

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082823\
 Data File : VX037314.D
 Acq On : 29 Aug 2023 02:45
 Operator : JC/MD
 Sample : 04126-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW203D1-20230820

Quant Time: Aug 29 05:31:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

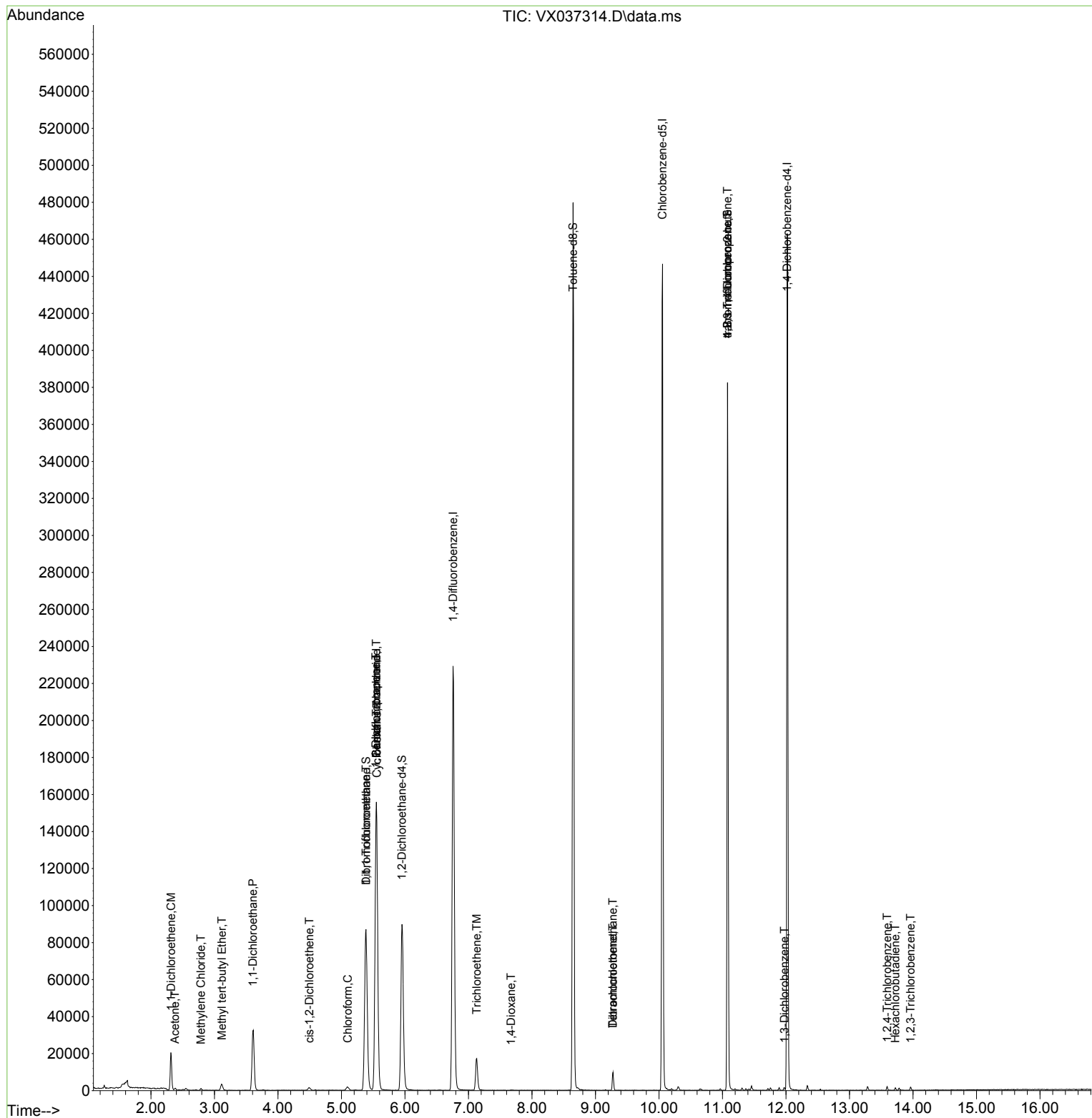
Internal Standards						
1) Pentafluorobenzene	5.550	168	147304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	243694	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	96144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90119	42.436	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.880%
35) Dibromofluoromethane	5.385	113	73710	45.671	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.340%
50) Toluene-d8	8.647	98	284362	48.573	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.140%
62) 4-Bromofluorobenzene	11.079	95	103668	45.060	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.120%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.319	96	7250	4.781	ug/l #	77
16) Acetone	2.380	43	811	0.976	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	3894	0.677	ug/l #	91
20) Methylene Chloride	2.788	84	479	0.258	ug/l #	71
24) 1,1-Dichloroethane	3.605	63	37077	12.276	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	1083	0.533	ug/l	69
30) Chloroform	5.099	83	2413	0.712	ug/l	92
31) Cyclohexane	5.556	56	2938	1.230	ug/l #	1
32) 1,1,1-Trichloroethane	5.385	97	5120	1.685	ug/l	94
36) 1,1-Dichloropropene	5.544	75	11293	4.925	ug/l #	50
38) Carbon Tetrachloride	5.550	117	15789	6.339	ug/l #	15
44) Trichloroethene	7.129	130	7480	4.011	ug/l	92
49) 1,4-Dioxane	7.671	88	207	4.238	ug/l #	29
60) Dibromochloromethane	9.275	129	1764	0.936	ug/l #	11
64) Tetrachloroethene	9.275	164	1799	1.144	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	52352	25.568	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	52352	71.413	ug/l #	5
87) 1,3-Dichlorobenzene	11.976	146	642	0.201	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	676	0.369	ug/l #	89
94) Hexachlorobutadiene	13.719	225	364	0.515	ug/l	93
96) 1,2,3-Trichlorobenzene	13.963	180	549	0.302	ug/l	96

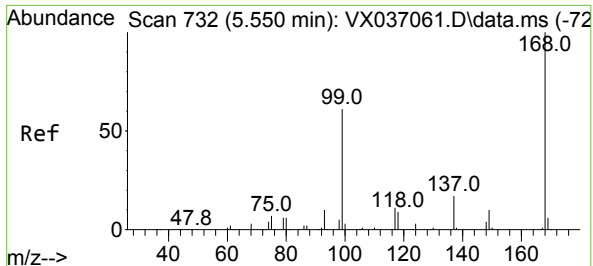
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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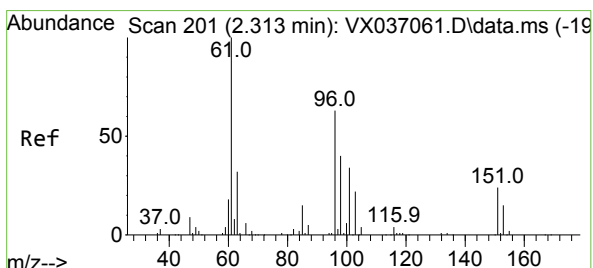
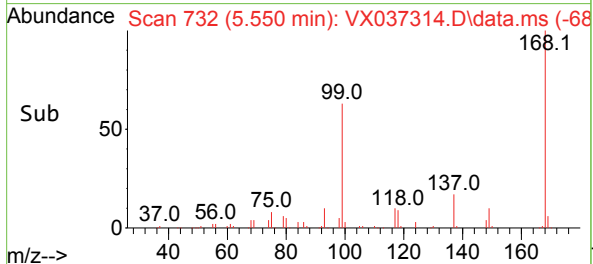
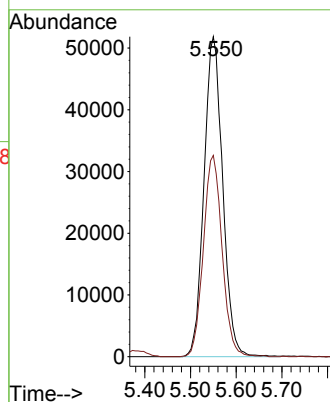
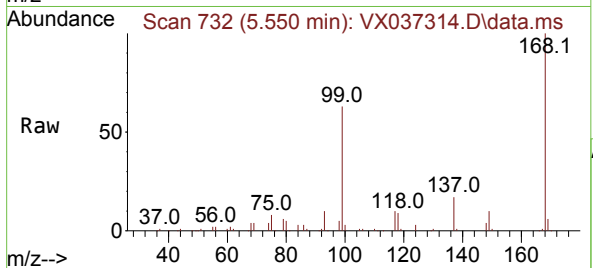




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037314.D
Acq: 29 Aug 2023 02:45

