

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101023\
 Data File : VX038201.D
 Acq On : 10 Oct 2023 15:09
 Operator : JC/MD
 Sample : 04782-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-4-10-13

Quant Time: Oct 11 01:38:48 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	106739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	190710	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	190904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79284	46.180	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.360%
35) Dibromofluoromethane	5.391	113	62429	45.430	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.860%
50) Toluene-d8	8.653	98	243223	46.318	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.640%
62) 4-Bromofluorobenzene	11.079	95	88690	44.551	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.100%
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	266	0.253	ug/l #	87
4) Vinyl Chloride	1.374	62	359	0.308	ug/l #	48
5) Bromomethane	1.581	94	21	Below Cal	#	3
6) Chloroethane	1.685	64	41	Below Cal	#	43
13) Acrolein	2.239	56	61	0.250	ug/l #	1
16) Acetone	2.380	43	1327	1.852	ug/l	96
17) Carbon Disulfide	2.514	76	992	0.352	ug/l #	76
20) Methylene Chloride	2.794	84	399	0.296	ug/l #	68
31) Cyclohexane	5.544	56	2787	1.498	ug/l #	52
36) 1,1-Dichloropropene	5.550	75	8836	4.663	ug/l #	51
38) Carbon Tetrachloride	5.556	117	11297	6.060	ug/l #	17
44) Trichloroethene	7.129	130	855	0.617	ug/l	79
48) Methyl methacrylate	7.702	41	567	0.354	ug/l #	70
52) Toluene	8.720	92	147296	42.663	ug/l	92
53) t-1,3-Dichloropropene	8.714	75	1874	0.922	ug/l #	1
60) Dibromochloromethane	9.275	129	2612	1.807	ug/l #	11
64) Tetrachloroethene	9.275	164	2731	2.210	ug/l	94
67) Ethyl Benzene	10.195	91	4964	0.696	ug/l	97
68) m/p-Xylenes	10.299	106	6007	2.179	ug/l	99
69) o-Xylene	10.646	106	1217	0.452	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	49362	23.054	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	49362	65.920	ug/l #	5

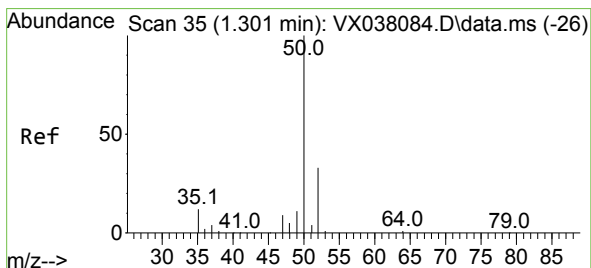
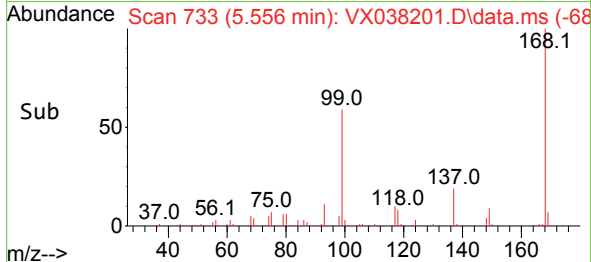
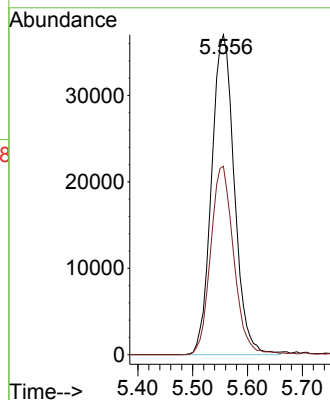
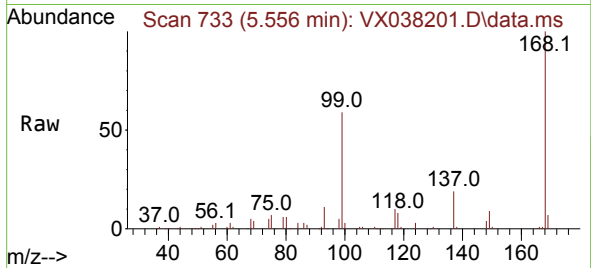
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038201.D
Acq: 10 Oct 2023 15:09

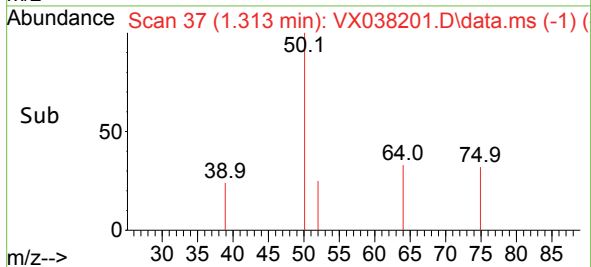
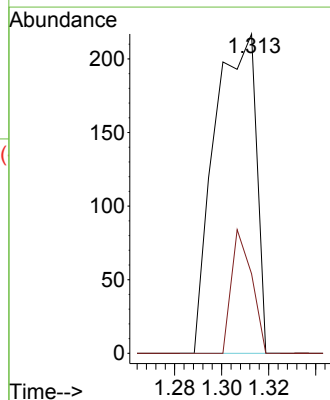
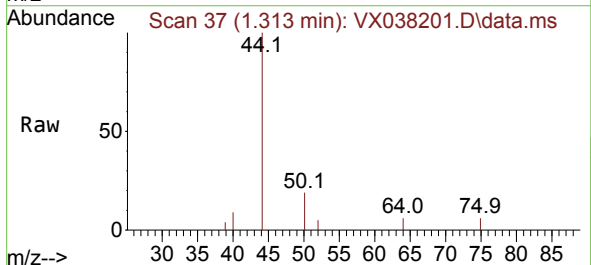
Instrument :
MSVOA_X
ClientSampleId :
GW-4-10-13

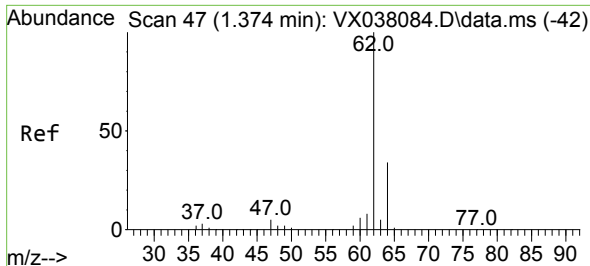
Tgt Ion:168 Resp: 106739
Ion Ratio Lower Upper
168 100
99 58.9 56.6 85.0



#3
Chloromethane
Concen: 0.253 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.012 min
Lab File: VX038201.D
Acq: 10 Oct 2023 15:09

Tgt Ion: 50 Resp: 266
Ion Ratio Lower Upper
50 100
52 24.9 25.5 38.3#

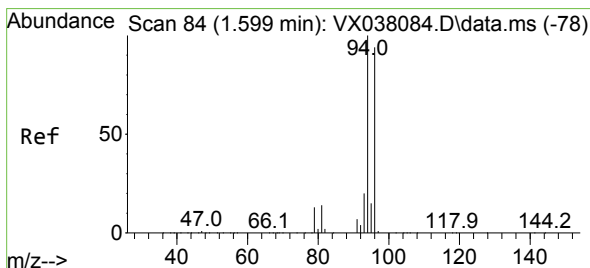
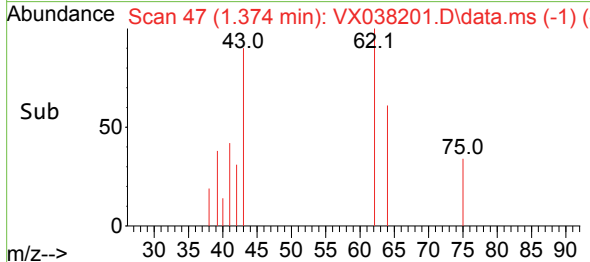
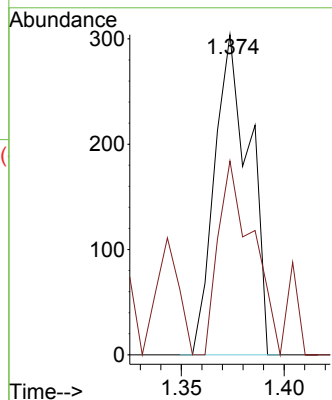
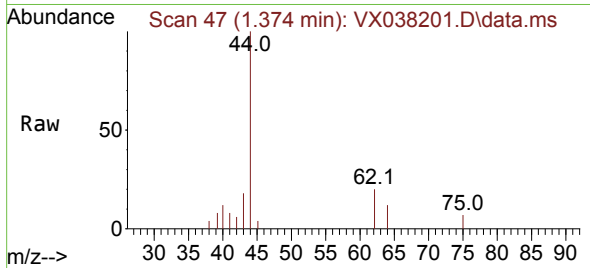




