

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082823\
 Data File : VX037302.D
 Acq On : 28 Aug 2023 18:13
 Operator : JC/MD
 Sample : 04126-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D-20230819

Quant Time: Aug 29 01:01:47 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)

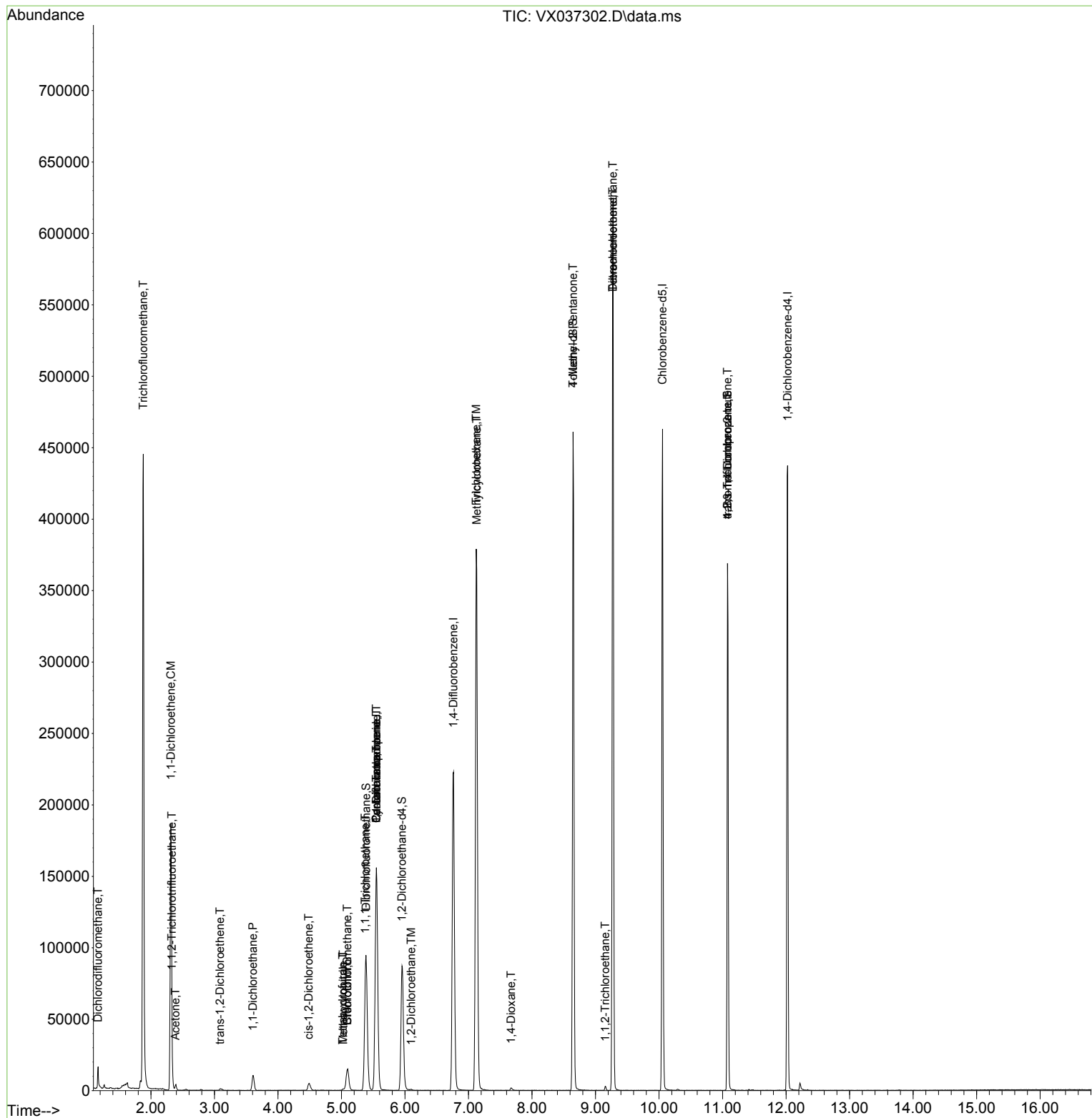
Internal Standards						
1) Pentafluorobenzene	5.550	168	144958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	239604	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88161	42.186	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.380%
35) Dibromofluoromethane	5.385	113	73360	46.230	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.460%
50) Toluene-d8	8.647	98	275746	47.905	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.820%
62) 4-Bromofluorobenzene	11.079	95	102701	45.402	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	10612	6.302	ug/l	98
7) Trichlorofluoromethane	1.880	101	294150	111.986	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	2991	1.952	ug/l	95
12) 1,1-Dichloroethene	2.312	96	62936	42.177	ug/l	83
16) Acetone	2.386	43	896	1.096	ug/l #	88
21) trans-1,2-Dichloroethene	3.087	96	433	0.255	ug/l #	76
24) 1,1-Dichloroethane	3.605	63	12333	4.150	ug/l #	96
27) cis-1,2-Dichloroethene	4.483	96	3522	1.761	ug/l	81
28) Bromochloromethane	5.092	49	1352	1.018	ug/l #	16
29) Tetrahydrofuran	5.019	42	439	0.559	ug/l #	59
30) Chloroform	5.092	83	19209	5.757	ug/l	95
31) Cyclohexane	5.550	56	3035	1.292	ug/l #	1
32) 1,1,1-Trichloroethane	5.373	97	12729	4.257	ug/l	97
36) 1,1-Dichloropropene	5.550	75	11229	4.981	ug/l #	52
38) Carbon Tetrachloride	5.550	117	15554	6.351	ug/l #	16
39) Methylcyclohexane	7.129	83	1790	0.756	ug/l #	1
41) Methacrylonitrile	5.025	41	519	0.434	ug/l #	34
42) 1,2-Dichloroethane	6.098	62	612	0.241	ug/l #	77
44) Trichloroethene	7.123	130	152936	83.416	ug/l	96
49) 1,4-Dioxane	7.671	88	1666	34.693	ug/l #	75
51) 4-Methyl-2-Pentanone	8.647	43	979	0.441	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	853	0.490	ug/l #	92
60) Dibromochloromethane	9.275	129	116998	63.170	ug/l #	11
64) Tetrachloroethene	9.275	164	116124	75.155	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	50948	25.731	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	50948	71.869	ug/l #	5

