

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102023\
 Data File : VX038400.D
 Acq On : 20 Oct 2023 14:20
 Operator : JC/MD
 Sample : 04985-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-21-23-26

Quant Time: Oct 21 01:39:56 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)

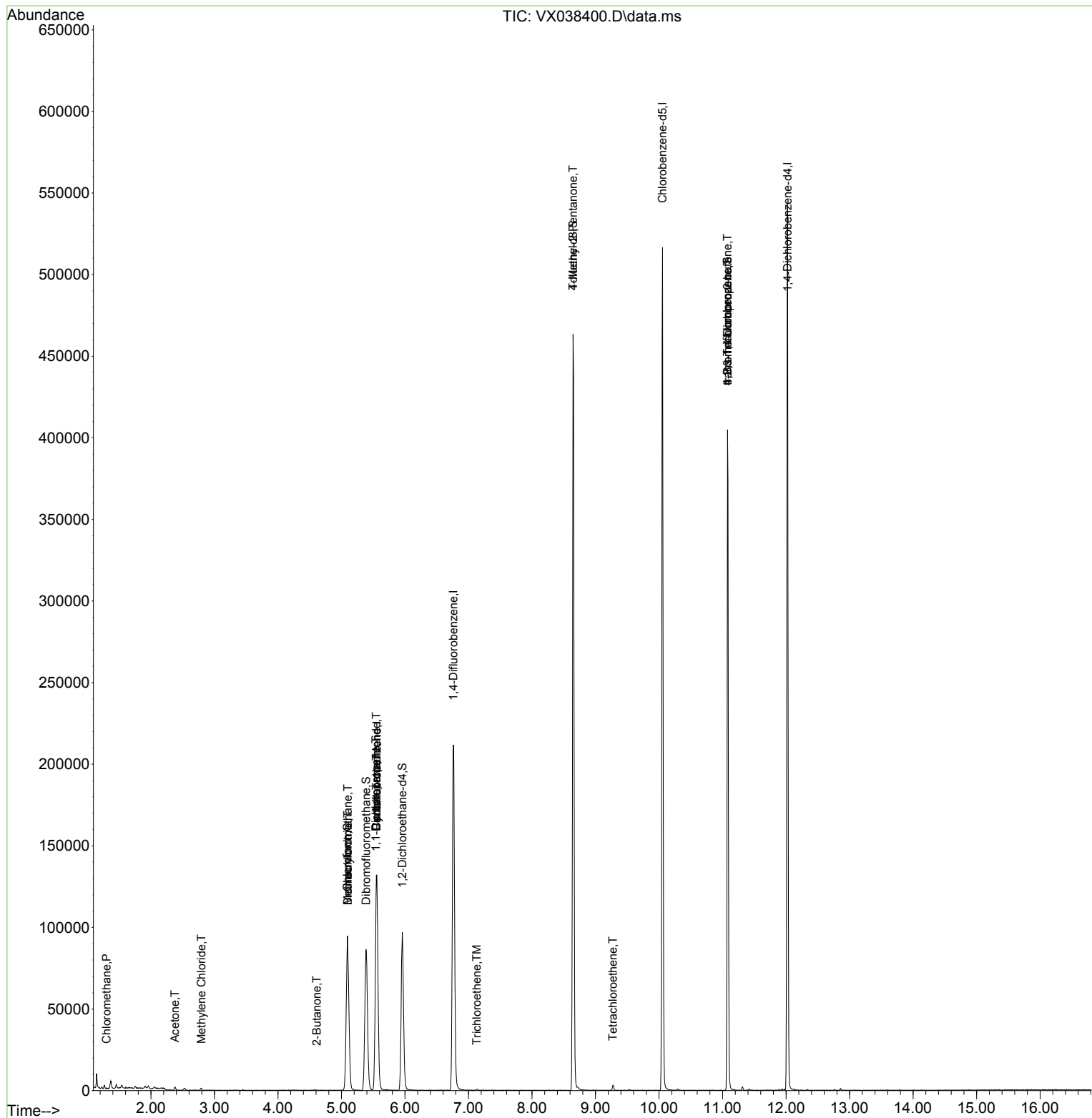
Internal Standards						
1) Pentafluorobenzene	5.556	168	124339	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	223548	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90277	45.140	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.280%		
35) Dibromofluoromethane	5.385	113	74662	46.351	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.700%		
50) Toluene-d8	8.647	98	278790	45.293	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.580%#		
62) 4-Bromofluorobenzene	11.079	95	103582	44.389	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.780%		
Target Compounds					Qvalue	
3) Chloromethane	1.301	50	482	0.394	ug/l #	67
5) Bromomethane	1.618	94	63	Below Cal	#	3
6) Chloroethane	1.691	64	65	Below Cal	#	43
16) Acetone	2.380	43	2078	2.490	ug/l	92
20) Methylene Chloride	2.794	84	622	0.396	ug/l #	80
25) 2-Butanone	4.611	43	281	0.209	ug/l #	51
28) Bromochloromethane	5.099	49	8833	7.560	ug/l #	16
30) Chloroform	5.093	83	107118	37.849	ug/l	99
31) Cyclohexane	5.550	56	2898	1.337	ug/l #	24
36) 1,1-Dichloropropene	5.544	75	10187	4.586	ug/l #	42
38) Carbon Tetrachloride	5.550	117	13239	6.059	ug/l #	14
41) Methacrylonitrile	5.099	41	282	0.215	ug/l #	25
44) Trichloroethene	7.129	130	325	0.200	ug/l	59
51) 4-Methyl-2-Pentanone	8.647	43	1147	0.422	ug/l #	1
64) Tetrachloroethene	9.275	164	385	0.260	ug/l #	86
76) 1,2,3-Trichloropropane	11.079	75	56755	21.627	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	56755	62.088	ug/l #	5

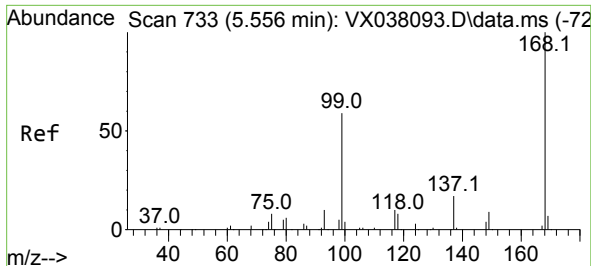
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 21 01:39:56 2023
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Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
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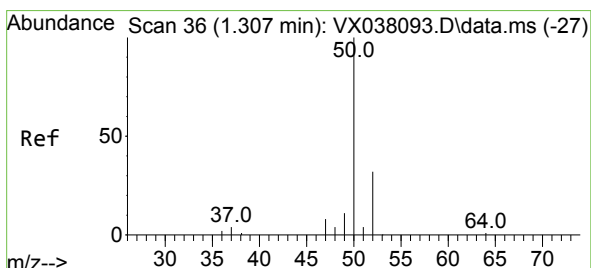
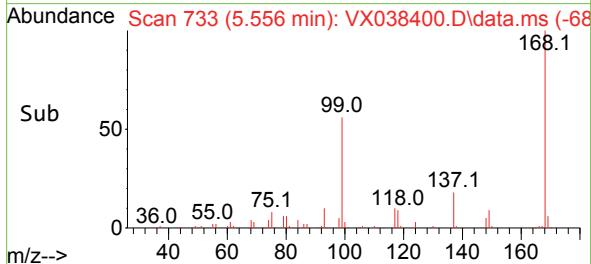
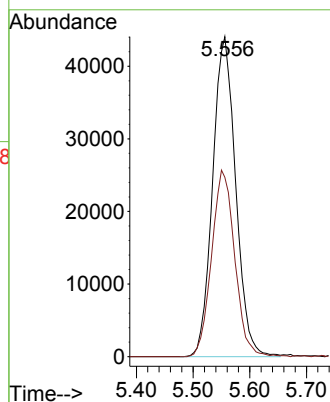
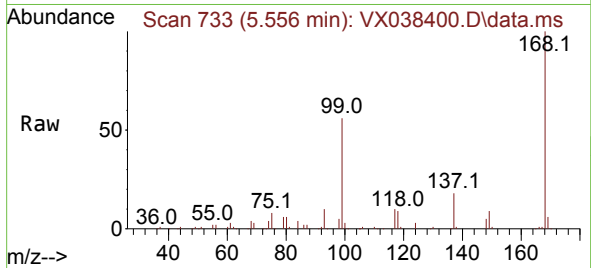