#4
 Vinyl Chloride
 Concen: 0.308 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX038201.D
 Acq: 10 Oct 2023 15:09

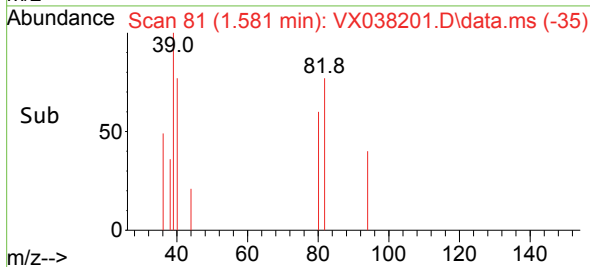
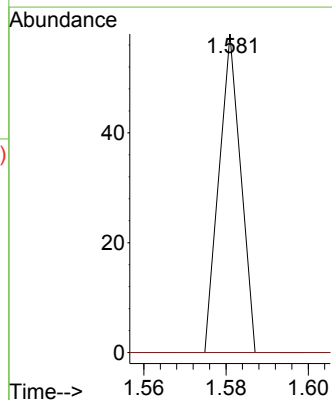
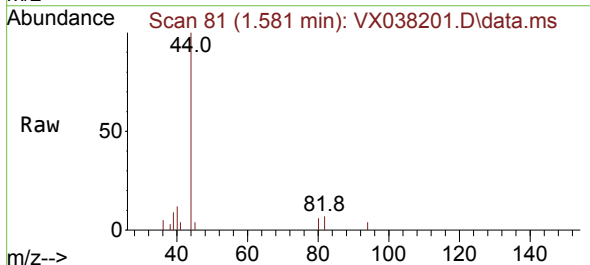
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-4-10-13

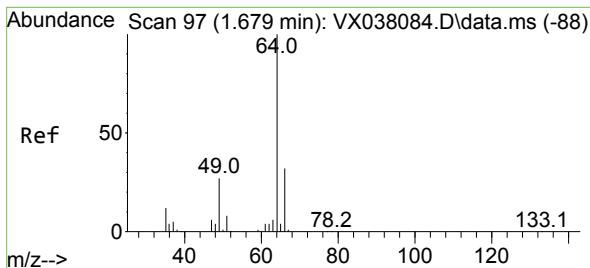
Tgt Ion: 62 Resp: 359
 Ion Ratio Lower Upper
 62 100
 64 60.5 25.4 38.0#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.581 min Scan# 81
 Delta R.T. -0.018 min
 Lab File: VX038201.D
 Acq: 10 Oct 2023 15:09

Tgt Ion: 94 Resp: 21
 Ion Ratio Lower Upper
 94 100
 96 0.0 74.6 111.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.685 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX038201.D

Acq: 10 Oct 2023 15:09

Instrument :

MSVOA_X

ClientSampleId :

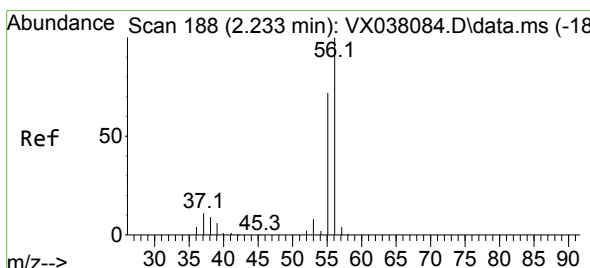
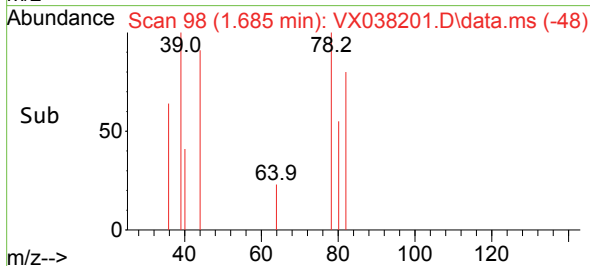
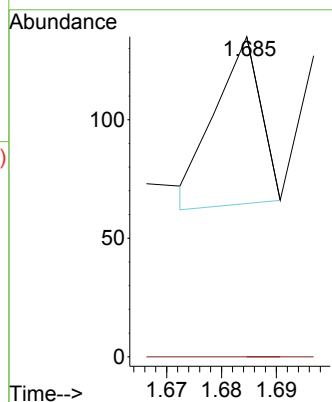
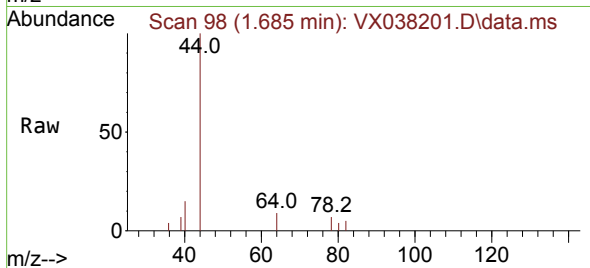
GW-4-10-13

Tgt Ion: 64 Resp: 41

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#13

Acrolein

Concen: 0.250 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX038201.D

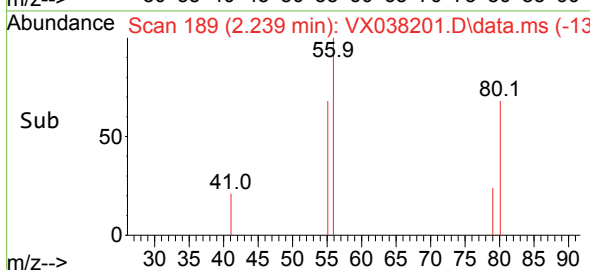
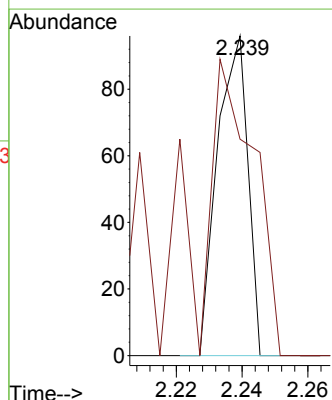
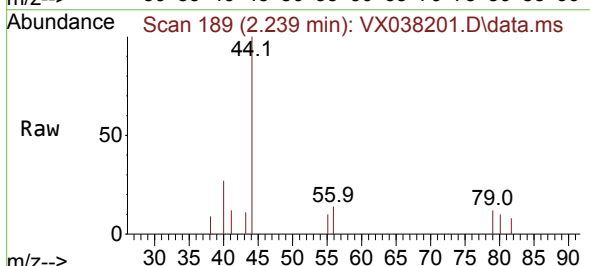
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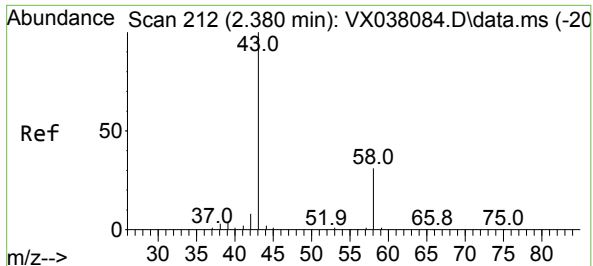
Tgt Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 167.2 57.1 85.7#

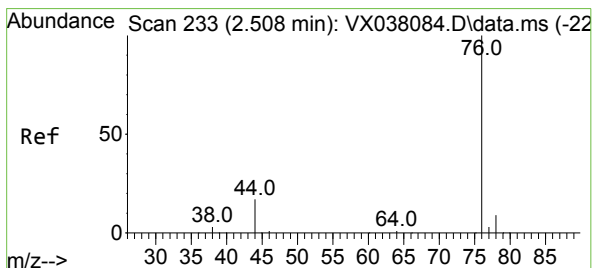
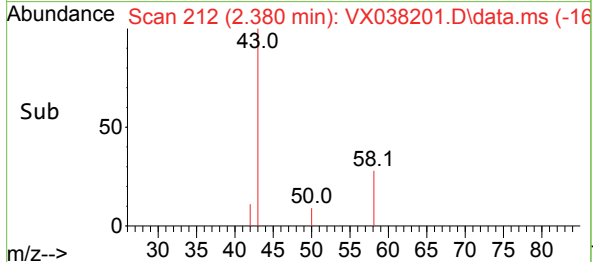
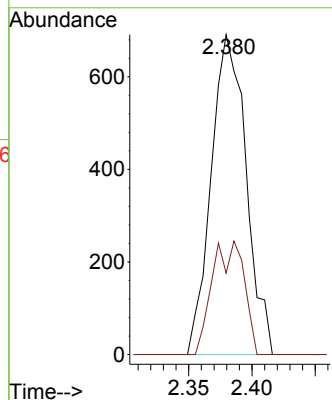
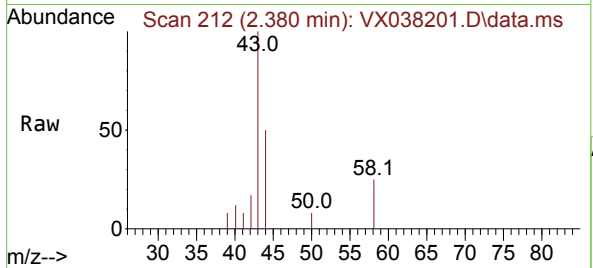