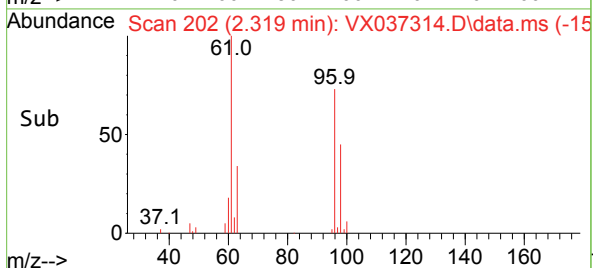
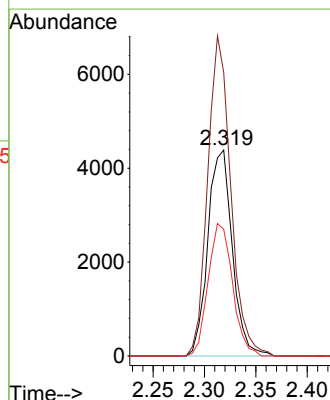
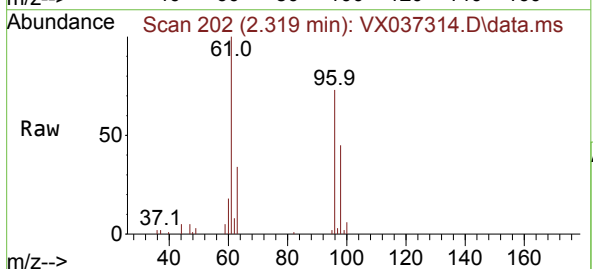
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20230820

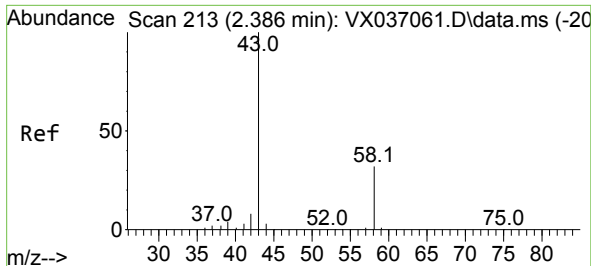
Tgt Ion:168 Resp: 147304
Ion Ratio Lower Upper
168 100
99 62.9 56.6 85.0



#12
1,1-Dichloroethene
Concen: 4.781 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX037314.D
Acq: 29 Aug 2023 02:45

Tgt Ion: 96 Resp: 7250
Ion Ratio Lower Upper
96 100
61 137.6 144.6 216.8#
98 61.4 50.4 75.6





#16

Acetone

Concen: 0.976 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX037314.D

Acq: 29 Aug 2023 02:45

Instrument :

MSVOA_X

ClientSampleId :

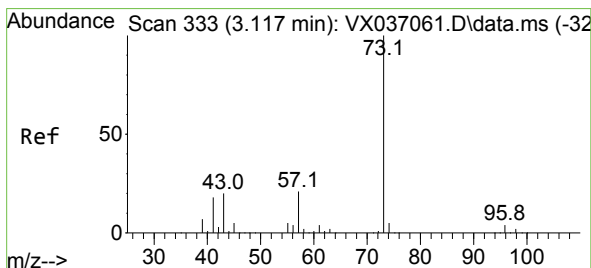
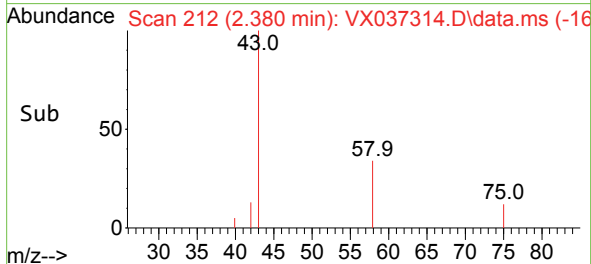
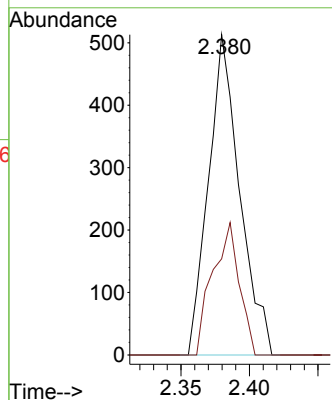
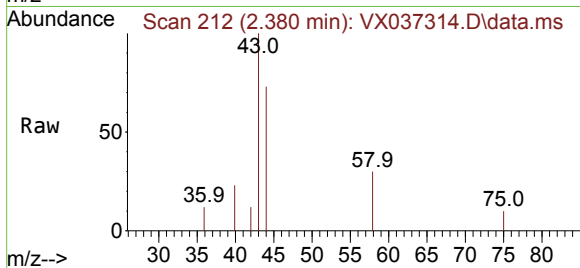
MW203D1-20230820

Tgt Ion: 43 Resp: 811

Ion Ratio Lower Upper

43 100

58 30.0 21.9 32.9



#19

Methyl tert-butyl Ether

Concen: 0.677 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.000 min

Lab File: VX037314.D

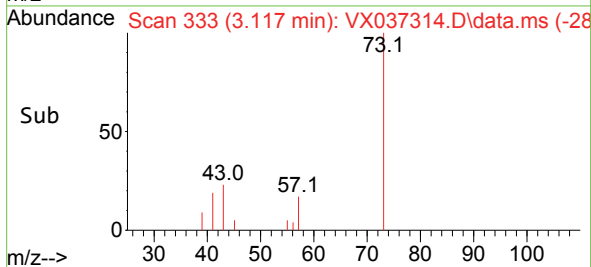
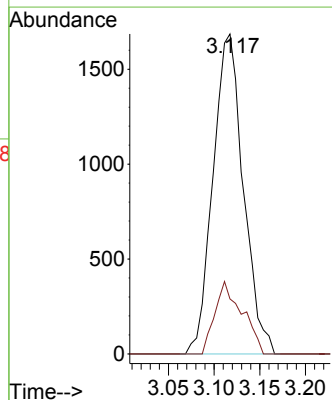
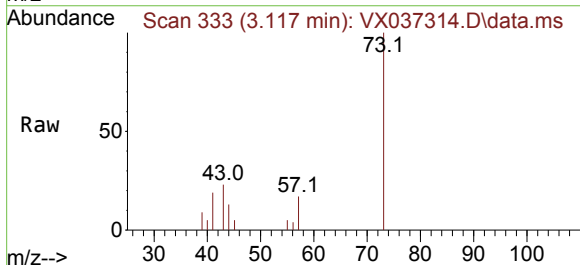
Acq: 29 Aug 2023 02:45

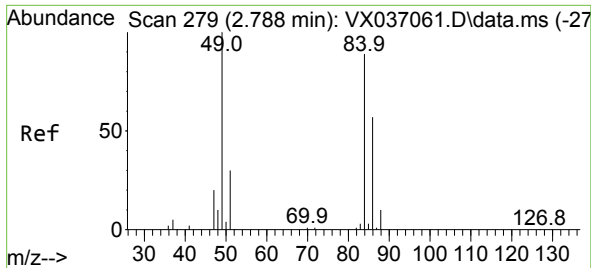
Tgt Ion: 73 Resp: 3894

Ion Ratio Lower Upper

73 100

57 17.2 17.3 25.9#

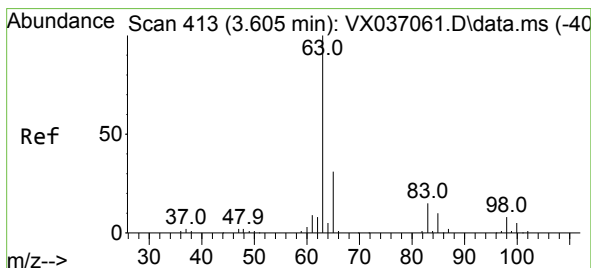
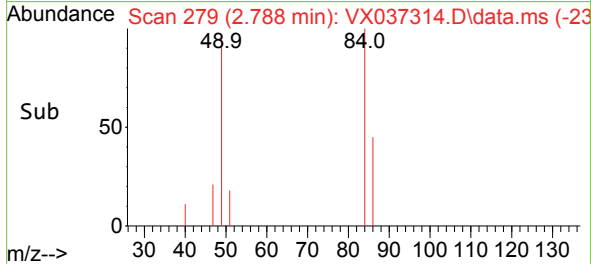
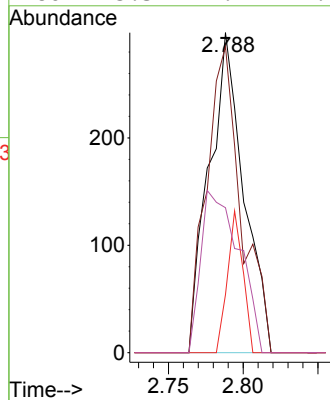
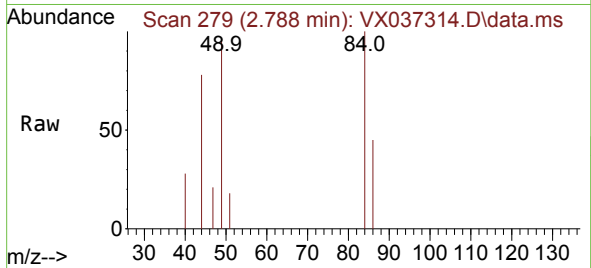




#20
Methylene Chloride
Concen: 0.258 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037314.D
Acq: 29 Aug 2023 02:45

