

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101323\
 Data File : VX038289.D
 Acq On : 13 Oct 2023 17:02
 Operator : JC/MD
 Sample : 04875-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-14-12-15

Quant Time: Oct 13 23:14:54 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)

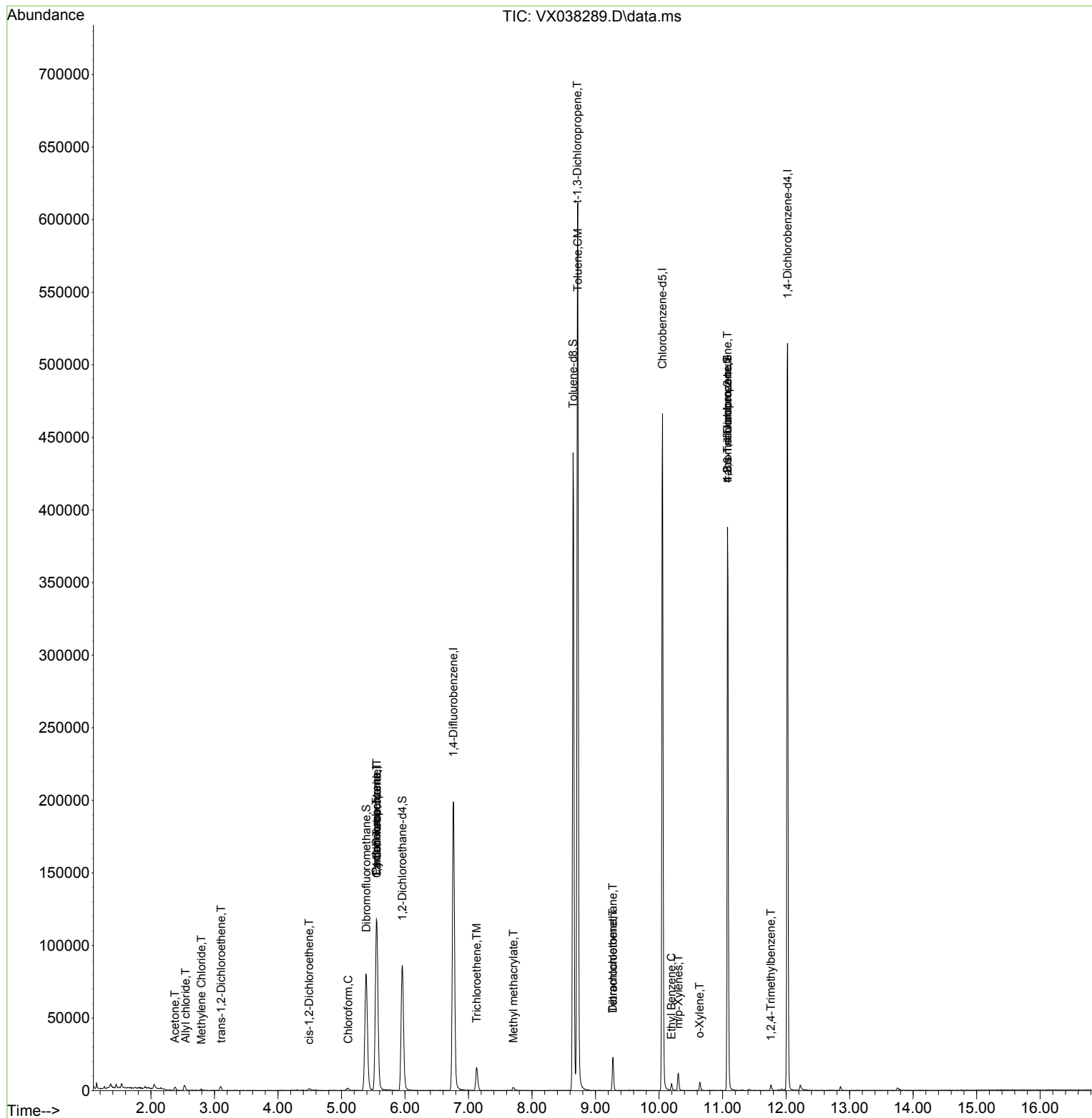
Internal Standards						
1) Pentafluorobenzene	5.550	168	111726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	205321	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84827	47.204	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.400%		
35) Dibromofluoromethane	5.391	113	67576	45.676	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.360%		
50) Toluene-d8	8.647	98	262619	46.453	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.900%		
62) 4-Bromofluorobenzene	11.079	95	98745	46.072	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.140%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.581	94	23	Below Cal	#	3
6) Chloroethane	1.697	64	42	Below Cal	#	43
14) Allyl chloride	2.544	41	409	0.224	ug/l #	18
16) Acetone	2.380	43	2538	3.384	ug/l	97
20) Methylene Chloride	2.794	84	467	0.331	ug/l #	85
21) trans-1,2-Dichloroethene	3.105	96	1194	0.943	ug/l #	60
27) cis-1,2-Dichloroethene	4.489	96	884	0.586	ug/l	81
30) Chloroform	5.105	83	1700	0.668	ug/l	93
31) Cyclohexane	5.550	56	2822	1.449	ug/l #	30
36) 1,1-Dichloropropene	5.556	75	9362	4.589	ug/l #	50
38) Carbon Tetrachloride	5.556	117	11755	5.857	ug/l #	16
44) Trichloroethene	7.129	130	5667	3.797	ug/l	95
48) Methyl methacrylate	7.708	41	1191	0.690	ug/l #	80
52) Toluene	8.720	92	229891	61.847	ug/l	92
53) t-1,3-Dichloropropene	8.714	75	2839	1.298	ug/l #	1
60) Dibromochloromethane	9.275	129	4123	2.650	ug/l #	11
64) Tetrachloroethene	9.275	164	4334	3.159	ug/l	92
67) Ethyl Benzene	10.195	91	2918	0.369	ug/l	100
68) m/p-Xylenes	10.305	106	2980	0.974	ug/l	96
69) o-Xylene	10.640	106	1475	0.494	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	54315	22.530	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	54315	64.514	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.762	105	1280	0.209	ug/l #	33

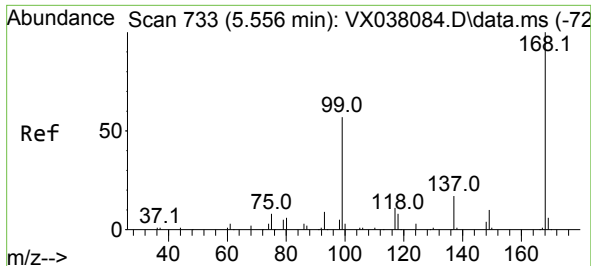
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration

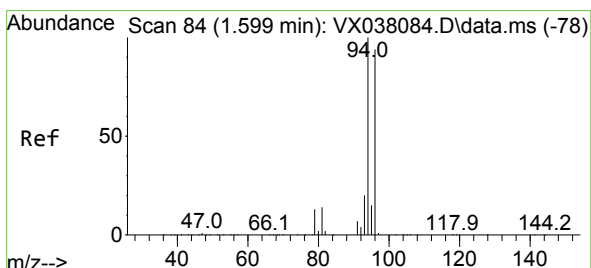
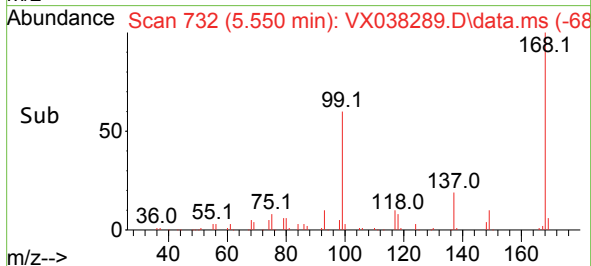
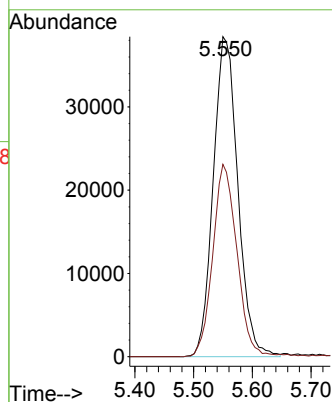
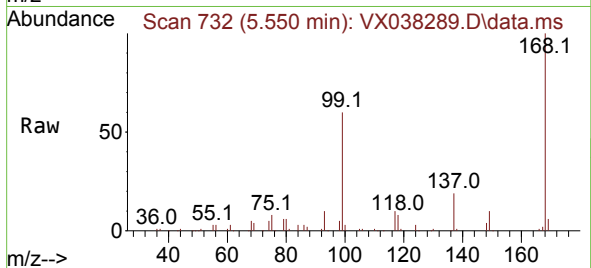




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

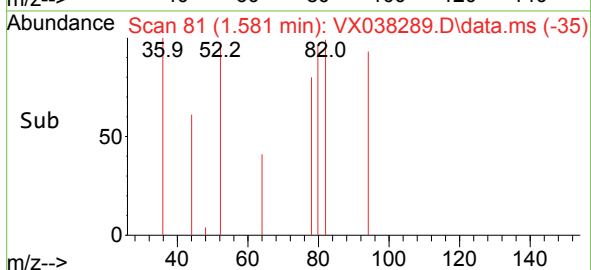
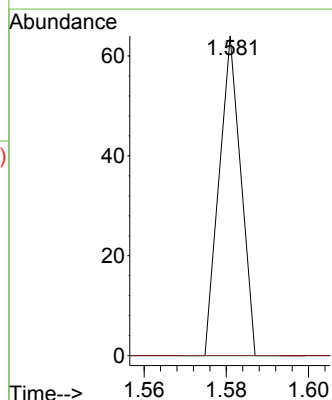
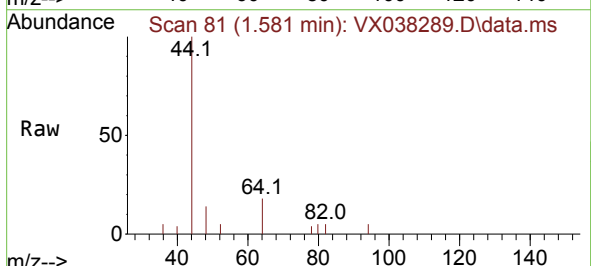
Instrument :
MSVOA_X
ClientSampleId :
GW-14-12-15

