

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083023\
 Data File : VX037422.D
 Acq On : 31 Aug 2023 11:28
 Operator : JC/MD
 Sample : 04128-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW305I-20230822

Quant Time: Aug 31 18:24:08 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)

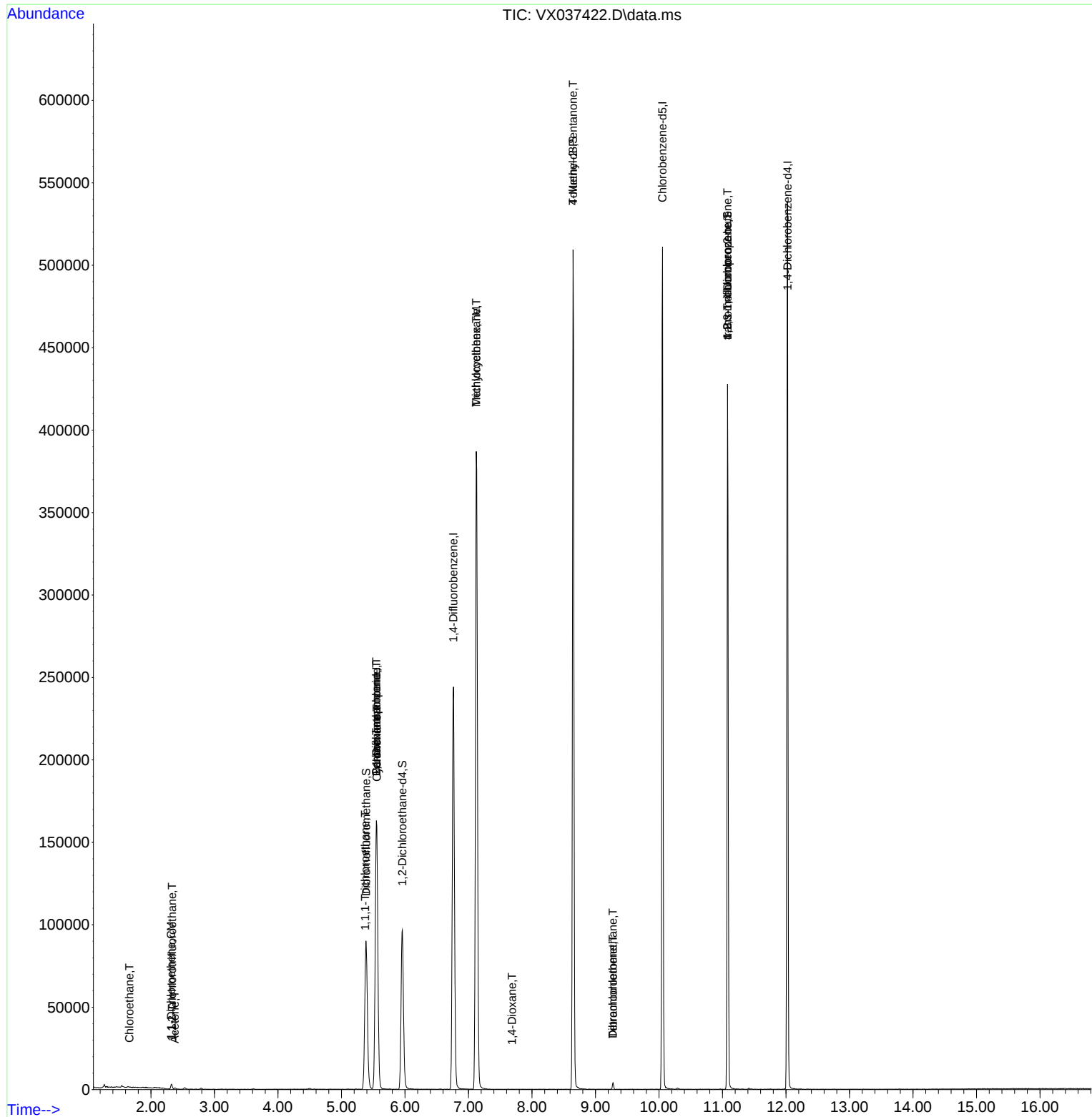
Internal Standards						
1) Pentafluorobenzene	5.550	168	155046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	259811	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	97104	43.442	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.880%
35) Dibromofluoromethane	5.385	113	79680	46.308	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.620%
50) Toluene-d8	8.647	98	304769	48.829	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.660%
62) 4-Bromofluorobenzene	11.079	95	118070	48.136	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.280%
Target Compounds						
					Qvalue	
6) Chloroethane	1.660	64	263	0.261	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	499	0.304	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	921	0.577	ug/l	81
16) Acetone	2.374	43	937	1.072	ug/l #	71
31) Cyclohexane	5.556	56	3003	1.195	ug/l #	1
32) 1,1,1-Trichloroethane	5.373	97	694	0.217	ug/l #	36
36) 1,1-Dichloropropene	5.550	75	12082	4.942	ug/l #	51
38) Carbon Tetrachloride	5.550	117	16345	6.155	ug/l #	15
39) Methylcyclohexane	7.123	83	1956	0.762	ug/l #	1
44) Trichloroethene	7.123	130	158267	79.609	ug/l	96
49) 1,4-Dioxane	7.684	88	25	0.480	ug/l #	12
51) 4-Methyl-2-Pentanone	8.647	43	1110	0.461	ug/l #	1
60) Dibromochloromethane	9.275	129	695	0.346	ug/l #	11
64) Tetrachloroethene	9.275	164	630	0.361	ug/l #	78
76) 1,2,3-Trichloropropane	11.079	75	58118	23.309	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	58118	65.103	ug/l #	5

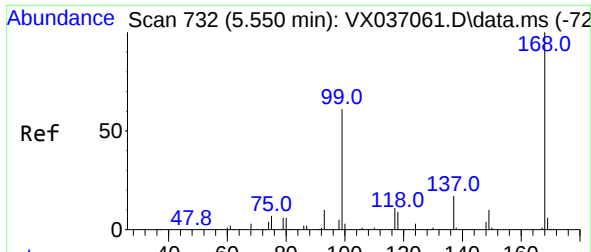
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration

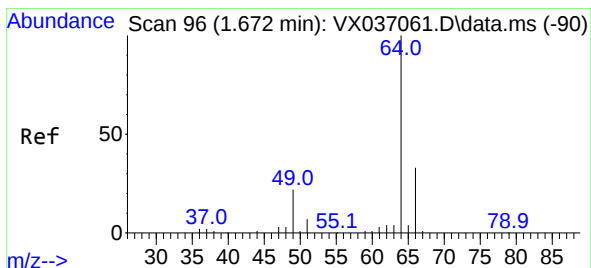
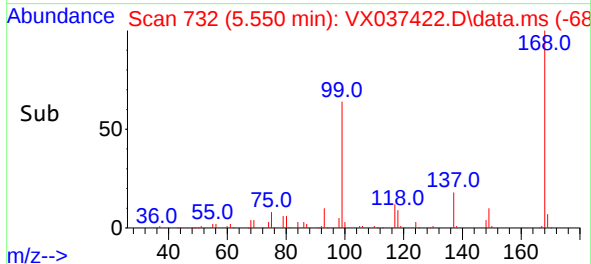
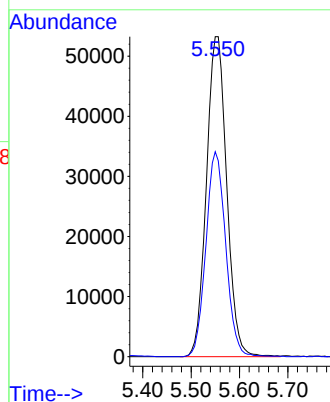
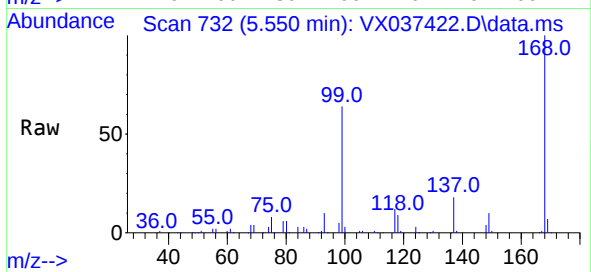