#16
Acetone
Concen: 1.852 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038201.D
Acq: 10 Oct 2023 15:09

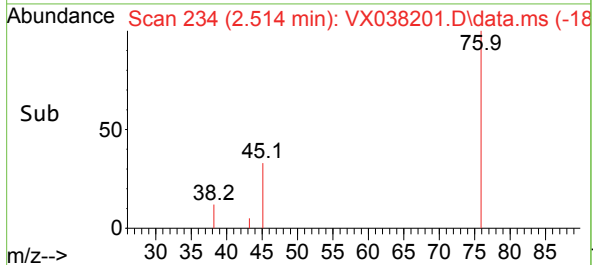
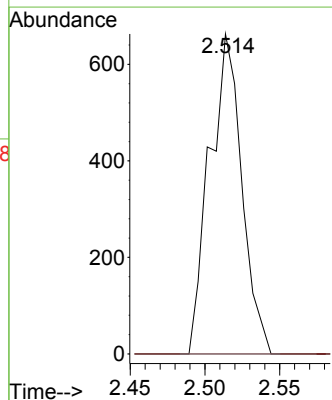
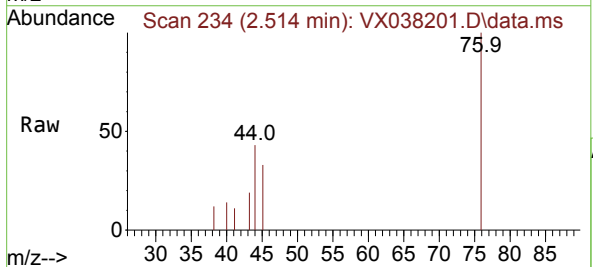
Instrument :
MSVOA_X
ClientSampleId :
GW-4-10-13

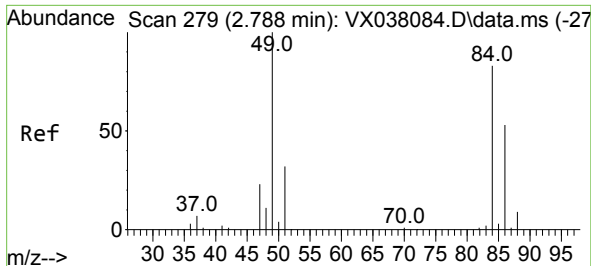
Tgt Ion: 43 Resp: 1327
Ion Ratio Lower Upper
43 100
58 25.5 21.9 32.9



#17
Carbon Disulfide
Concen: 0.352 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX038201.D
Acq: 10 Oct 2023 15:09

Tgt Ion: 76 Resp: 992
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

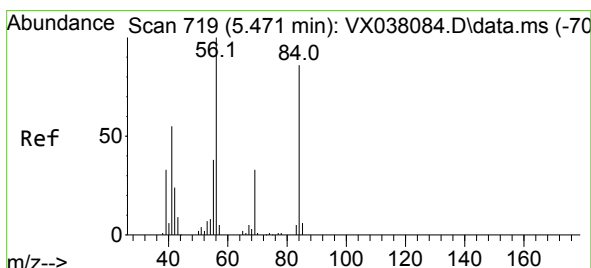
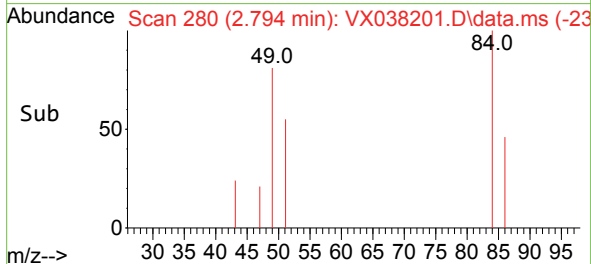
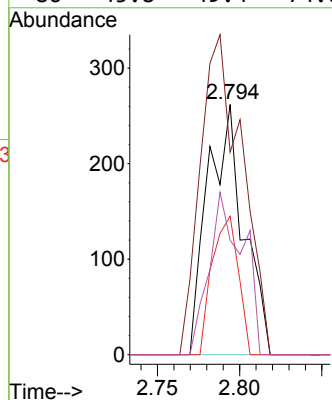
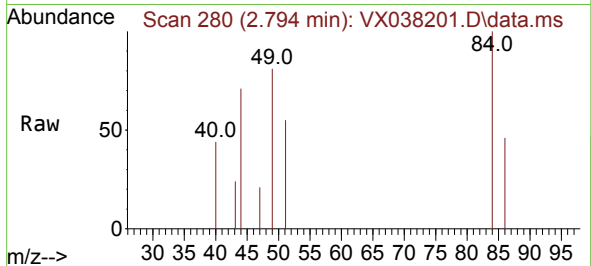




#20
Methylene Chloride
Concen: 0.296 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038201.D
Acq: 10 Oct 2023 15:09

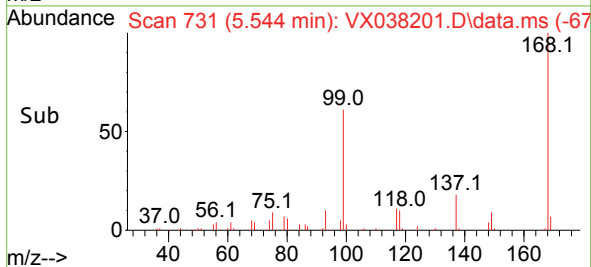
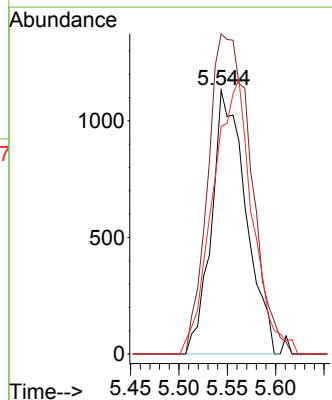
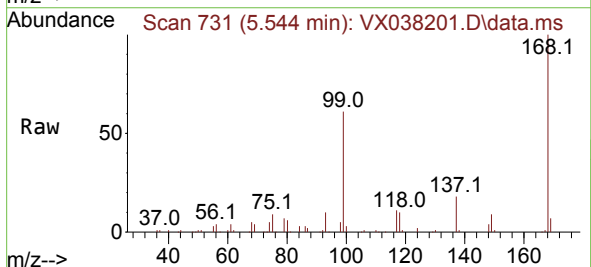
Instrument :
MSVOA_X
ClientSampleId :
GW-4-10-13

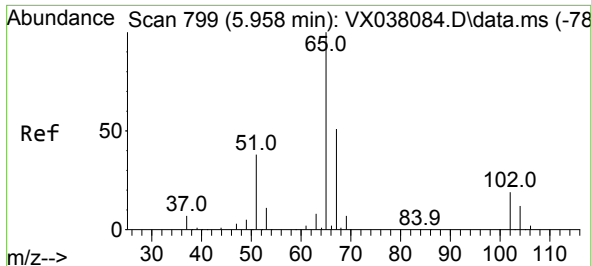
Tgt Ion:	84	Resp:	399
Ion	Ratio	Lower	Upper
84	100		
49	80.9	103.6	155.4#
51	55.3	33.8	50.6#
86	45.8	49.4	74.0#



#31
Cyclohexane
Concen: 1.498 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX038201.D
Acq: 10 Oct 2023 15:09

Tgt Ion:	56	Resp:	2787
Ion	Ratio	Lower	Upper
56	100		
69	121.4	23.4	35.2#
84	86.3	65.9	98.9