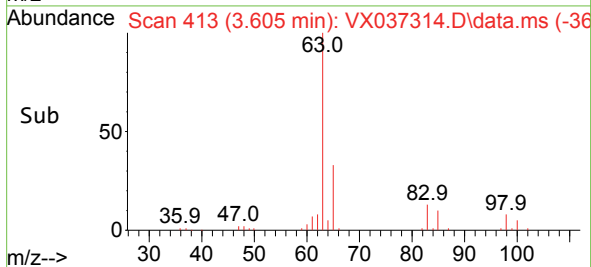
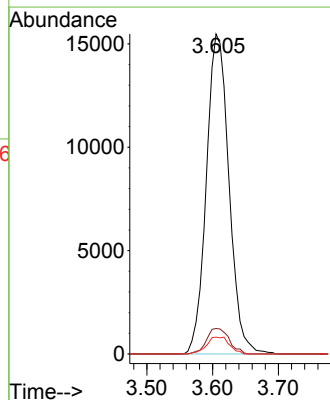
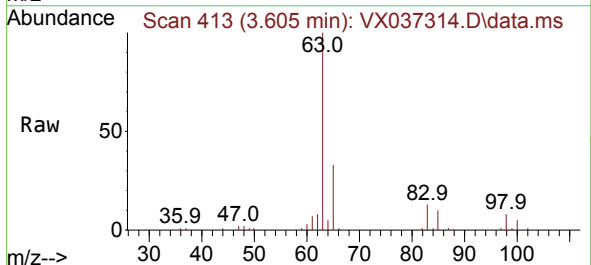
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20230820

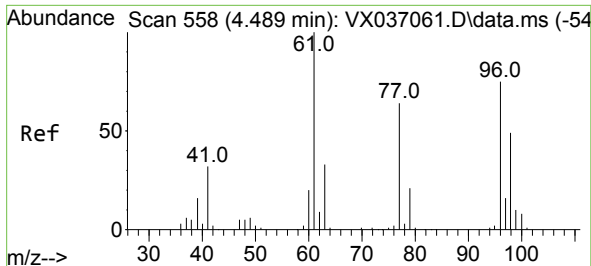
Tgt Ion:	84	Resp:	479
Ion	Ratio	Lower	Upper
84	100		
49	95.6	103.6	155.4#
51	18.1	33.8	50.6#
86	45.3	49.4	74.0#



#24
1,1-Dichloroethane
Concen: 12.276 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX037314.D
Acq: 29 Aug 2023 02:45

Tgt Ion:	63	Resp:	37077
Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.3	9.8
100	5.2	2.1	6.5





#27

cis-1,2-Dichloroethene

Concen: 0.533 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX037314.D

Acq: 29 Aug 2023 02:45

Instrument :

MSVOA_X

ClientSampleId :

MW203D1-20230820

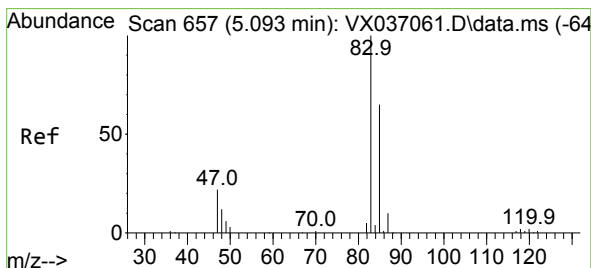
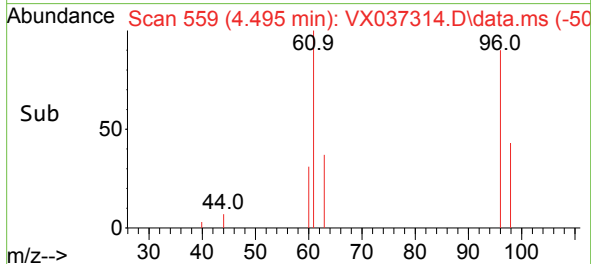
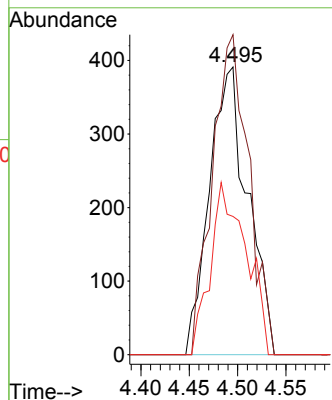
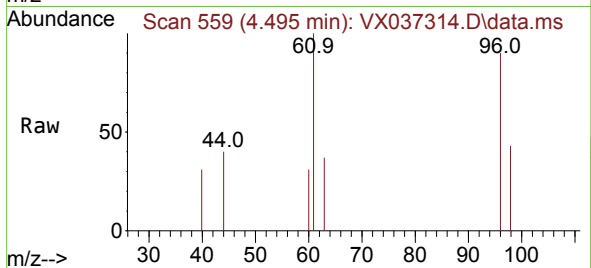
Tgt Ion: 96 Resp: 1083

Ion Ratio Lower Upper

96 100

61 105.2 0.0 312.2

98 55.8 0.0 129.0



#30

Chloroform

Concen: 0.712 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX037314.D

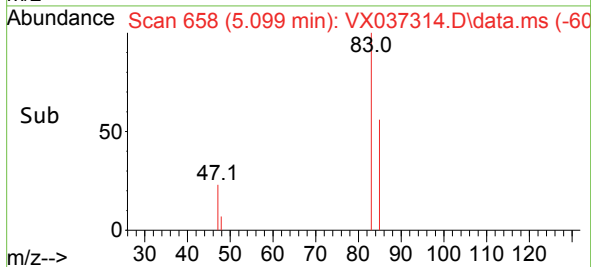
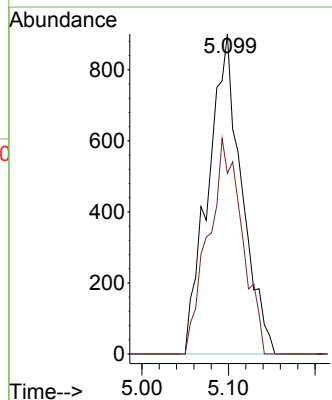
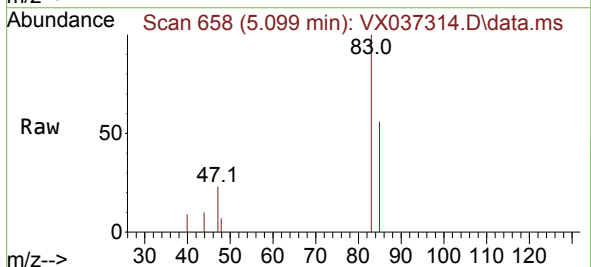
Acq: 29 Aug 2023 02:45

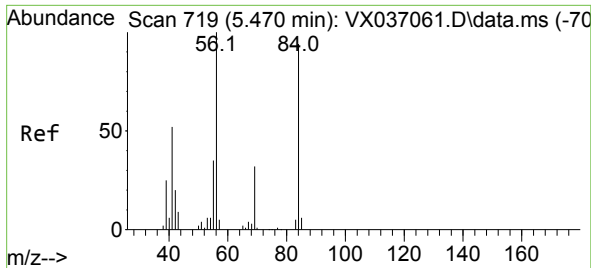
Tgt Ion: 83 Resp: 2413

Ion Ratio Lower Upper

83 100

85 56.4 50.3 75.5

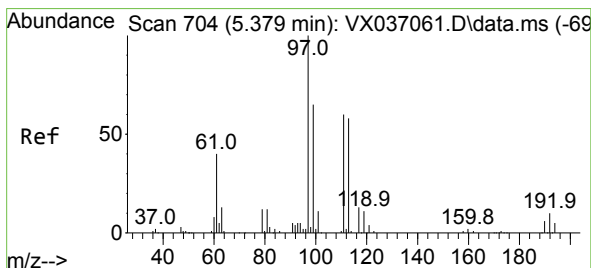
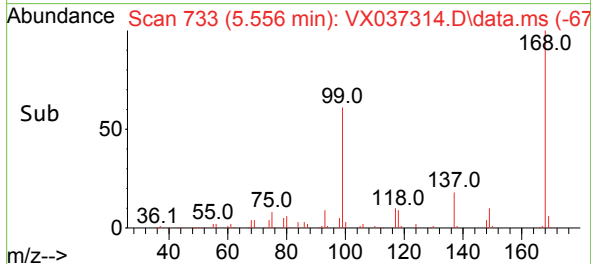
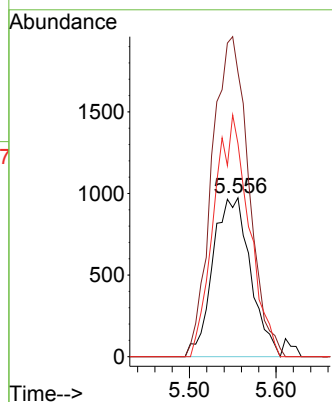
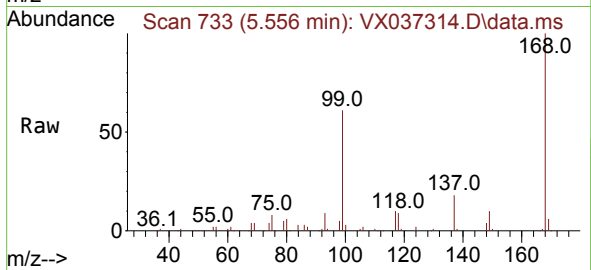