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038400.D
Acq: 20 Oct 2023 14:20

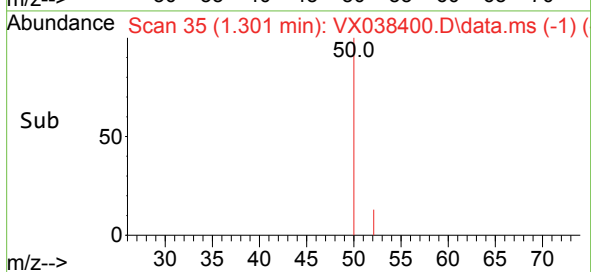
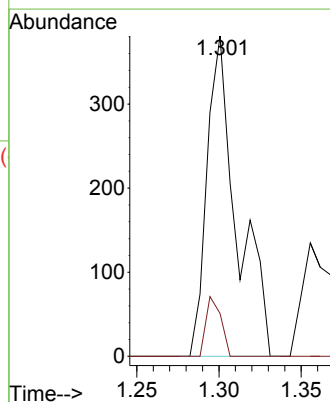
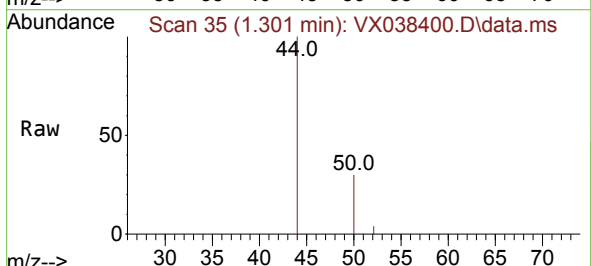
Instrument :
MSVOA_X
ClientSampleId :
GW-21-23-26

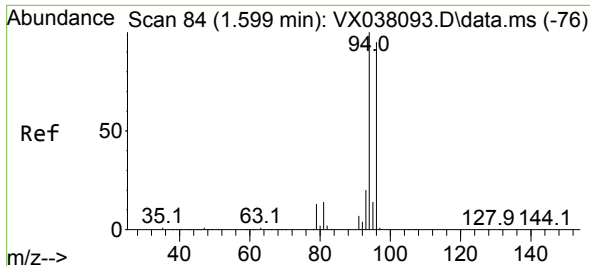
Tgt Ion:168 Resp: 124339
Ion Ratio Lower Upper
168 100
99 56.1 56.6 85.0#



#3
Chloromethane
Concen: 0.394 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX038400.D
Acq: 20 Oct 2023 14:20

Tgt Ion: 50 Resp: 482
Ion Ratio Lower Upper
50 100
52 13.4 25.5 38.3#

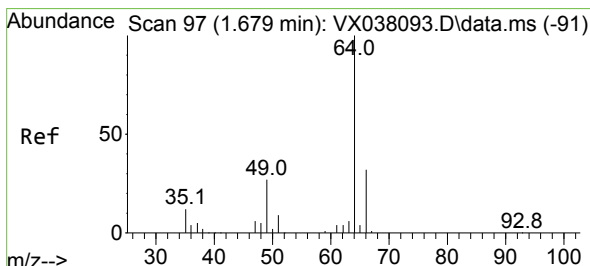
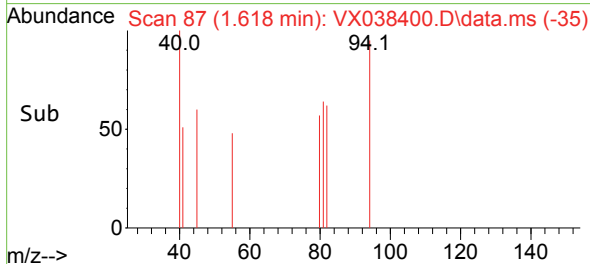
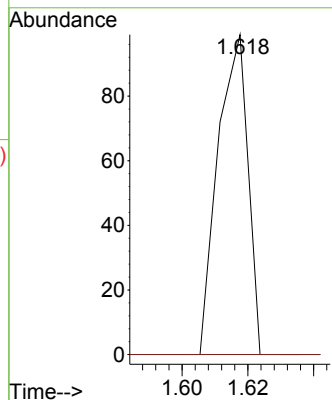
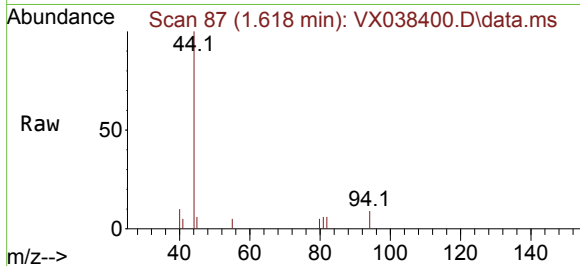




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX038400.D
Acq: 20 Oct 2023 14:20

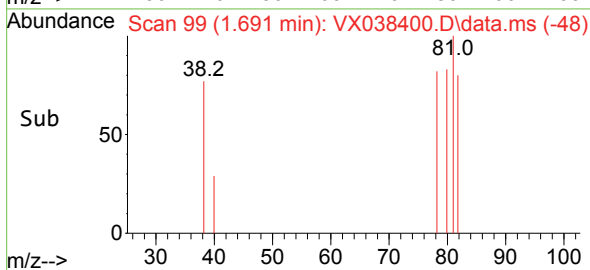
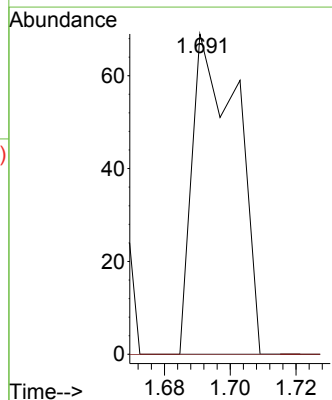
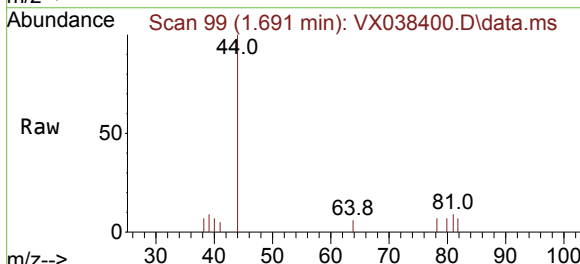
Instrument :
MSVOA_X
ClientSampleId :
GW-21-23-26

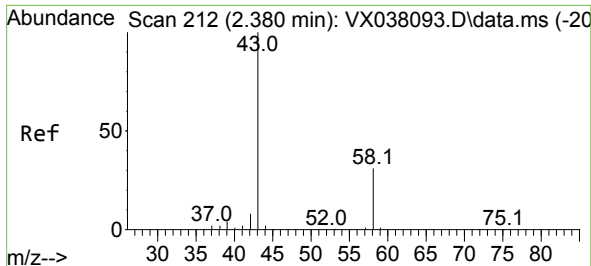
Tgt Ion: 94 Resp: 63
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX038400.D
Acq: 20 Oct 2023 14:20