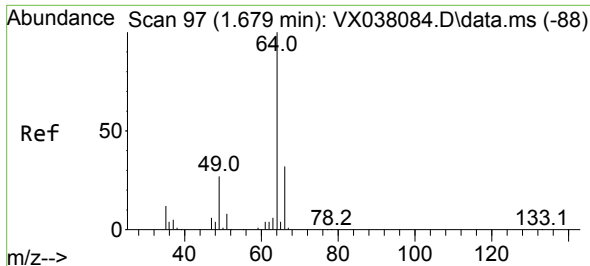
Tgt Ion:168 Resp: 111726
Ion Ratio Lower Upper
168 100
99 60.1 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.581 min Scan# 81
Delta R.T. -0.018 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

Tgt Ion: 94 Resp: 23
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

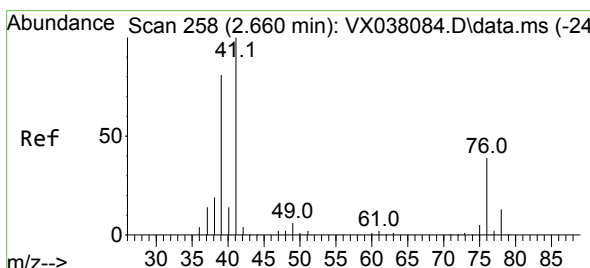
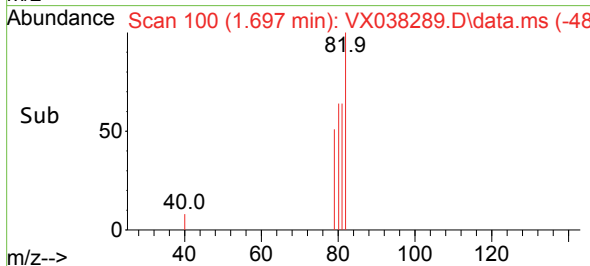
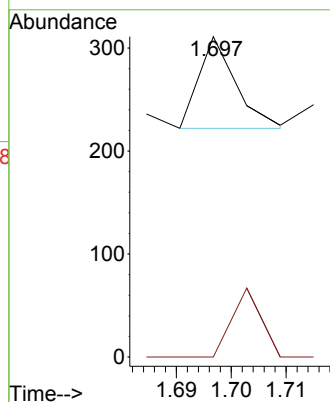
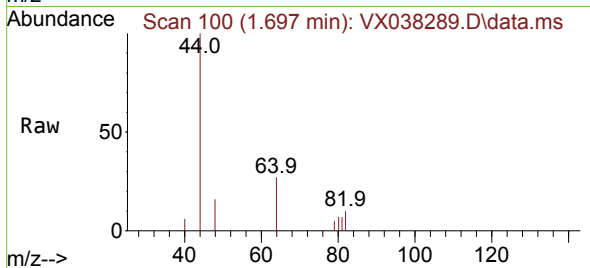




#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 100
Delta R.T. 0.018 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

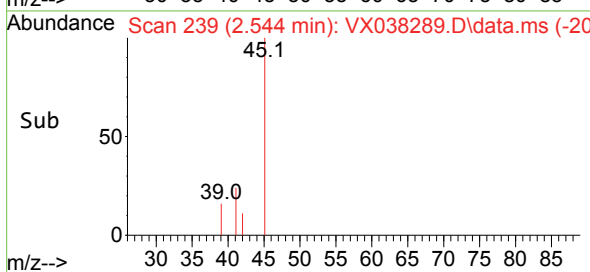
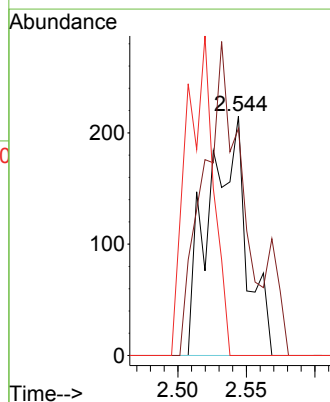
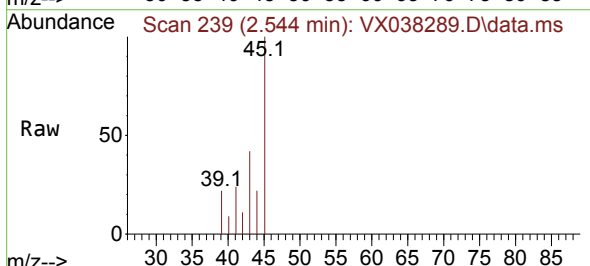
Instrument :
MSVOA_X
ClientSampleId :
GW-14-12-15

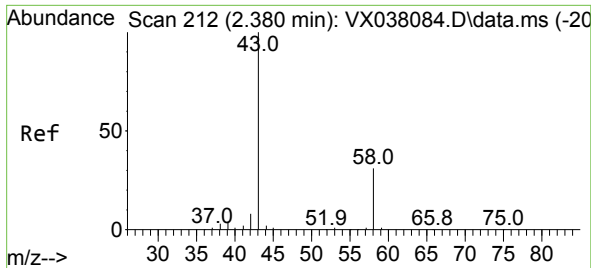
Tgt Ion: 64 Resp: 42
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#14
Allyl chloride
Concen: 0.224 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.116 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

Tgt Ion: 41 Resp: 409
Ion Ratio Lower Upper
41 100
39 146.5 55.8 83.6#
76 0.0 24.3 36.5#

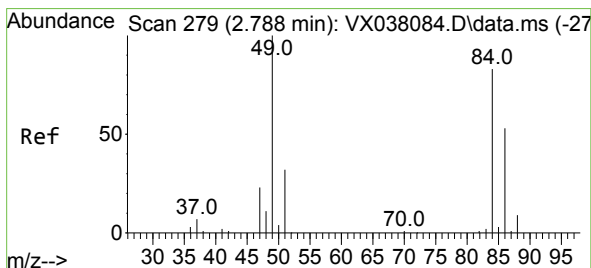
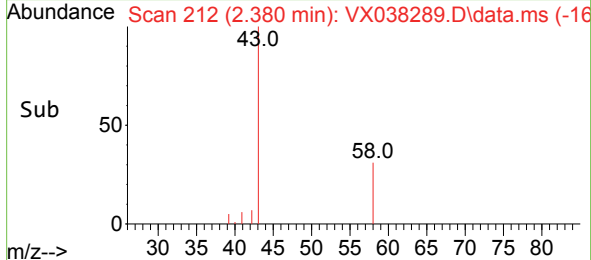
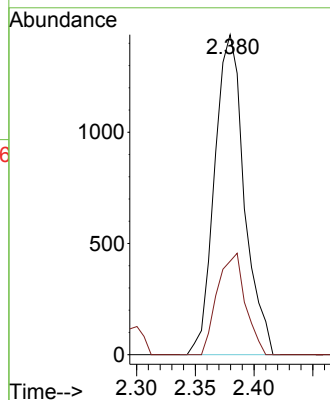
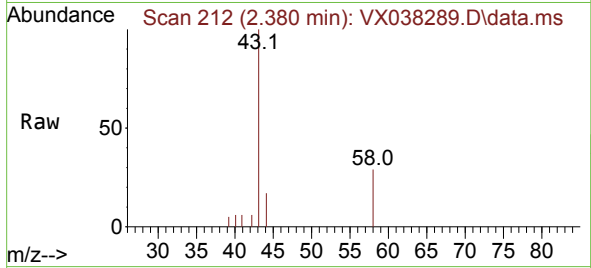




#16
Acetone
Concen: 3.384 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

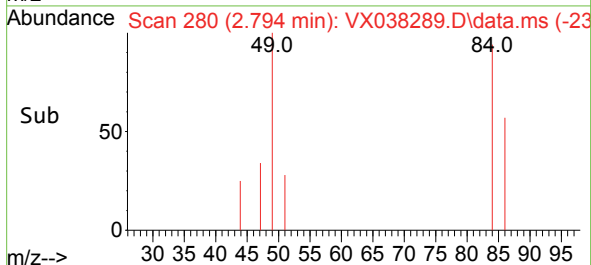
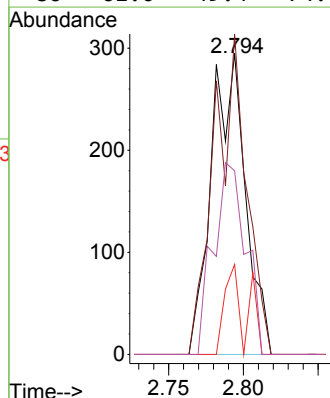
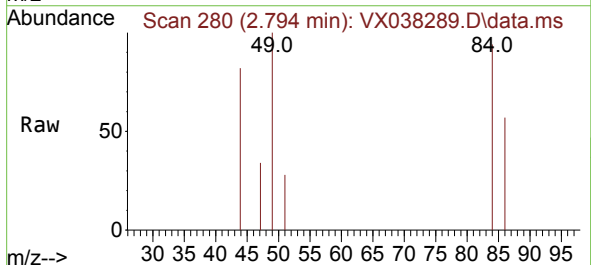
Instrument :
MSVOA_X
ClientSampleId :
GW-14-12-15