#31
Cyclohexane
Concen: 1.230 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX037314.D
Acq: 29 Aug 2023 02:45

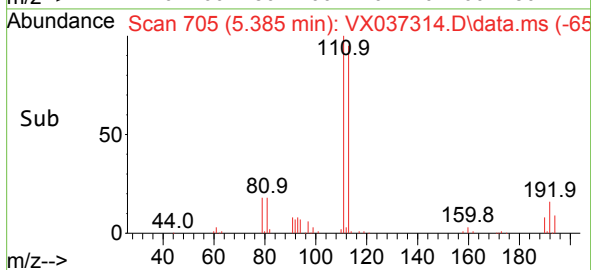
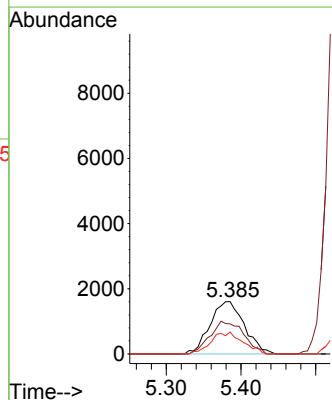
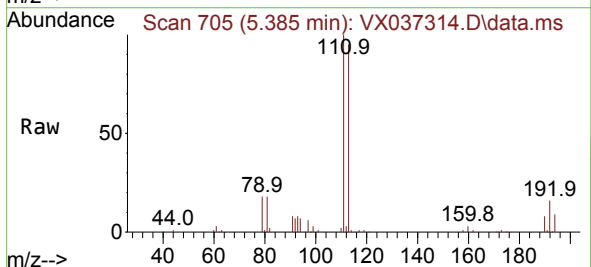
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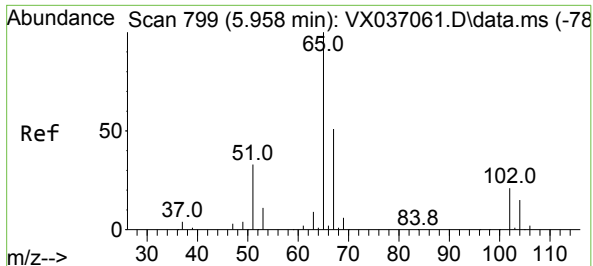
Tgt Ion: 56 Resp: 2938
Ion Ratio Lower Upper
56 100
69 179.0 23.4 35.2#
84 134.1 65.9 98.9#



#32
1,1,1-Trichloroethane
Concen: 1.685 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037314.D
Acq: 29 Aug 2023 02:45

Tgt Ion: 97 Resp: 5120
Ion Ratio Lower Upper
97 100
99 61.0 51.1 76.7
61 38.7 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 42.436 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037314.D

Acq: 29 Aug 2023 02:45

Instrument :

MSVOA_X

ClientSampleId :

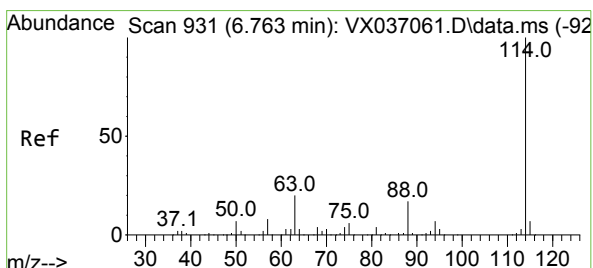
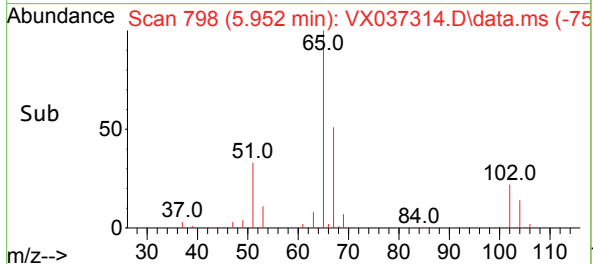
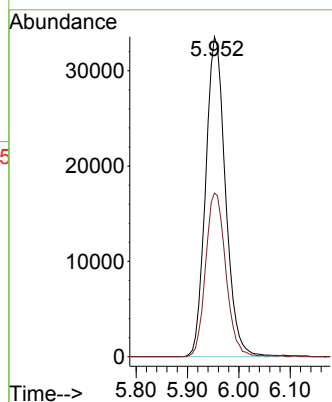
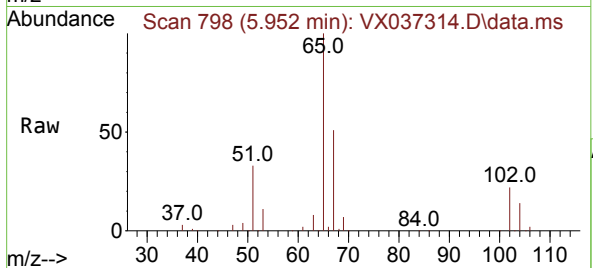
MW203D1-20230820

Tgt Ion: 65 Resp: 90119

Ion Ratio Lower Upper

65 100

67 51.9 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX037314.D

Acq: 29 Aug 2023 02:45

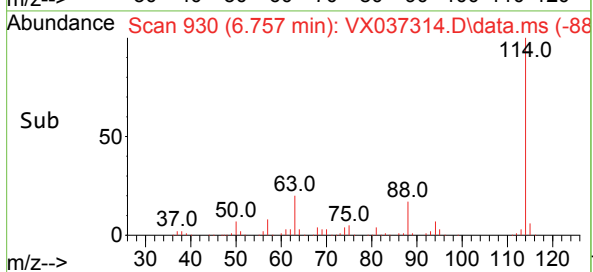
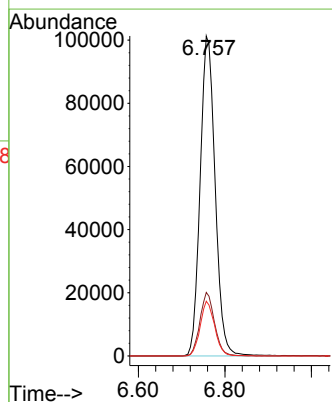
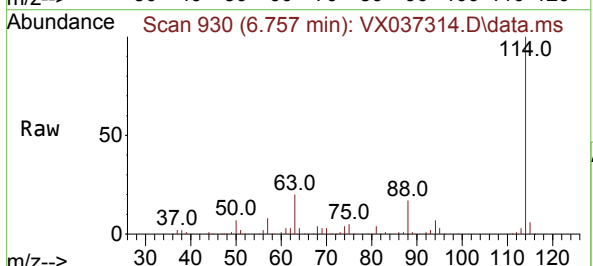
Tgt Ion: 114 Resp: 243694

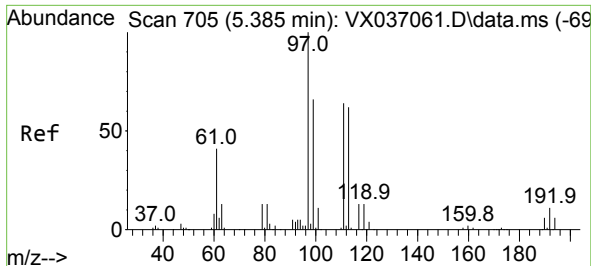
Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.0

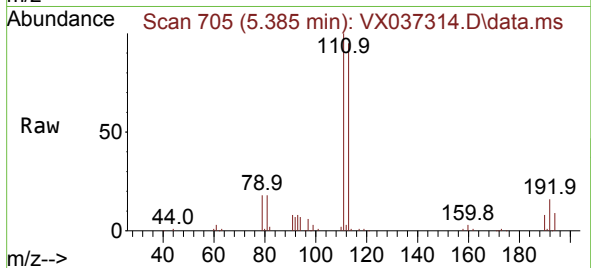
88 17.1 0.0 36.6



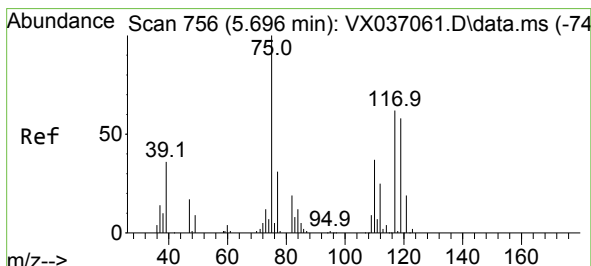
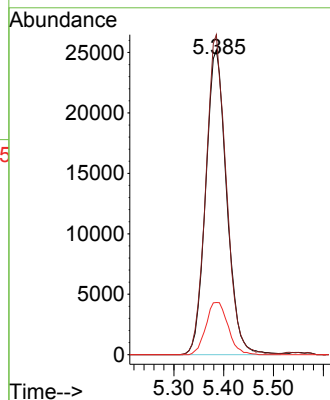
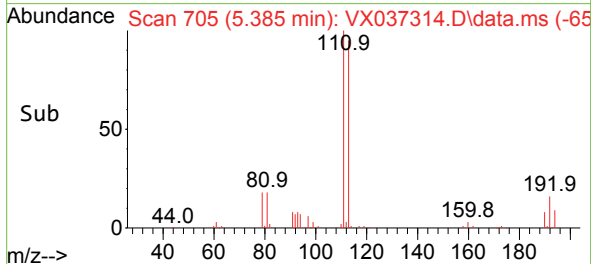