Tgt Ion: 64 Resp: 65
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

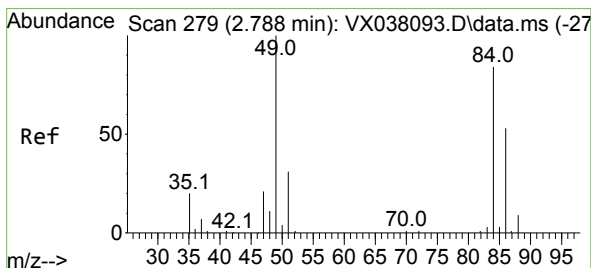
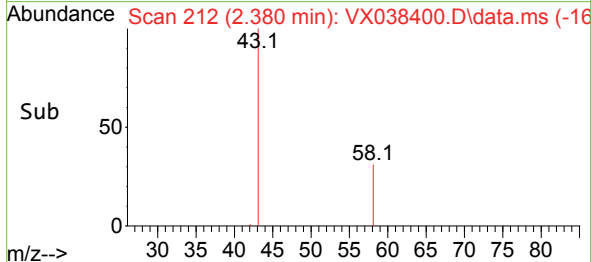
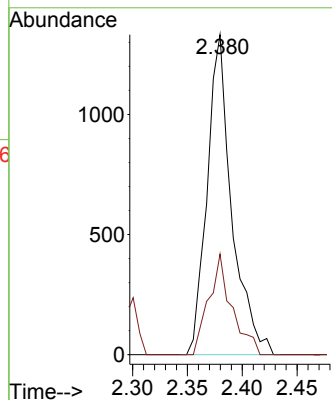
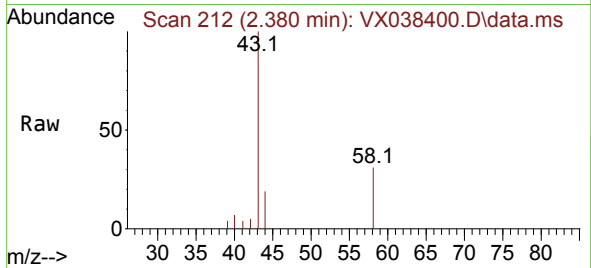




#16
Acetone
Concen: 2.490 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038400.D
Acq: 20 Oct 2023 14:20

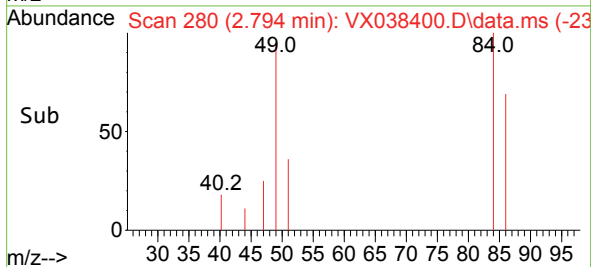
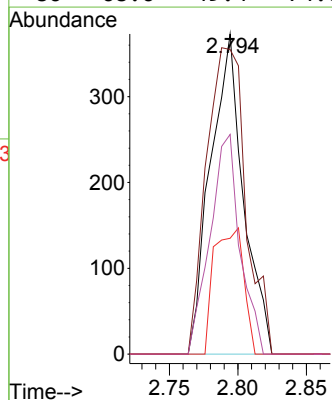
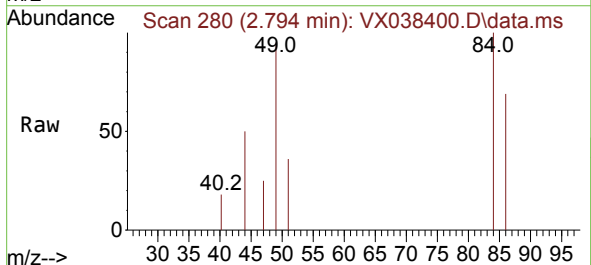
Instrument :
MSVOA_X
ClientSampleId :
GW-21-23-26

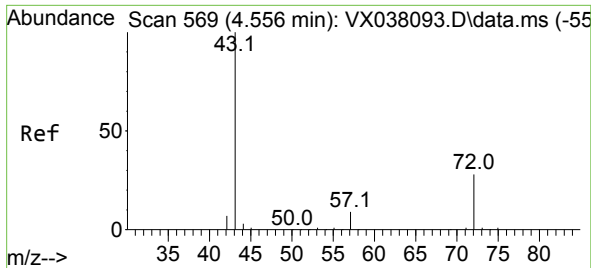
Tgt Ion: 43 Resp: 2078
Ion Ratio Lower Upper
43 100
58 31.5 21.9 32.9



#20
Methylene Chloride
Concen: 0.396 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX038400.D
Acq: 20 Oct 2023 14:20

Tgt Ion: 84 Resp: 622
Ion Ratio Lower Upper
84 100
49 95.2 103.6 155.4#
51 36.2 33.8 50.6
86 68.6 49.4 74.0

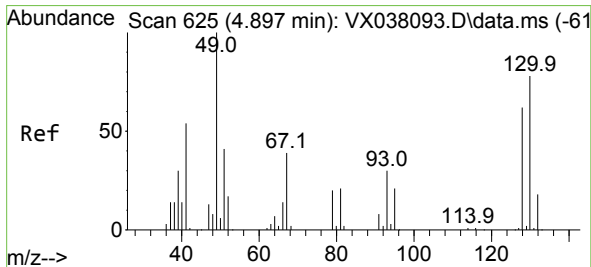
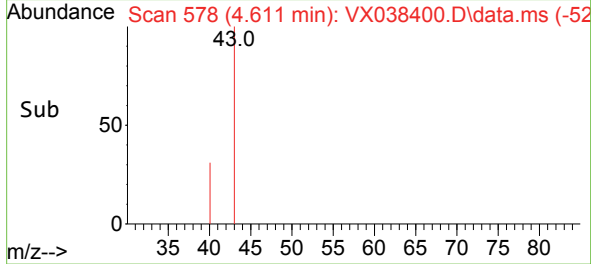
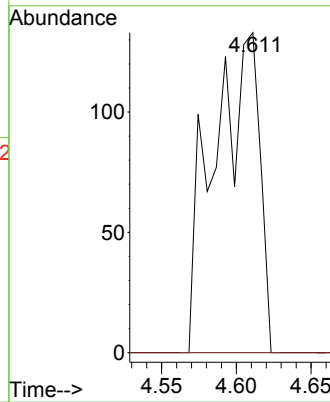
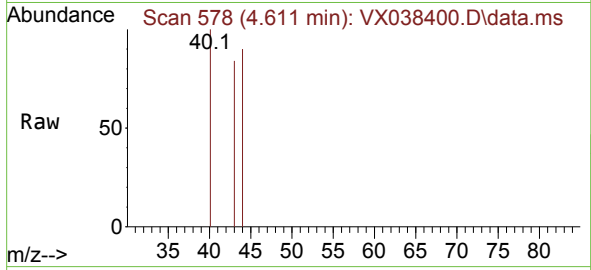




#25
2-Butanone
Concen: 0.209 ug/l
RT: 4.611 min Scan# 51
Delta R.T. 0.055 min
Lab File: VX038400.D
Acq: 20 Oct 2023 14:20

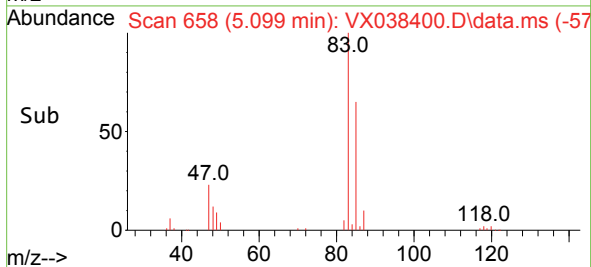
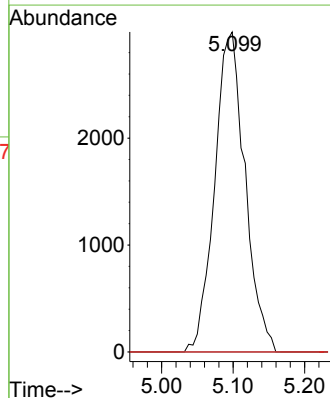
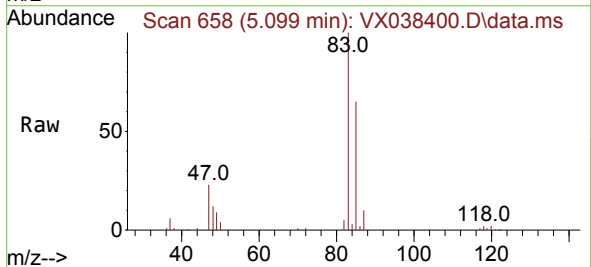
Instrument :
MSVOA_X
ClientSampleId :
GW-21-23-26