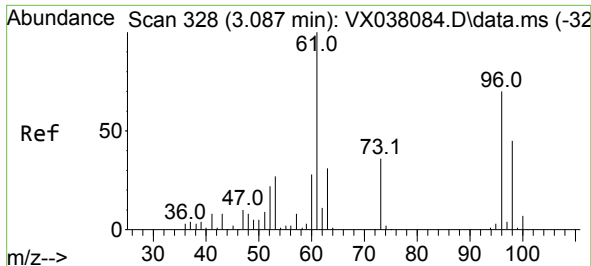
Tgt Ion: 43 Resp: 2538
Ion Ratio Lower Upper
43 100
58 29.2 21.9 32.9



#20
Methylene Chloride
Concen: 0.331 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

Tgt Ion: 84 Resp: 467
Ion Ratio Lower Upper
84 100
49 106.4 103.6 155.4
51 29.8 33.8 50.6#
86 61.0 49.4 74.0

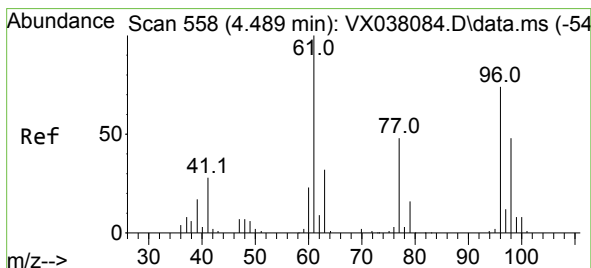
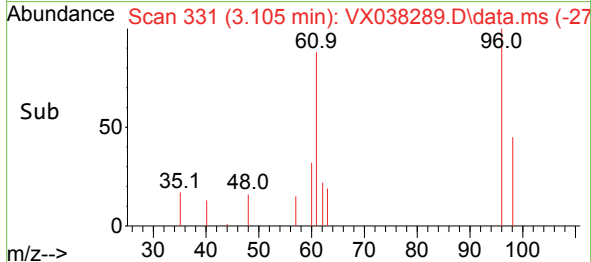
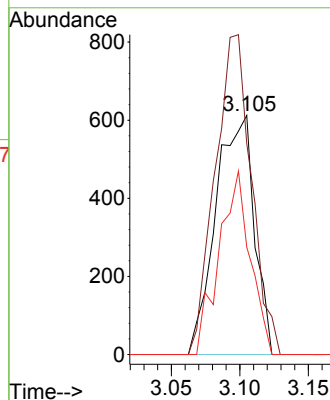
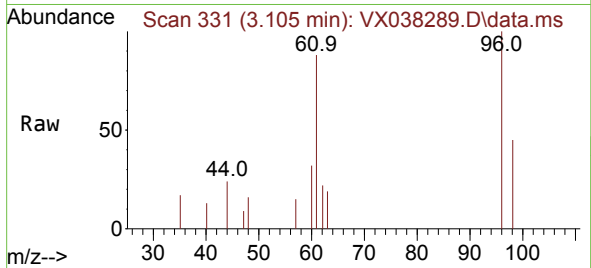




#21
trans-1,2-Dichloroethene
Concen: 0.943 ug/l
RT: 3.105 min Scan# 31
Delta R.T. 0.018 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

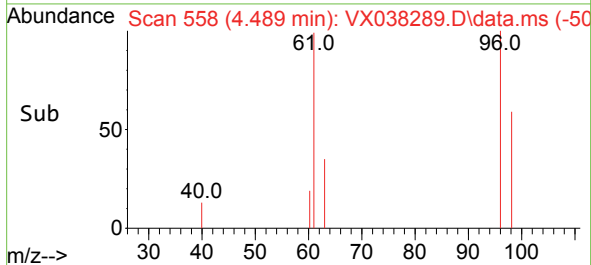
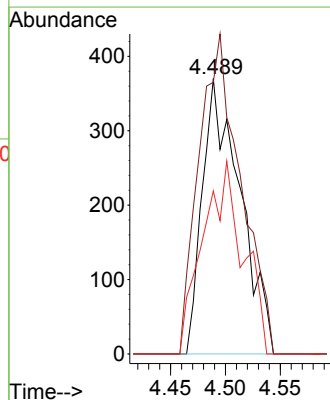
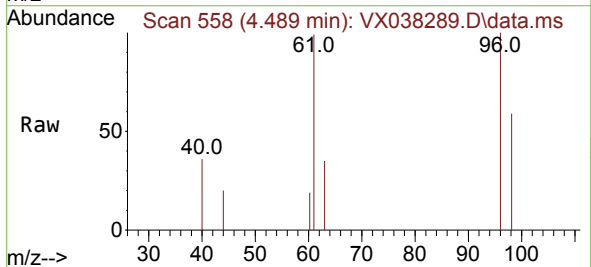
Instrument :
MSVOA_X
ClientSampleId :
GW-14-12-15

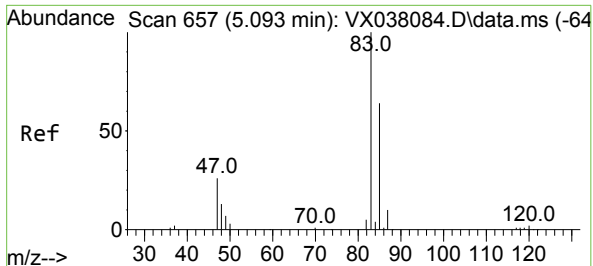
Tgt Ion: 96 Resp: 1194
Ion Ratio Lower Upper
96 100
61 88.2 119.2 178.8#
98 44.9 48.7 73.1#



#27
cis-1,2-Dichloroethene
Concen: 0.586 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

Tgt Ion: 96 Resp: 884
Ion Ratio Lower Upper
96 100
61 128.6 0.0 312.2
98 74.5 0.0 129.0





#30

Chloroform

Concen: 0.668 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX038289.D

Acq: 13 Oct 2023 17:02

Instrument :

MSVOA_X

ClientSampleId :

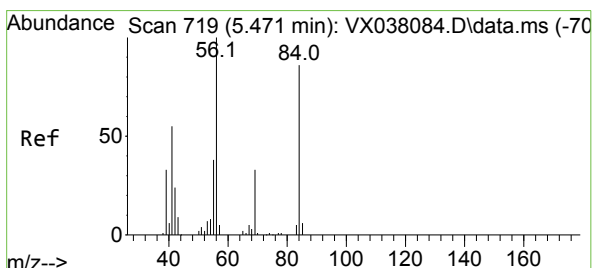
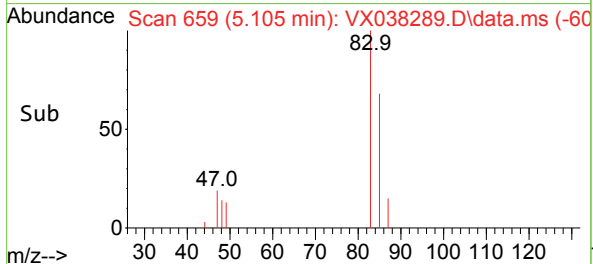
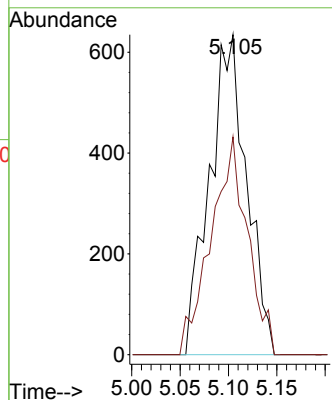
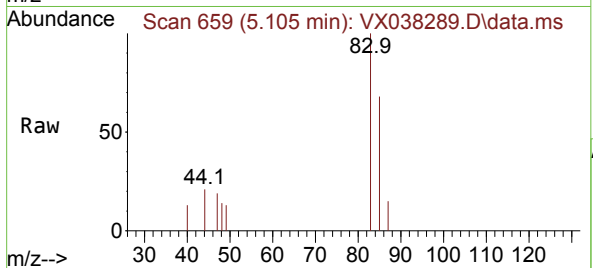
GW-14-12-15

Tgt Ion: 83 Resp: 1700

Ion Ratio Lower Upper

83 100

85 68.0 50.3 75.5



#31

Cyclohexane

Concen: 1.449 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX038289.D

Acq: 13 Oct 2023 17:02

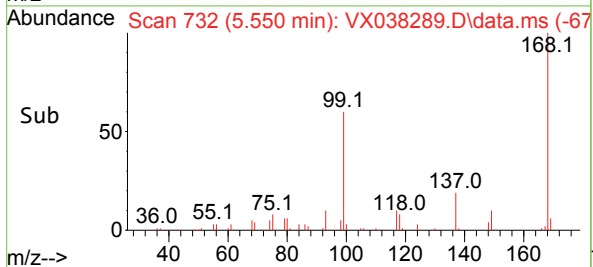
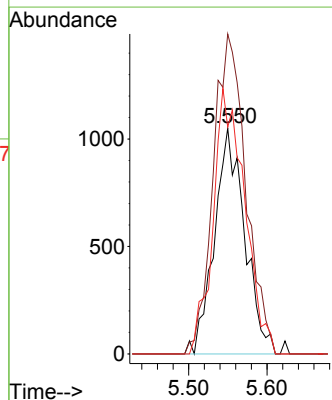
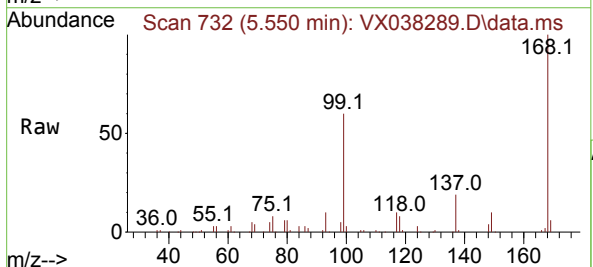
Tgt Ion: 56 Resp: 2822