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037422.D
Acq: 31 Aug 2023 11:28

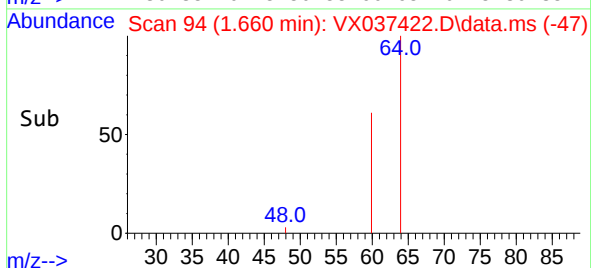
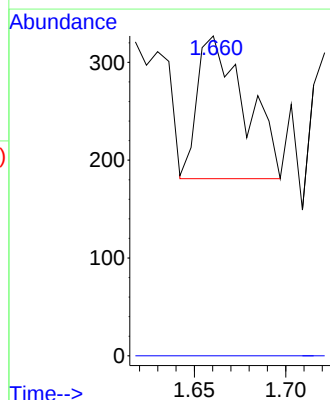
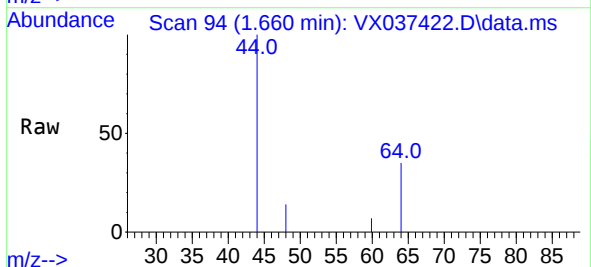
Instrument :
MSVOA_X
ClientSampleId :
MW305I-20230822

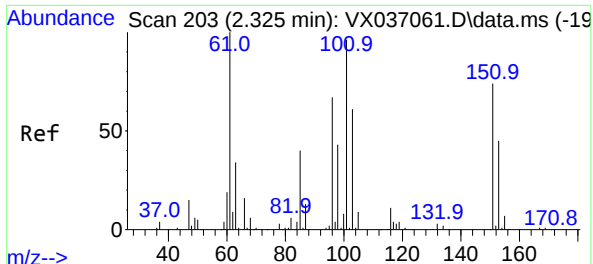
Tgt Ion:168 Resp: 155046
Ion Ratio Lower Upper
168 100
99 64.0 56.6 85.0



#6
Chloroethane
Concen: 0.261 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.012 min
Lab File: VX037422.D
Acq: 31 Aug 2023 11:28

Tgt Ion: 64 Resp: 263
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

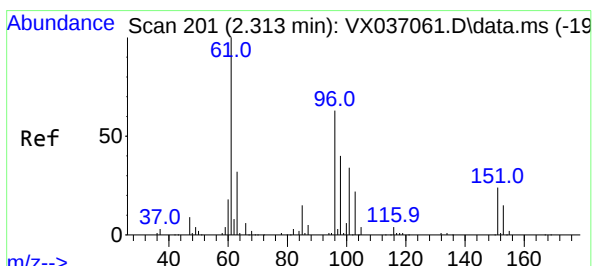
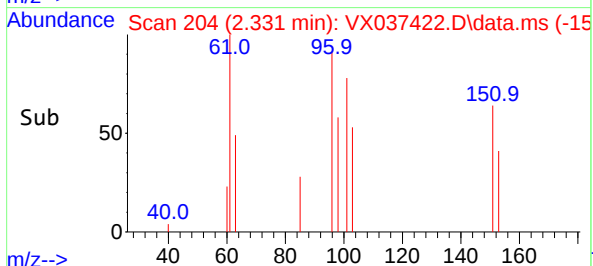
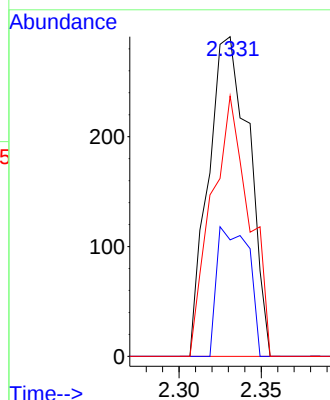
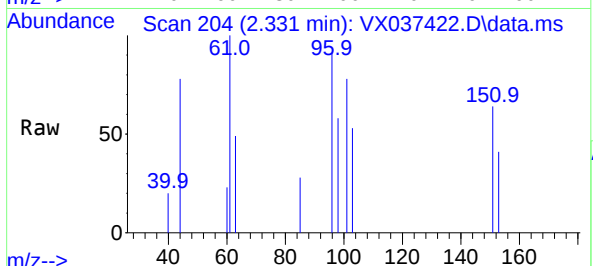




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.304 ug/l
RT: 2.331 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX037422.D
Acq: 31 Aug 2023 11:28

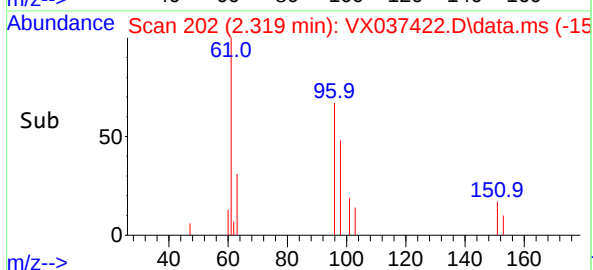
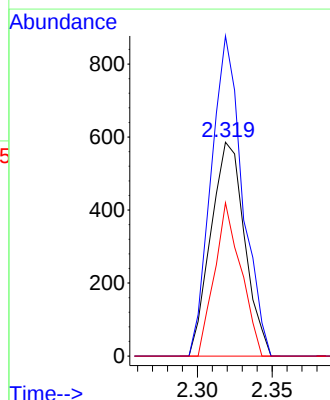
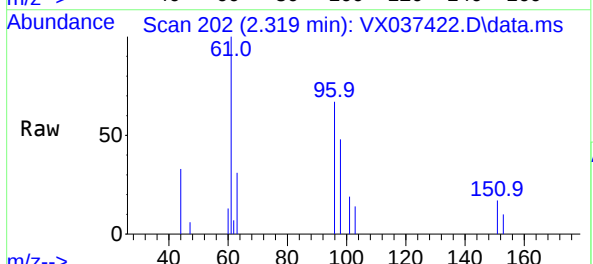
Instrument :
MSVOA_X
ClientSampleId :
MW305I-20230822

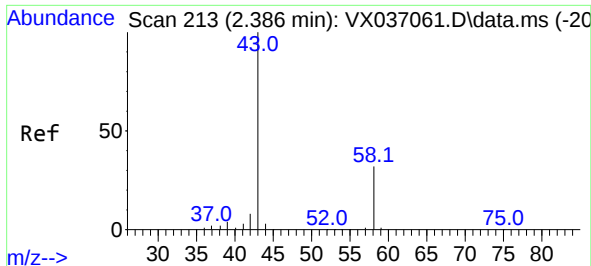
Tgt Ion:101 Resp: 499
Ion Ratio Lower Upper
101 100
85 31.7 37.0 55.6#
151 75.6 58.6 87.8