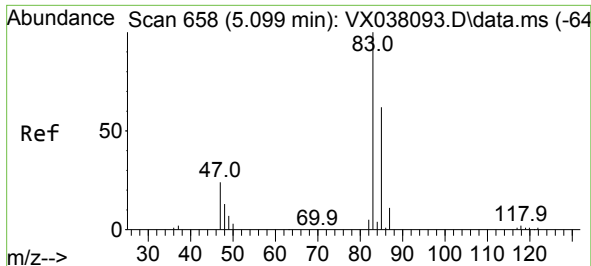
Tgt Ion: 43 Resp: 281
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#28
Bromochloromethane
Concen: 7.560 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.202 min
Lab File: VX038400.D
Acq: 20 Oct 2023 14:20

Tgt Ion: 49 Resp: 8833
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#





#30

Chloroform

Concen: 37.849 ug/l

RT: 5.093 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX038400.D

Acq: 20 Oct 2023 14:20

Instrument :

MSVOA_X

ClientSampleId :

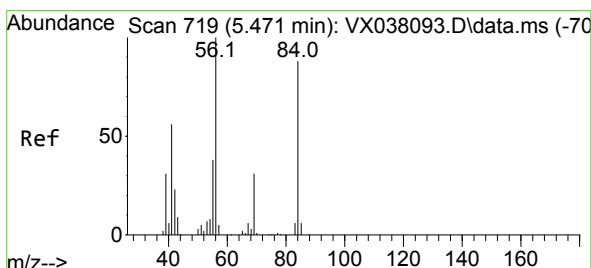
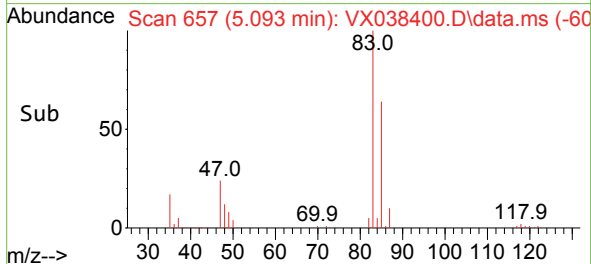
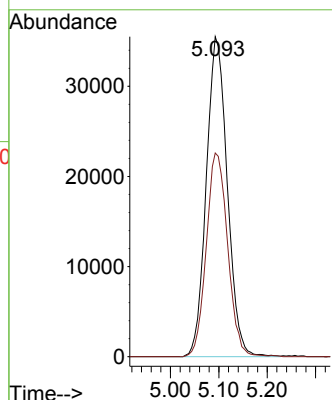
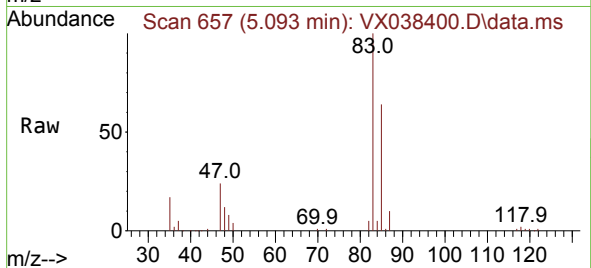
GW-21-23-26

Tgt Ion: 83 Resp: 107118

Ion Ratio Lower Upper

83 100

85 63.7 50.3 75.5



#31

Cyclohexane

Concen: 1.337 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX038400.D

Acq: 20 Oct 2023 14:20

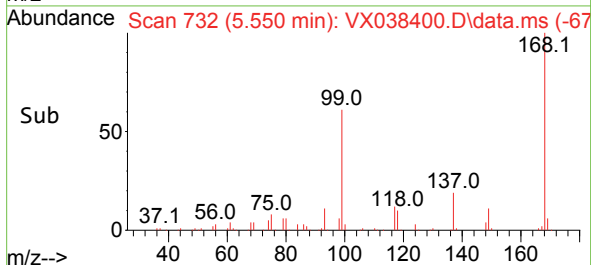
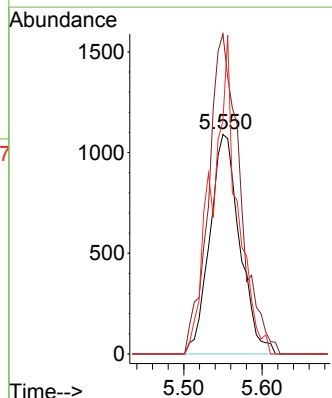
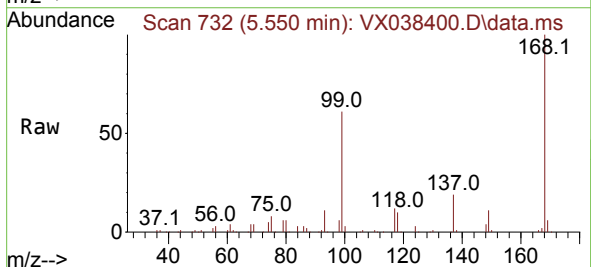
Tgt Ion: 56 Resp: 2898

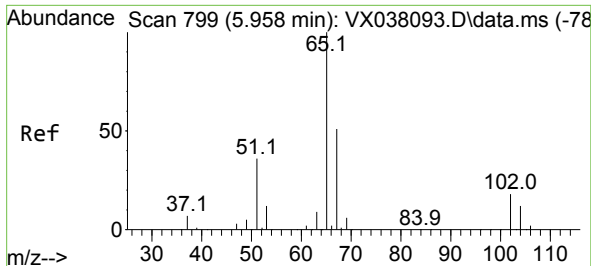
Ion Ratio Lower Upper

56 100

69 145.8 23.4 35.2#

84 106.1 65.9 98.9#

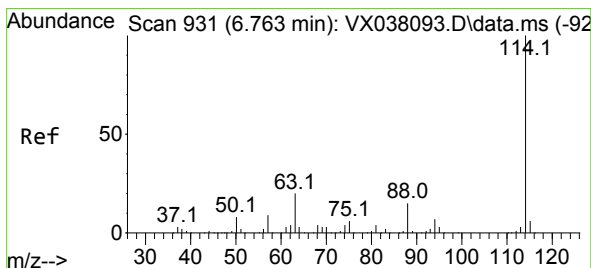
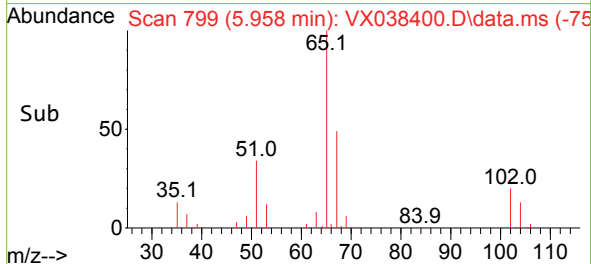
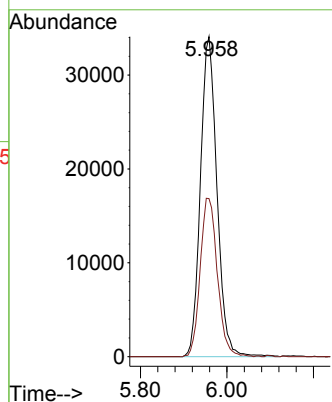
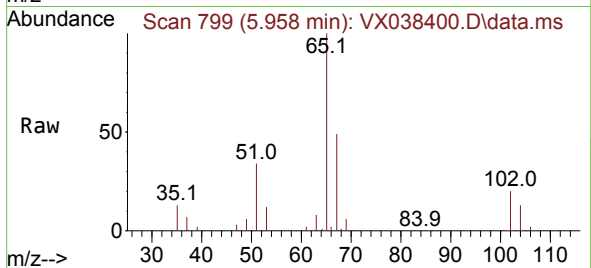