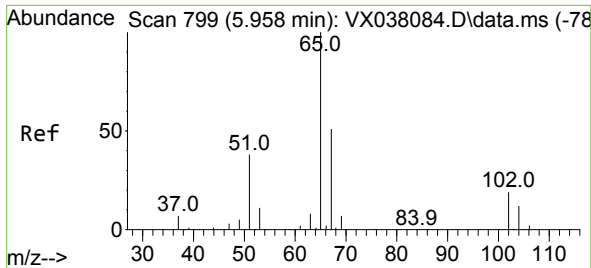
Ion Ratio Lower Upper

56 100

69 141.7 23.4 35.2#

84 100.5 65.9 98.9#

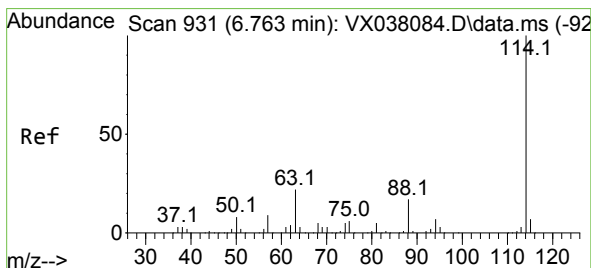
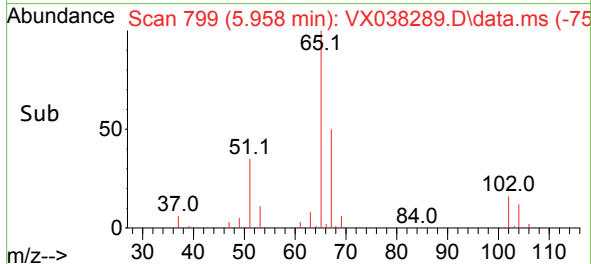
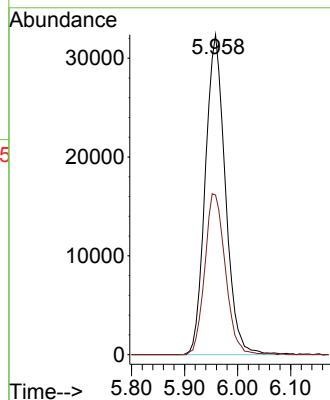
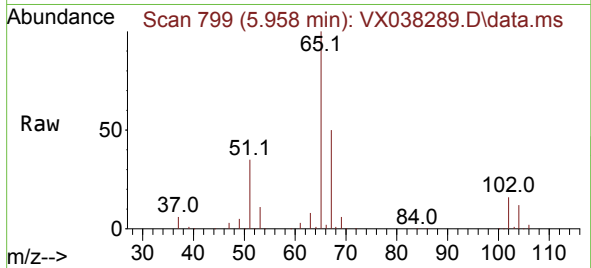




#33
1,2-Dichloroethane-d4
Concen: 47.204 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

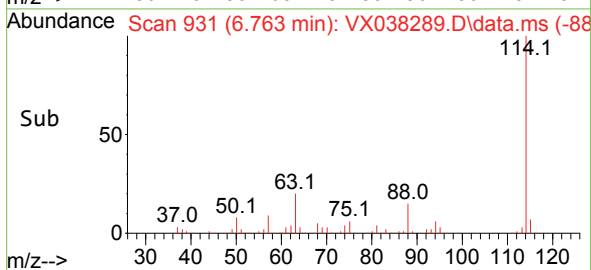
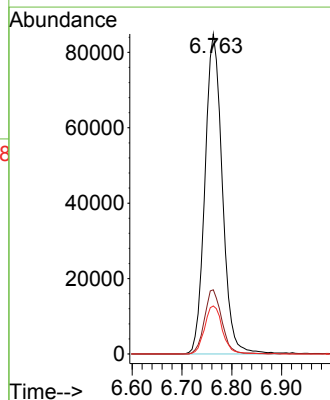
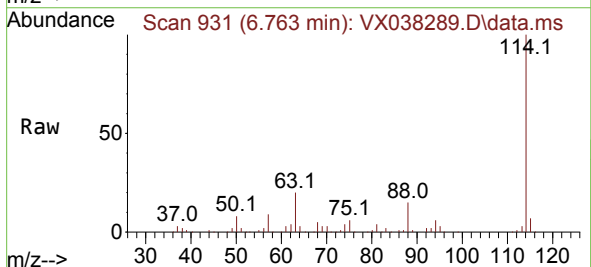
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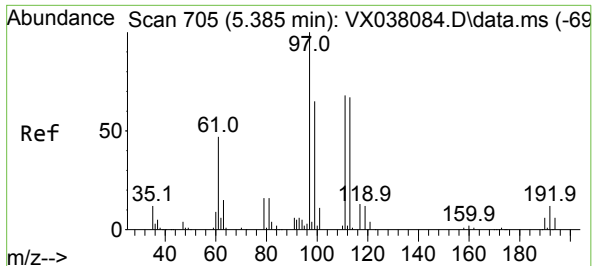
Tgt Ion: 65 Resp: 84827
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

Tgt Ion: 114 Resp: 205321
Ion Ratio Lower Upper
114 100
63 20.1 0.0 45.0
88 15.0 0.0 36.6

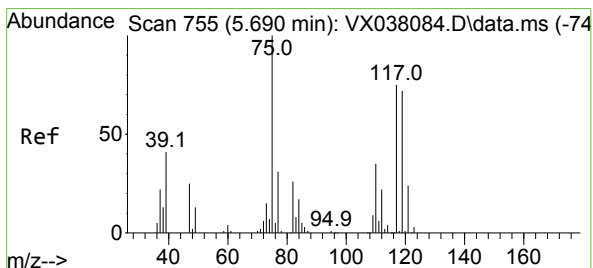
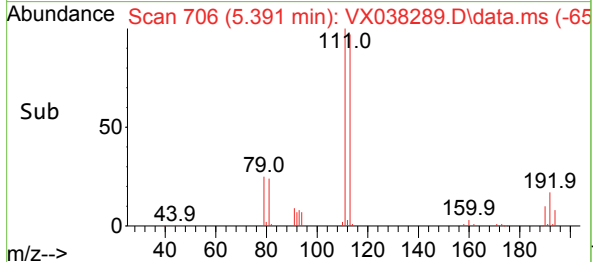
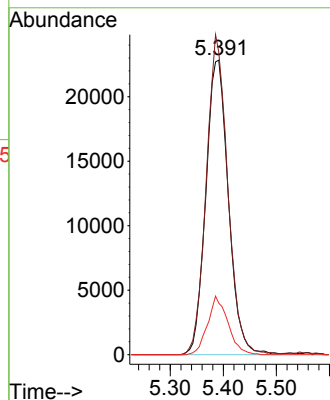
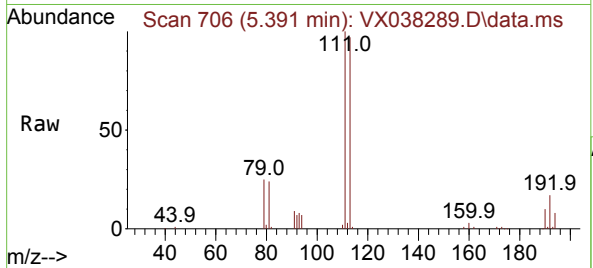




#35
Dibromofluoromethane
Concen: 45.676 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

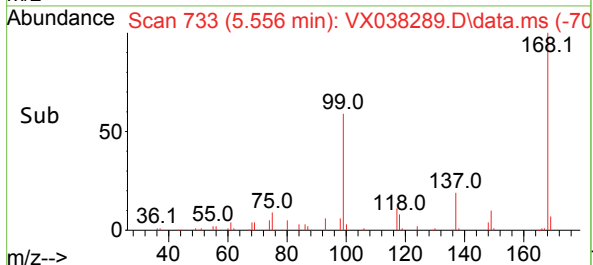
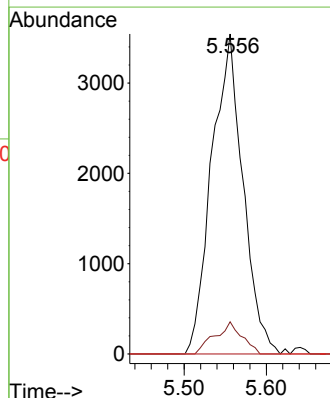
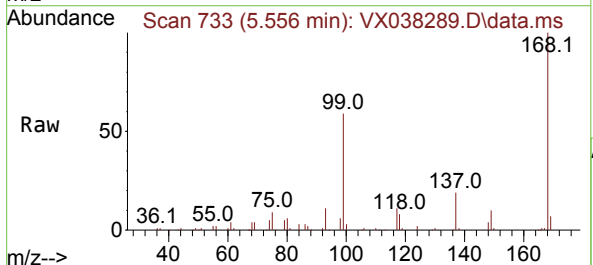
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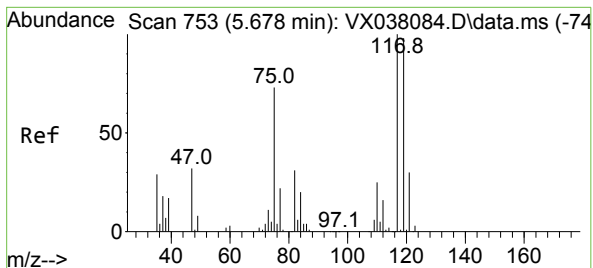
Tgt Ion:113 Resp: 67576
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 17.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.589 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