#12
1,1-Dichloroethene
Concen: 0.577 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX037422.D
Acq: 31 Aug 2023 11:28

Tgt Ion: 96 Resp: 921
Ion Ratio Lower Upper
96 100
61 149.7 144.6 216.8
98 71.7 50.4 75.6

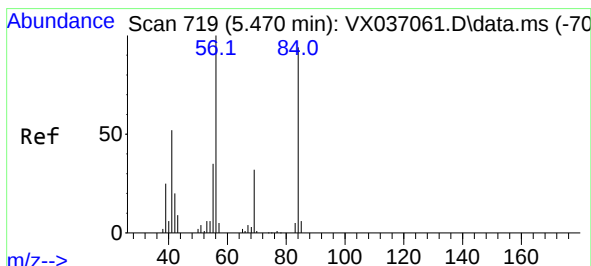
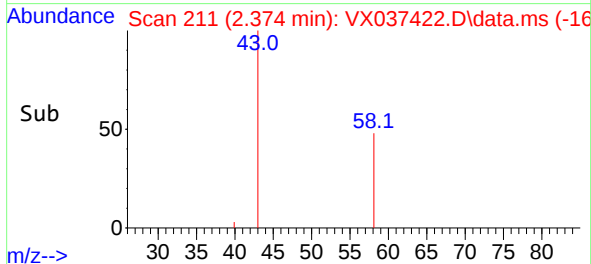
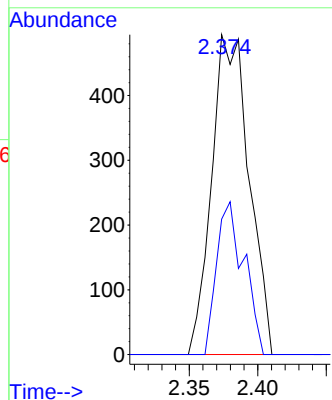
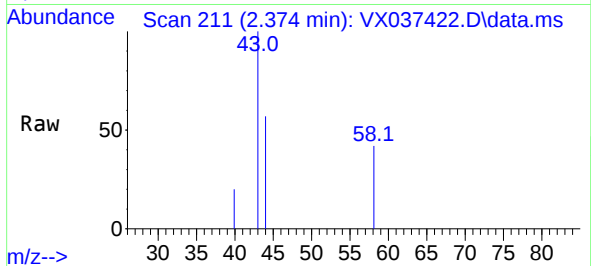




#16
Acetone
Concen: 1.072 ug/l
RT: 2.374 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX037422.D
Acq: 31 Aug 2023 11:28

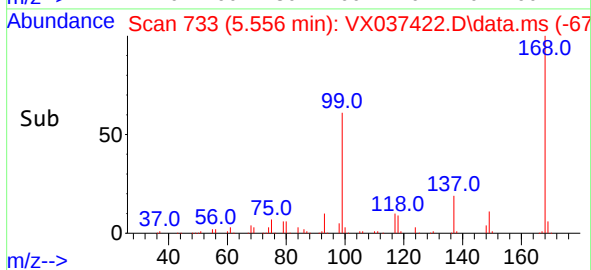
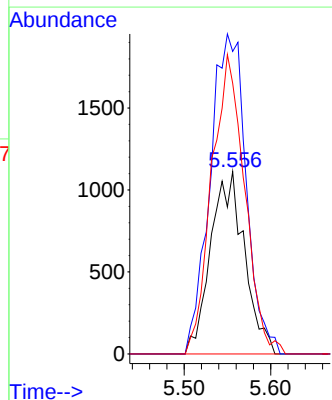
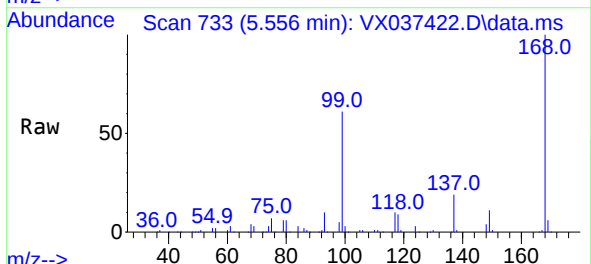
Instrument :
MSVOA_X
ClientSampleId :
MW305I-20230822

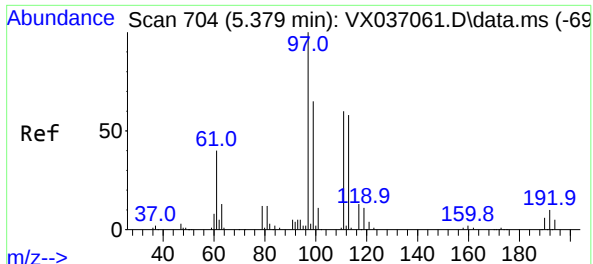
Tgt Ion: 43 Resp: 937
Ion Ratio Lower Upper
43 100
58 42.3 21.9 32.9#



#31
Cyclohexane
Concen: 1.195 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX037422.D
Acq: 31 Aug 2023 11:28

Tgt Ion: 56 Resp: 3003
Ion Ratio Lower Upper
56 100
69 166.0 23.4 35.2#
84 148.5 65.9 98.9#





#32

1,1,1-Trichloroethane

Concen: 0.217 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX037422.D

Acq: 31 Aug 2023 11:28

Instrument :

MSVOA_X

ClientSampleId :

MW305I-20230822

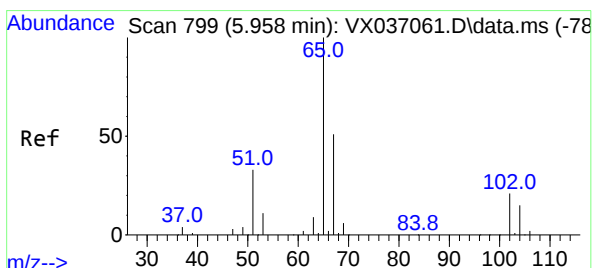
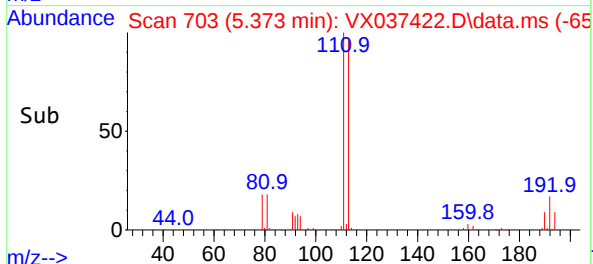
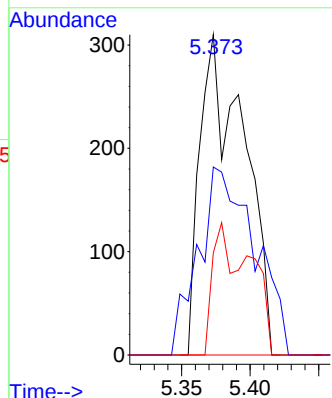
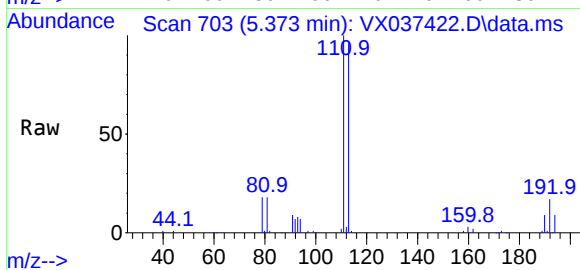
Tgt Ion: 97 Resp: 694