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

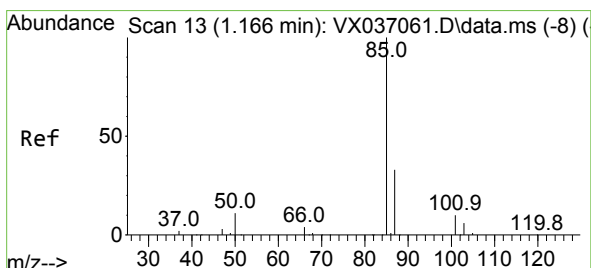
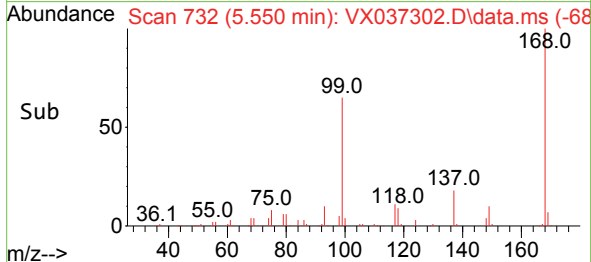
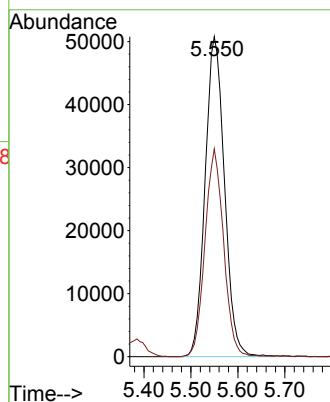
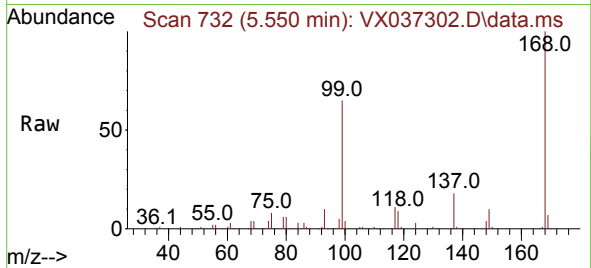




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

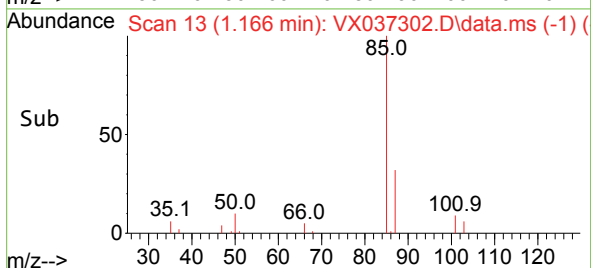
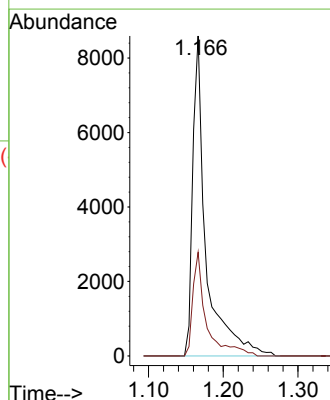
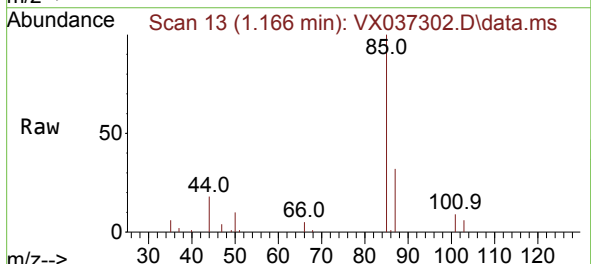
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20230819

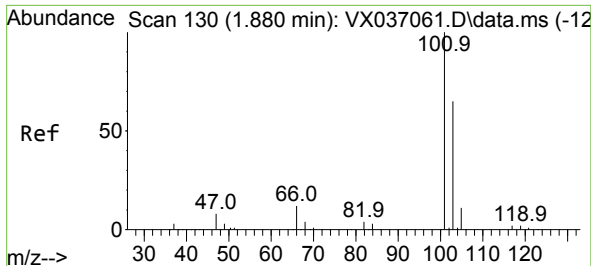
Tgt Ion:168 Resp: 144958
Ion Ratio Lower Upper
168 100
99 64.9 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 6.302 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