#35
Dibromofluoromethane
Concen: 45.671 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037314.D
Acq: 29 Aug 2023 02:45

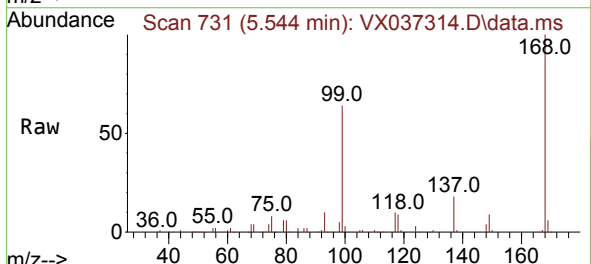
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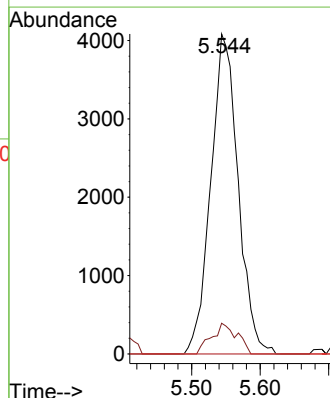
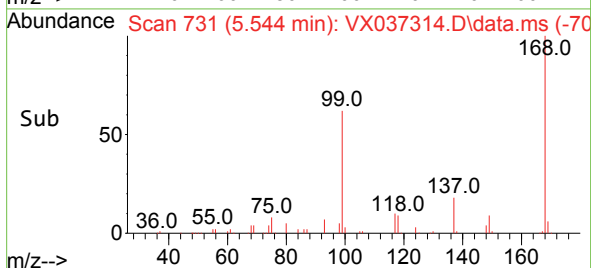
Tgt Ion:113 Resp: 73710
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 18.1 13.3 19.9

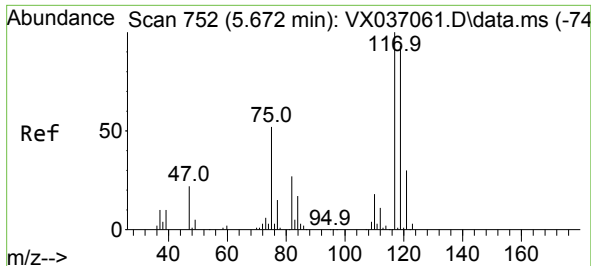


#36
1,1-Dichloropropene
Concen: 4.925 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.152 min
Lab File: VX037314.D
Acq: 29 Aug 2023 02:45



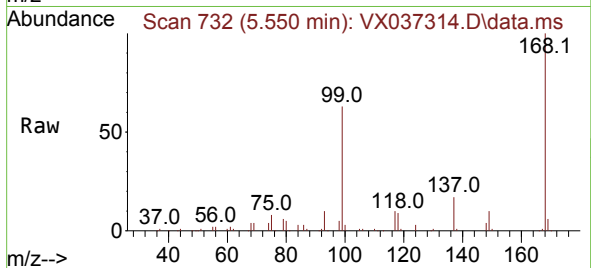
Tgt Ion: 75 Resp: 11293
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



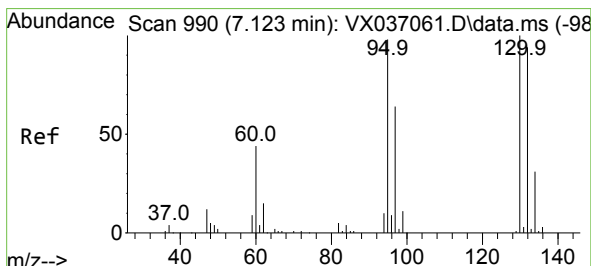
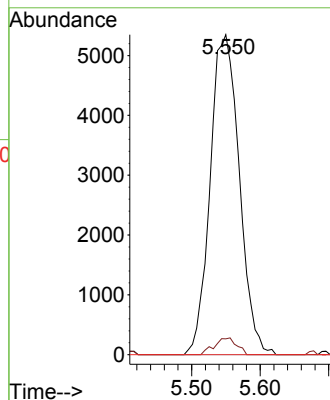
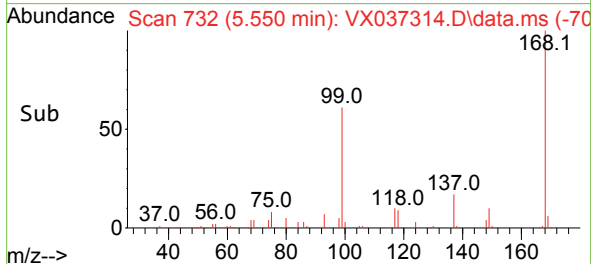


#38
Carbon Tetrachloride
Concen: 6.339 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037314.D
Acq: 29 Aug 2023 02:45

Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20230820

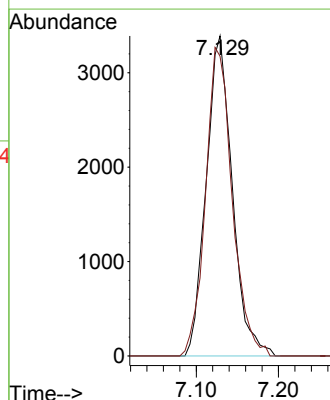
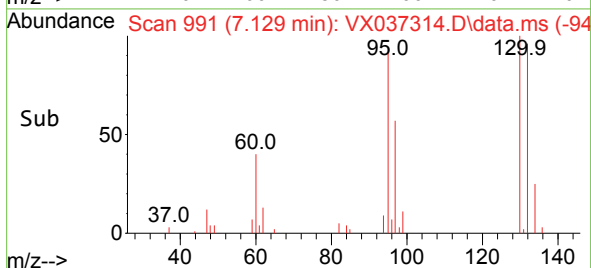
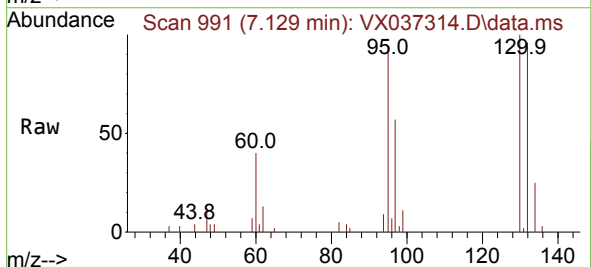


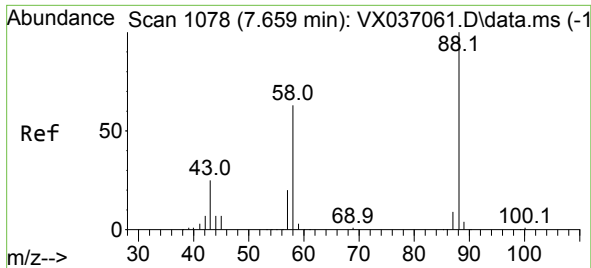
Tgt Ion:117 Resp: 15789
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 4.011 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037314.D
Acq: 29 Aug 2023 02:45

Tgt Ion:130 Resp: 7480
Ion Ratio Lower Upper
130 100
95 93.6 0.0 204.4

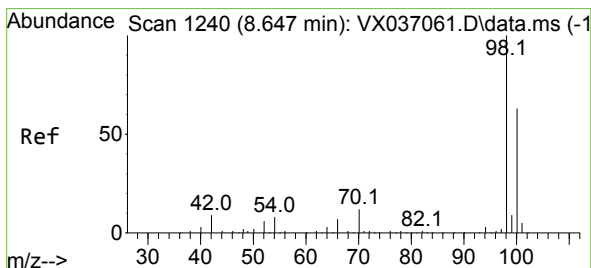
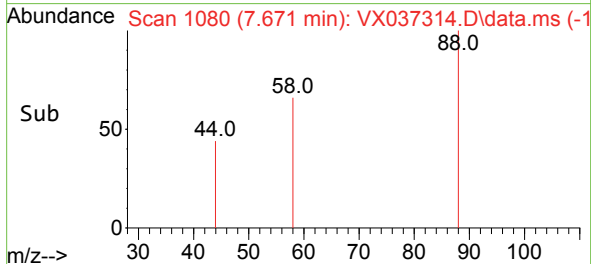
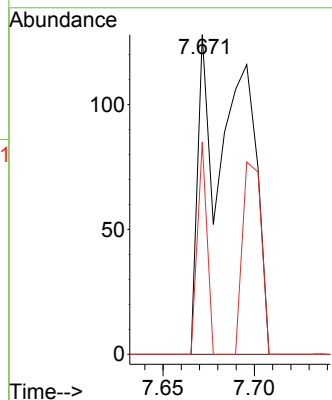
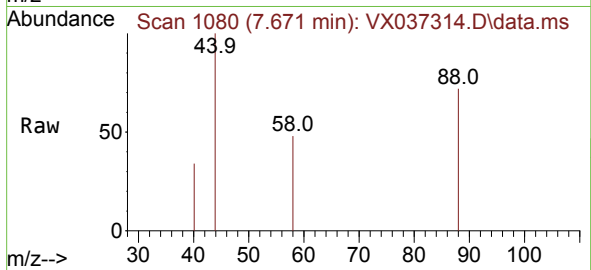




