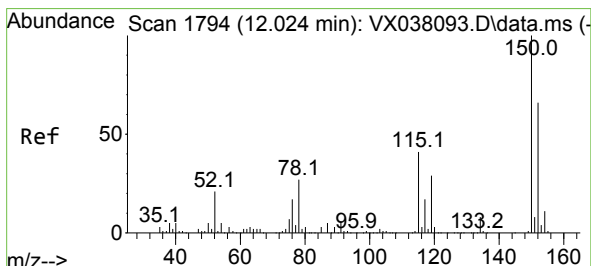
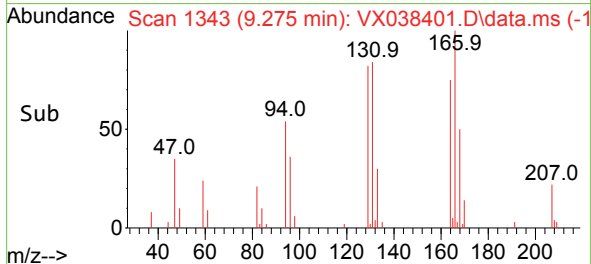
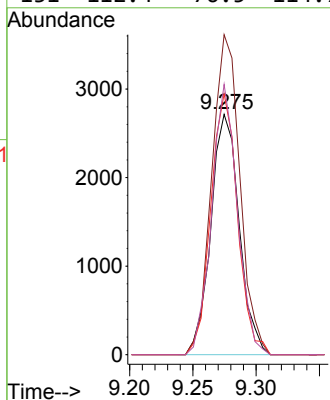
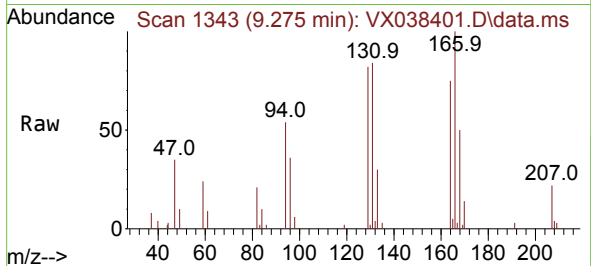


#64
Tetrachloroethene
Concen: 2.874 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038401.D
Acq: 20 Oct 2023 14:43

Instrument :
MSVOA_X
ClientSampleId :
GW-21-37-40

Tgt Ion:164 Resp: 4219

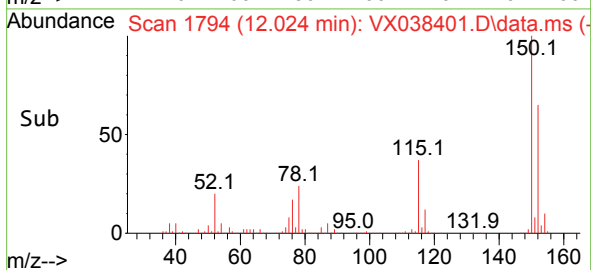
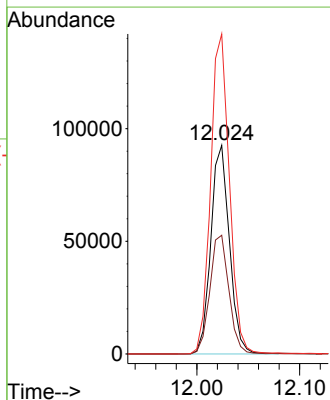
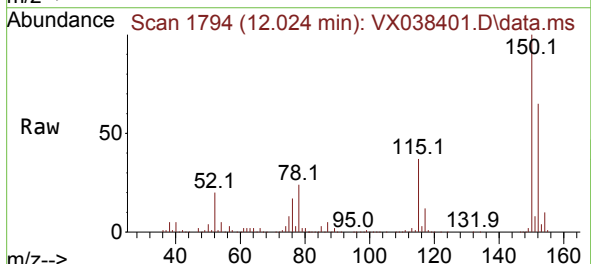
Ion	Ratio	Lower	Upper
164	100		
166	133.1	102.7	154.1
129	108.5	80.4	120.6
131	112.4	76.5	114.7

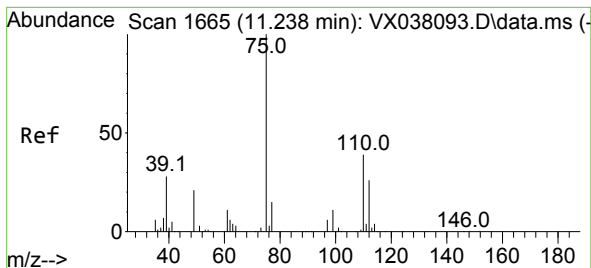


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038401.D
Acq: 20 Oct 2023 14:43

Tgt Ion:152 Resp: 116266

Ion	Ratio	Lower	Upper
152	100		
115	58.5	43.3	129.9
150	155.7	0.0	345.0





#76

1,2,3-Trichloropropane

Concen: 21.703 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038401.D

Acq: 20 Oct 2023 14:43

Instrument :

MSVOA_X

ClientSampleId :

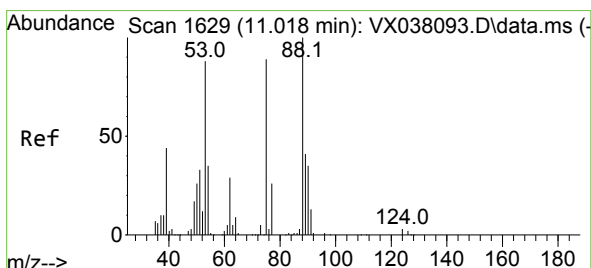
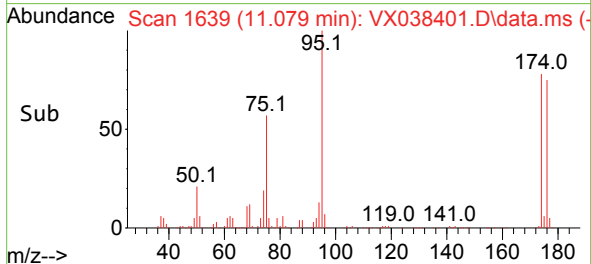
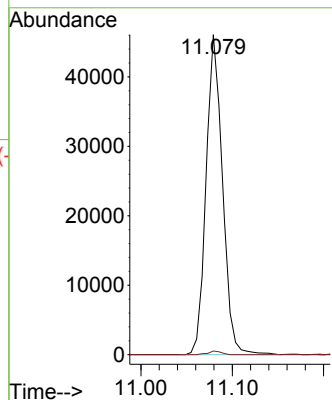
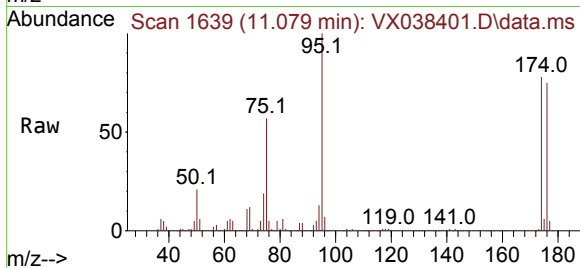
GW-21-37-40

Tgt Ion: 75 Resp: 57364

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.292 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038401.D

Acq: 20 Oct 2023 14:43

Tgt Ion: 75 Resp: 57364

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