Ion Ratio Lower Upper

97 100

99 0.0 51.1 76.7#

61 20.5 36.4 54.6#



#33

1,2-Dichloroethane-d4

Concen: 43.442 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037422.D

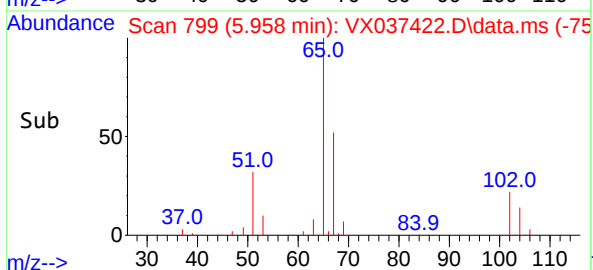
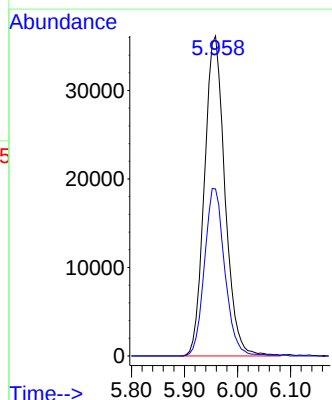
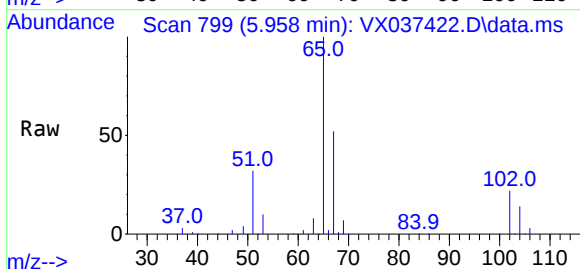
Acq: 31 Aug 2023 11:28

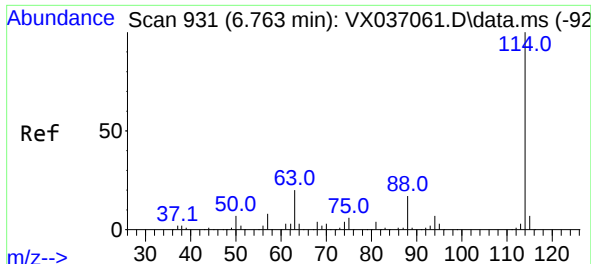
Tgt Ion: 65 Resp: 97104

Ion Ratio Lower Upper

65 100

67 52.1 0.0 100.2

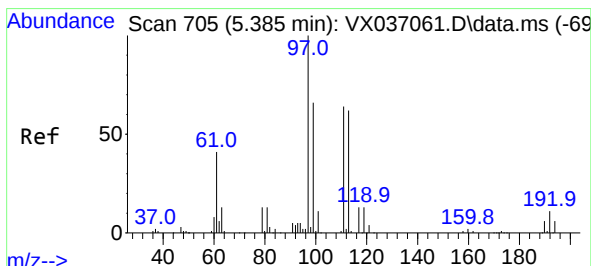
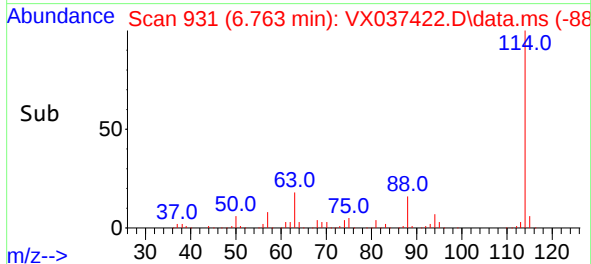
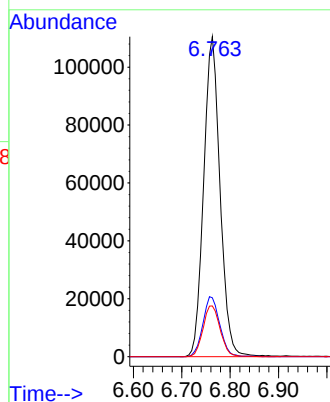
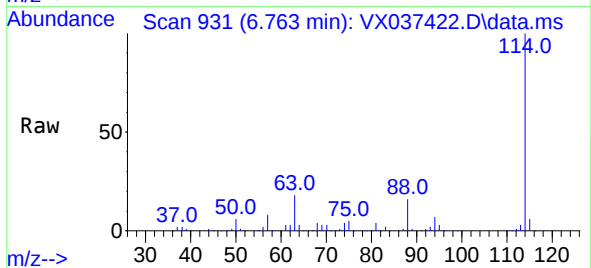




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX037422.D
Acq: 31 Aug 2023 11:28

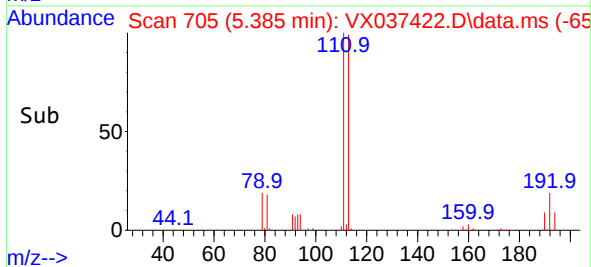
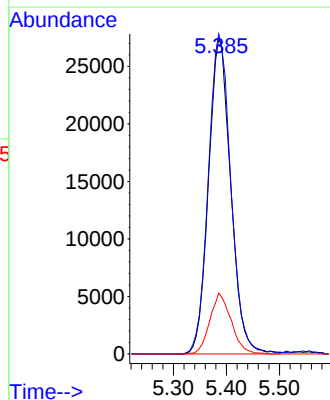
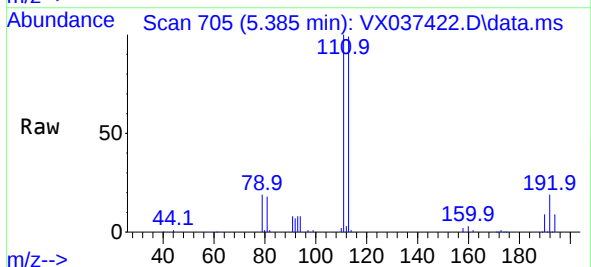
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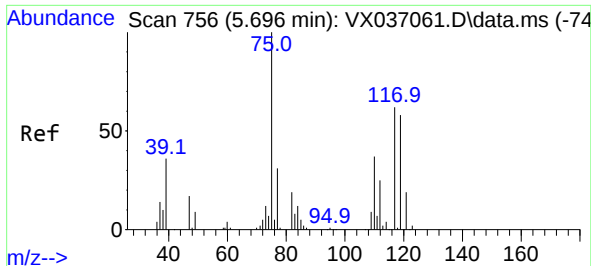
Tgt Ion:114 Resp: 259811
Ion Ratio Lower Upper
114 100
63 18.4 0.0 45.0
88 15.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.308 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037422.D
Acq: 31 Aug 2023 11:28

Tgt Ion:113 Resp: 79680
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 18.5 13.3 19.9