Tgt Ion: 75 Resp: 9362
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.857 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.122 min

Lab File: VX038289.D

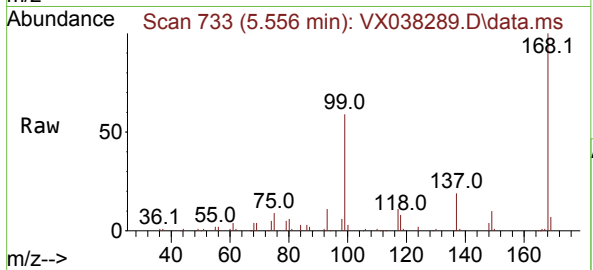
Acq: 13 Oct 2023 17:02

Instrument :

MSVOA_X

ClientSampleId :

GW-14-12-15



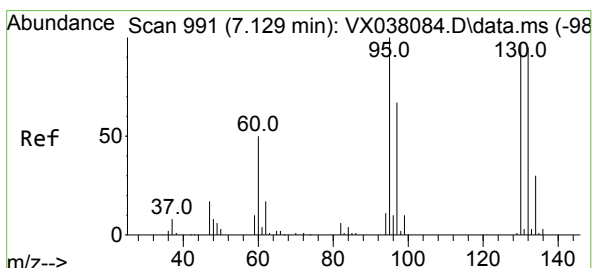
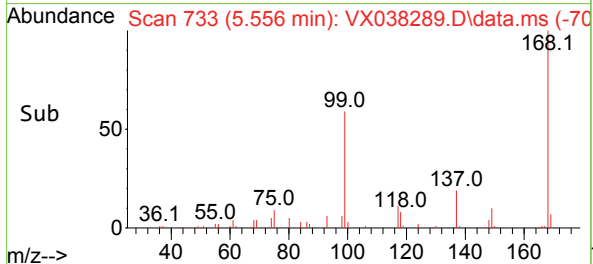
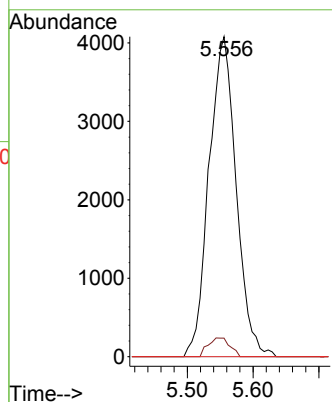
Tgt Ion:117 Resp: 11755

Ion Ratio Lower Upper

117 100

119 5.8 78.2 117.2#

121 0.0 24.4 36.6#



#44

Trichloroethene

Concen: 3.797 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX038289.D

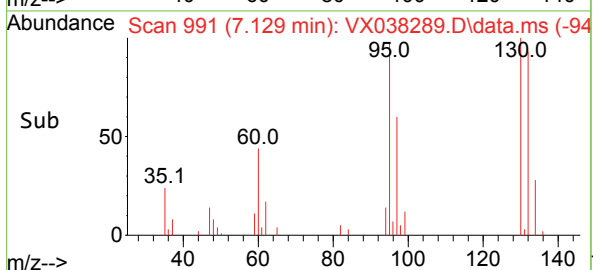
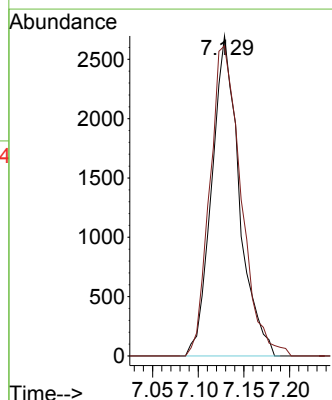
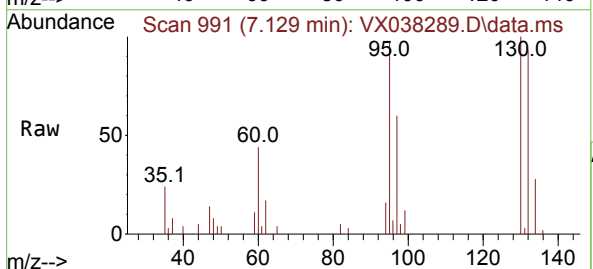
Acq: 13 Oct 2023 17:02

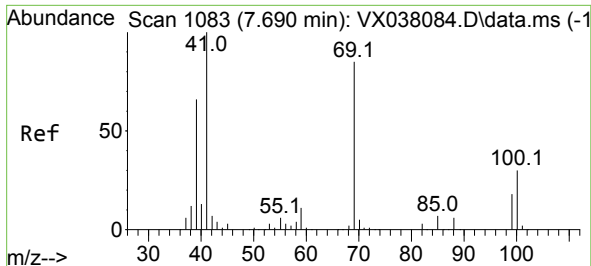
Tgt Ion:130 Resp: 5667

Ion Ratio Lower Upper

130 100

95 96.9 0.0 204.4

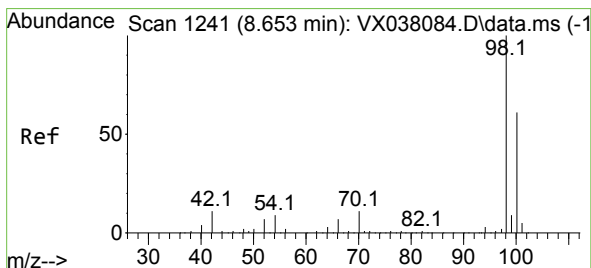
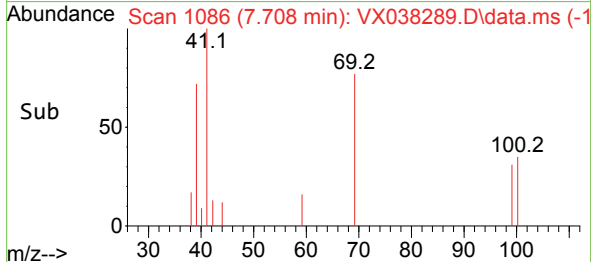
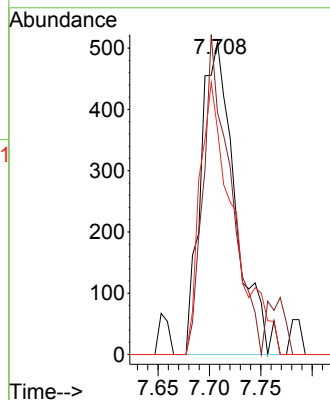
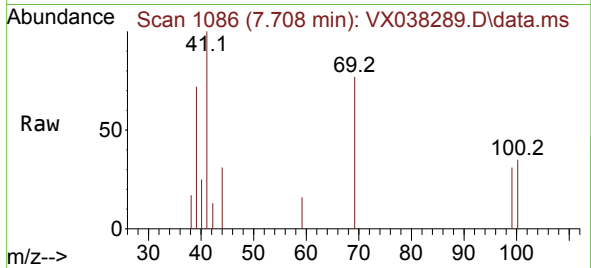




#48
Methyl methacrylate
Concen: 0.690 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.018 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

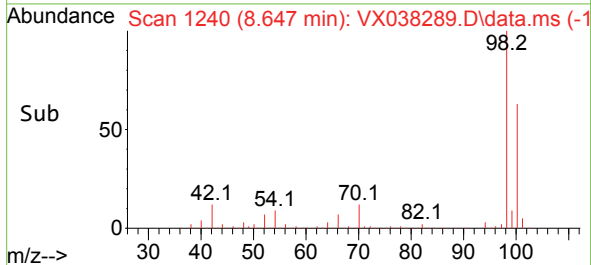
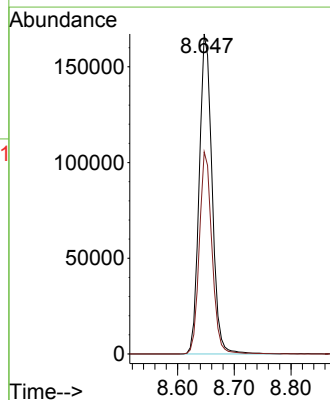
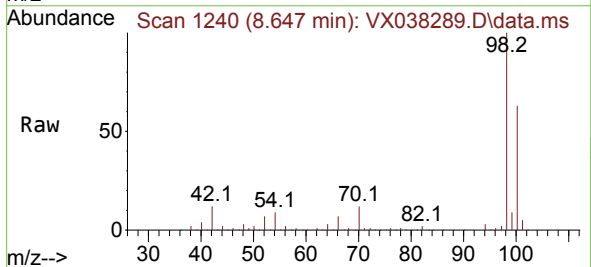
Instrument :
MSVOA_X
ClientSampleId :
GW-14-12-15

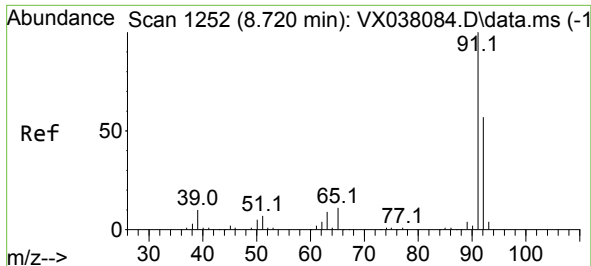
Tgt Ion: 41 Resp: 1191
Ion Ratio Lower Upper
41 100
69 80.7 59.2 88.8
39 86.1 47.7 71.5#