#33
 1,2-Dichloroethane-d4
 Concen: 45.140 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX038400.D
 Acq: 20 Oct 2023 14:20

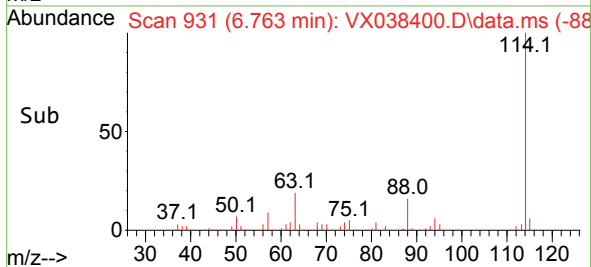
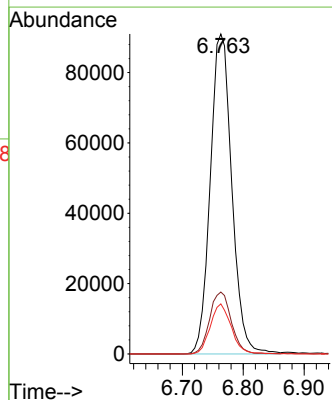
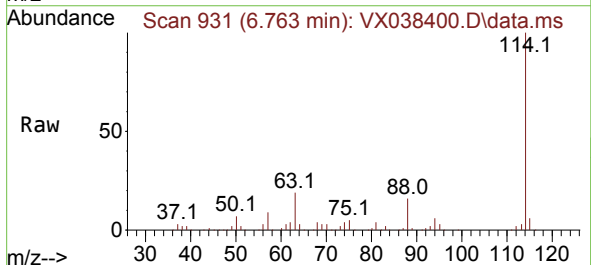
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 GW-21-23-26

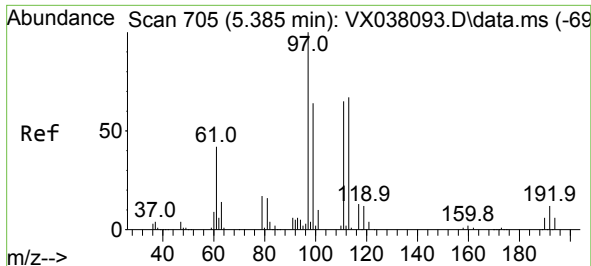
Tgt Ion: 65 Resp: 90277
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX038400.D
 Acq: 20 Oct 2023 14:20

Tgt Ion: 114 Resp: 223548
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 45.0
 88 15.7 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.351 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX038400.D

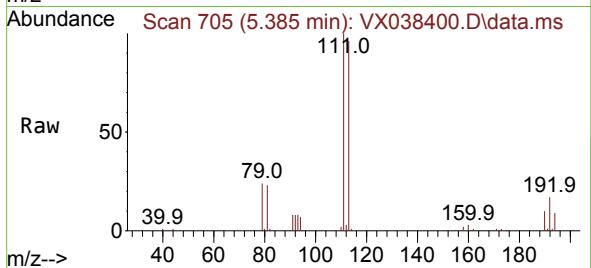
Acq: 20 Oct 2023 14:20

Instrument :

MSVOA_X

ClientSampleId :

GW-21-23-26



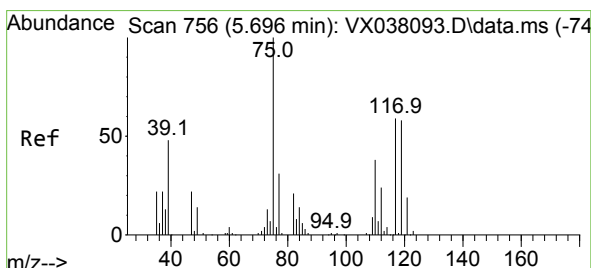
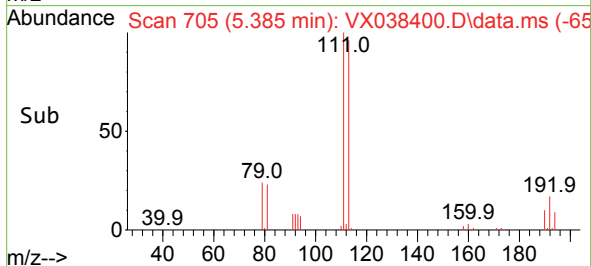
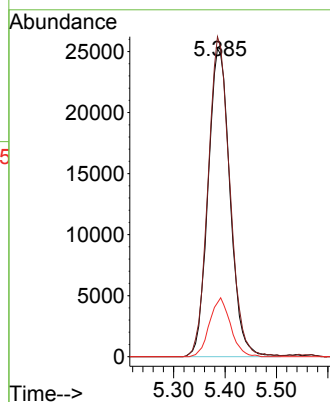
Tgt Ion:113 Resp: 74662

Ion Ratio Lower Upper

113 100

111 103.1 82.9 124.3

192 18.3 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.586 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX038400.D

Acq: 20 Oct 2023 14:20

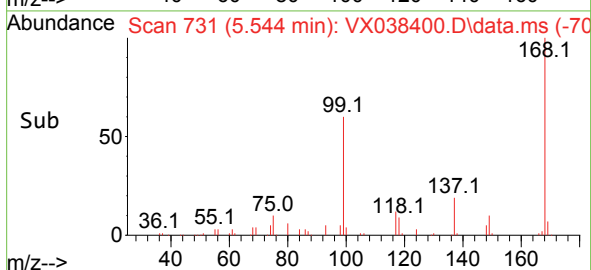
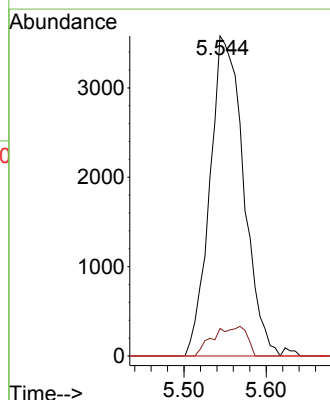
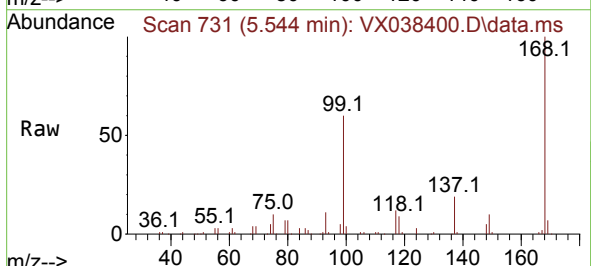
Tgt Ion: 75 Resp: 10187