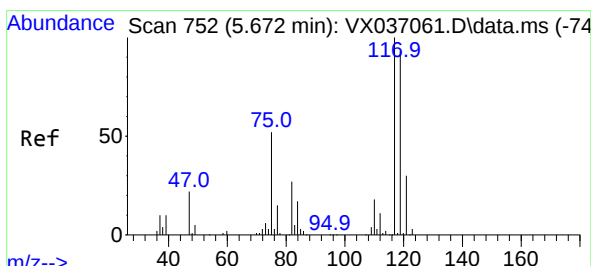
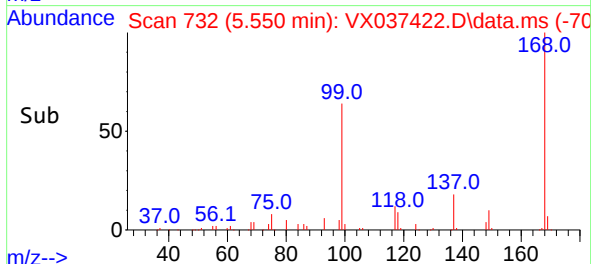
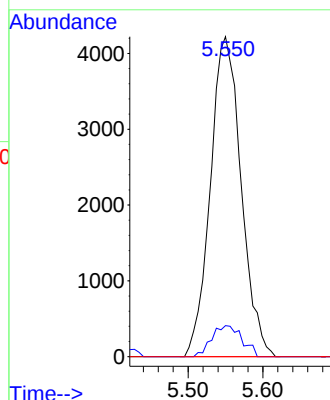
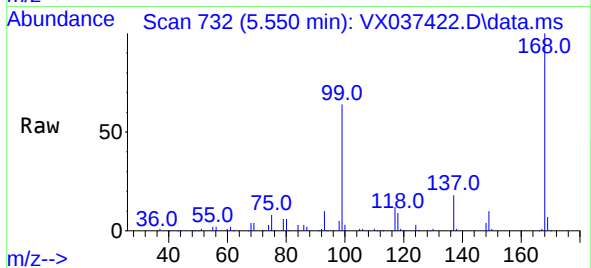




#36
1,1-Dichloropropene
Concen: 4.942 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX037422.D
Acq: 31 Aug 2023 11:28

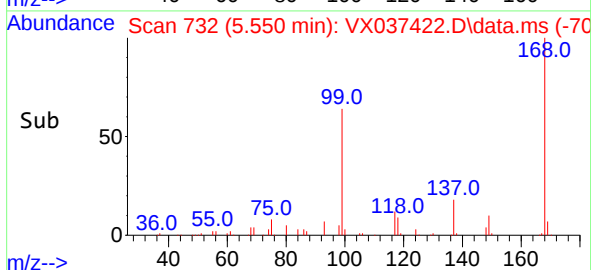
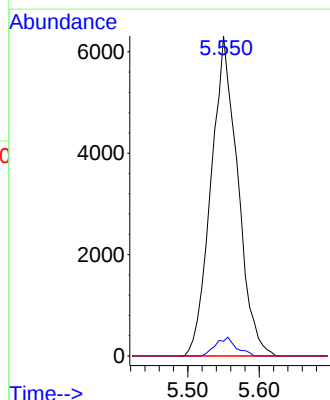
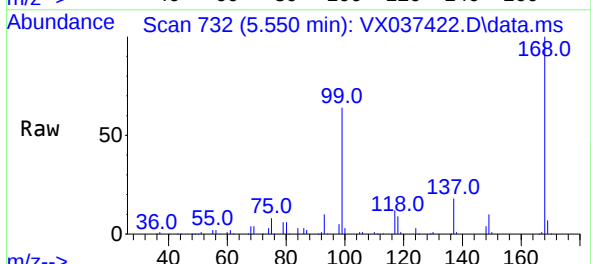
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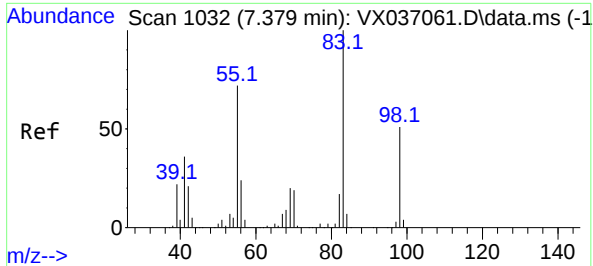
Tgt Ion: 75 Resp: 12082
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.155 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037422.D
Acq: 31 Aug 2023 11:28

Tgt Ion: 117 Resp: 16345
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#

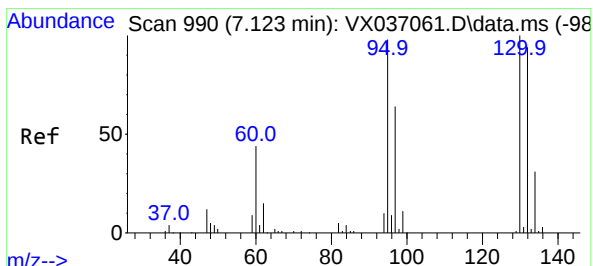
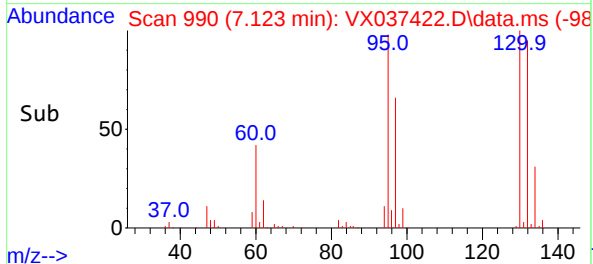
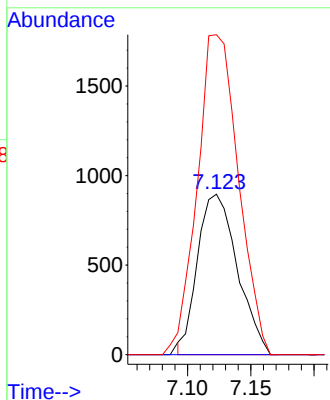
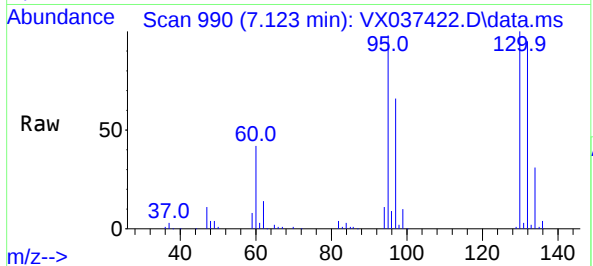




#39
Methylcyclohexane
Concen: 0.762 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037422.D
Acq: 31 Aug 2023 11:28

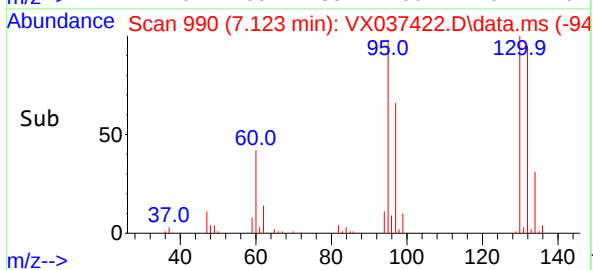
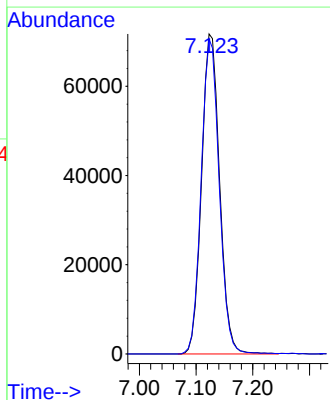
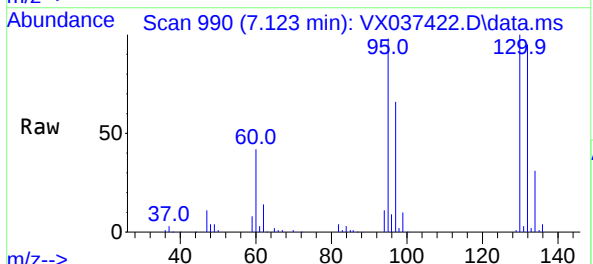
Instrument :
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MW305I-20230822