Tgt Ion: 85 Resp: 10612
Ion Ratio Lower Upper
85 100
87 32.4 16.7 50.1

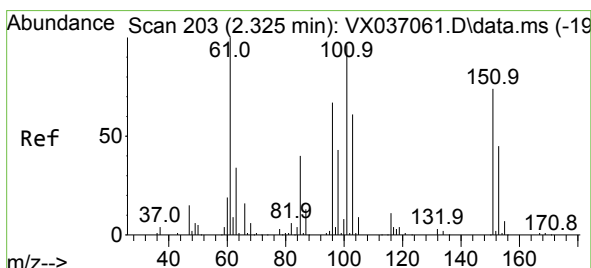
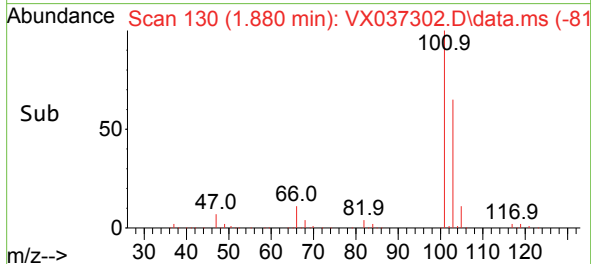
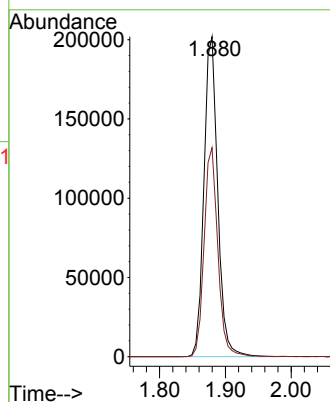
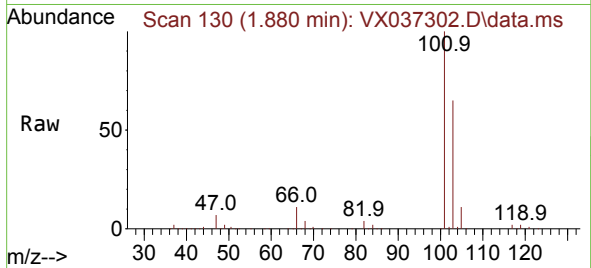




#7
 Trichlorofluoromethane
 Concen: 111.986 ug/l
 RT: 1.880 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX037302.D
 Acq: 28 Aug 2023 18:13

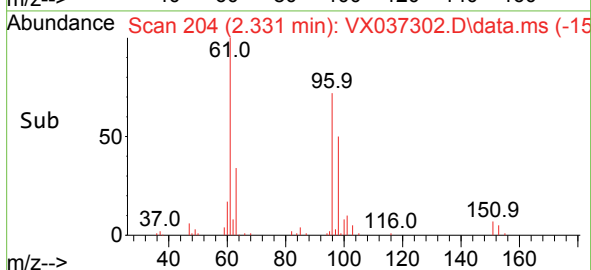
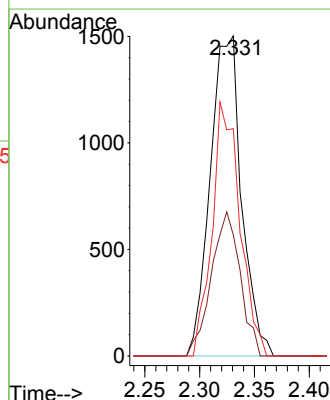
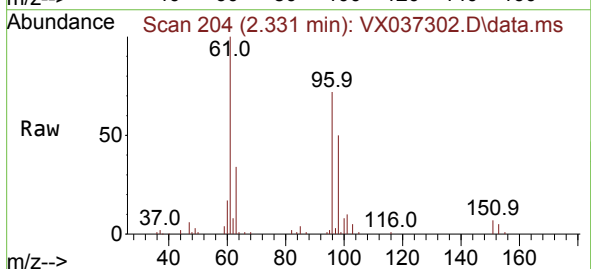
Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D-20230819

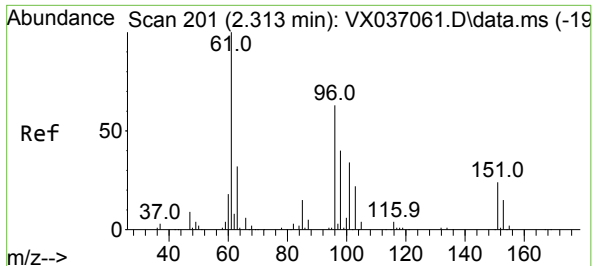
Tgt Ion:101 Resp: 294150
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.4 77.2



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.952 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: VX037302.D
 Acq: 28 Aug 2023 18:13

Tgt Ion:101 Resp: 2991
 Ion Ratio Lower Upper
 101 100
 85 41.4 37.0 55.6
 151 70.2 58.6 87.8