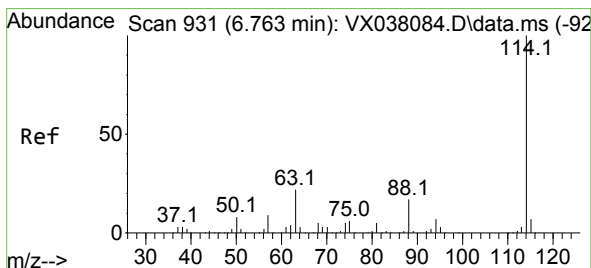
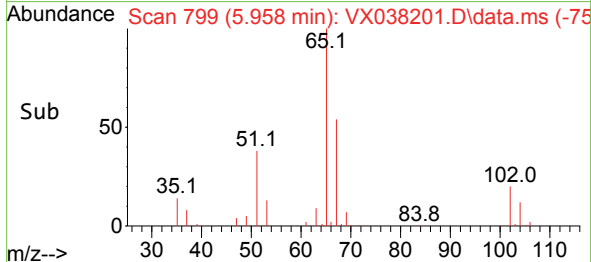
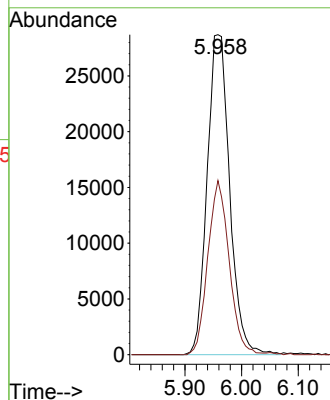
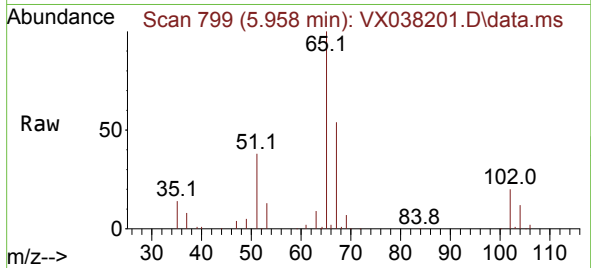




#33
 1,2-Dichloroethane-d4
 Concen: 46.180 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX038201.D
 Acq: 10 Oct 2023 15:09

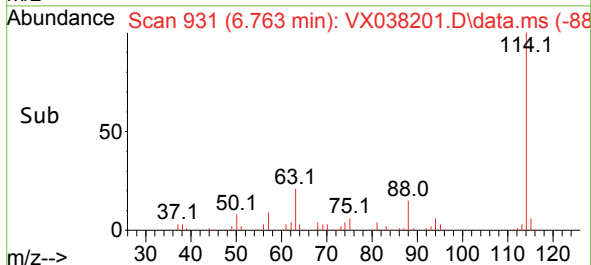
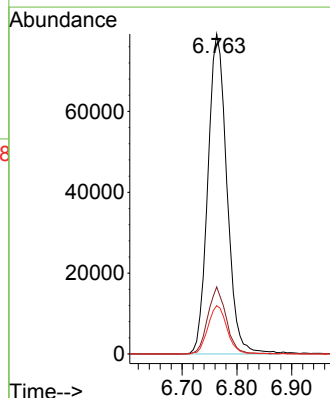
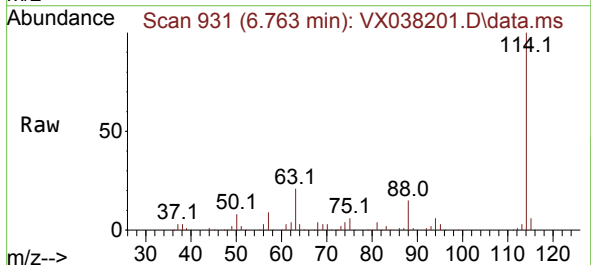
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 GW-4-10-13

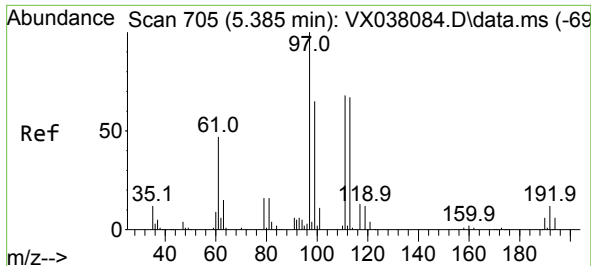
Tgt Ion: 65 Resp: 79284
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX038201.D
 Acq: 10 Oct 2023 15:09

Tgt Ion:114 Resp: 190710
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 45.0
 88 15.1 0.0 36.6

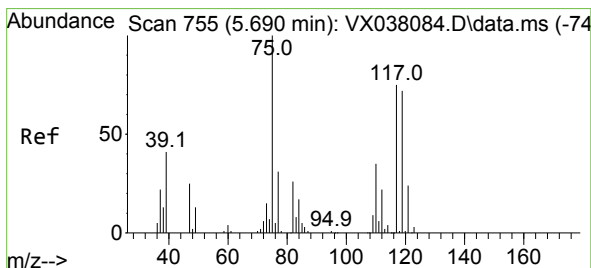
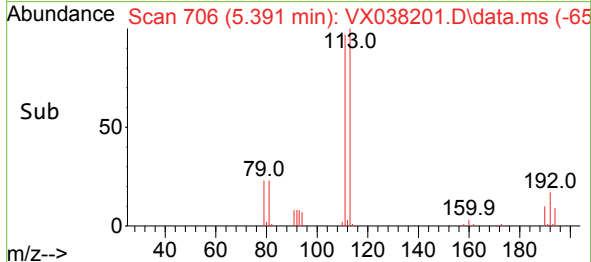
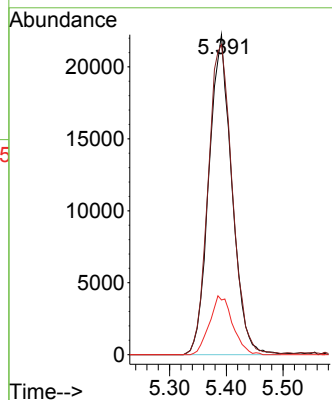
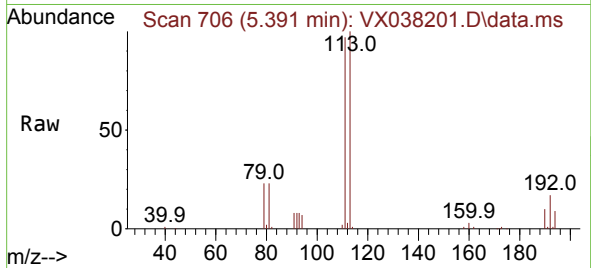




#35
Dibromofluoromethane
Concen: 45.430 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038201.D
Acq: 10 Oct 2023 15:09

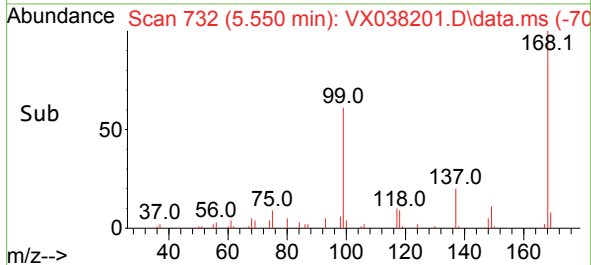
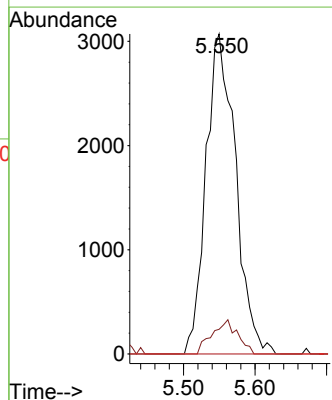
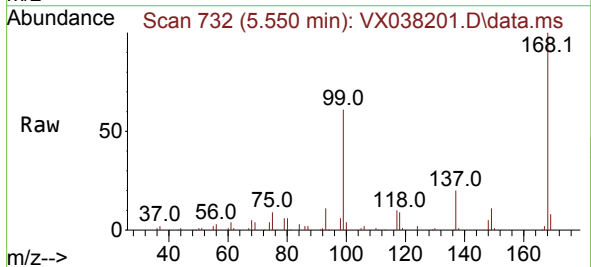
Instrument :
MSVOA_X
ClientSampleId :
GW-4-10-13

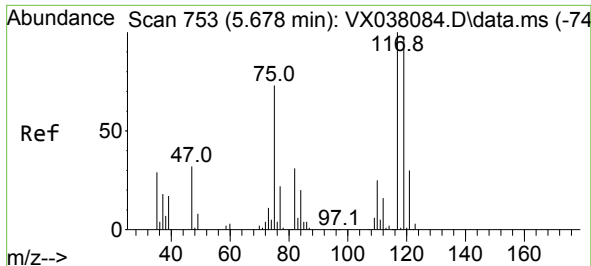
Tgt Ion:113 Resp: 62429
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 18.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.663 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038201.D
Acq: 10 Oct 2023 15:09