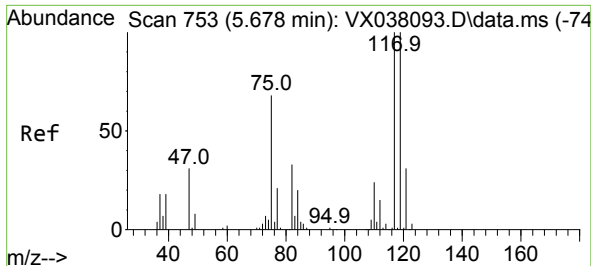
Ion Ratio Lower Upper

75 100

110 0.0 17.0 50.9#

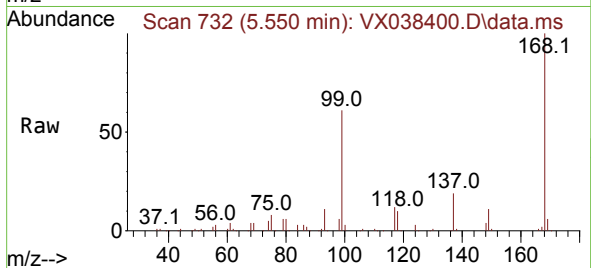
77 0.0 24.7 37.1#



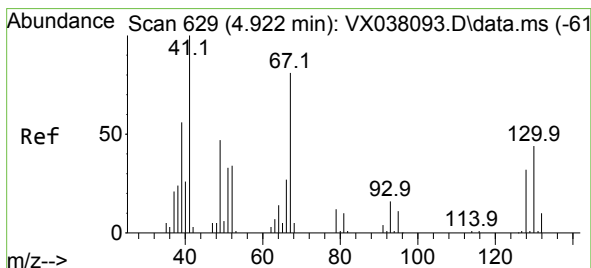
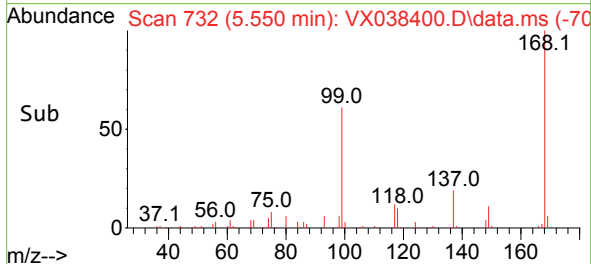
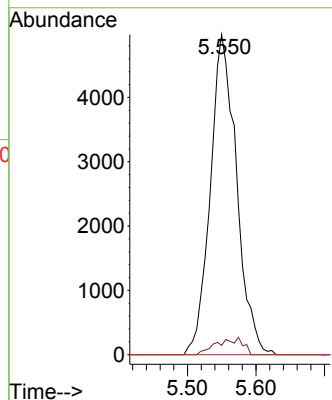


#38
Carbon Tetrachloride
Concen: 6.059 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038400.D
Acq: 20 Oct 2023 14:20

Instrument :
MSVOA_X
ClientSampleId :
GW-21-23-26

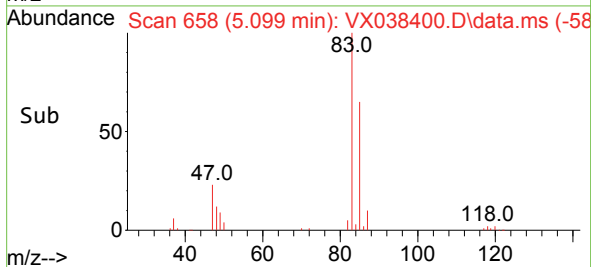
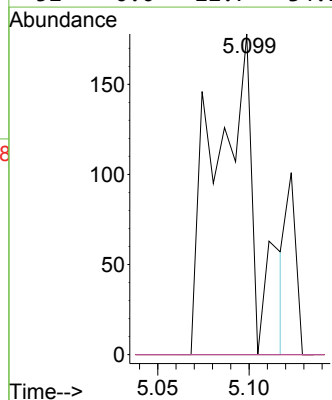
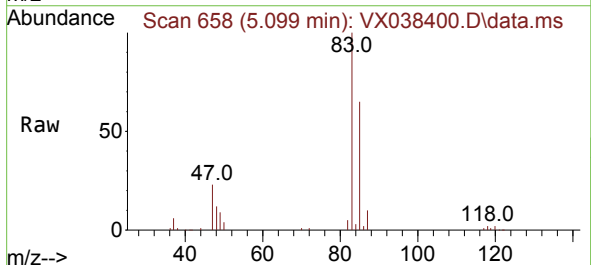


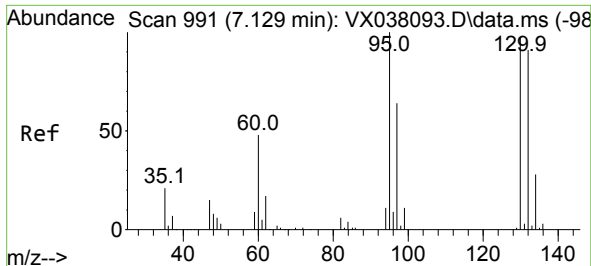
Tgt Ion:117 Resp: 13239
Ion Ratio Lower Upper
117 100
119 2.9 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.215 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.177 min
Lab File: VX038400.D
Acq: 20 Oct 2023 14:20

Tgt Ion: 41 Resp: 282
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

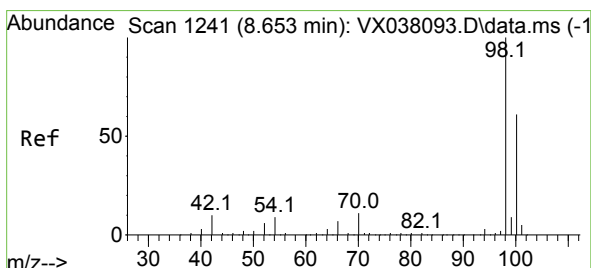
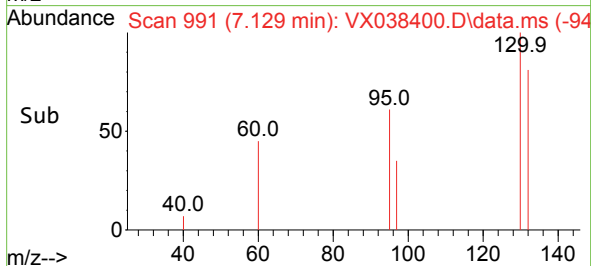
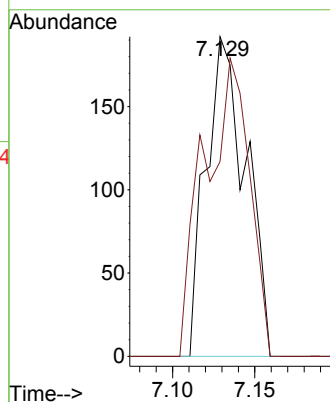
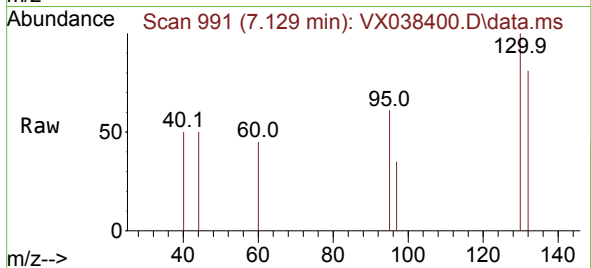




#44
 Trichloroethene
 Concen: 0.200 ug/l
 RT: 7.129 min Scan# 991
 Delta R.T. -0.000 min
 Lab File: VX038400.D
 Acq: 20 Oct 2023 14:20

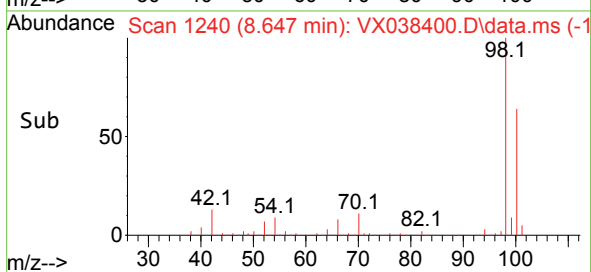
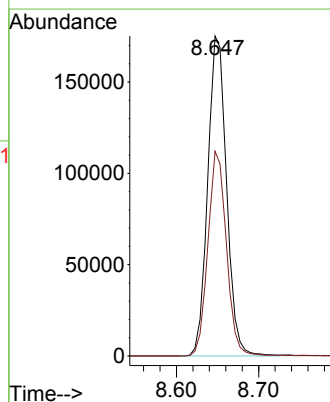
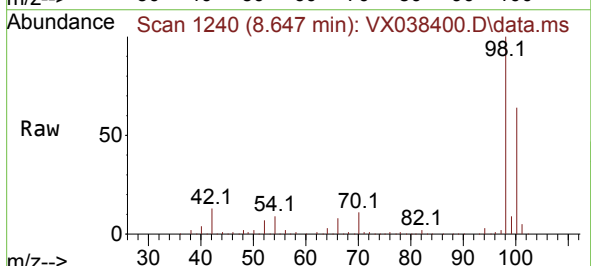
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-21-23-26

