

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101023\
 Data File : VX038207.D
 Acq On : 10 Oct 2023 17:29
 Operator : JC/MD
 Sample : 04782-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-5-37-40

Quant Time: Oct 11 01:40:50 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)

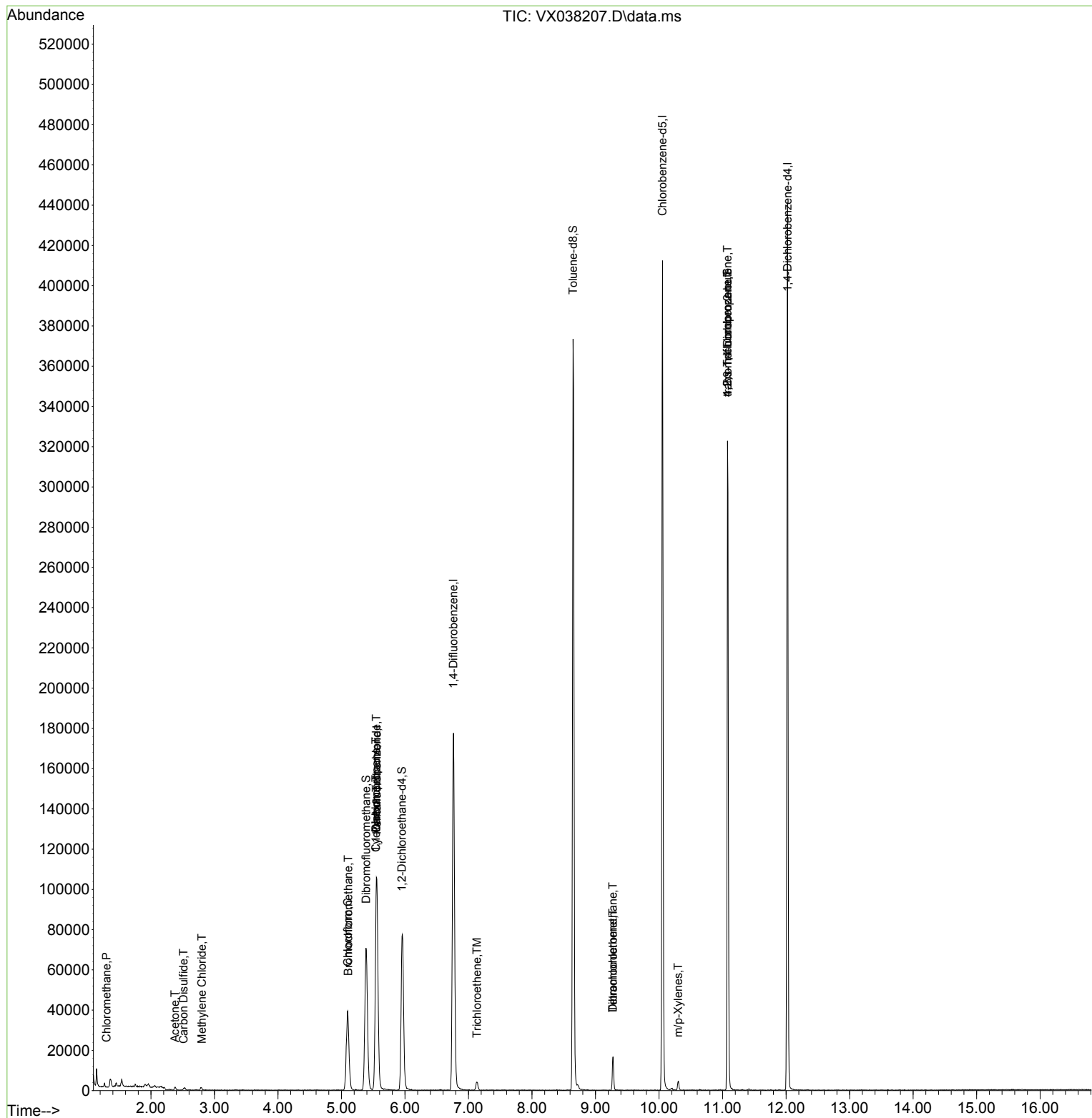
Internal Standards						
1) Pentafluorobenzene	5.556	168	102404	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	182359	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75753	45.992	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.980%
35) Dibromofluoromethane	5.385	113	60245	45.848	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.700%
50) Toluene-d8	8.647	98	225621	44.934	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.860%#
62) 4-Bromofluorobenzene	11.079	95	81988	43.071	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.140%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	422	0.419	ug/l	# 74
5) Bromomethane	1.593	94	29	Below Cal	#	3
6) Chloroethane	1.672	64	41	Below Cal	#	43
16) Acetone	2.380	43	1574	2.290	ug/l	92
17) Carbon Disulfide	2.514	76	641	0.237	ug/l	# 76
20) Methylene Chloride	2.800	84	691	0.534	ug/l	# 61
28) Bromochloromethane	5.105	49	3578	3.718	ug/l	# 16
30) Chloroform	5.099	83	44640	19.152	ug/l	98
31) Cyclohexane	5.544	56	2627	1.472	ug/l	# 37
36) 1,1-Dichloropropene	5.544	75	8291	4.576	ug/l	# 50
38) Carbon Tetrachloride	5.550	117	10455	5.865	ug/l	# 16
44) Trichloroethene	7.135	130	1840	1.388	ug/l	75
60) Dibromochloromethane	9.275	129	2839	2.054	ug/l	# 11
64) Tetrachloroethene	9.275	164	3045	2.645	ug/l	96
68) m/p-Xylenes	10.299	106	1009	0.393	ug/l	# 71
76) 1,2,3-Trichloropropane	11.079	75	45943	23.138	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	45943	66.146	ug/l	# 5

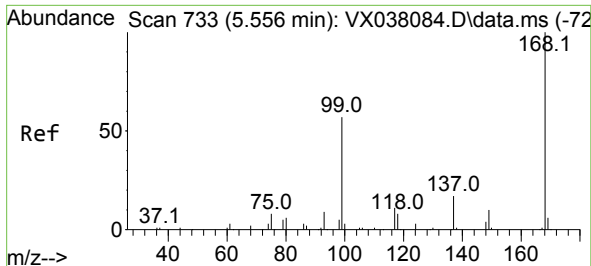
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration

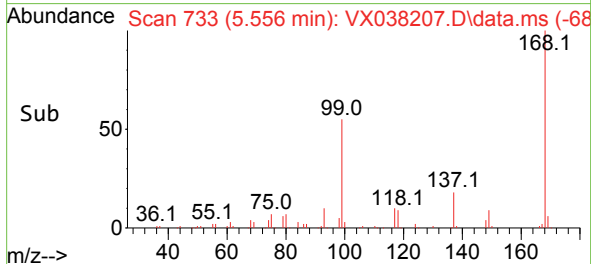
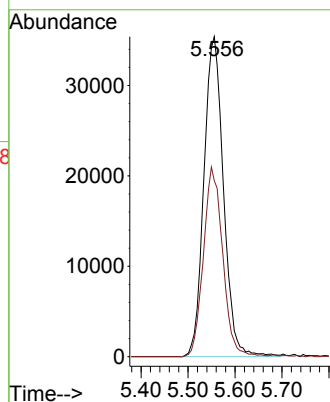
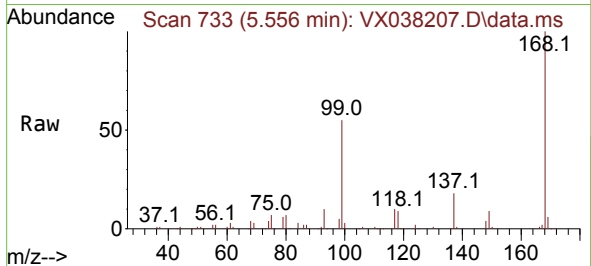