Tgt Ion: 75 Resp: 8836
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#

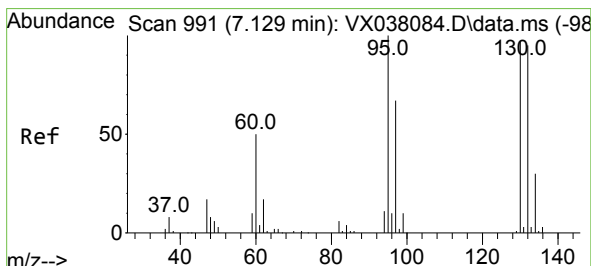
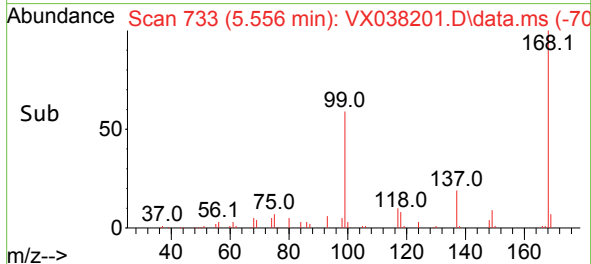
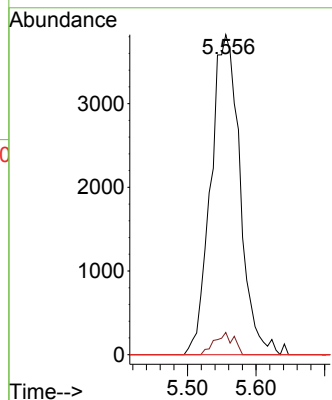
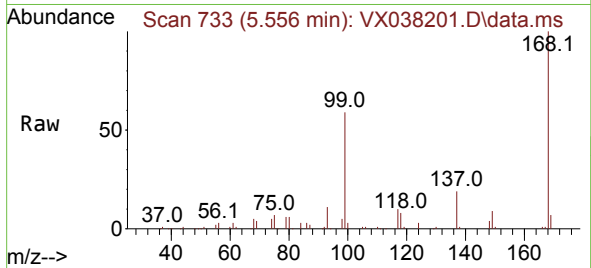




#38
Carbon Tetrachloride
Concen: 6.060 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX038201.D
Acq: 10 Oct 2023 15:09

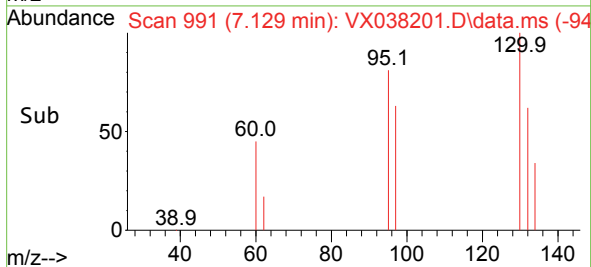
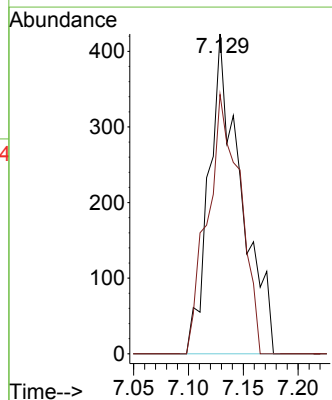
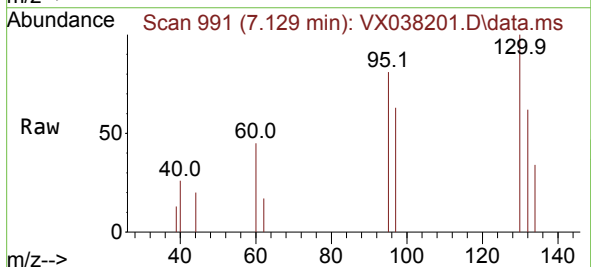
Instrument :
MSVOA_X
ClientSampleId :
GW-4-10-13

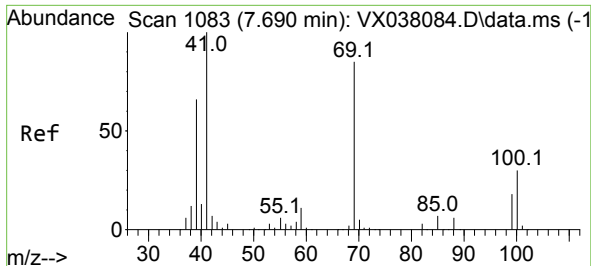
Tgt Ion:117 Resp: 11297
Ion Ratio Lower Upper
117 100
119 7.0 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 0.617 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX038201.D
Acq: 10 Oct 2023 15:09

Tgt Ion:130 Resp: 855
Ion Ratio Lower Upper
130 100
95 81.1 0.0 204.4

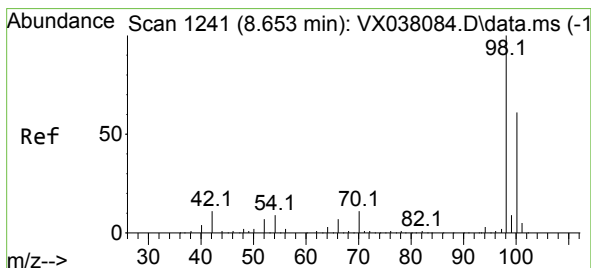
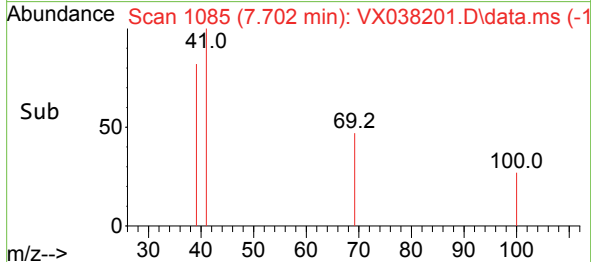
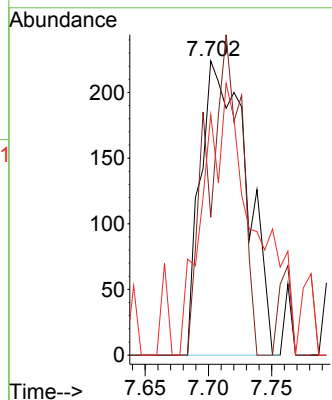
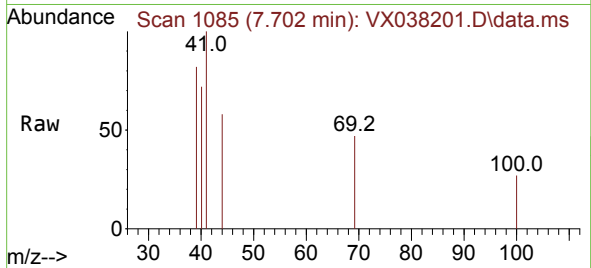




#48
Methyl methacrylate
Concen: 0.354 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.012 min
Lab File: VX038201.D
Acq: 10 Oct 2023 15:09

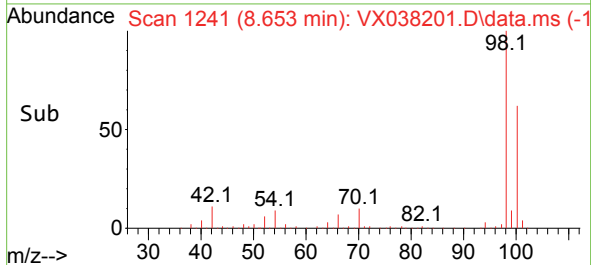
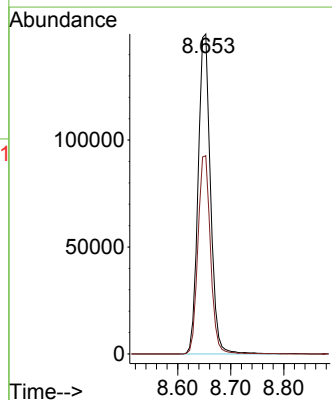
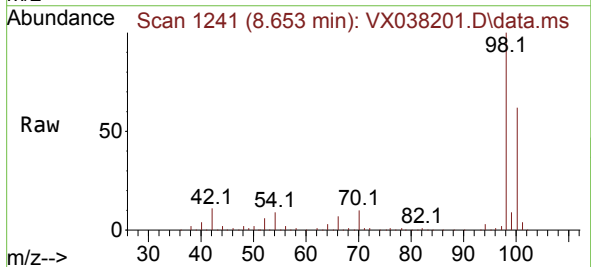
Instrument :
MSVOA_X
ClientSampleId :
GW-4-10-13

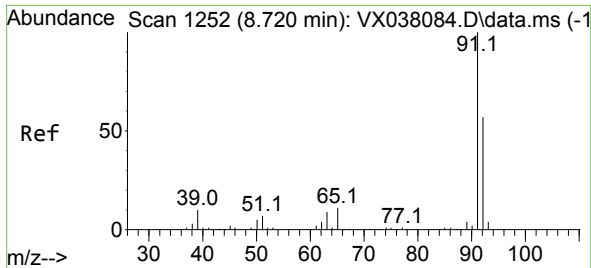
Tgt Ion: 41 Resp: 567
Ion Ratio Lower Upper
41 100
69 80.4 59.2 88.8
39 103.0 47.7 71.5#