#12

1,1-Dichloroethene

Concen: 42.177 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX037302.D

Acq: 28 Aug 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20230819

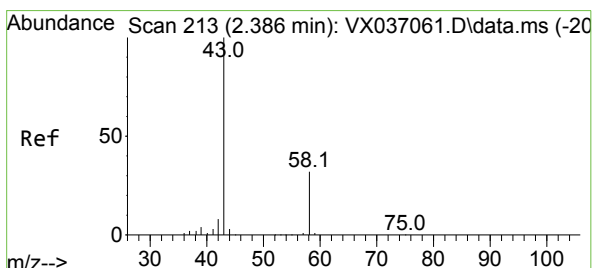
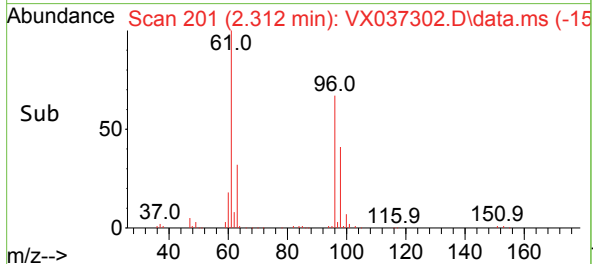
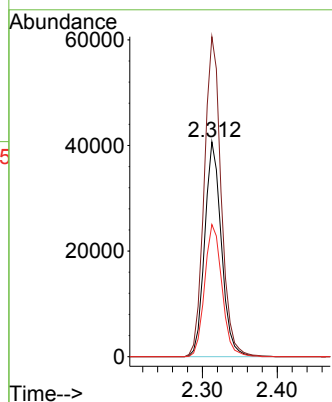
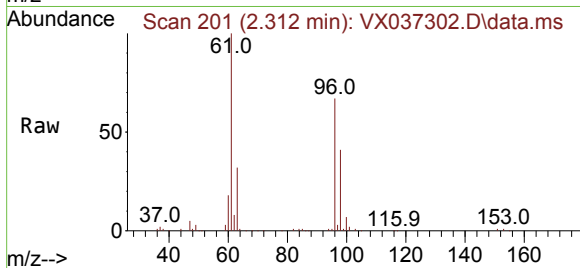
Tgt Ion: 96 Resp: 62936

Ion Ratio Lower Upper

96 100

61 148.9 144.6 216.8

98 61.5 50.4 75.6



#16

Acetone

Concen: 1.096 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX037302.D

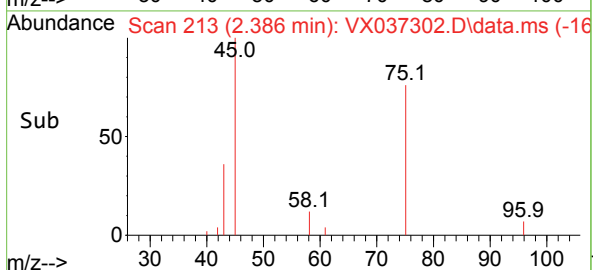
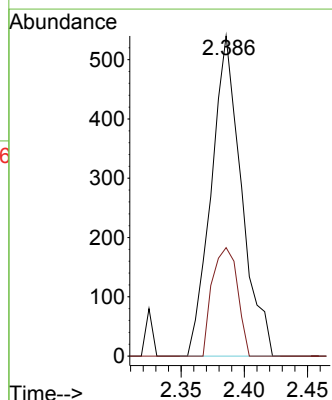
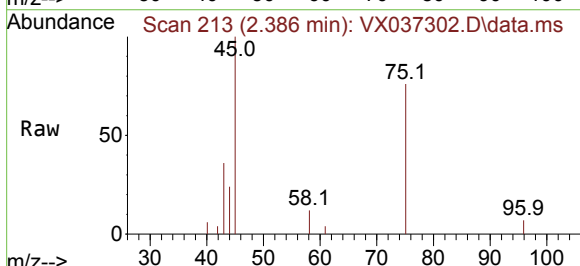
Acq: 28 Aug 2023 18:13

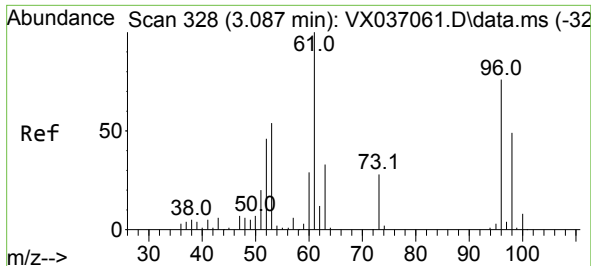
Tgt Ion: 43 Resp: 896

Ion Ratio Lower Upper

43 100

58 33.9 21.9 32.9#

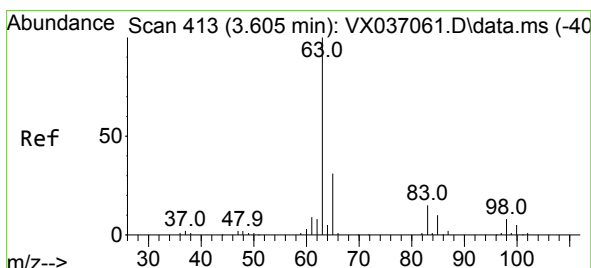
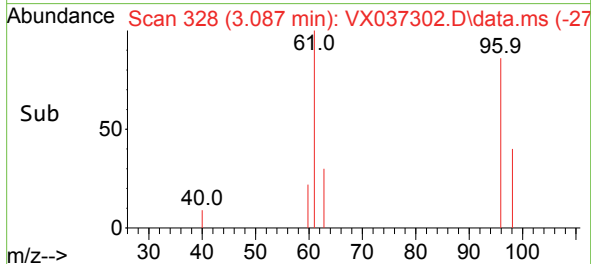
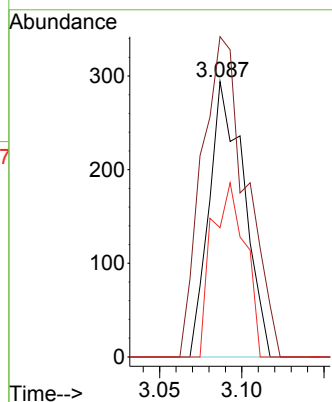
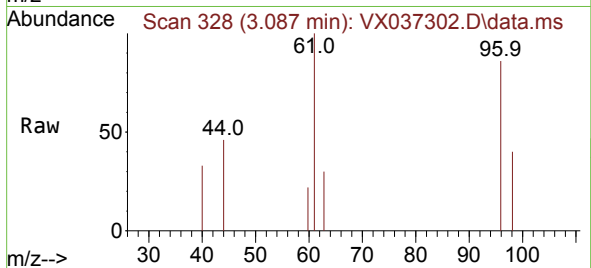