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038207.D
Acq: 10 Oct 2023 17:29

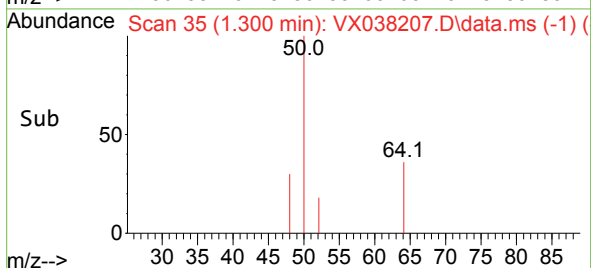
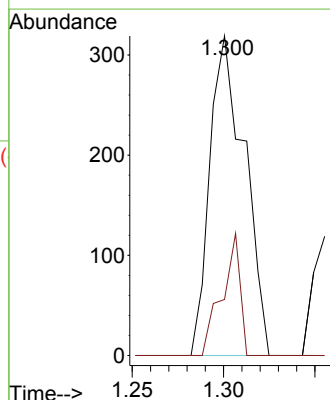
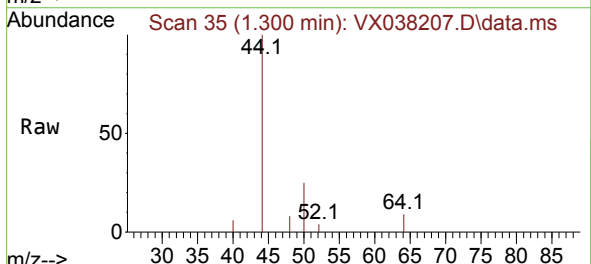
Instrument :
MSVOA_X
ClientSampleId :
GW-5-37-40

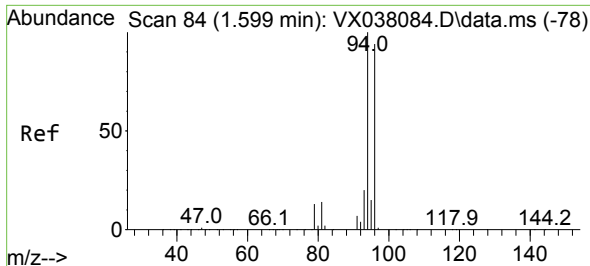
Tgt Ion:168 Resp: 102404
Ion Ratio Lower Upper
168 100
99 55.0 56.6 85.0#



#3
Chloromethane
Concen: 0.419 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.001 min
Lab File: VX038207.D
Acq: 10 Oct 2023 17:29

Tgt Ion: 50 Resp: 422
Ion Ratio Lower Upper
50 100
52 17.6 25.5 38.3#

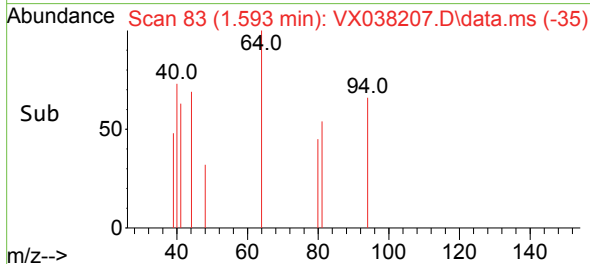
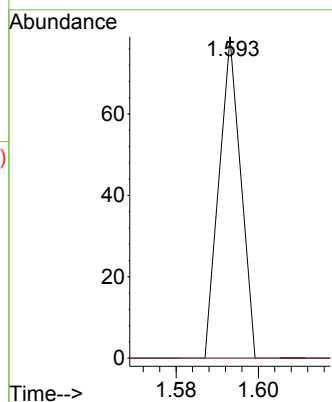
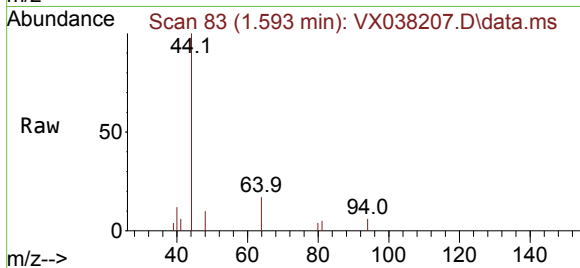




#5
Bromomethane
Concen: Below Cal
RT: 1.593 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX038207.D
Acq: 10 Oct 2023 17:29

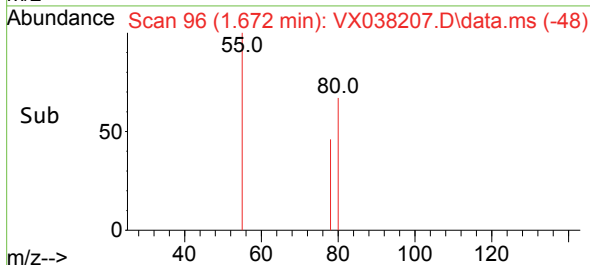
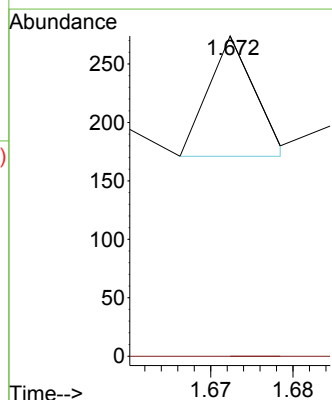
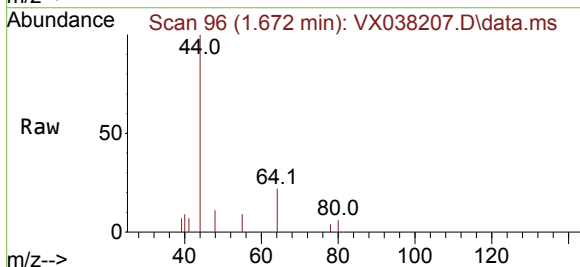
Instrument :
MSVOA_X
ClientSampleId :
GW-5-37-40

Tgt Ion: 94 Resp: 29
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX038207.D
Acq: 10 Oct 2023 17:29

Tgt Ion: 64 Resp: 41
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

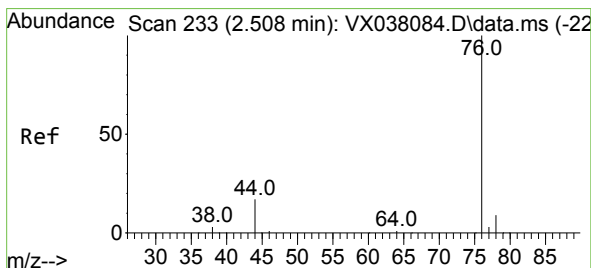
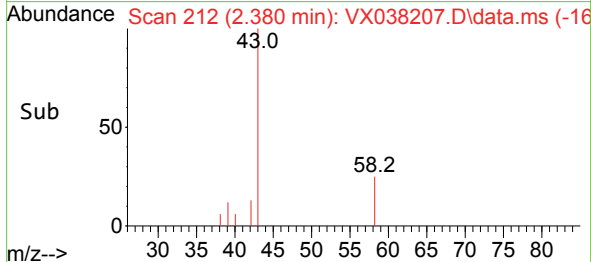
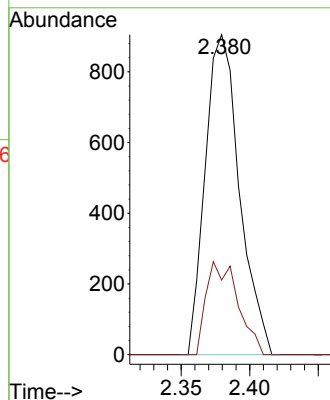
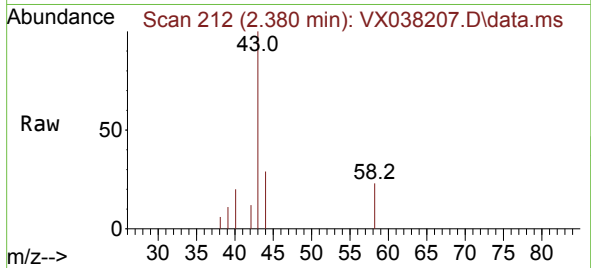