#50
Toluene-d8
Concen: 46.318 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX038201.D
Acq: 10 Oct 2023 15:09

Tgt Ion: 98 Resp: 243223
Ion Ratio Lower Upper
98 100
100 62.8 53.1 79.7

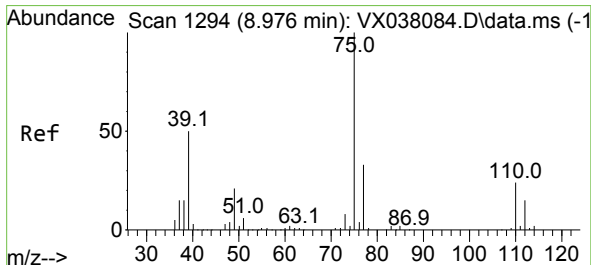
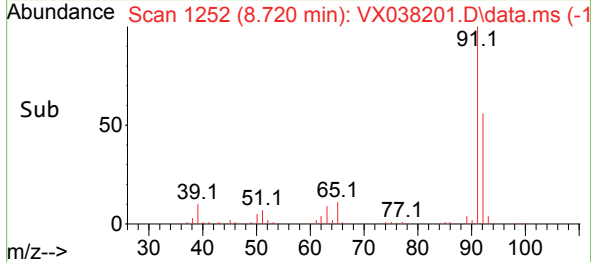
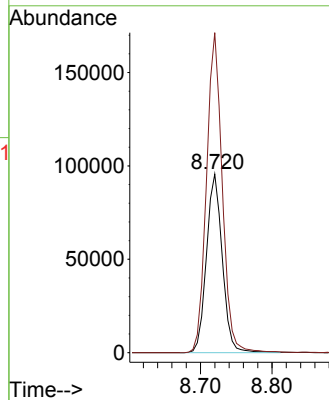
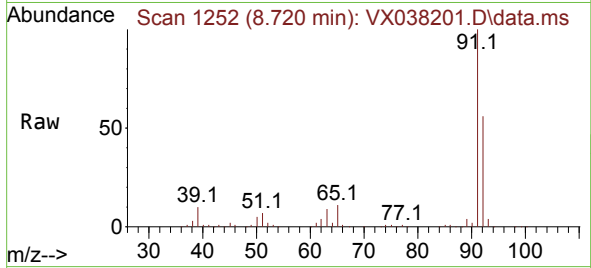




#52
Toluene
Concen: 42.663 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038201.D
Acq: 10 Oct 2023 15:09

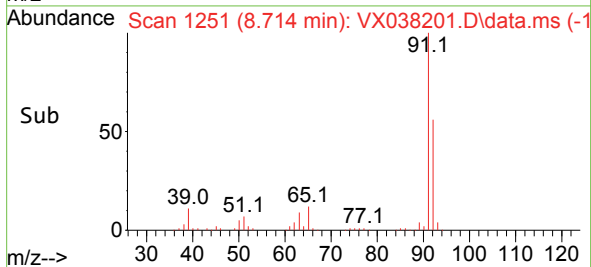
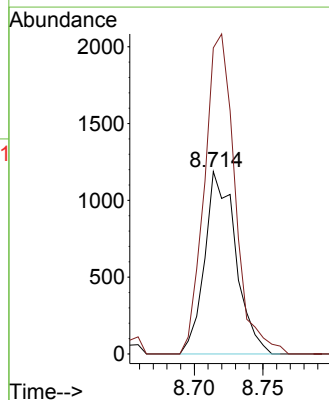
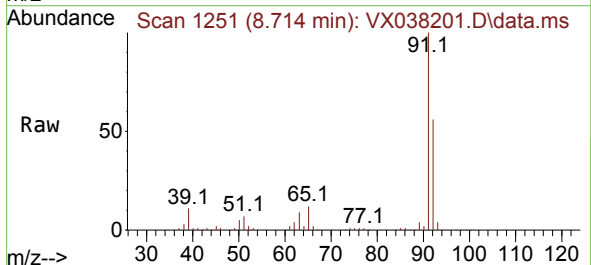
Instrument :
MSVOA_X
ClientSampleId :
GW-4-10-13

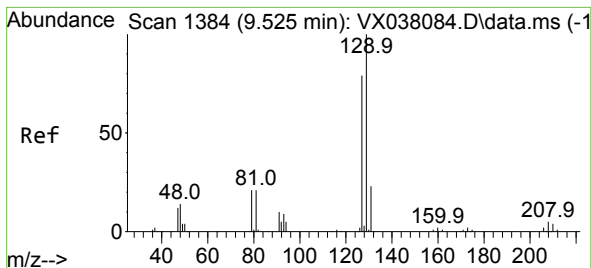
Tgt Ion: 92 Resp: 147296
Ion Ratio Lower Upper
92 100
91 178.6 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.922 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.262 min
Lab File: VX038201.D
Acq: 10 Oct 2023 15:09

Tgt Ion: 75 Resp: 1874
Ion Ratio Lower Upper
75 100
77 167.7 25.7 38.5#





#60

Dibromochloromethane

Concen: 1.807 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX038201.D

Acq: 10 Oct 2023 15:09

Instrument :

MSVOA_X

ClientSampleId :

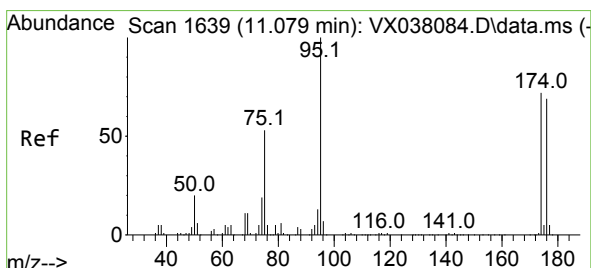
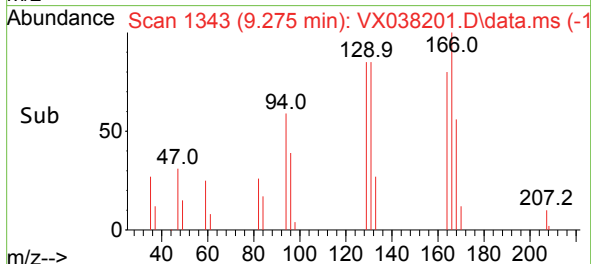
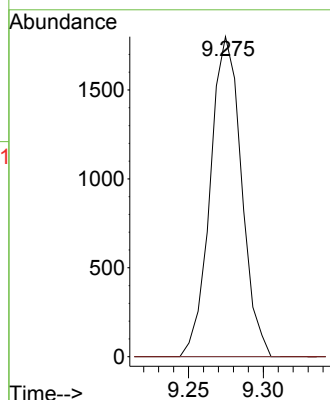
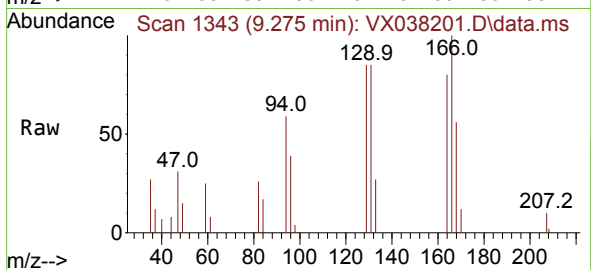
GW-4-10-13

Tgt Ion:129 Resp: 2612

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#



#62

4-Bromofluorobenzene

Concen: 44.551 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX038201.D

Acq: 10 Oct 2023 15:09

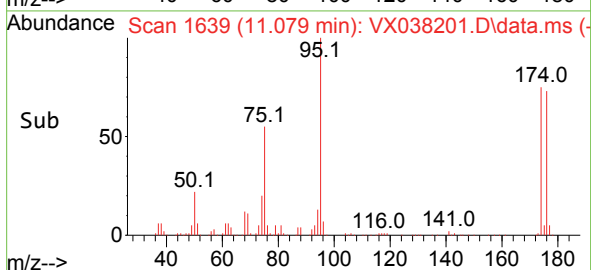
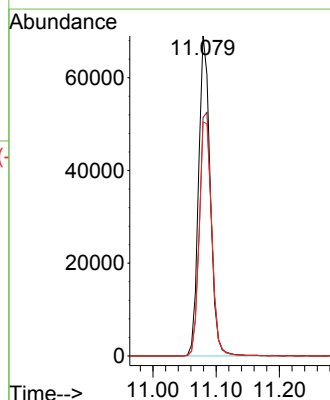
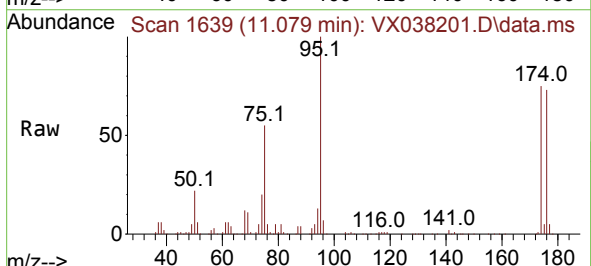
Tgt Ion: 95 Resp: 88690