#21
trans-1,2-Dichloroethene
Concen: 0.255 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

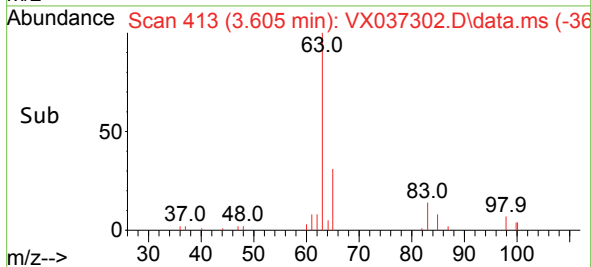
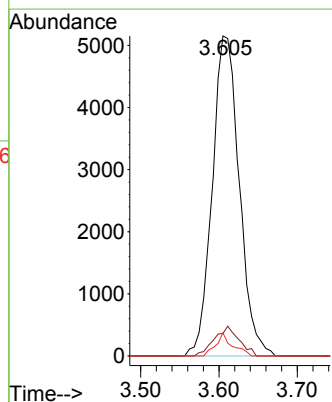
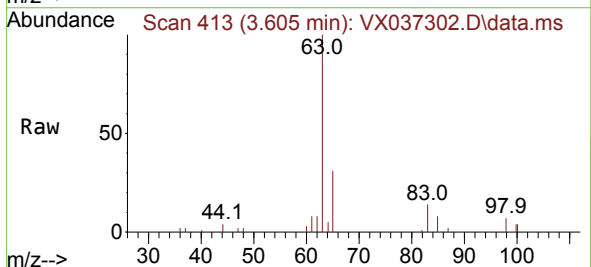
Instrument :
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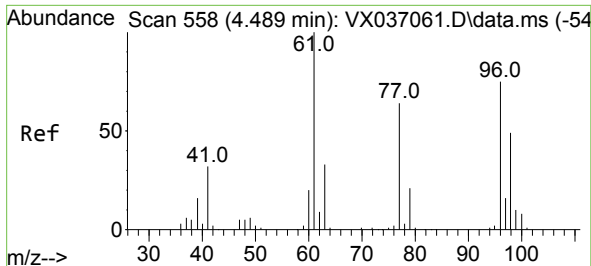
Tgt Ion: 96 Resp: 433
Ion Ratio Lower Upper
96 100
61 116.3 119.2 178.8#
98 46.9 48.7 73.1#



#24
1,1-Dichloroethane
Concen: 4.150 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

Tgt Ion: 63 Resp: 12333
Ion Ratio Lower Upper
63 100
98 7.0 3.3 9.8
100 7.2 2.1 6.5#

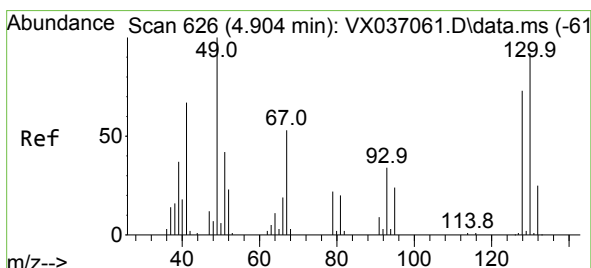
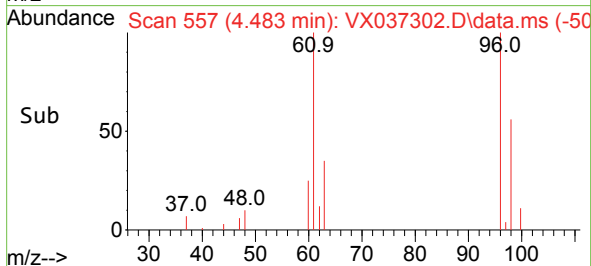
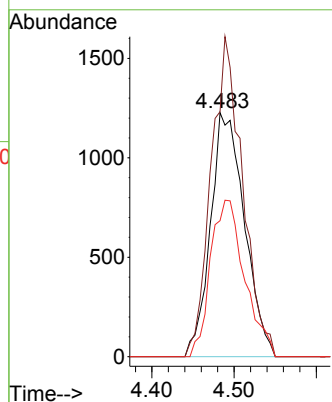
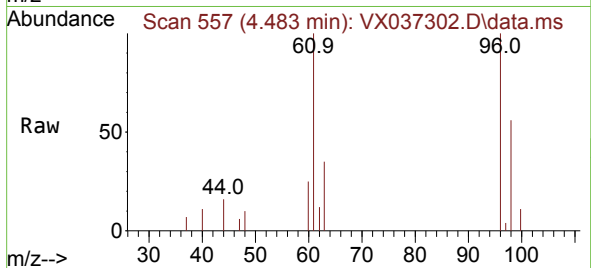




#27
cis-1,2-Dichloroethene
Concen: 1.761 ug/l
RT: 4.483 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