#50
Toluene-d8
Concen: 46.453 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

Tgt Ion: 98 Resp: 262619
Ion Ratio Lower Upper
98 100
100 62.4 53.1 79.7





#52

Toluene

Concen: 61.847 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX038289.D

Acq: 13 Oct 2023 17:02

Instrument :

MSVOA_X

ClientSampleId :

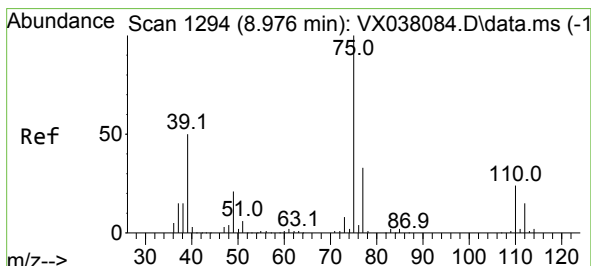
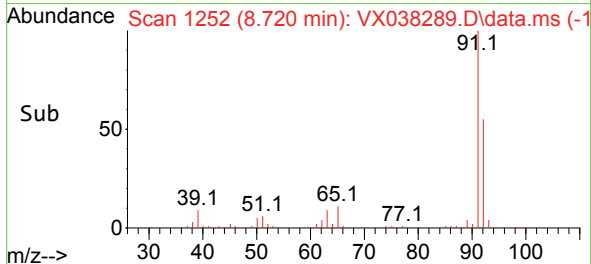
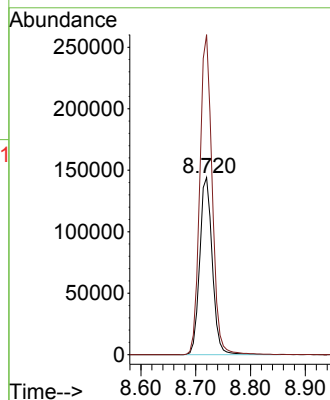
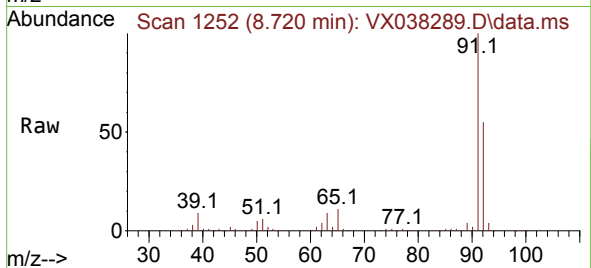
GW-14-12-15

Tgt Ion: 92 Resp: 229891

Ion Ratio Lower Upper

92 100

91 178.3 134.2 201.2



#53

t-1,3-Dichloropropene

Concen: 1.298 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.262 min

Lab File: VX038289.D

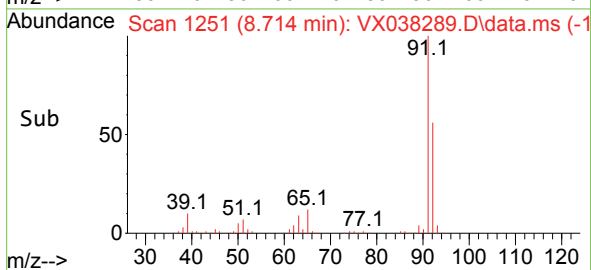
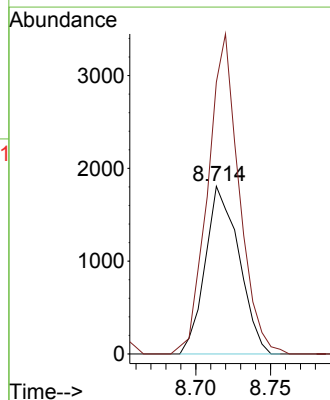
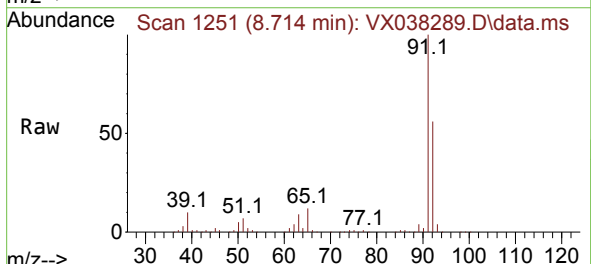
Acq: 13 Oct 2023 17:02

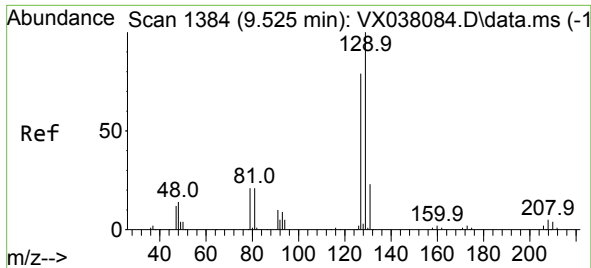
Tgt Ion: 75 Resp: 2839

Ion Ratio Lower Upper

75 100

77 159.4 25.7 38.5#

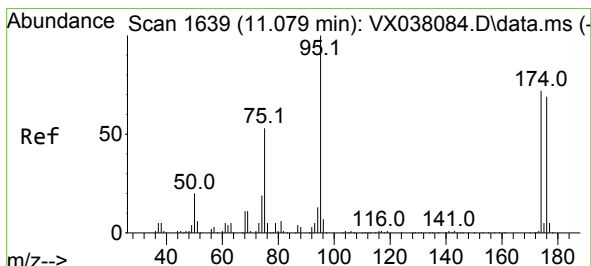
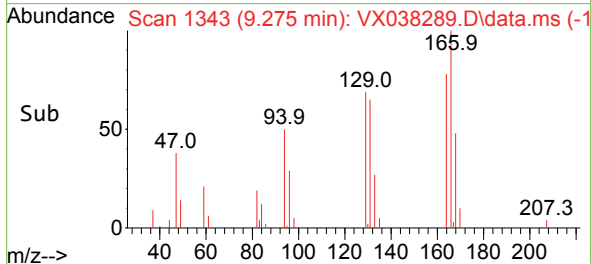
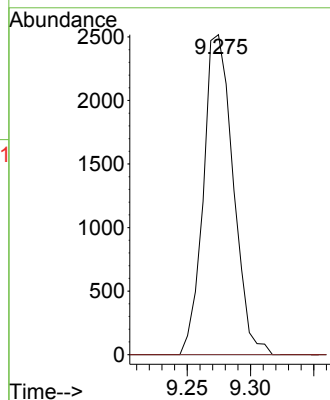
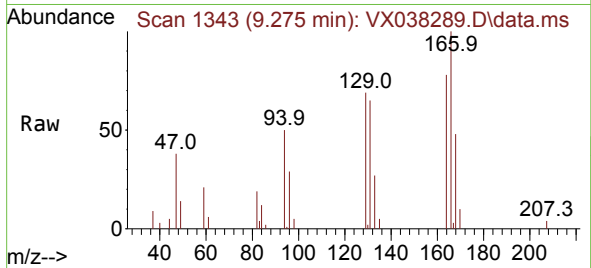




#60
Dibromochloromethane
Concen: 2.650 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

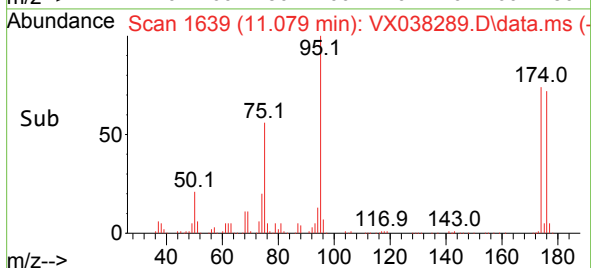
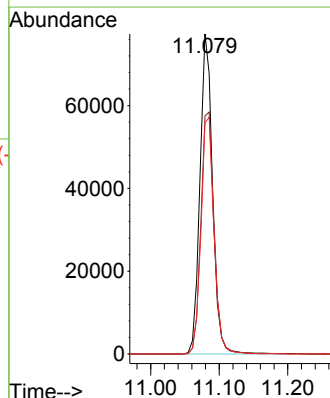
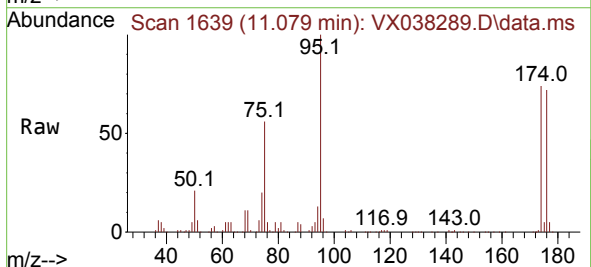
Instrument :
MSVOA_X
ClientSampleId :
GW-14-12-15

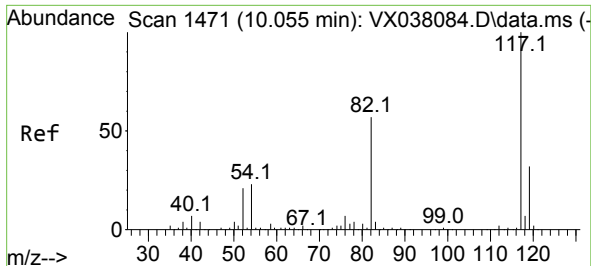
Tgt Ion:129 Resp: 4123
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 46.072 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

Tgt Ion: 95 Resp: 98745
Ion Ratio Lower Upper
95 100
174 79.9 0.0 135.6
176 76.7 0.0 131.0