#49
1,4-Dioxane
Concen: 4.238 ug/l
RT: 7.671 min Scan# 1078
Delta R.T. 0.012 min
Lab File: VX037314.D
Acq: 29 Aug 2023 02:45

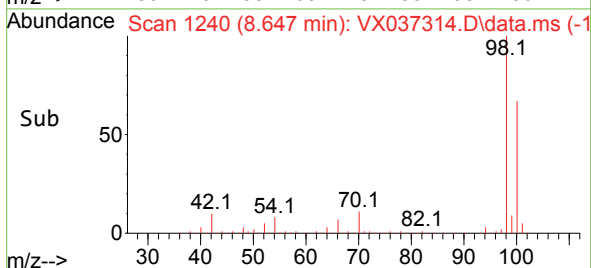
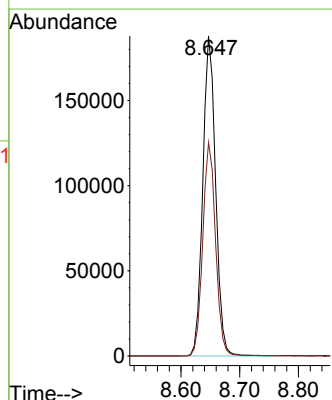
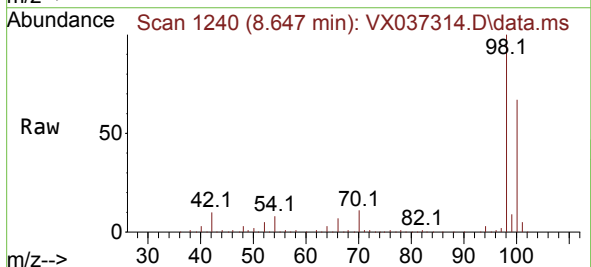
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20230820

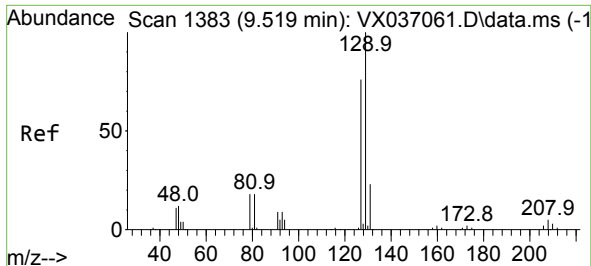
Tgt Ion: 88 Resp: 207
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 15.0 60.1 90.1#



#50
Toluene-d8
Concen: 48.573 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037314.D
Acq: 29 Aug 2023 02:45

Tgt Ion: 98 Resp: 284362
Ion Ratio Lower Upper
98 100
100 66.9 53.1 79.7

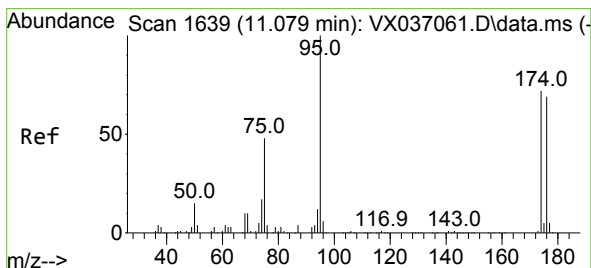
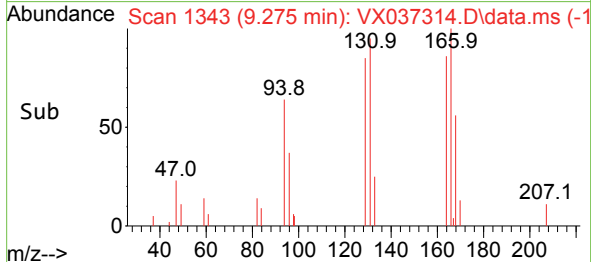
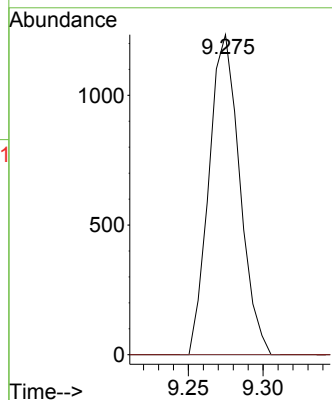
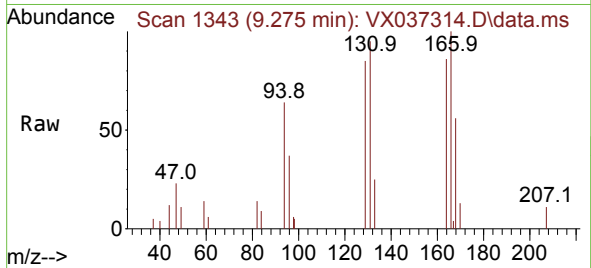




#60
Dibromochloromethane
Concen: 0.936 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037314.D
Acq: 29 Aug 2023 02:45

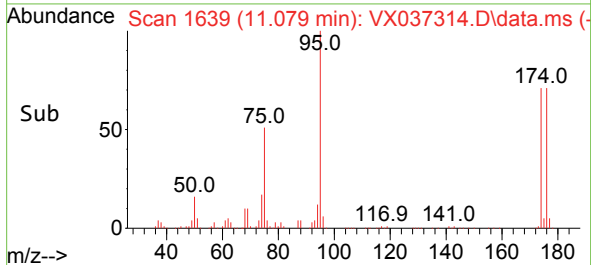
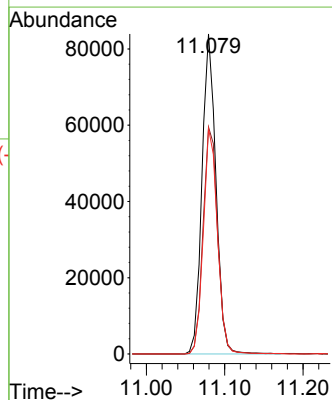
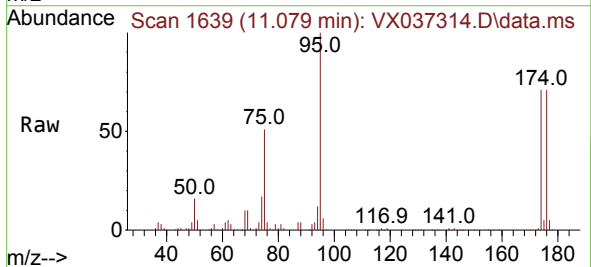
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20230820

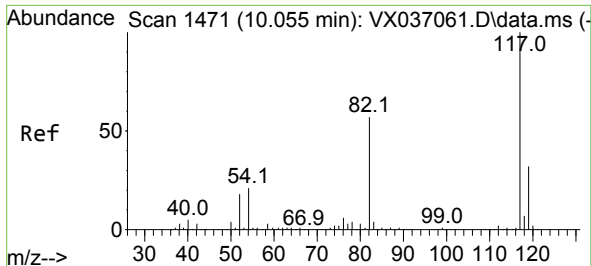
Tgt Ion:129 Resp: 1764
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 45.060 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037314.D
Acq: 29 Aug 2023 02:45

Tgt Ion: 95 Resp: 103668
Ion Ratio Lower Upper
95 100
174 74.1 0.0 135.6
176 71.2 0.0 131.0

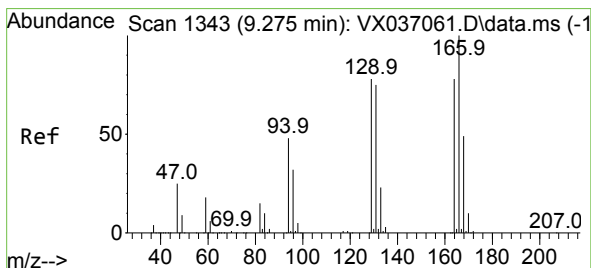
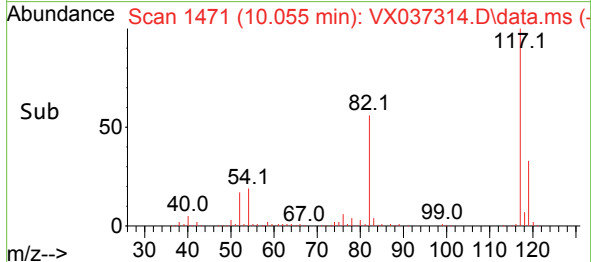
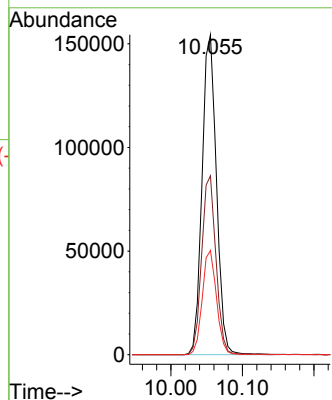
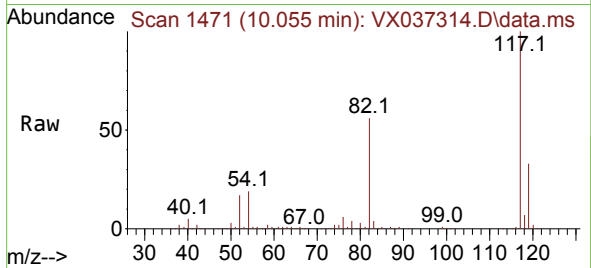