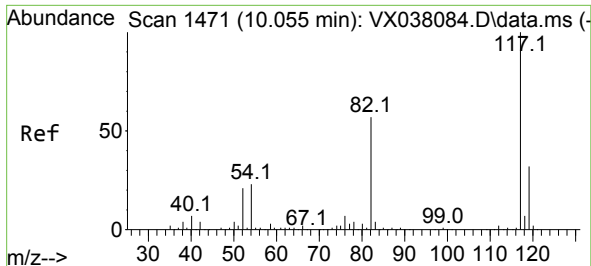
Ion Ratio Lower Upper

95 100

174 79.5 0.0 135.6

176 78.0 0.0 131.0

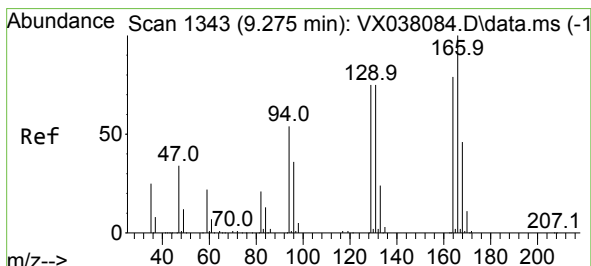
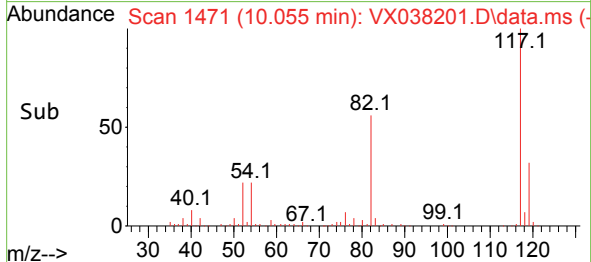
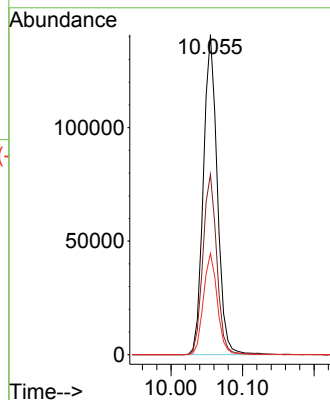
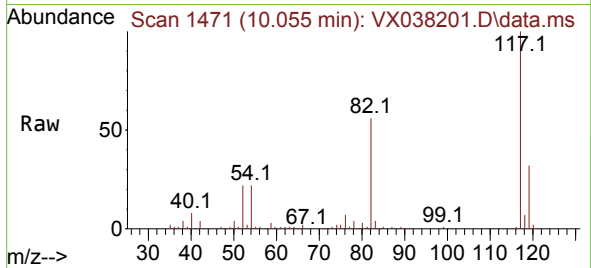




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038201.D
Acq: 10 Oct 2023 15:09

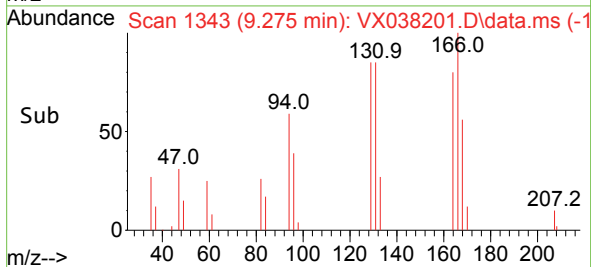
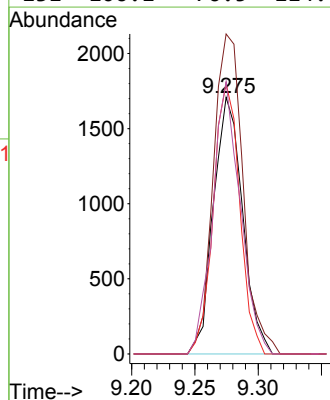
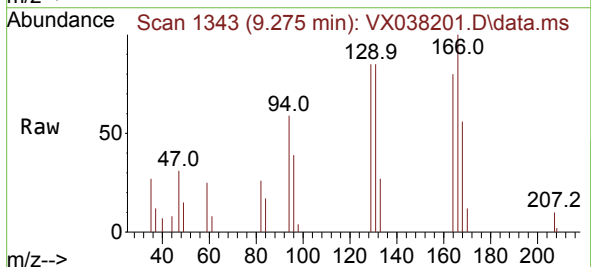
Instrument :
MSVOA_X
ClientSampleId :
GW-4-10-13

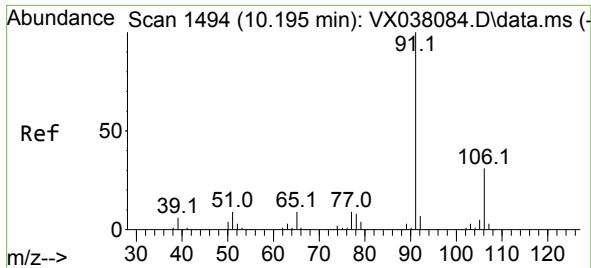
Tgt Ion:117 Resp: 190904
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 31.7 25.5 38.3



#64
Tetrachloroethene
Concen: 2.210 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX038201.D
Acq: 10 Oct 2023 15:09

Tgt Ion:164 Resp: 2731
Ion Ratio Lower Upper
164 100
166 124.7 102.7 154.1
129 105.4 80.4 120.6
131 106.1 76.5 114.7

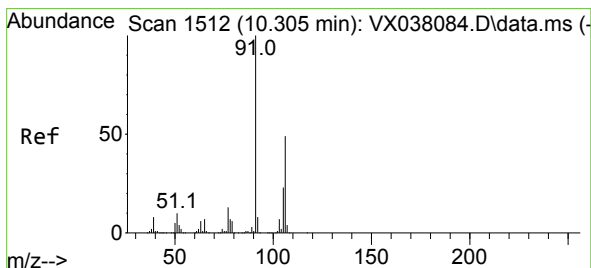
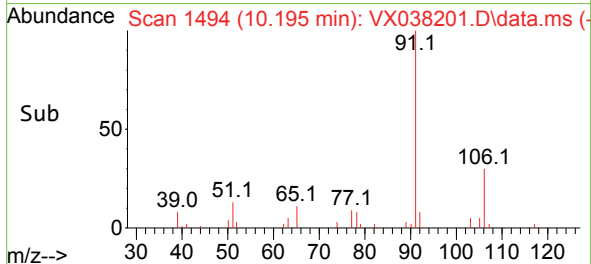
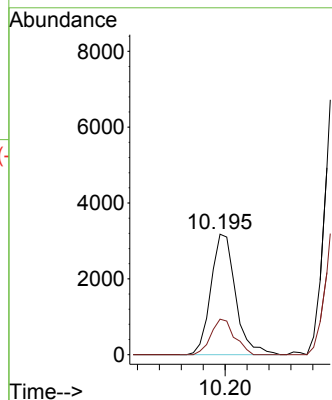
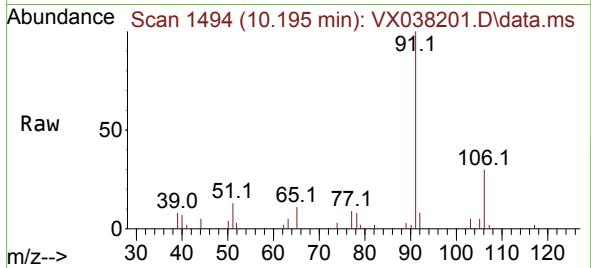




#67
Ethyl Benzene
Concen: 0.696 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX038201.D
Acq: 10 Oct 2023 15:09

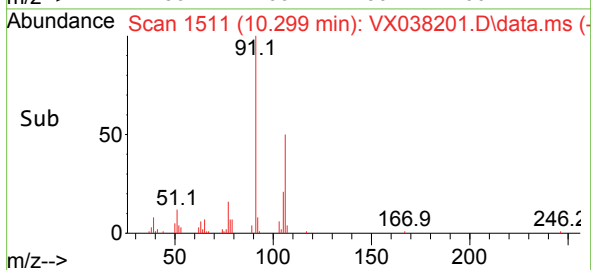
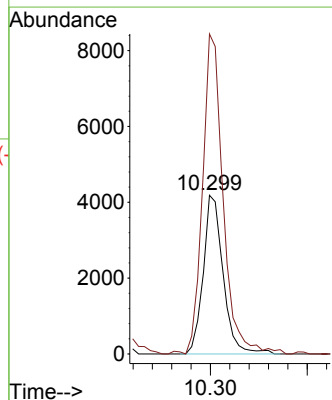
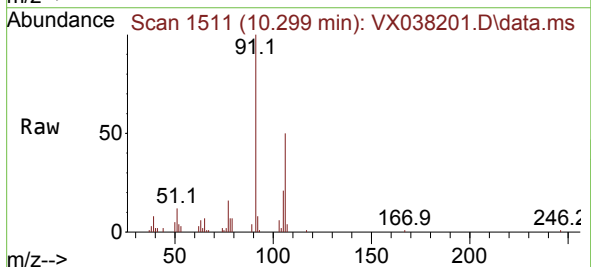
Instrument :
MSVOA_X
ClientSampleId :
GW-4-10-13