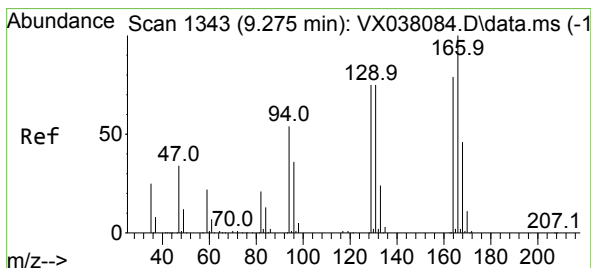
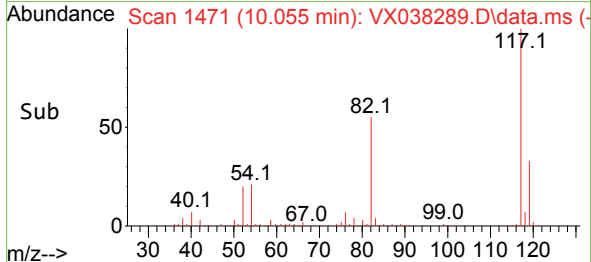
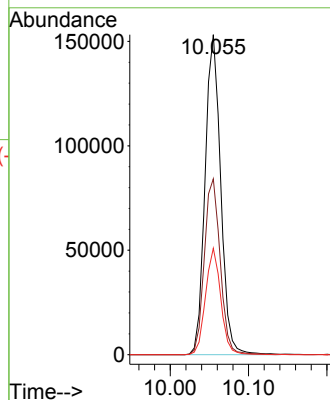
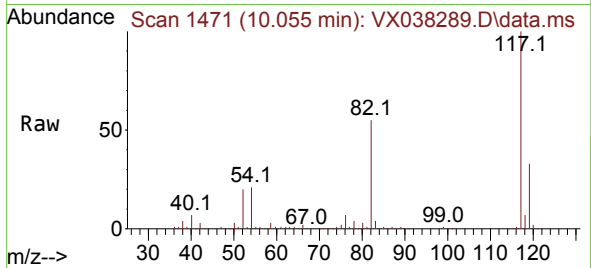




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

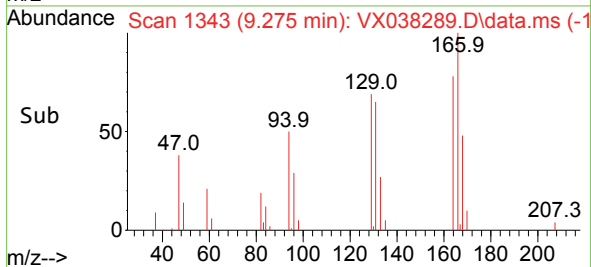
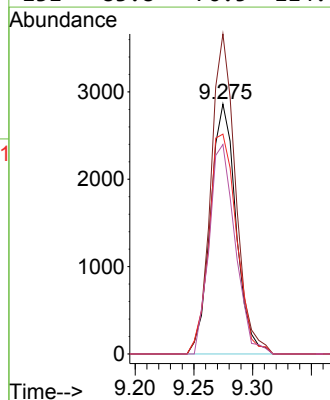
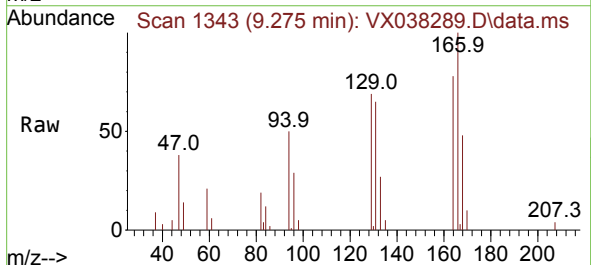
Instrument :
MSVOA_X
ClientSampleId :
GW-14-12-15

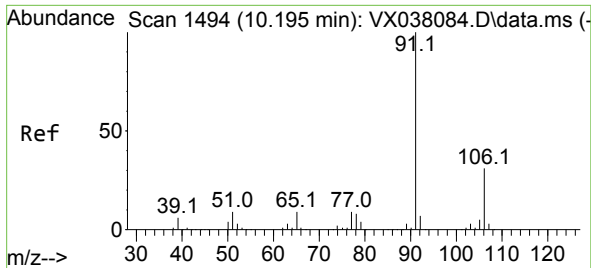
Tgt Ion:117	Resp:	211924	
Ion	Ratio	Lower	Upper
117	100		
82	54.9	46.2	69.4
119	33.3	25.5	38.3



#64
Tetrachloroethene
Concen: 3.159 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

Tgt	Ion:164	Resp:	4334
Ion	Ratio	Lower	Upper
164	100		
166	128.0	102.7	154.1
129	88.0	80.4	120.6
131	83.8	76.5	114.7

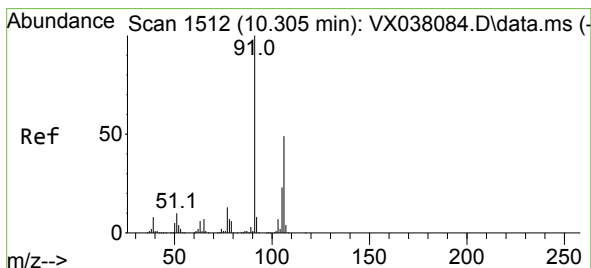
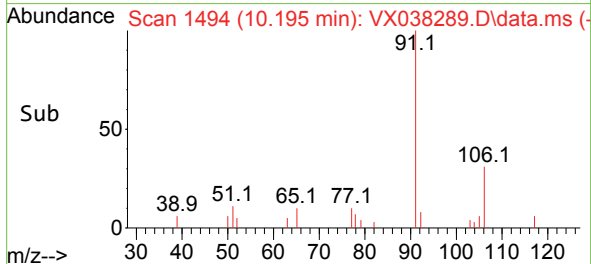
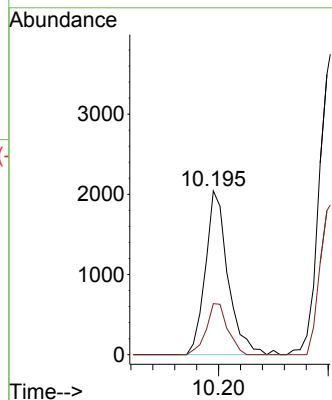
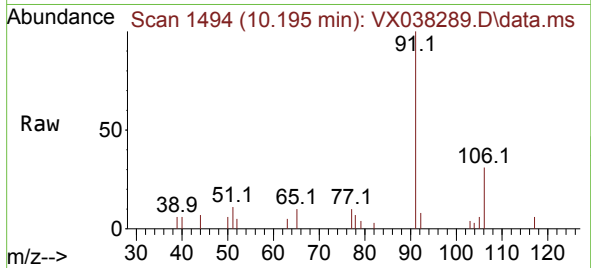




#67
Ethyl Benzene
Concen: 0.369 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

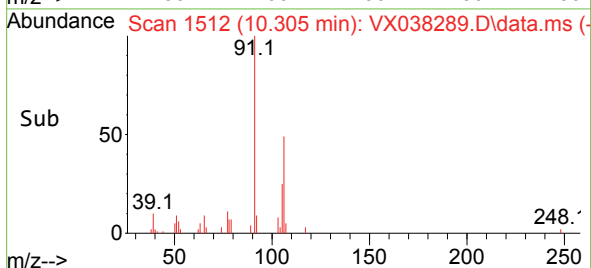
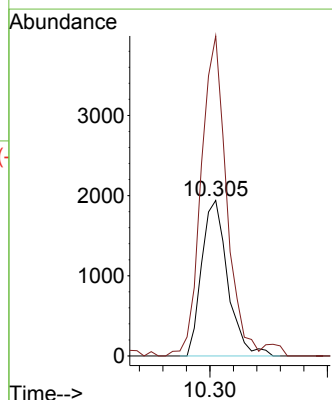
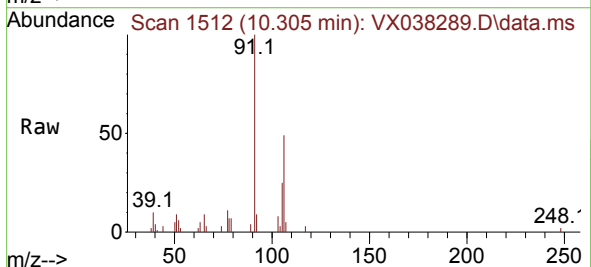
Instrument :
MSVOA_X
ClientSampleId :
GW-14-12-15

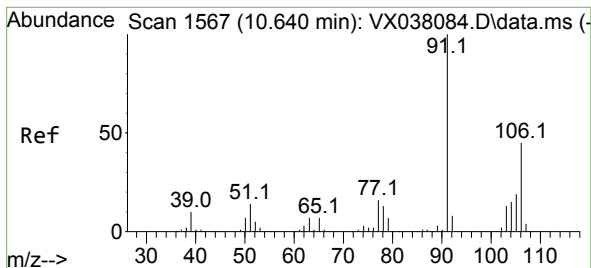
Tgt Ion: 91 Resp: 2918
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3



#68
m/p-Xylenes
Concen: 0.974 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

Tgt Ion: 106 Resp: 2980
Ion Ratio Lower Upper
106 100
91 200.6 165.5 248.3





#69

o-Xylene

Concen: 0.494 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038289.D

Acq: 13 Oct 2023 17:02

Instrument :

MSVOA_X

ClientSampleId :