#16
Acetone
Concen: 2.290 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038207.D
Acq: 10 Oct 2023 17:29

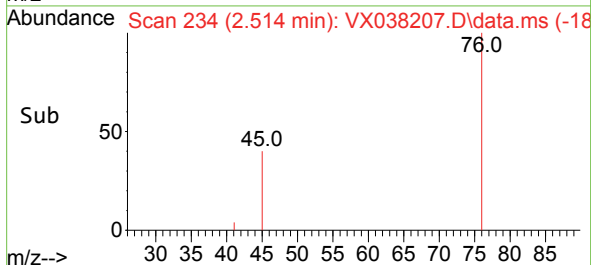
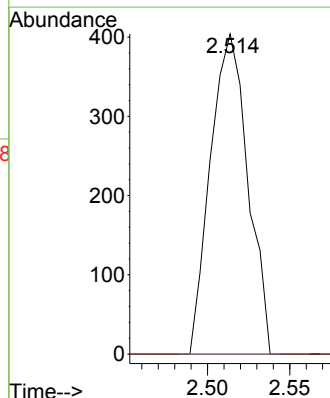
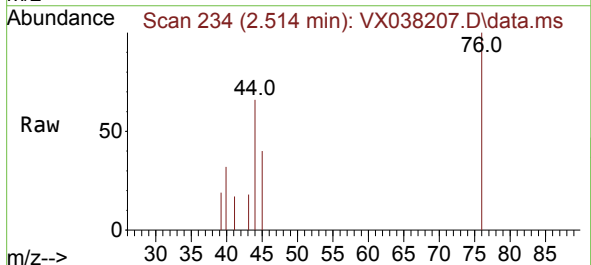
Instrument :
MSVOA_X
ClientSampleId :
GW-5-37-40

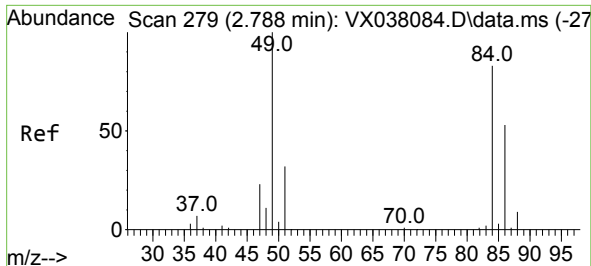
Tgt Ion: 43 Resp: 1574
Ion Ratio Lower Upper
43 100
58 23.3 21.9 32.9



#17
Carbon Disulfide
Concen: 0.237 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX038207.D
Acq: 10 Oct 2023 17:29

Tgt Ion: 76 Resp: 641
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

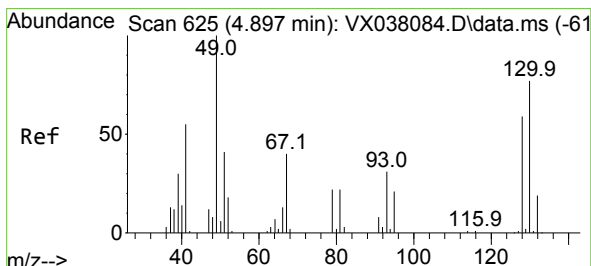
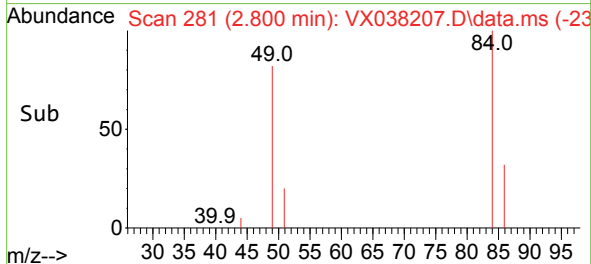
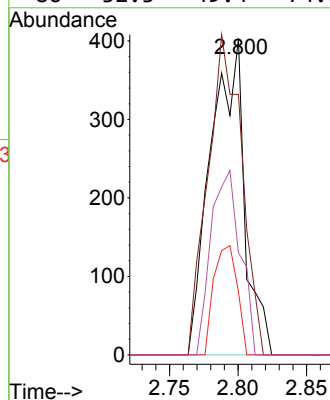
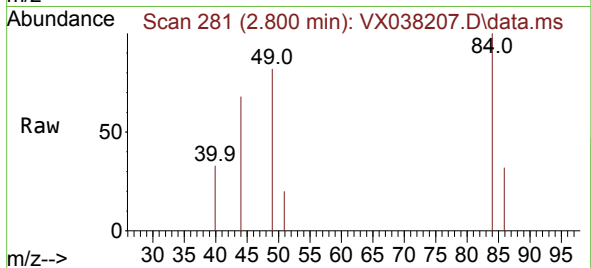




#20
Methylene Chloride
Concen: 0.534 ug/l
RT: 2.800 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX038207.D
Acq: 10 Oct 2023 17:29

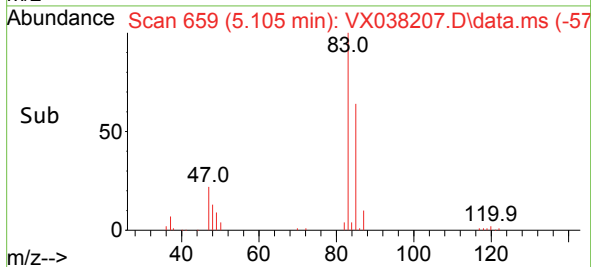
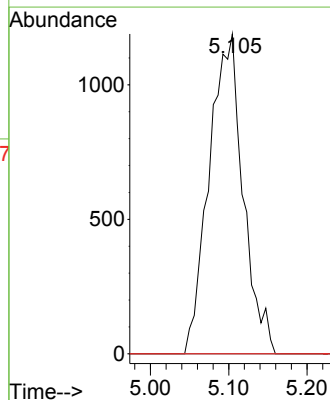
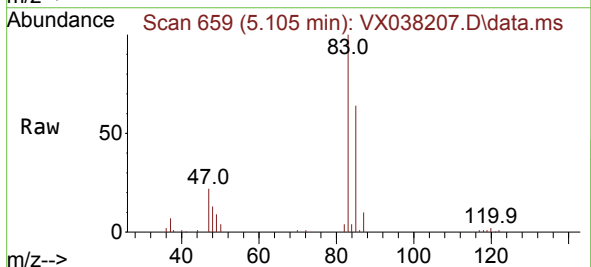
Instrument :
MSVOA_X
ClientSampleId :
GW-5-37-40

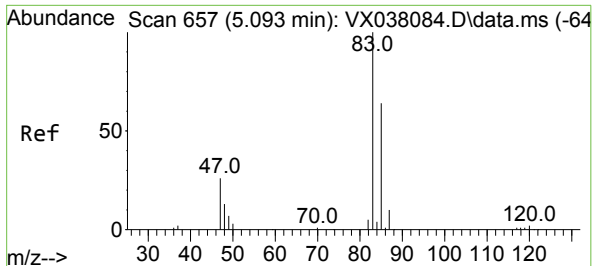
Tgt Ion: 84 Resp: 691
Ion Ratio Lower Upper
84 100
49 82.4 103.6 155.4#
51 20.1 33.8 50.6#
86 32.3 49.4 74.0#