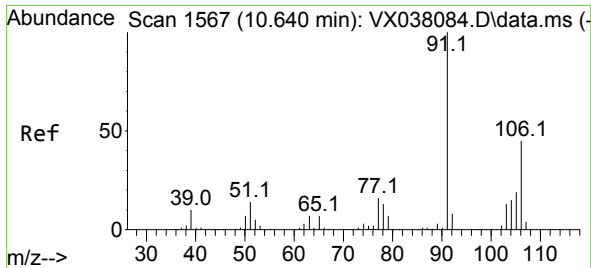
Tgt Ion: 91 Resp: 4964
Ion Ratio Lower Upper
91 100
106 29.5 24.9 37.3



#68
m/p-Xylenes
Concen: 2.179 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX038201.D
Acq: 10 Oct 2023 15:09

Tgt Ion: 106 Resp: 6007
Ion Ratio Lower Upper
106 100
91 208.1 165.5 248.3

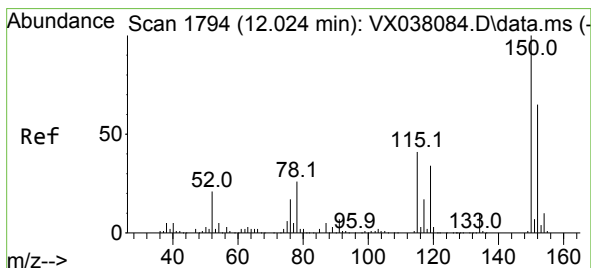
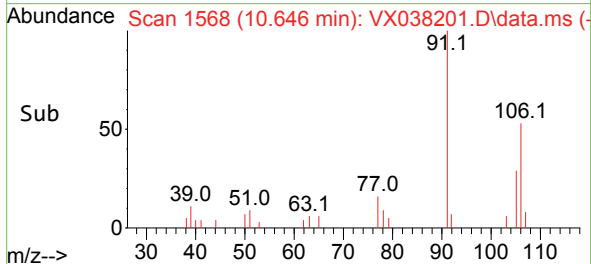
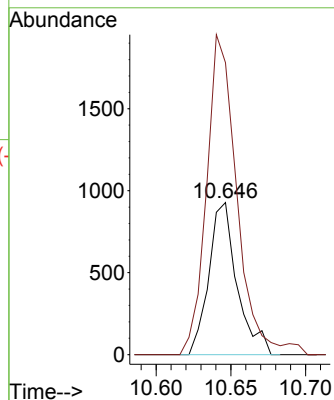
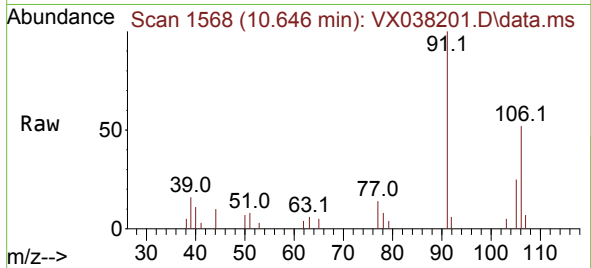




#69
o-Xylene
Concen: 0.452 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX038201.D
Acq: 10 Oct 2023 15:09

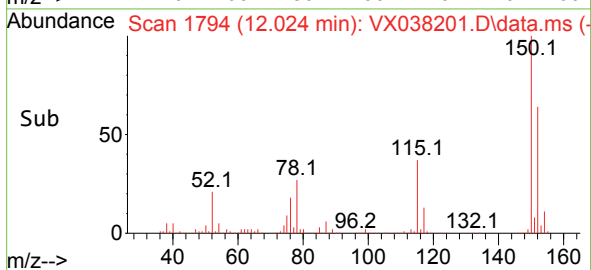
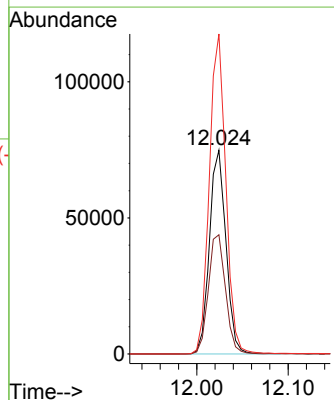
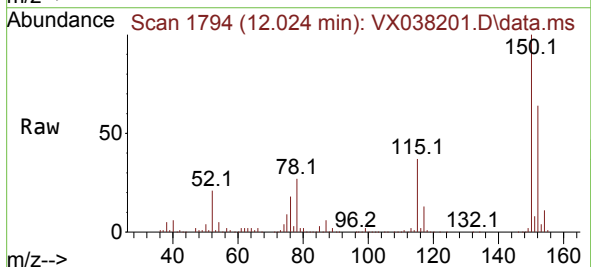
Instrument :
MSVOA_X
ClientSampleId :
GW-4-10-13

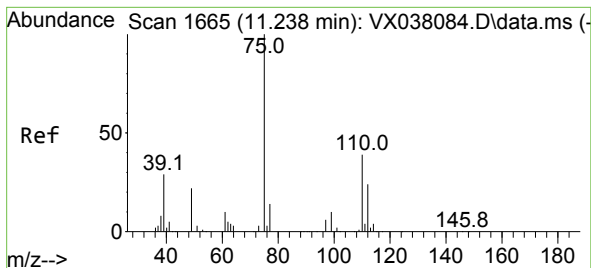
Tgt Ion:106 Resp: 1217
Ion Ratio Lower Upper
106 100
91 226.9 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038201.D
Acq: 10 Oct 2023 15:09

Tgt Ion:152 Resp: 94183
Ion Ratio Lower Upper
152 100
115 60.5 43.3 129.9
150 156.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.054 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX038201.D

Acq: 10 Oct 2023 15:09

Instrument :

MSVOA_X

ClientSampleId :

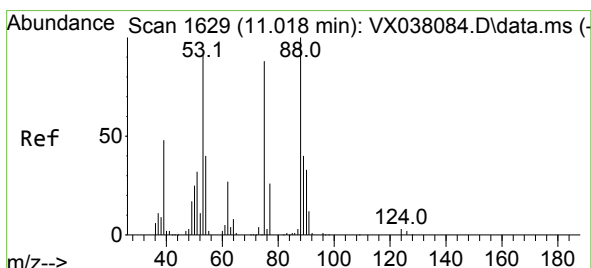
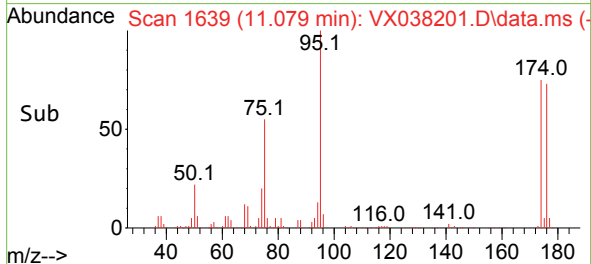
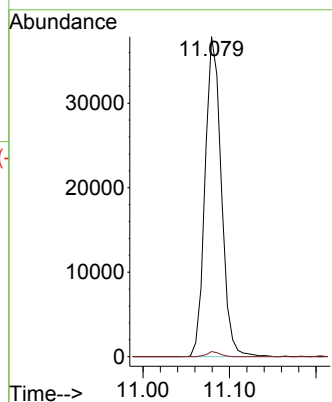
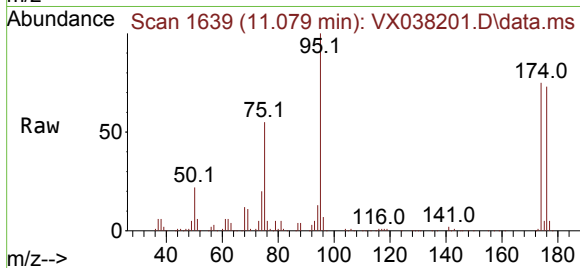
GW-4-10-13

Tgt Ion: 75 Resp: 49362

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.920 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038201.D

Acq: 10 Oct 2023 15:09

Tgt Ion: 75 Resp: 49362

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