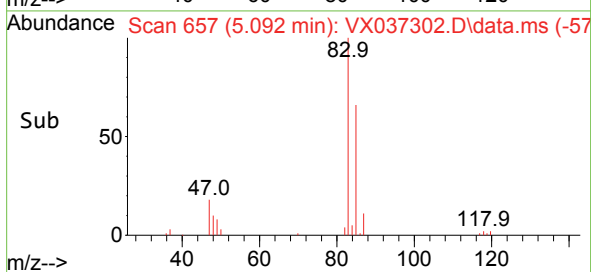
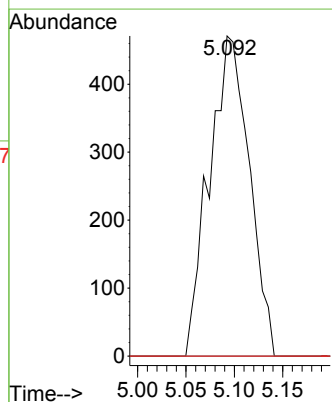
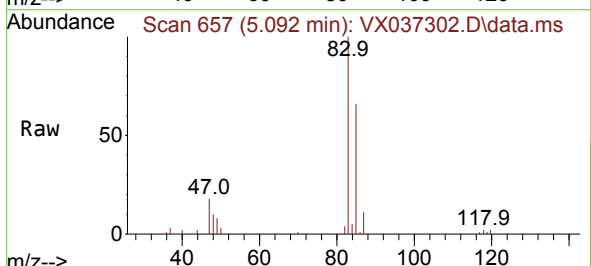
Instrument :
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ClientSampleId :
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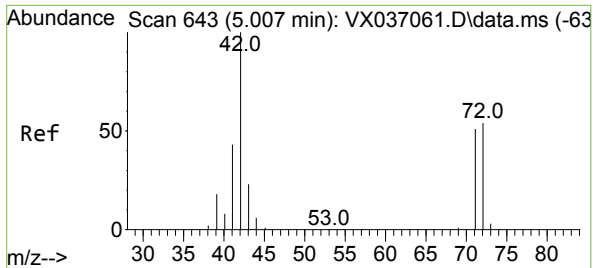
Tgt Ion: 96	Resp:	3522
Ion	Ratio	Lower Upper
96	100	
61	121.3	0.0 312.2
98	64.5	0.0 129.0



#28
Bromochloromethane
Concen: 1.018 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.189 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

Tgt Ion: 49	Resp:	1352
Ion	Ratio	Lower Upper
49	100	
129	0.0	0.0 3.8
130	0.0	57.5 86.3





#29

Tetrahydrofuran

Concen: 0.559 ug/l

RT: 5.019 min Scan# 643

Delta R.T. 0.012 min

Lab File: VX037302.D

Acq: 28 Aug 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20230819

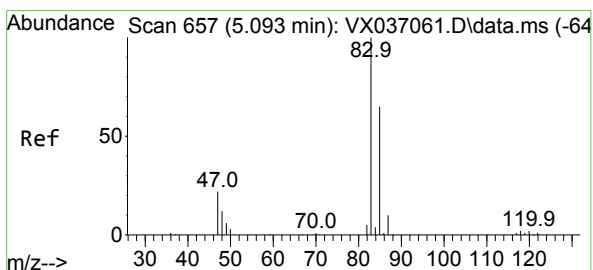
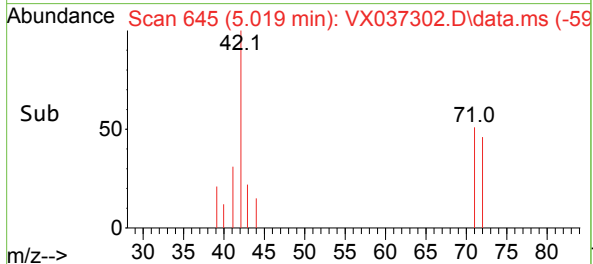
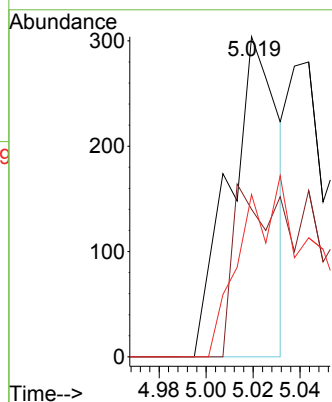
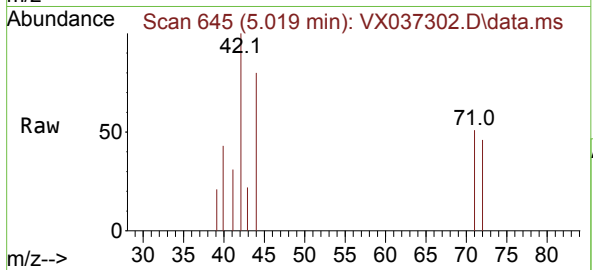
Tgt Ion: 42 Resp: 439