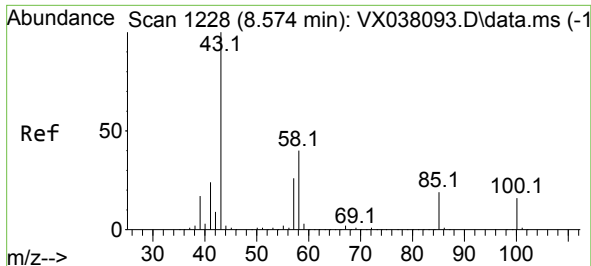
Tgt Ion:130 Resp: 325
 Ion Ratio Lower Upper
 130 100
 95 60.9 0.0 204.4



#50
 Toluene-d8
 Concen: 45.293 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. -0.006 min
 Lab File: VX038400.D
 Acq: 20 Oct 2023 14:20

Tgt Ion: 98 Resp: 278790
 Ion Ratio Lower Upper
 98 100
 100 63.1 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.422 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX038400.D

Acq: 20 Oct 2023 14:20

Instrument :

MSVOA_X

ClientSampleId :

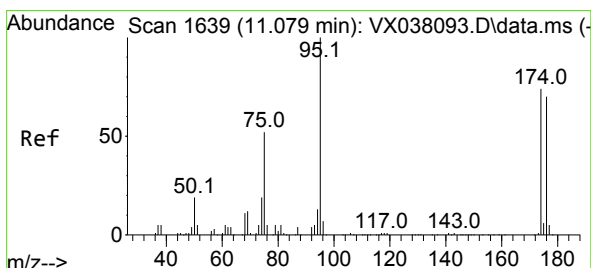
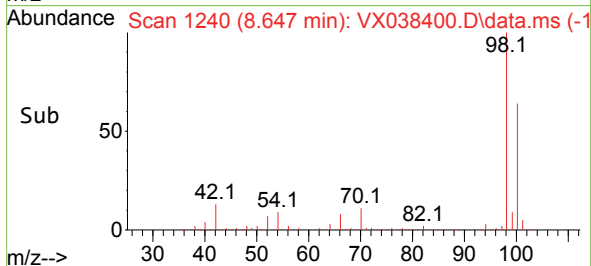
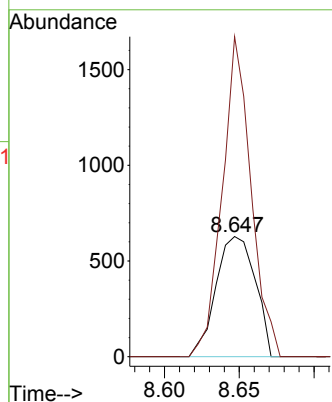
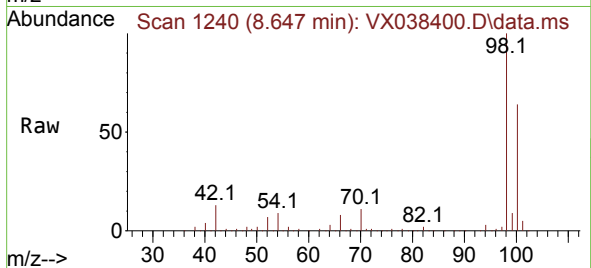
GW-21-23-26

Tgt Ion: 43 Resp: 1147

Ion Ratio Lower Upper

43 100

58 195.4 30.4 45.6#



#62

4-Bromofluorobenzene

Concen: 44.389 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX038400.D

Acq: 20 Oct 2023 14:20

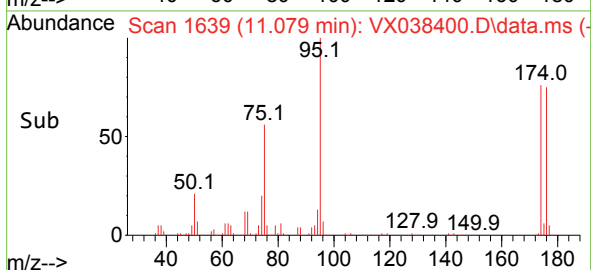
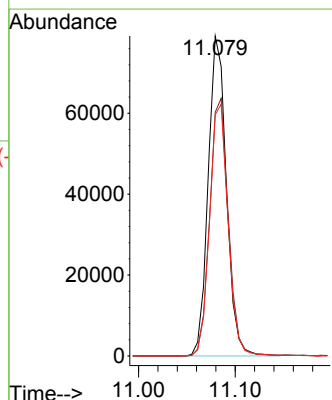
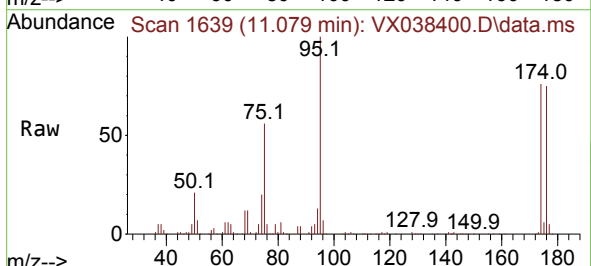
Tgt Ion: 95 Resp: 103582

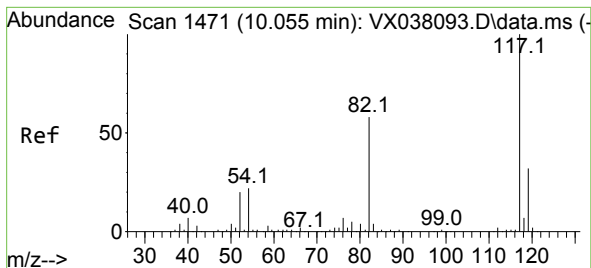
Ion Ratio Lower Upper

95 100

174 82.8 0.0 135.6

176 80.0 0.0 131.0

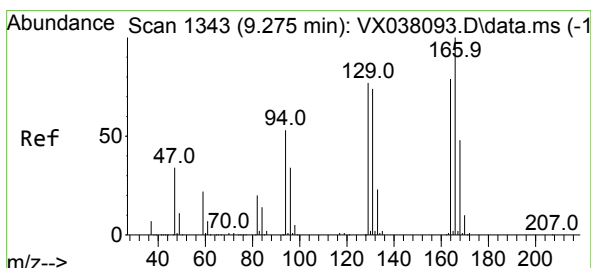
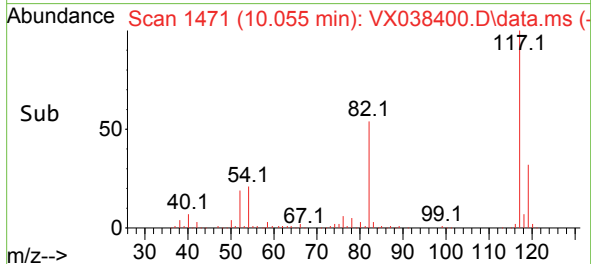
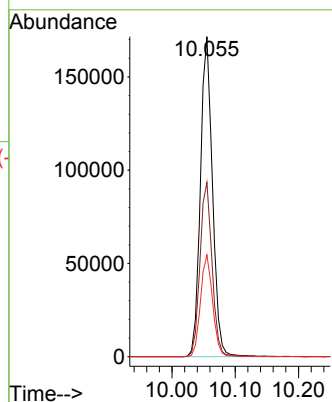
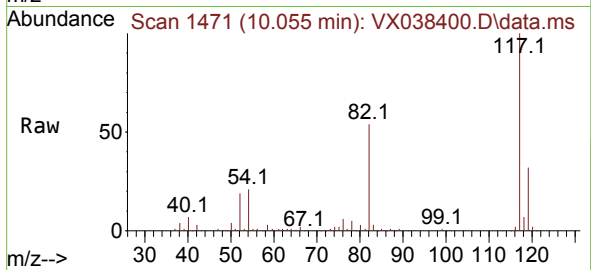