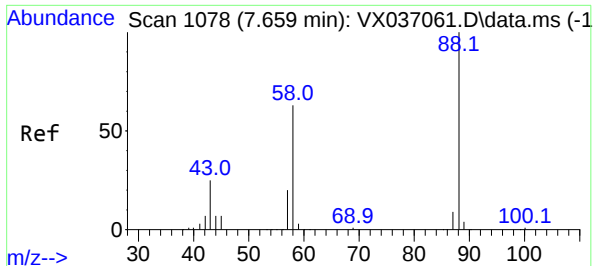
Tgt Ion: 83	Resp:	1956
Ion	Ratio	Lower Upper
83	100	
55	0.0	64.6 97.0#
98	199.4	36.7 55.1#



#44
Trichloroethene
Concen: 79.609 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037422.D
Acq: 31 Aug 2023 11:28

Tgt Ion: 130	Resp:	158267
Ion	Ratio	Lower Upper
130	100	
95	98.4	0.0 204.4





#49

1,4-Dioxane

Concen: 0.480 ug/l

RT: 7.684 min Scan# 1078

Delta R.T. 0.025 min

Lab File: VX037422.D

Acq: 31 Aug 2023 11:28

Instrument :

MSVOA_X

ClientSampleId :

MW305I-20230822

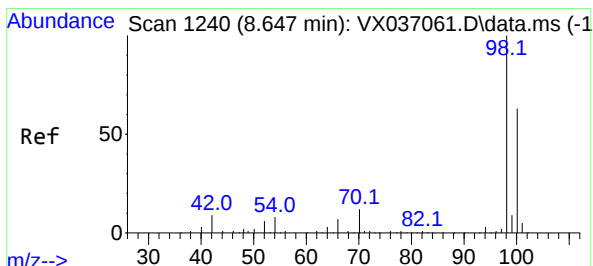
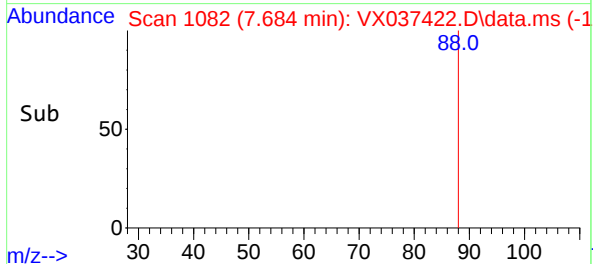
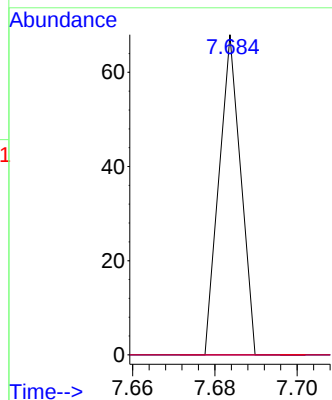
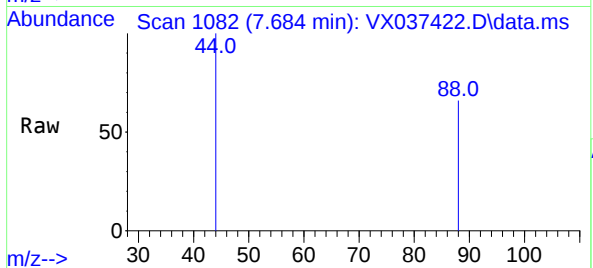
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 60.1 90.1#



#50

Toluene-d8

Concen: 48.829 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037422.D

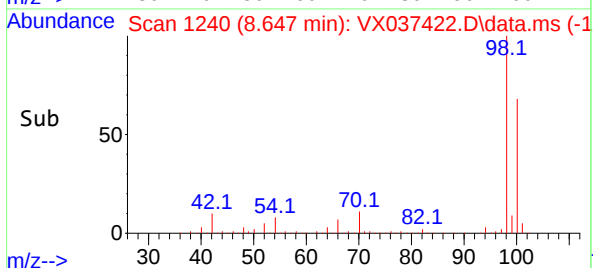
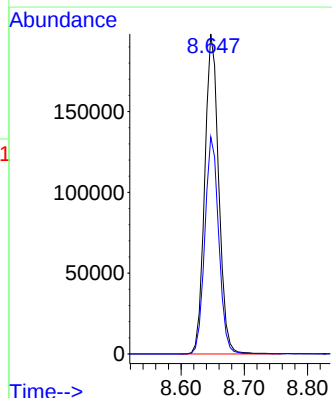
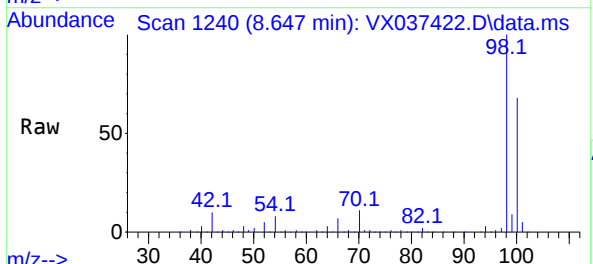
Acq: 31 Aug 2023 11:28

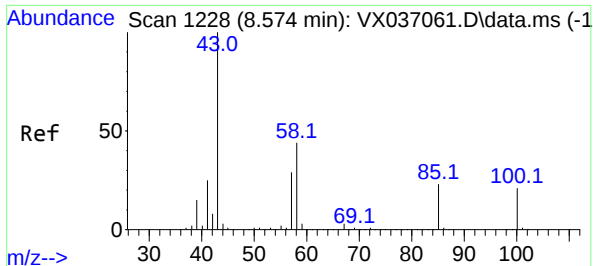
Tgt Ion: 98 Resp: 304769

Ion Ratio Lower Upper

98 100

100 67.5 53.1 79.7

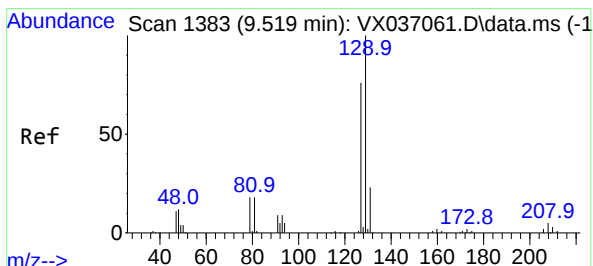
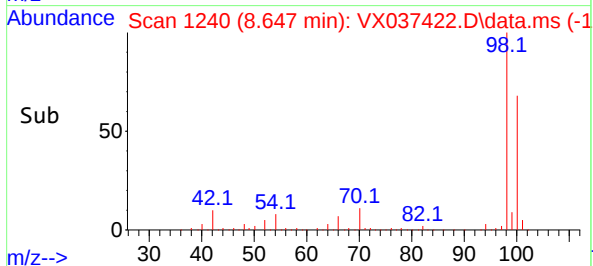
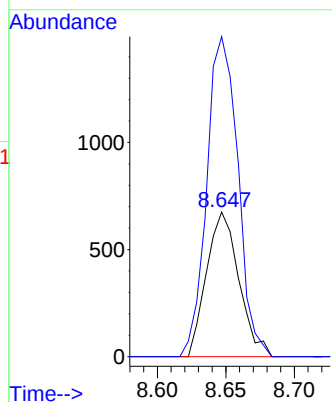
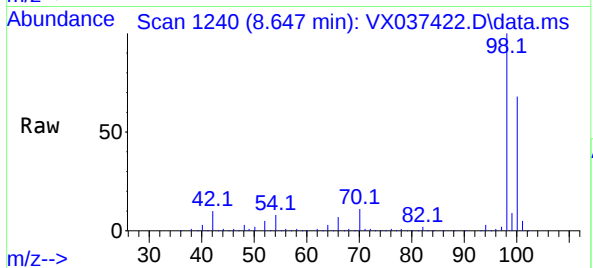