Ion Ratio Lower Upper

42 100

72 35.3 34.2 51.4

71 84.5 32.2 48.2#



#30

Chloroform

Concen: 5.757 ug/l

RT: 5.092 min Scan# 657

Delta R.T. -0.000 min

Lab File: VX037302.D

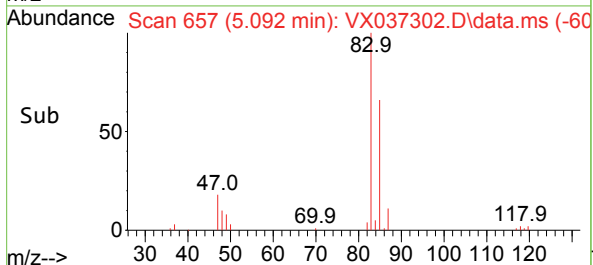
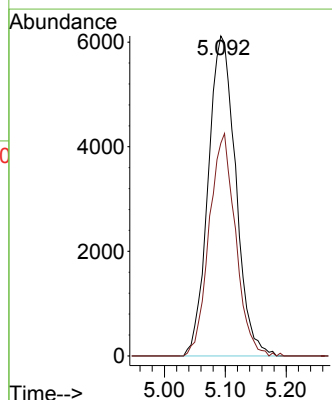
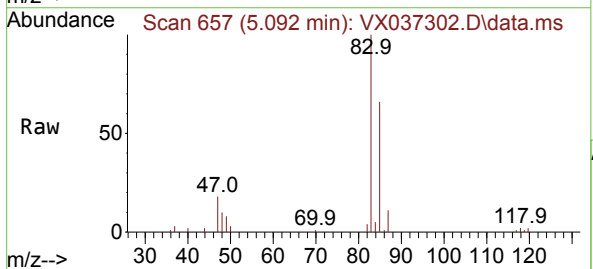
Acq: 28 Aug 2023 18:13

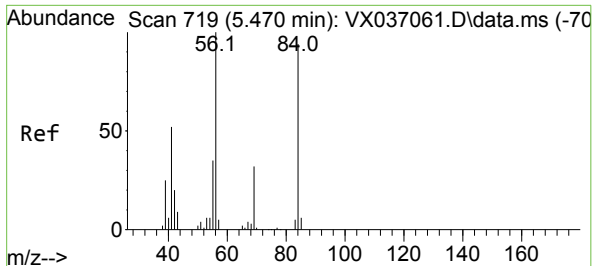
Tgt Ion: 83 Resp: 19209

Ion Ratio Lower Upper

83 100

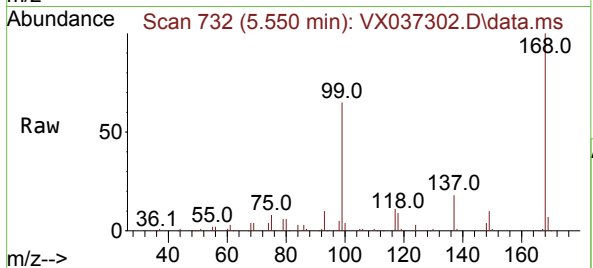
85 66.5 50.3 75.5



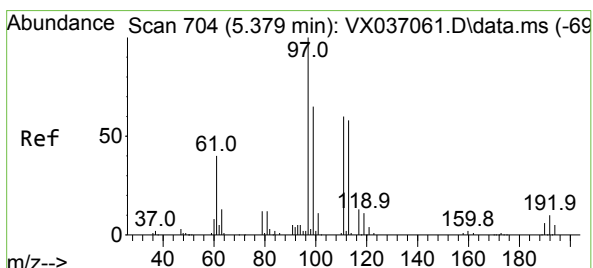
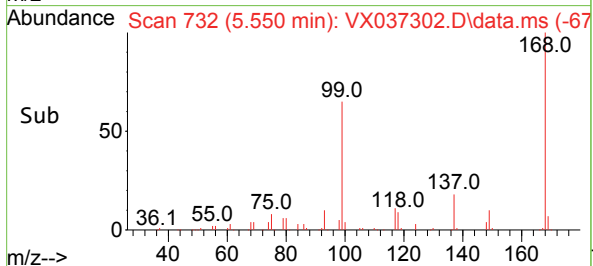
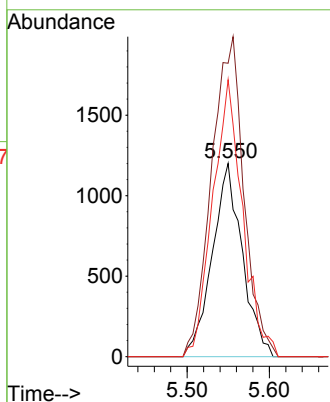


#31
Cyclohexane
Concen: 1.292 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

Instrument :
MSVOA_X
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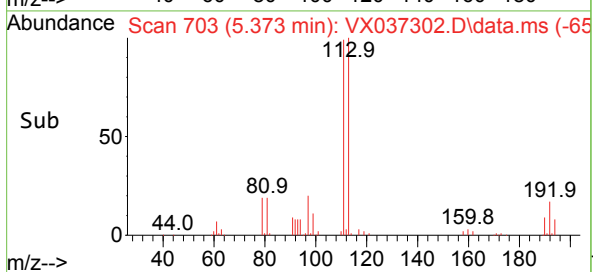
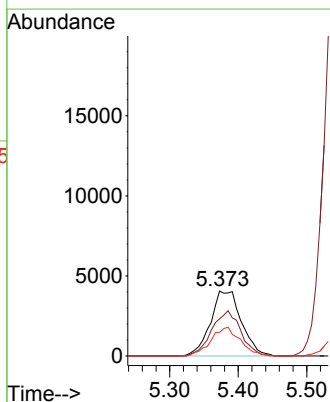
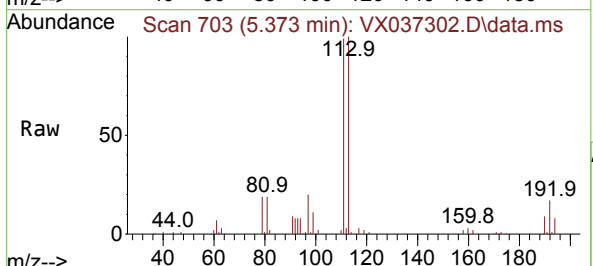