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038400.D
Acq: 20 Oct 2023 14:20

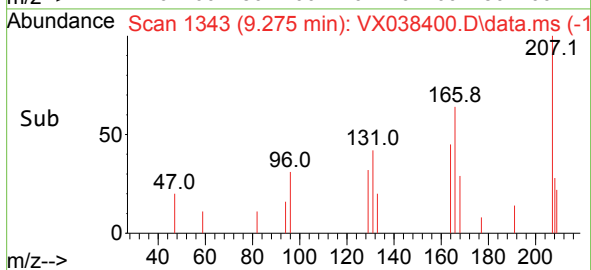
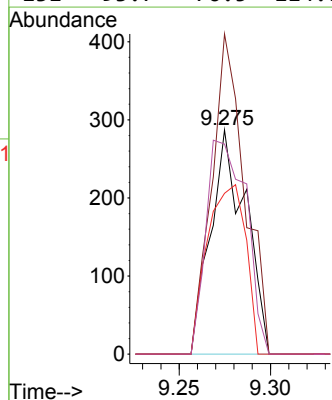
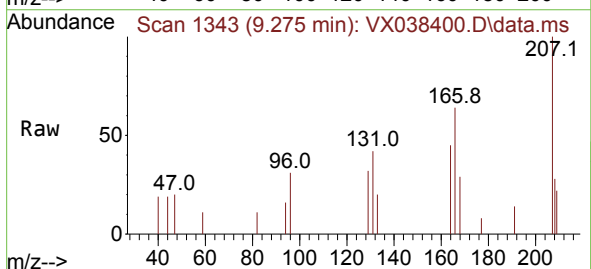
Instrument :
MSVOA_X
ClientSampleId :
GW-21-23-26

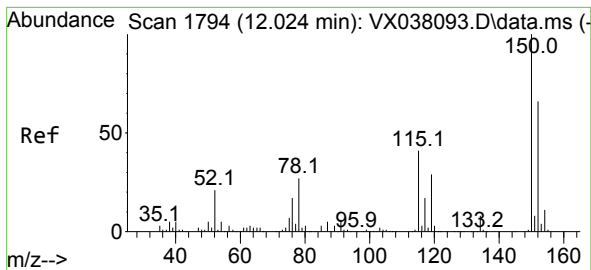
Tgt Ion:117 Resp: 228435
Ion Ratio Lower Upper
117 100
82 54.4 46.2 69.4
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 0.260 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX038400.D
Acq: 20 Oct 2023 14:20

Tgt Ion:164 Resp: 385
Ion Ratio Lower Upper
164 100
166 142.9 102.7 154.1
129 71.8 80.4 120.6#
131 93.7 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038400.D

Acq: 20 Oct 2023 14:20

Instrument :

MSVOA_X

ClientSampleId :

GW-21-23-26

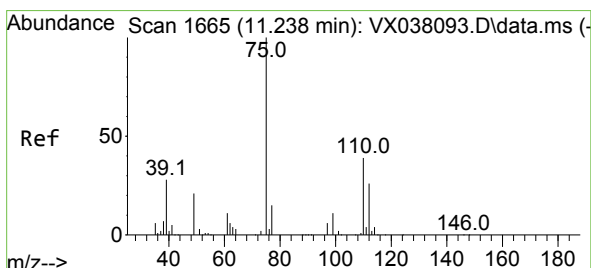
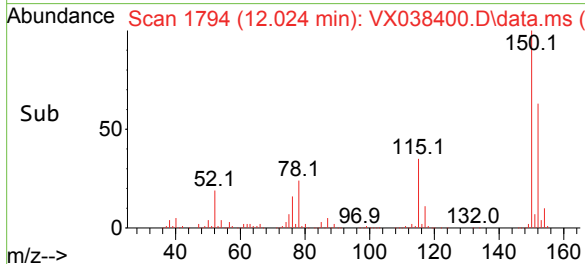
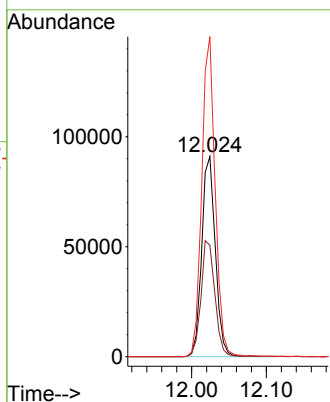
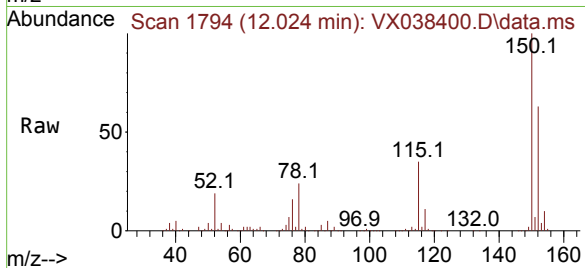
Tgt Ion:152 Resp: 115436

Ion Ratio Lower Upper

152 100

115 59.0 43.3 129.9

150 156.7 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 21.627 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038400.D

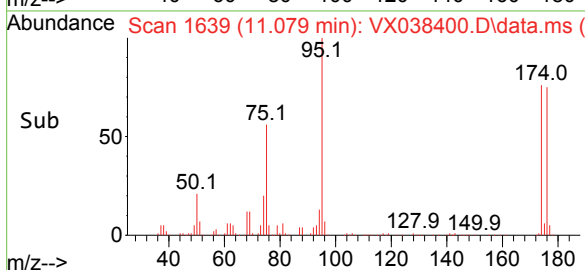
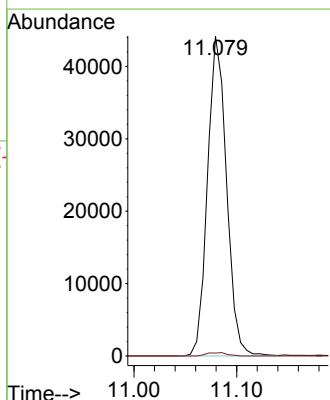
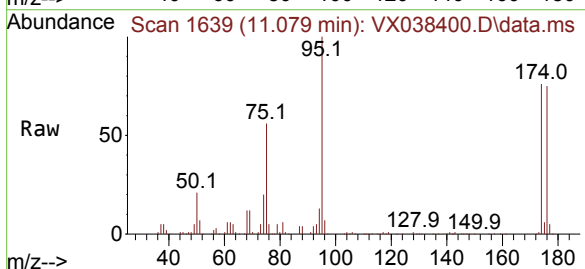
Acq: 20 Oct 2023 14:20

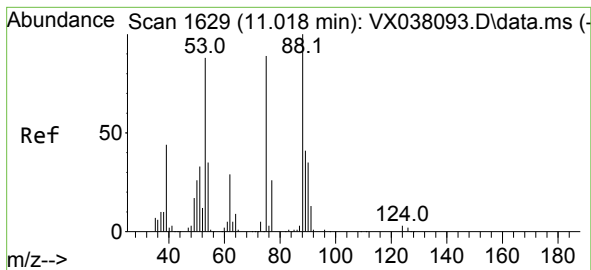
Tgt Ion: 75 Resp: 56755

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.088 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038400.D
 Acq: 20 Oct 2023 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-21-23-26

Tgt Ion: 75 Resp: 56755
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