#28
Bromochloromethane
Concen: 3.718 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.208 min
Lab File: VX038207.D
Acq: 10 Oct 2023 17:29

Tgt Ion: 49 Resp: 3578
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#

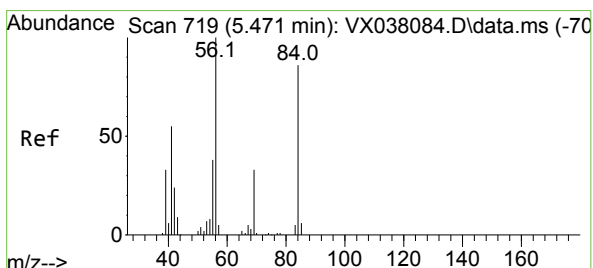
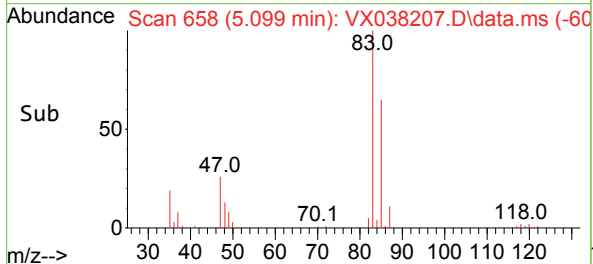
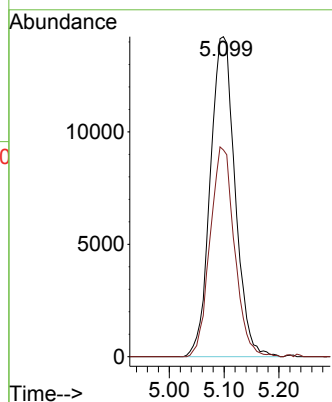
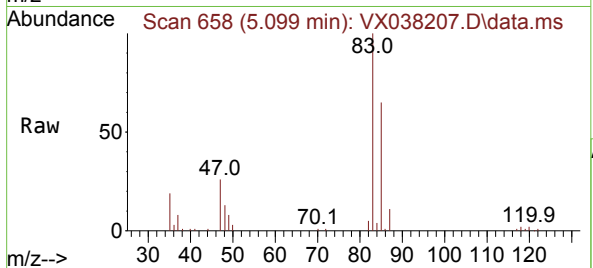




#30
Chloroform
Concen: 19.152 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX038207.D
Acq: 10 Oct 2023 17:29

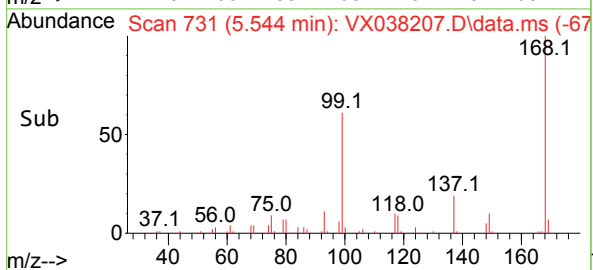
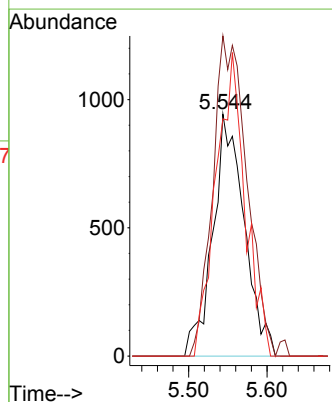
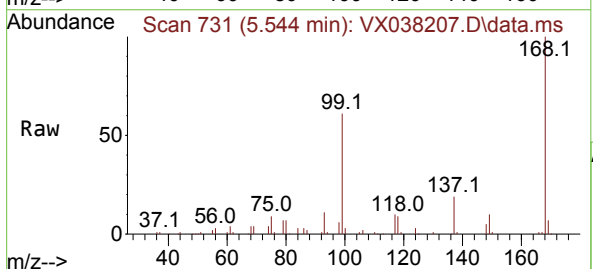
Instrument :
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ClientSampleId :
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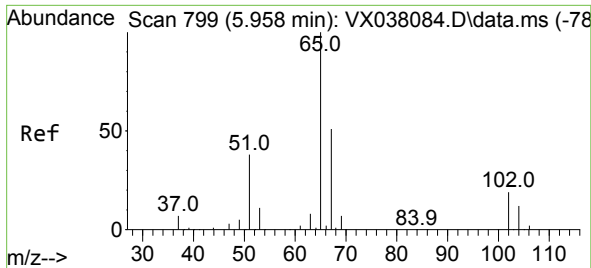
Tgt Ion: 83 Resp: 44640
Ion Ratio Lower Upper
83 100
85 64.6 50.3 75.5



#31
Cyclohexane
Concen: 1.472 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX038207.D
Acq: 10 Oct 2023 17:29

Tgt Ion: 56 Resp: 2627
Ion Ratio Lower Upper
56 100
69 132.3 23.4 35.2#
84 98.1 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 45.992 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038207.D

Acq: 10 Oct 2023 17:29

Instrument :

MSVOA_X

ClientSampleId :

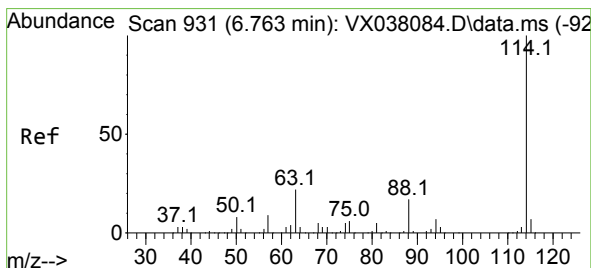
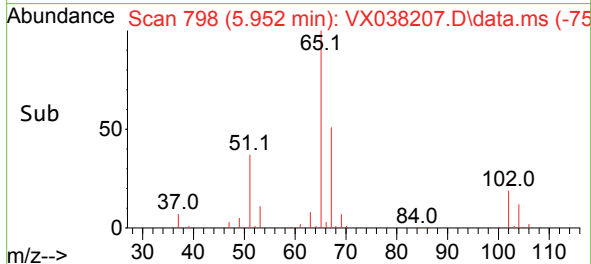
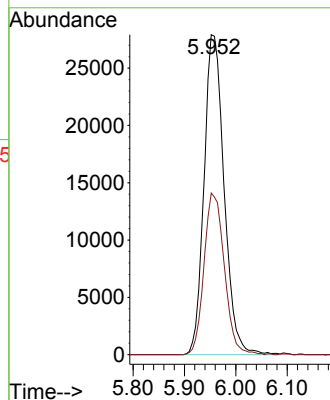
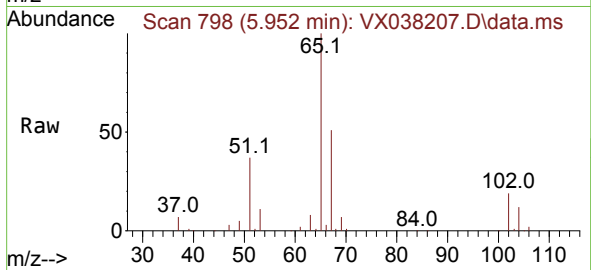
GW-5-37-40