#51
4-Methyl-2-Pentanone
Concen: 0.461 ug/l
RT: 8.647 min Scan# 1110
Delta R.T. 0.073 min
Lab File: VX037422.D
Acq: 31 Aug 2023 11:28

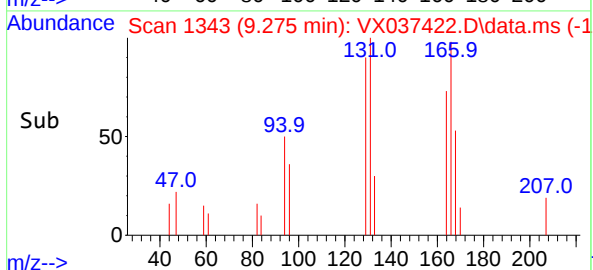
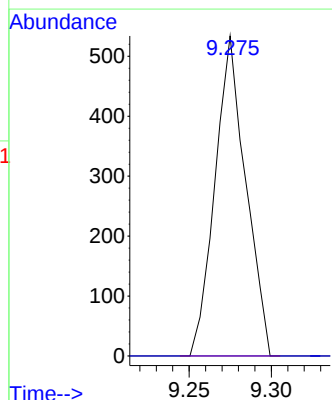
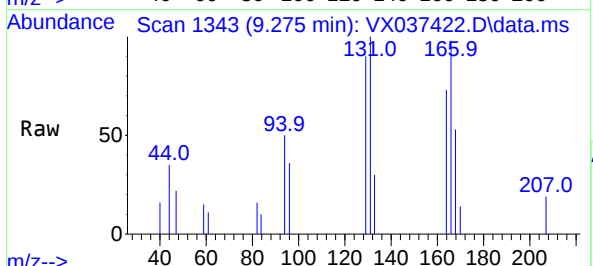
Instrument :
MSVOA_X
ClientSampleId :
MW305I-20230822

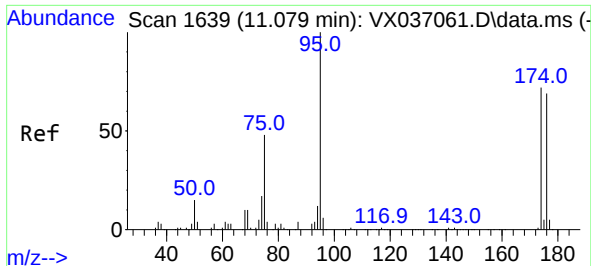
Tgt Ion: 43 Resp: 1110
Ion Ratio Lower Upper
43 100
58 213.2 30.4 45.6#



#60
Dibromochloromethane
Concen: 0.346 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX037422.D
Acq: 31 Aug 2023 11:28

Tgt Ion: 129 Resp: 695
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

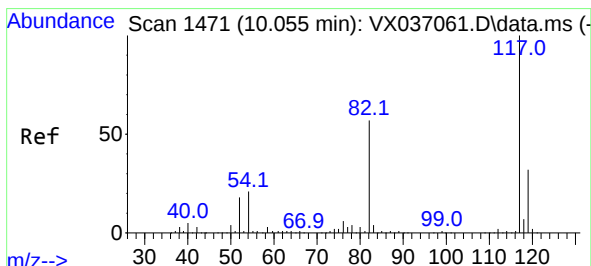
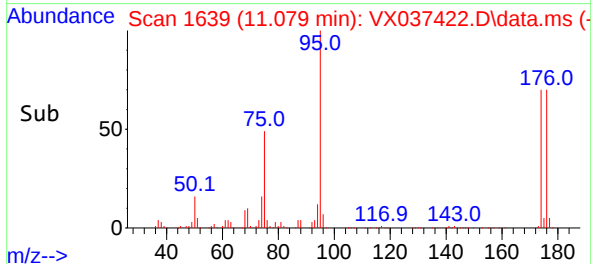
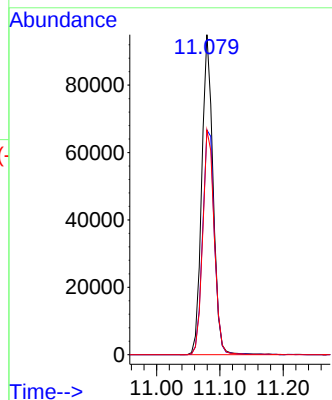
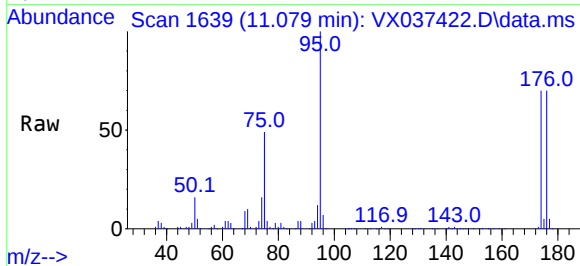




#62
4-Bromofluorobenzene
Concen: 48.136 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037422.D
Acq: 31 Aug 2023 11:28

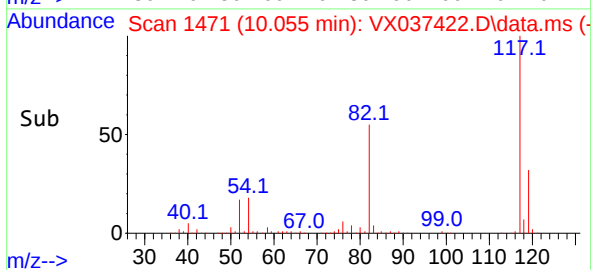
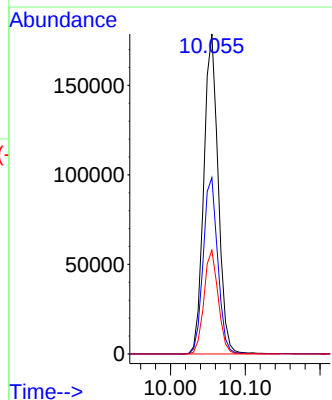
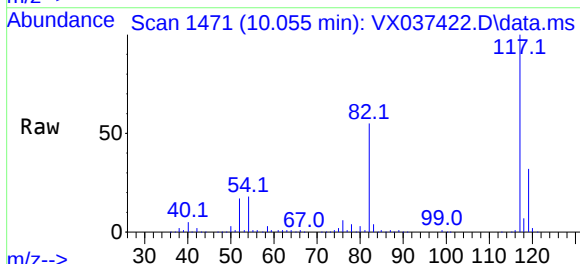
Instrument :
MSVOA_X
ClientSampleId :
MW305I-20230822

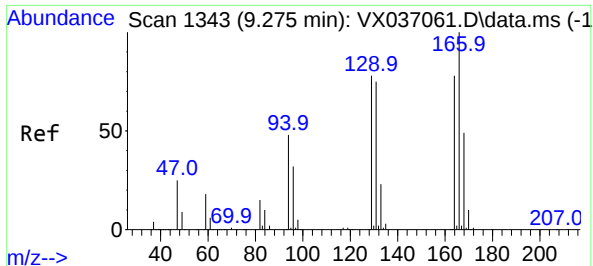
Tgt Ion: 95 Resp: 118070
Ion Ratio Lower Upper
95 100
174 73.6 0.0 135.6
176 71.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037422.D
Acq: 31 Aug 2023 11:28