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037314.D
Acq: 29 Aug 2023 02:45

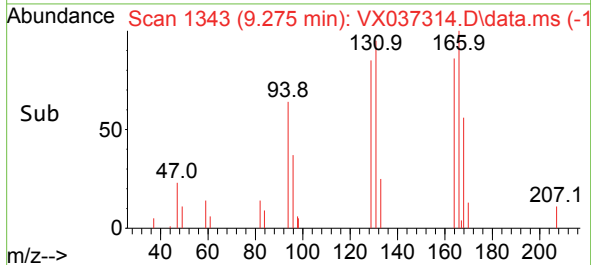
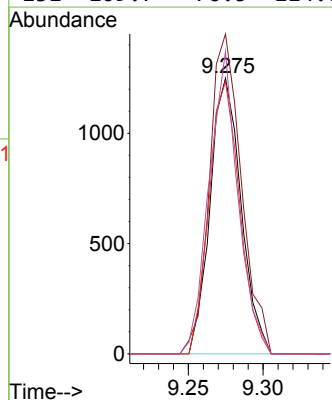
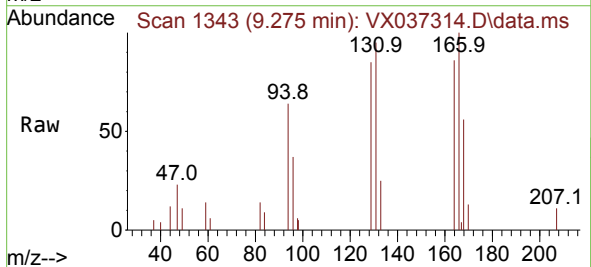
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20230820

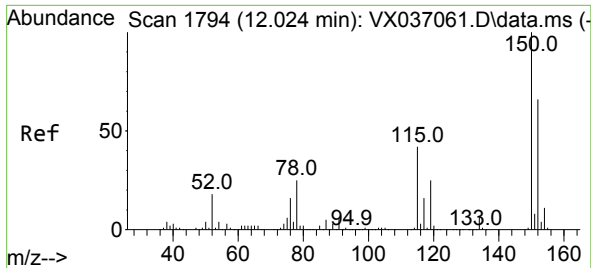
Tgt Ion:117 Resp: 215618
Ion Ratio Lower Upper
117 100
82 55.9 46.2 69.4
119 32.6 25.5 38.3



#64
Tetrachloroethene
Concen: 1.144 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX037314.D
Acq: 29 Aug 2023 02:45

Tgt Ion:164 Resp: 1799
Ion Ratio Lower Upper
164 100
166 116.0 102.7 154.1
129 98.7 80.4 120.6
131 109.7 76.5 114.7

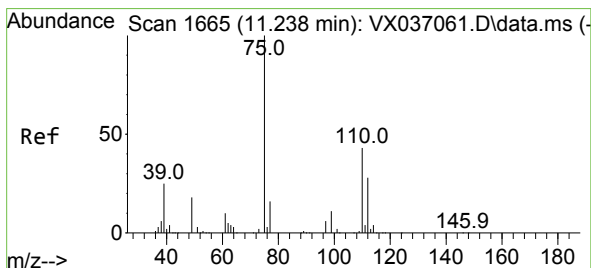
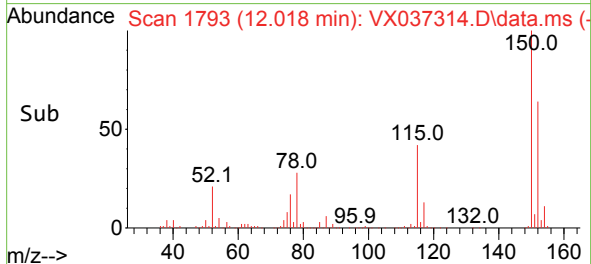
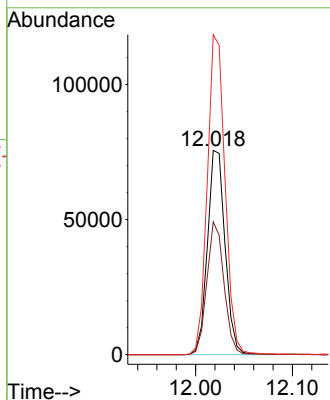
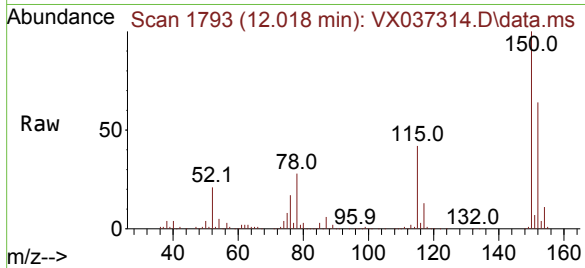




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX037314.D
 Acq: 29 Aug 2023 02:45

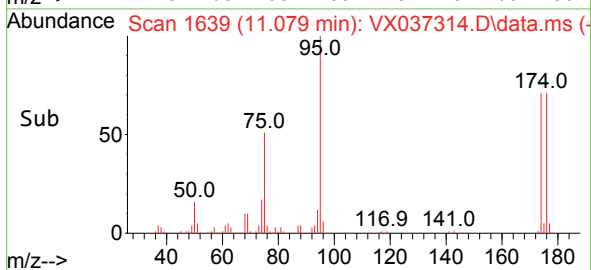
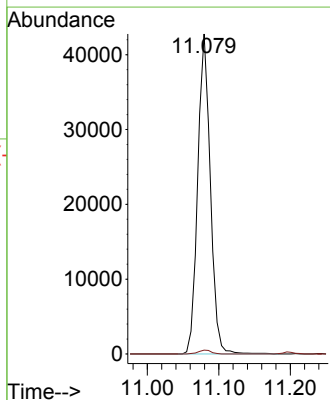
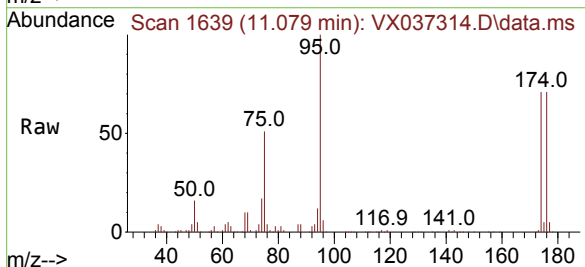
Instrument :
 MSVOA_X
 ClientSampleId :
 MW203D1-20230820

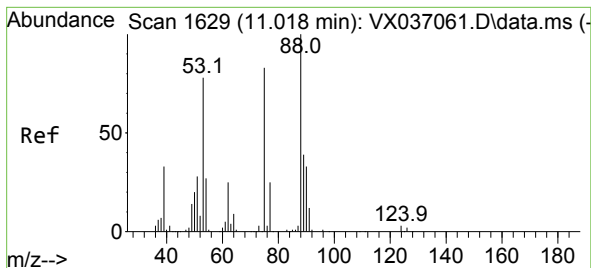
Tgt Ion:152 Resp: 96144
 Ion Ratio Lower Upper
 152 100
 115 63.3 43.3 129.9
 150 158.0 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 25.568 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX037314.D
 Acq: 29 Aug 2023 02:45

Tgt Ion: 75 Resp: 52352
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

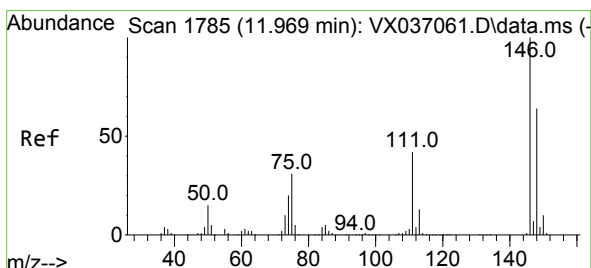
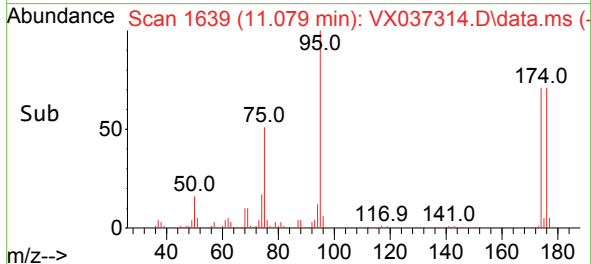
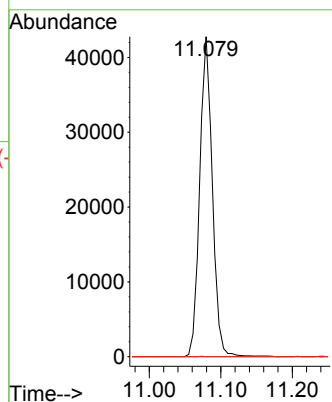
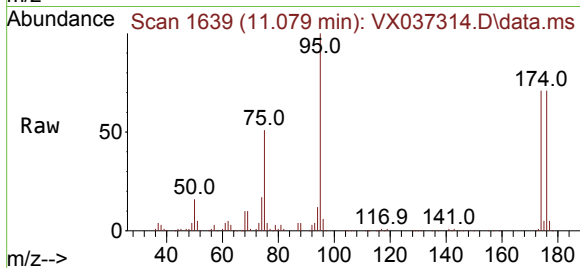