Tgt Ion: 65 Resp: 75753

Ion Ratio Lower Upper

65 100

67 51.1 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX038207.D

Acq: 10 Oct 2023 17:29

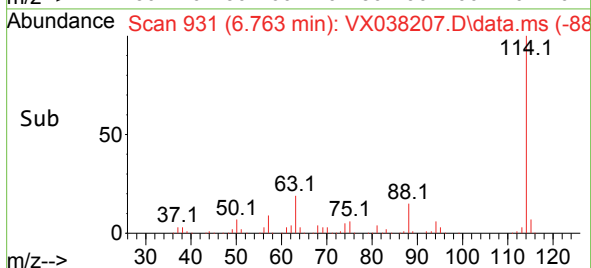
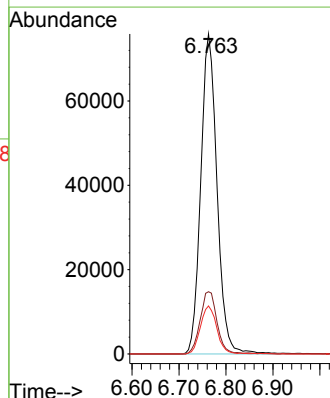
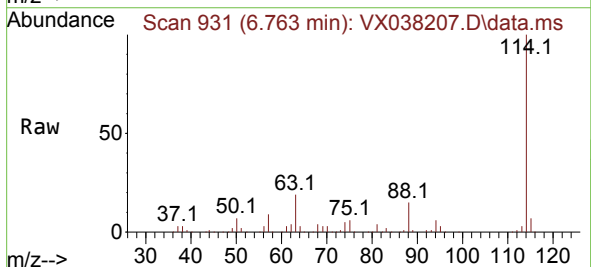
Tgt Ion: 114 Resp: 182359

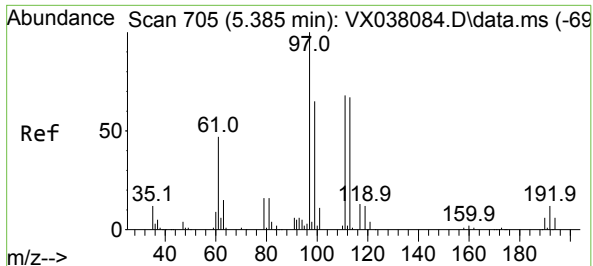
Ion Ratio Lower Upper

114 100

63 19.5 0.0 45.0

88 15.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.848 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX038207.D

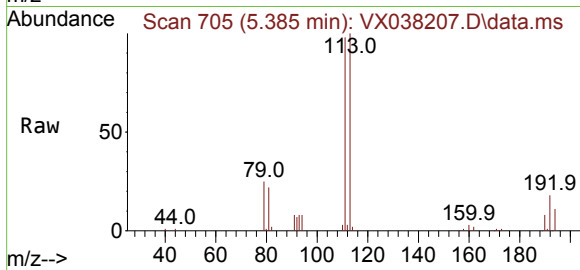
Acq: 10 Oct 2023 17:29

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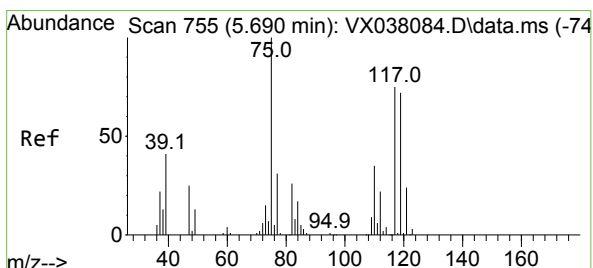
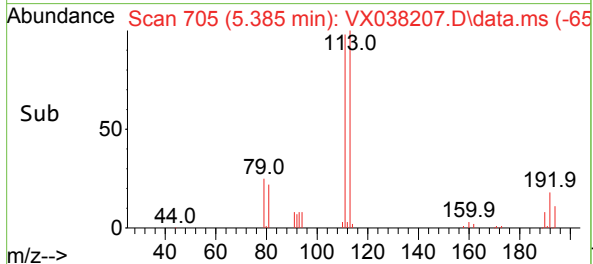
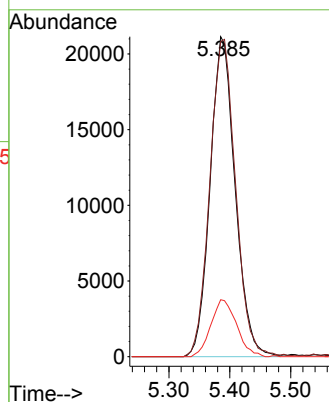
Tgt Ion:113 Resp: 60245

Ion Ratio Lower Upper

113 100

111 102.4 82.9 124.3

192 18.3 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.576 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX038207.D

Acq: 10 Oct 2023 17:29

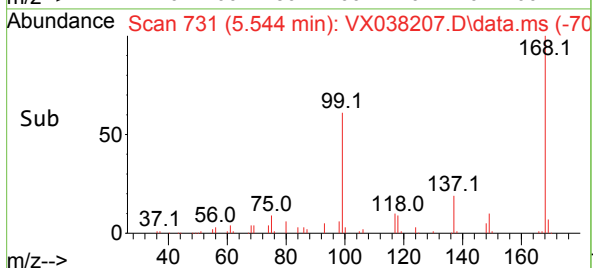
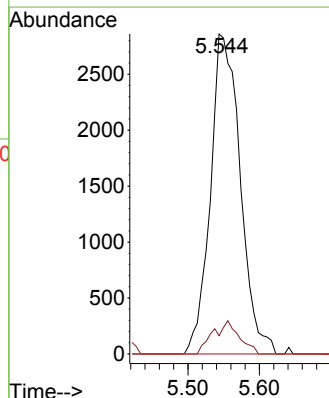
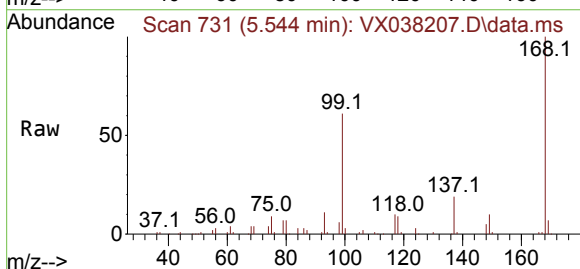
Tgt Ion: 75 Resp: 8291