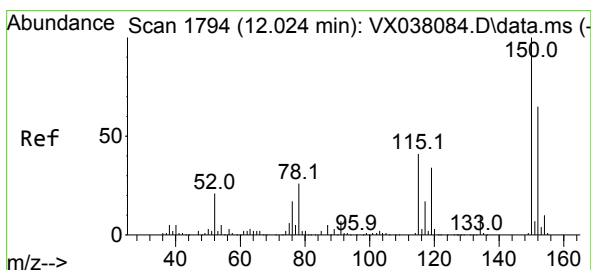
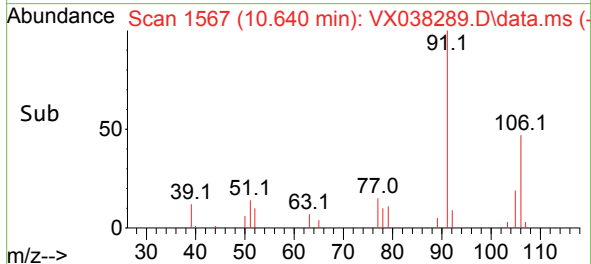
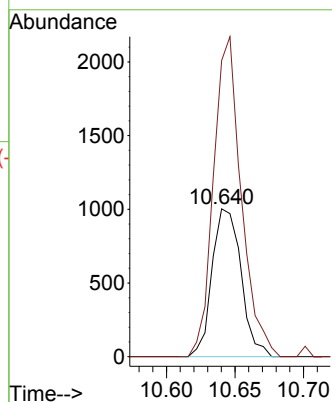
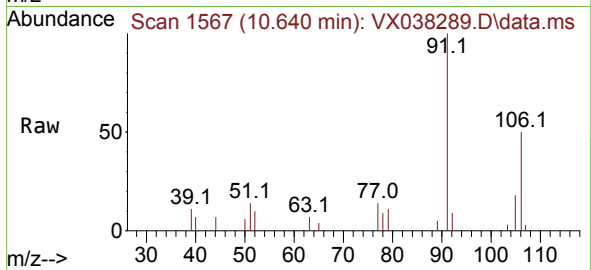
GW-14-12-15

Tgt Ion:106 Resp: 1475

Ion Ratio Lower Upper

106 100

91 207.3 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX038289.D

Acq: 13 Oct 2023 17:02

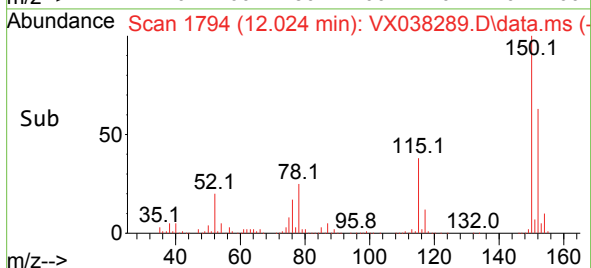
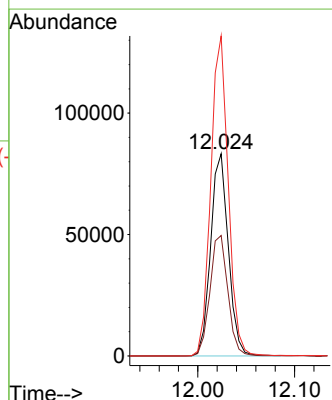
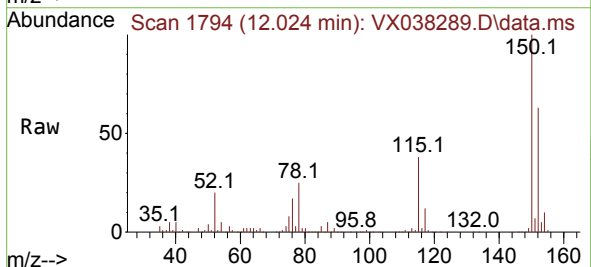
Tgt Ion:152 Resp: 106043

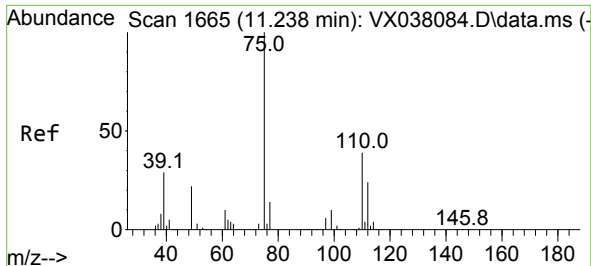
Ion Ratio Lower Upper

152 100

115 60.5 43.3 129.9

150 156.1 0.0 345.0

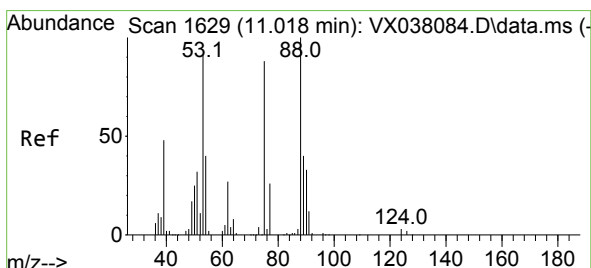
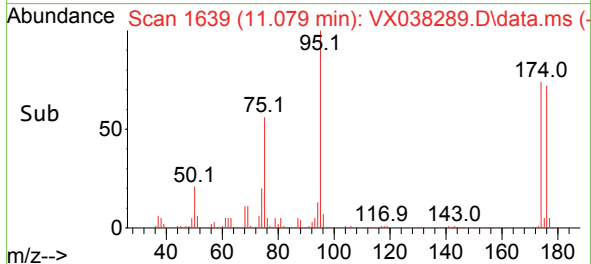
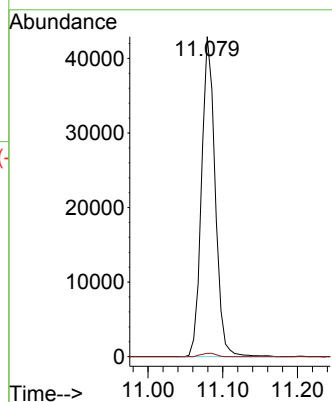
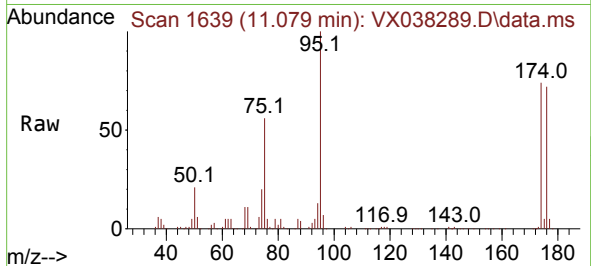




#76
1,2,3-Trichloropropane
Concen: 22.530 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

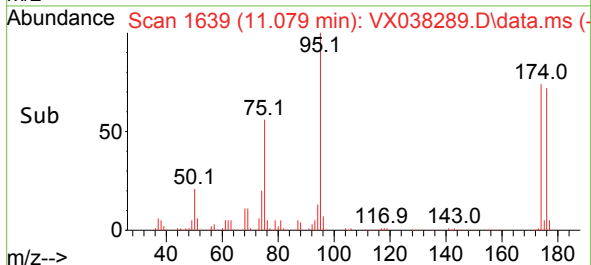
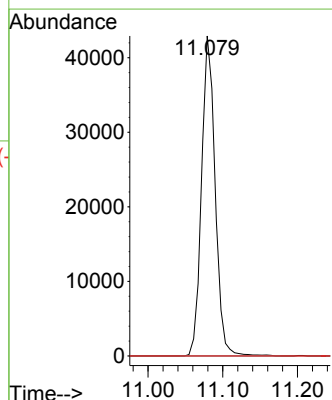
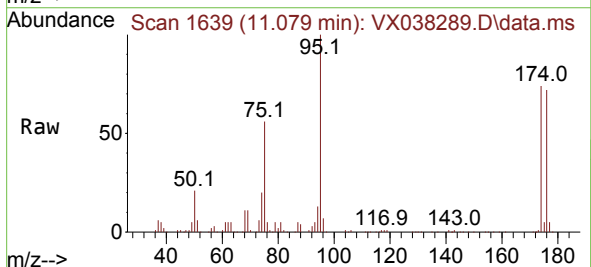
Instrument :
MSVOA_X
ClientSampleId :
GW-14-12-15

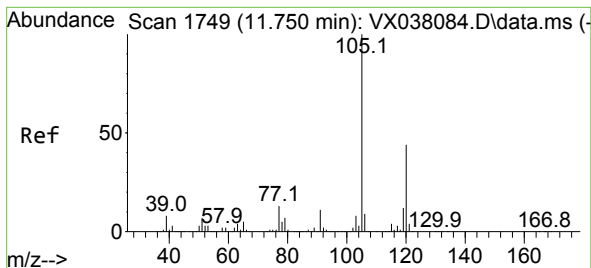
Tgt Ion: 75 Resp: 54315
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.514 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038289.D
Acq: 13 Oct 2023 17:02

Tgt Ion: 75 Resp: 54315
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.209 ug/l

RT: 11.762 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX038289.D

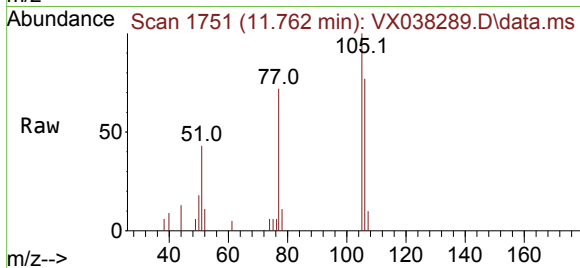
Acq: 13 Oct 2023 17:02

Instrument :

MSVOA_X

ClientSampleId :

GW-14-12-15



Tgt Ion:105 Resp: 1280

Ion Ratio Lower Upper

105 100

120 0.0 21.2 63.6#