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.413 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX037314.D
 Acq: 29 Aug 2023 02:45

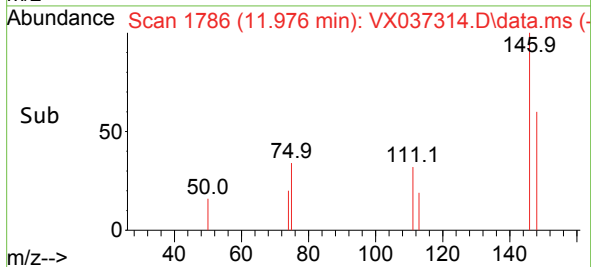
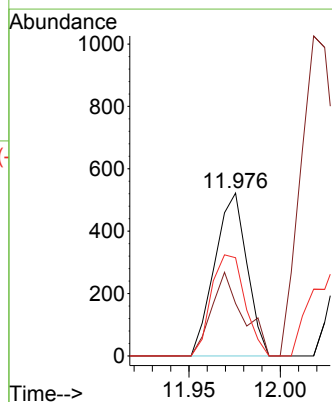
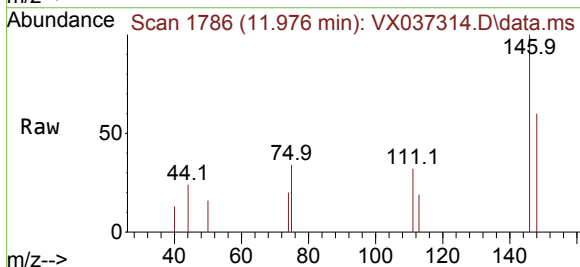
Instrument :
 MSVOA_X
 ClientSampleId :
 MW203D1-20230820

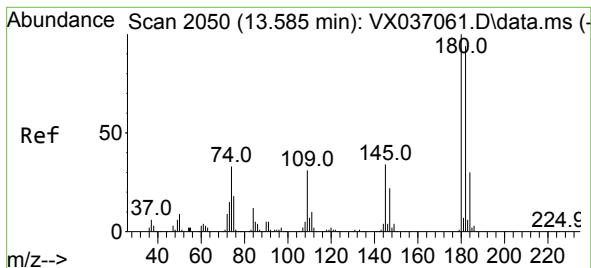
Tgt Ion: 75 Resp: 52352
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#87
 1,3-Dichlorobenzene
 Concen: 0.201 ug/l
 RT: 11.976 min Scan# 1786
 Delta R.T. 0.006 min
 Lab File: VX037314.D
 Acq: 29 Aug 2023 02:45

Tgt Ion: 146 Resp: 642
 Ion Ratio Lower Upper
 146 100
 111 50.3 22.1 66.1
 148 64.6 31.8 95.3





#93

1,2,4-Trichlorobenzene

Concen: 0.369 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX037314.D

Acq: 29 Aug 2023 02:45

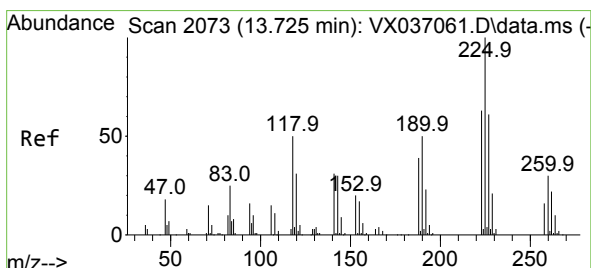
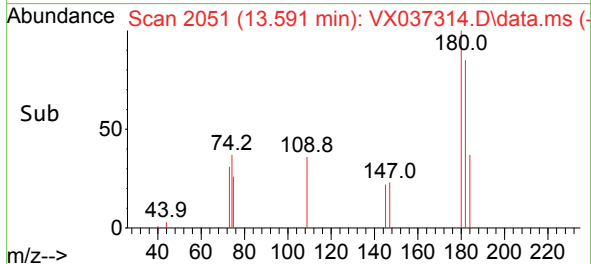
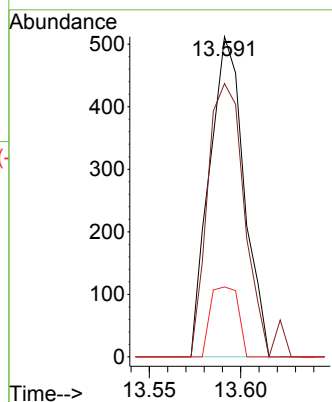
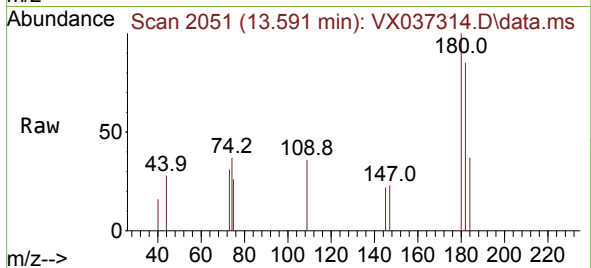
Instrument :

MSVOA_X

ClientSampleId :

MW203D1-20230820

Tgt Ion:180	Resp:	676
Ion	Ratio	Lower Upper
180	100	
182	93.0	48.3 144.8
145	17.6	18.0 54.0#



#94

Hexachlorobutadiene

Concen: 0.515 ug/l

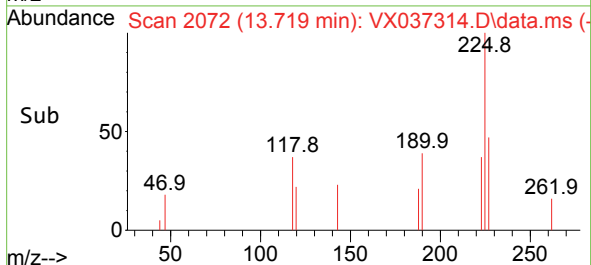
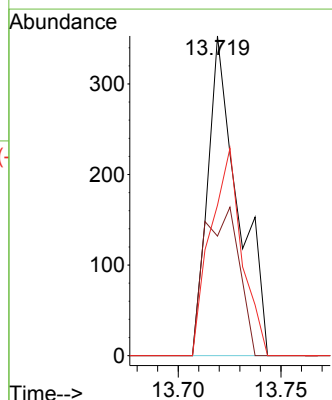
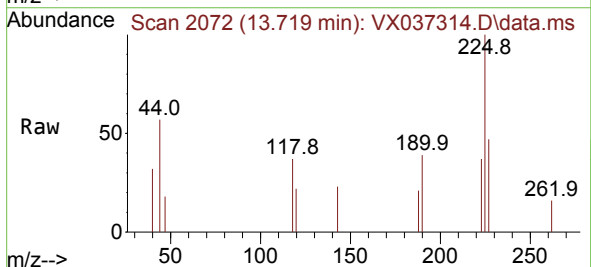
RT: 13.719 min Scan# 2072

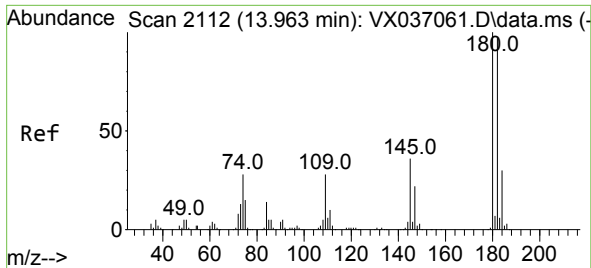
Delta R.T. -0.006 min

Lab File: VX037314.D

Acq: 29 Aug 2023 02:45

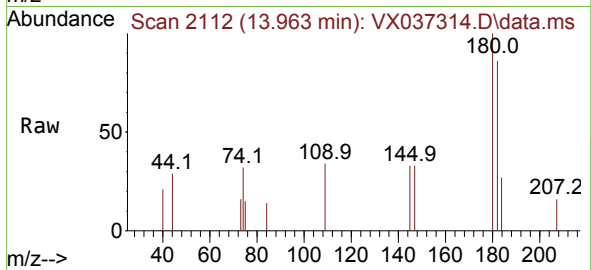
Tgt Ion:225	Resp:	364
Ion	Ratio	Lower Upper
225	100	
223	52.7	31.1 93.2
227	67.0	32.5 97.5





#96
 1,2,3-Trichlorobenzene
 Concen: 0.302 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX037314.D
 Acq: 29 Aug 2023 02:45

Instrument :
 MSVOA_X
 ClientSampleId :
 MW203D1-20230820



Tgt Ion:	180	Resp:	549
Ion	Ratio	Lower	Upper
180	100		
182	98.5	46.9	140.6
145	34.2	17.8	53.5