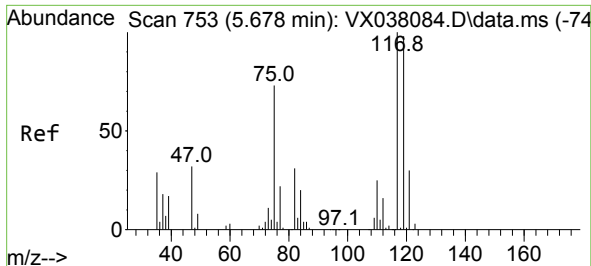
Ion Ratio Lower Upper

75 100

110 9.1 17.0 50.9#

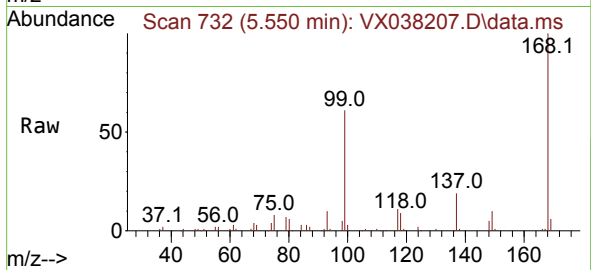
77 0.0 24.7 37.1#



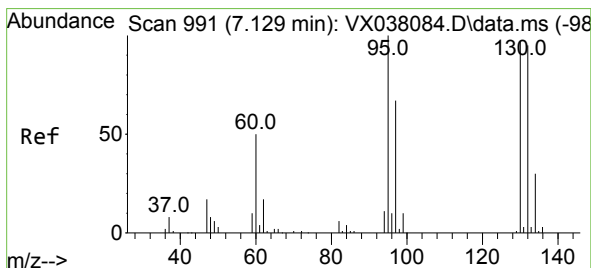
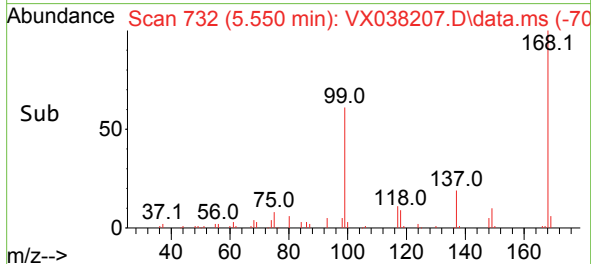
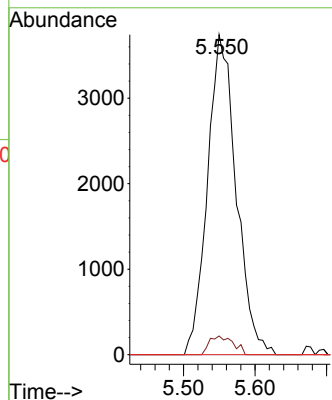


#38
Carbon Tetrachloride
Concen: 5.865 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038207.D
Acq: 10 Oct 2023 17:29

Instrument :
MSVOA_X
ClientSampleId :
GW-5-37-40

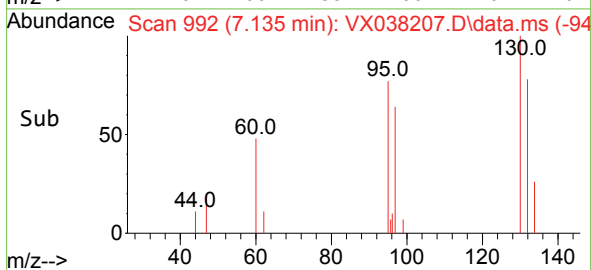
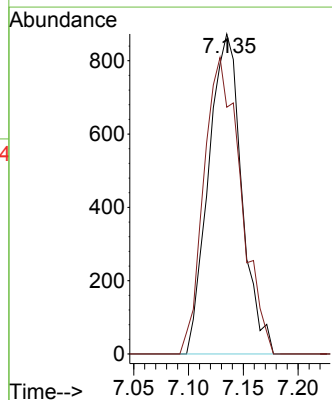
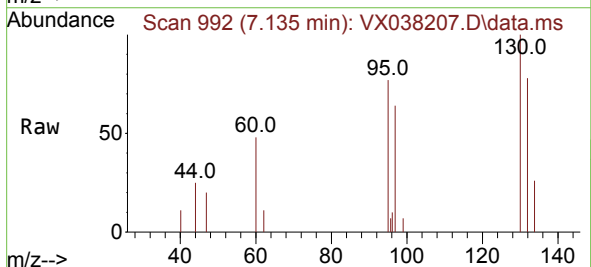


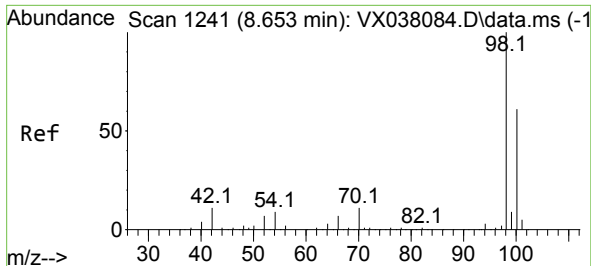
Tgt Ion:117 Resp: 10455
Ion Ratio Lower Upper
117 100
119 5.9 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 1.388 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX038207.D
Acq: 10 Oct 2023 17:29

Tgt Ion:130 Resp: 1840
Ion Ratio Lower Upper
130 100
95 77.1 0.0 204.4

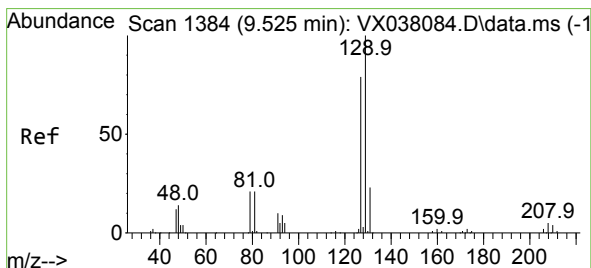
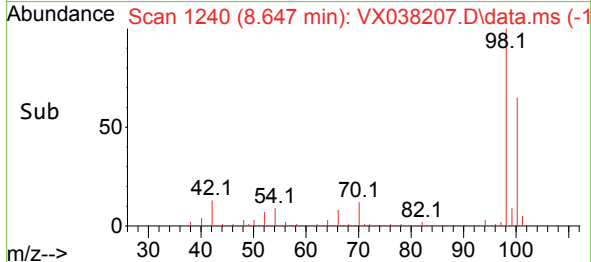
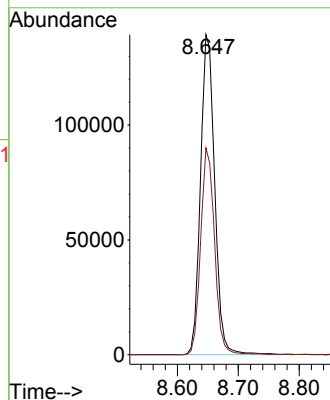
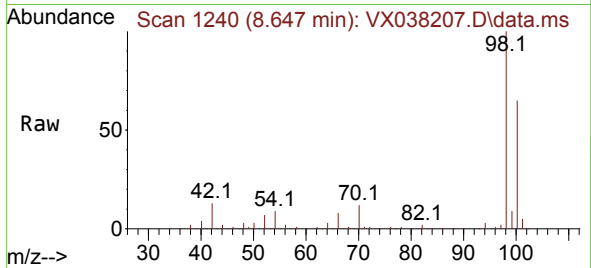




#50
Toluene-d8
Concen: 44.934 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038207.D
Acq: 10 Oct 2023 17:29

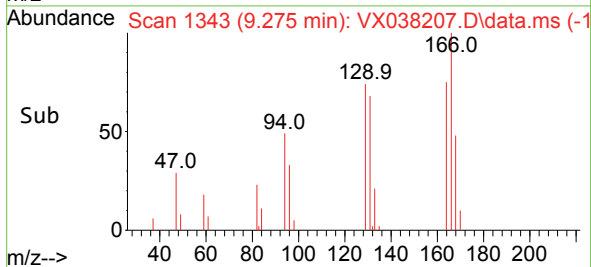
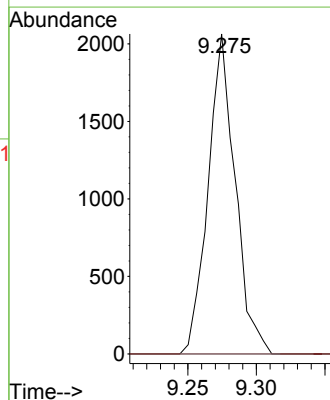
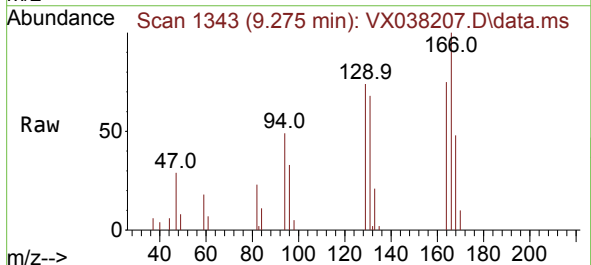
Instrument :
MSVOA_X
ClientSampleId :
GW-5-37-40