Tgt Ion: 117 Resp: 238989
Ion Ratio Lower Upper
117 100
82 55.1 46.2 69.4
119 32.4 25.5 38.3



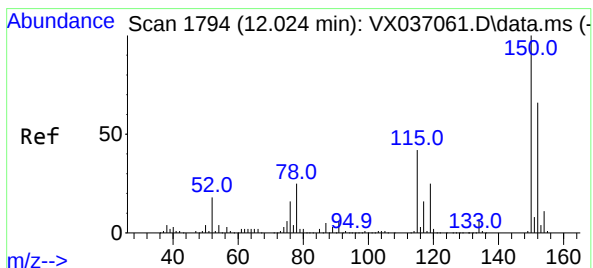
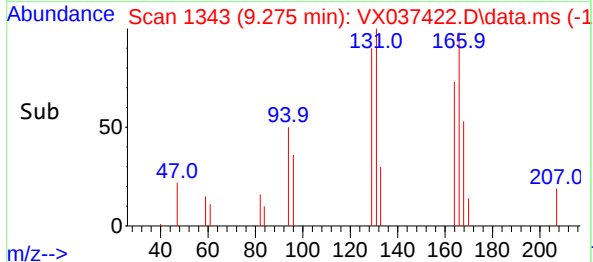
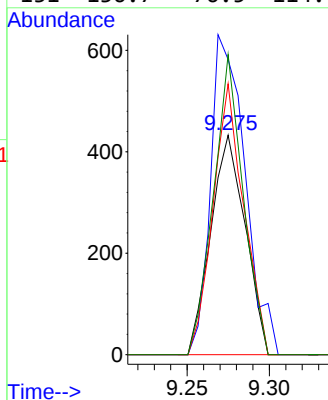
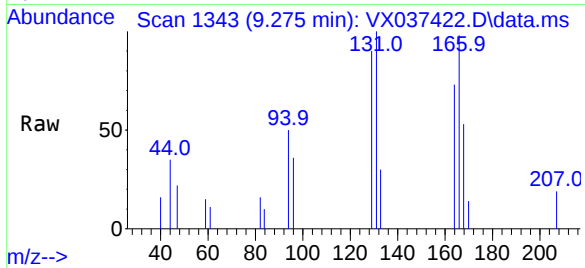


#64
Tetrachloroethene
Concen: 0.361 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037422.D
Acq: 31 Aug 2023 11:28

Instrument :
MSVOA_X
ClientSampleId :
MW305I-20230822

Tgt Ion:164 Resp: 630

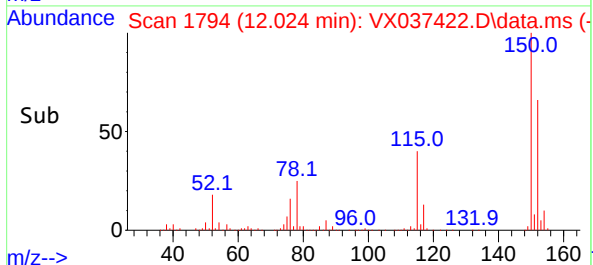
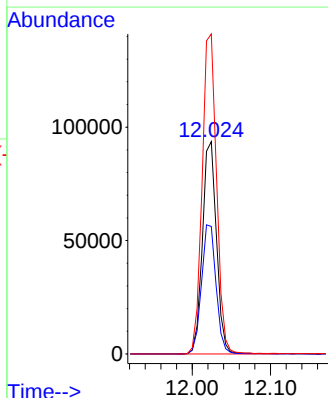
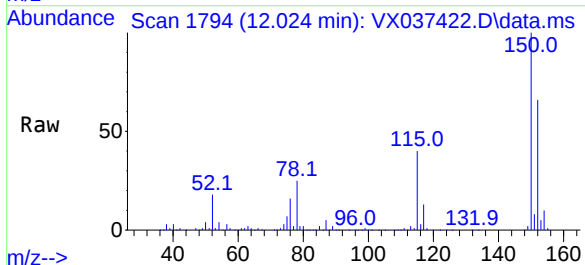
Ion	Ratio	Lower	Upper
164	100		
166	134.4	102.7	154.1
129	123.3	80.4	120.6#
131	136.7	76.5	114.7#

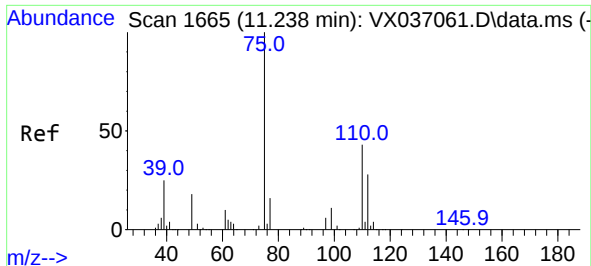


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037422.D
Acq: 31 Aug 2023 11:28

Tgt Ion:152 Resp: 117078

Ion	Ratio	Lower	Upper
152	100		
115	62.9	43.3	129.9
150	154.3	0.0	345.0

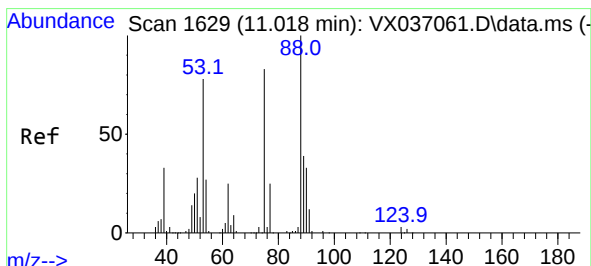
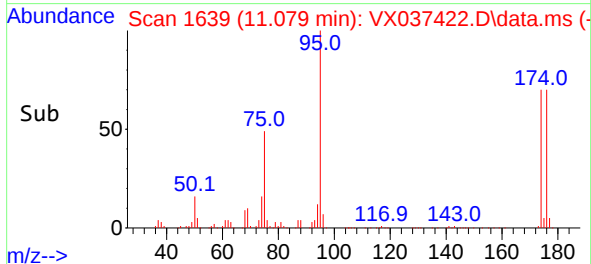
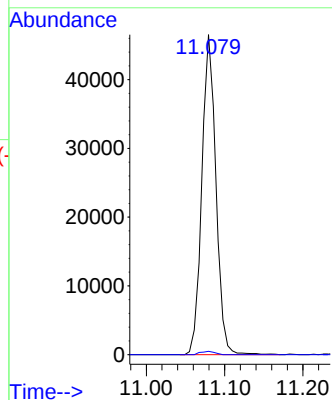
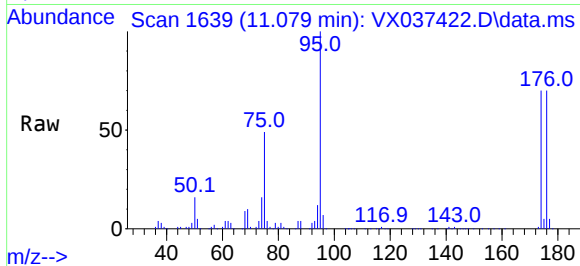




#76
1,2,3-Trichloropropane
Concen: 23.309 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037422.D
Acq: 31 Aug 2023 11:28

Instrument :
MSVOA_X
ClientSampleId :
MW305I-20230822

Tgt Ion: 75 Resp: 58118
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.103 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037422.D
Acq: 31 Aug 2023 11:28

Tgt Ion: 75 Resp: 58118
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