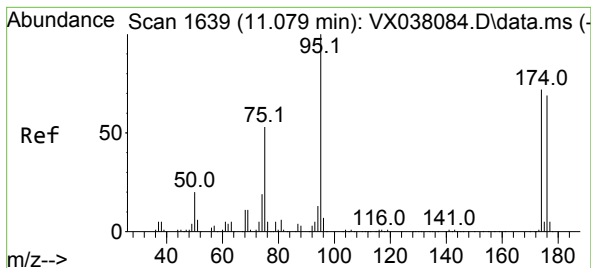
Tgt Ion: 98 Resp: 225621
Ion Ratio Lower Upper
98 100
100 63.4 53.1 79.7



#60
Dibromochloromethane
Concen: 2.054 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX038207.D
Acq: 10 Oct 2023 17:29

Tgt Ion: 129 Resp: 2839
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

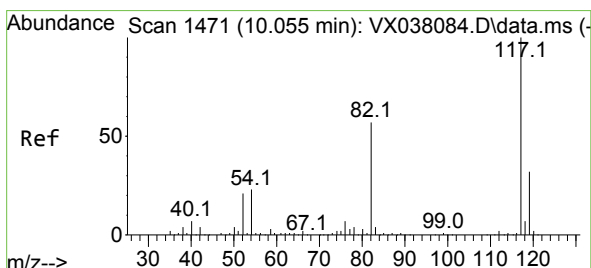
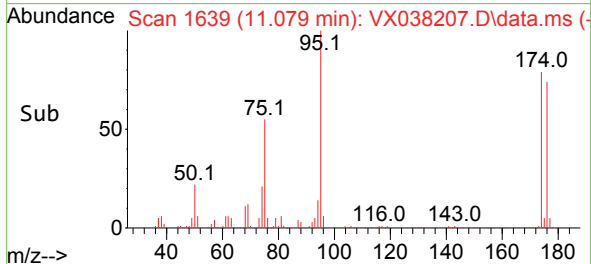
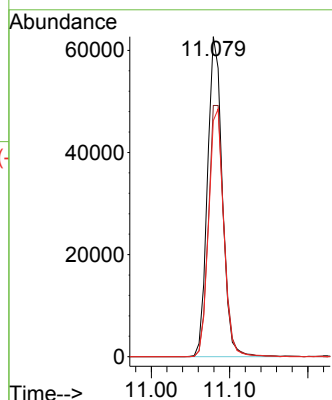
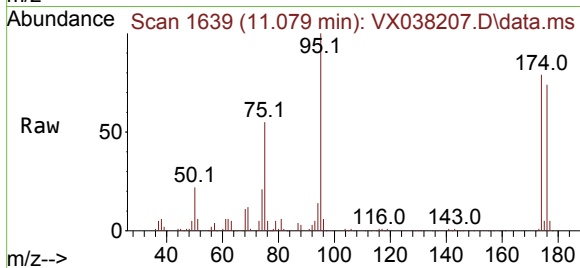




#62
4-Bromofluorobenzene
Concen: 43.071 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038207.D
Acq: 10 Oct 2023 17:29

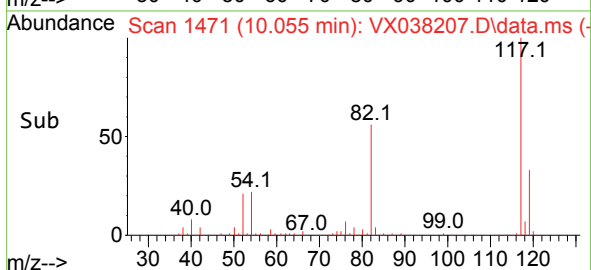
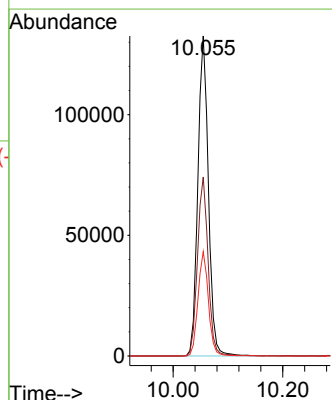
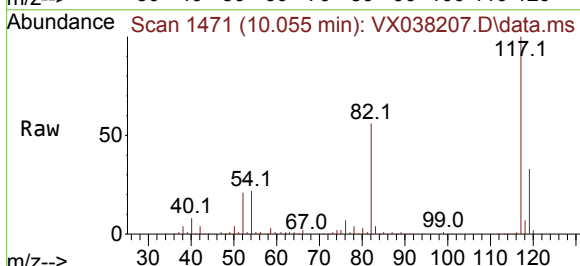
Instrument :
MSVOA_X
ClientSampleId :
GW-5-37-40

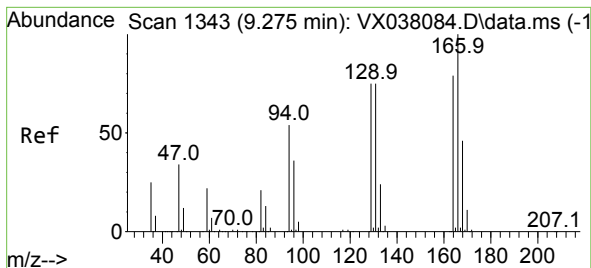
Tgt Ion: 95 Resp: 81988
Ion Ratio Lower Upper
95 100
174 81.9 0.0 135.6
176 78.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038207.D
Acq: 10 Oct 2023 17:29

Tgt Ion: 117 Resp: 177841
Ion Ratio Lower Upper
117 100
82 55.9 46.2 69.4
119 32.6 25.5 38.3





#64

Tetrachloroethene

Concen: 2.645 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX038207.D

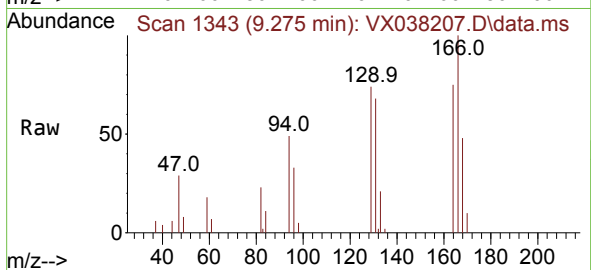
Acq: 10 Oct 2023 17:29

Instrument :

MSVOA_X

ClientSampleId :

GW-5-37-40



Tgt Ion:164 Resp: 3045

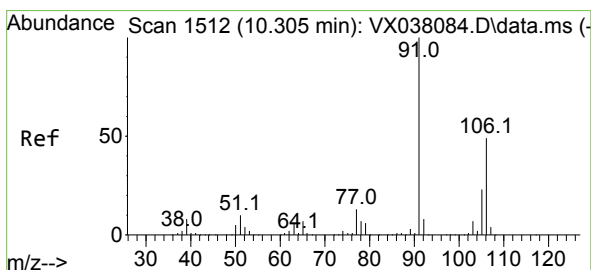
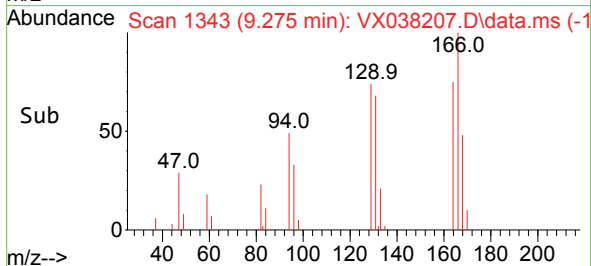
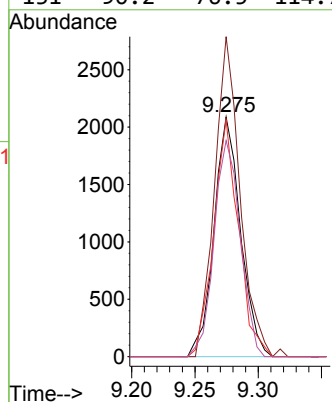
Ion Ratio Lower Upper

164 100

166 133.5 102.7 154.1

129 98.9 80.4 120.6

131 90.2 76.5 114.7



#68

m/p-Xylenes

Concen: 0.393 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.006 min

Lab File: VX038207.D

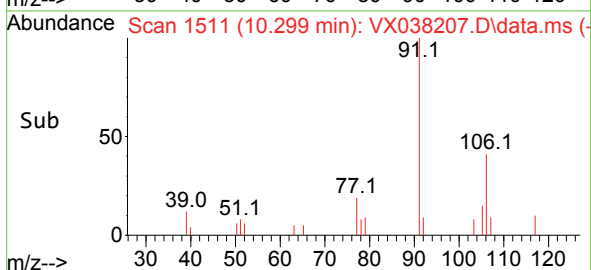
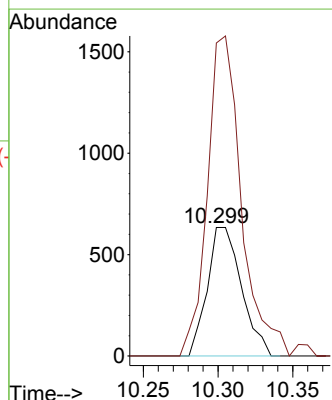
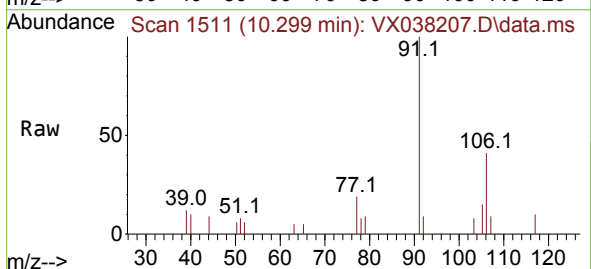
Acq: 10 Oct 2023 17:29

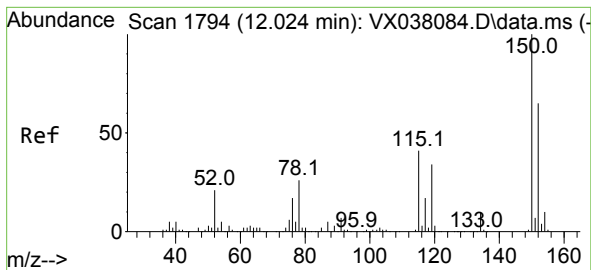
Tgt Ion:106 Resp: 1009

Ion Ratio Lower Upper

106 100

91 251.7 165.5 248.3#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038207.D

Acq: 10 Oct 2023 17:29

Instrument :

MSVOA_X

ClientSampleId :

GW-5-37-40

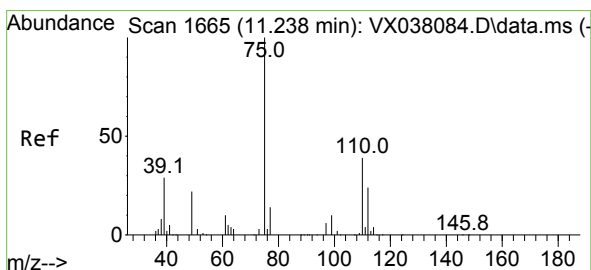
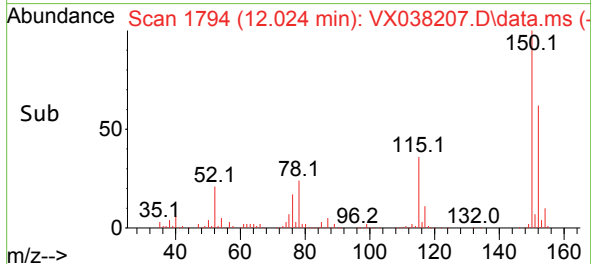
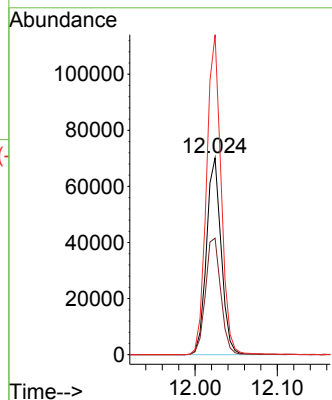
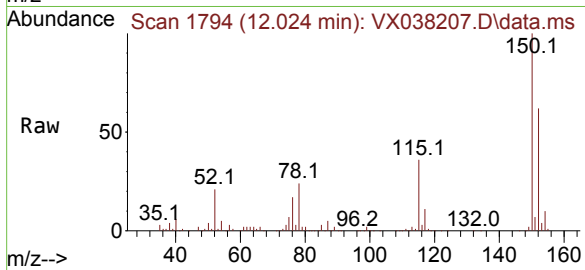
Tgt Ion:152 Resp: 87341

Ion Ratio Lower Upper

152 100

115 61.9 43.3 129.9

150 161.4 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 23.138 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038207.D

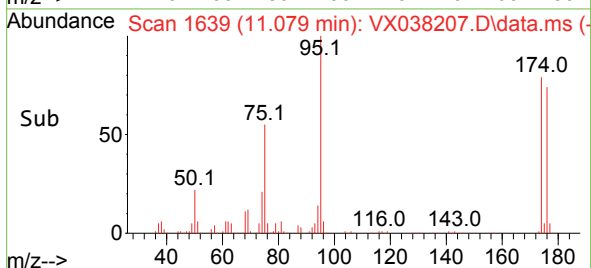
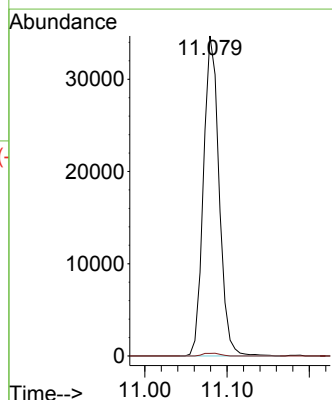
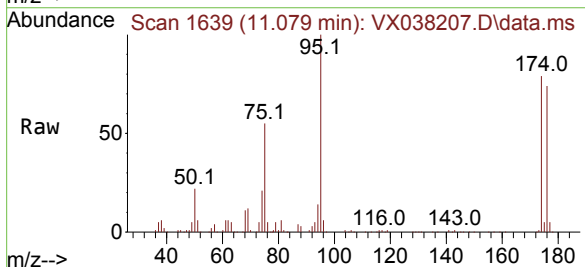
Acq: 10 Oct 2023 17:29

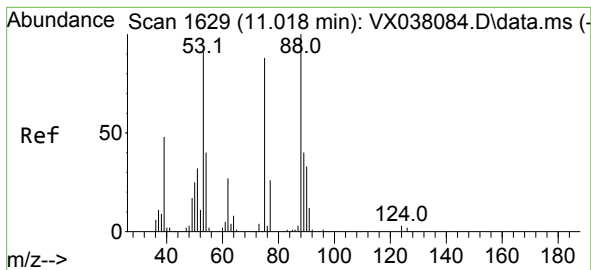
Tgt Ion: 75 Resp: 45943

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.146 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038207.D
 Acq: 10 Oct 2023 17:29

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-5-37-40

Tgt Ion: 75 Resp: 45943
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