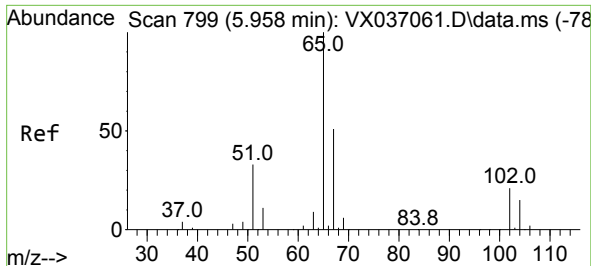
Tgt Ion: 56 Resp: 3035
Ion Ratio Lower Upper
56 100
69 151.8 23.4 35.2#
84 143.3 65.9 98.9#



#32
1,1,1-Trichloroethane
Concen: 4.257 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

Tgt Ion: 97 Resp: 12729
Ion Ratio Lower Upper
97 100
99 65.1 51.1 76.7
61 41.6 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 42.186 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037302.D

Acq: 28 Aug 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

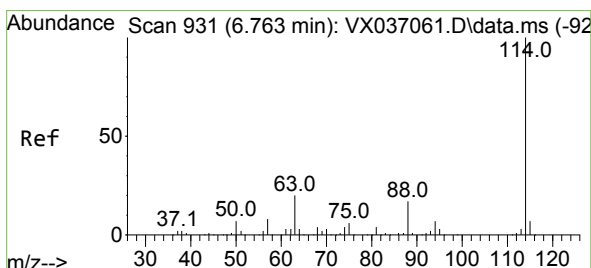
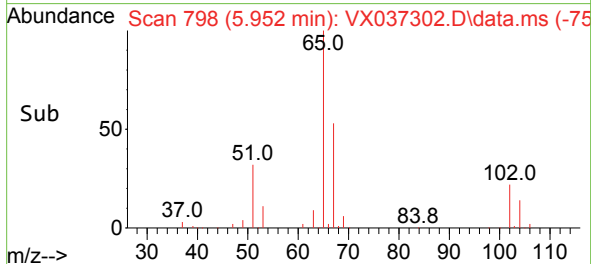
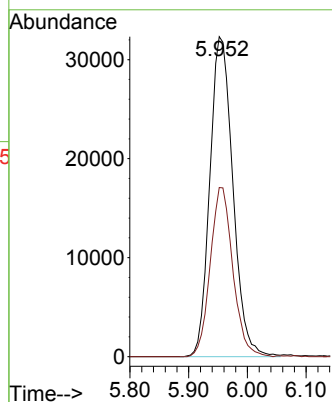
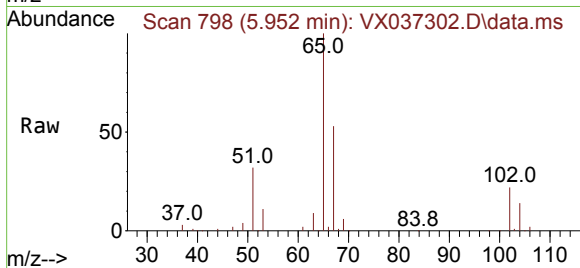
MW201D-20230819

Tgt Ion: 65 Resp: 88161

Ion Ratio Lower Upper

65 100

67 51.8 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: VX037302.D

Acq: 28 Aug 2023 18:13

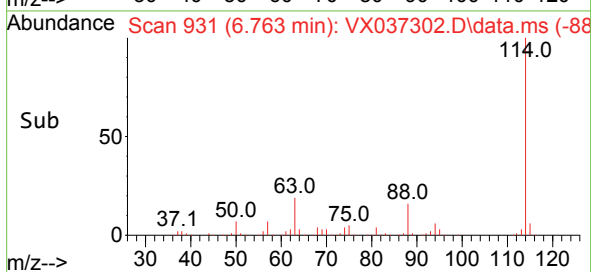
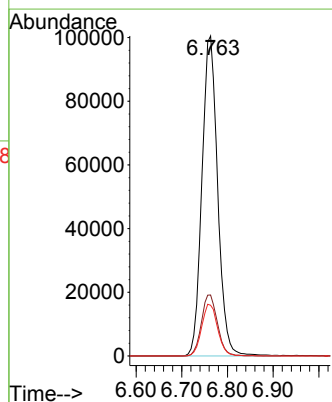
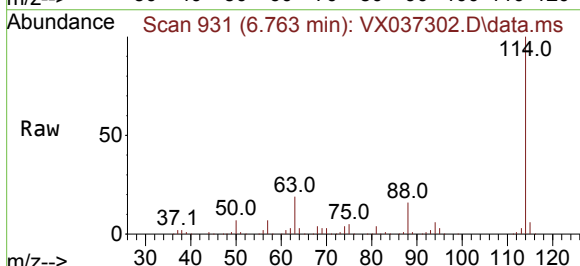
Tgt Ion: 114 Resp: 239604

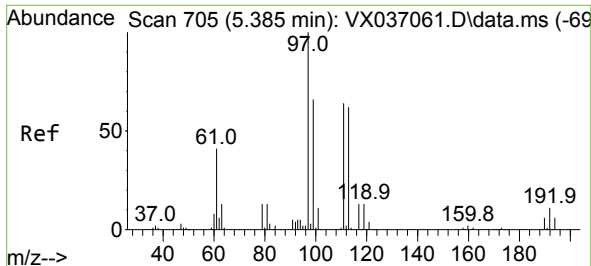
Ion Ratio Lower Upper

114 100

63 19.1 0.0 45.0

88 15.8 0.0 36.6

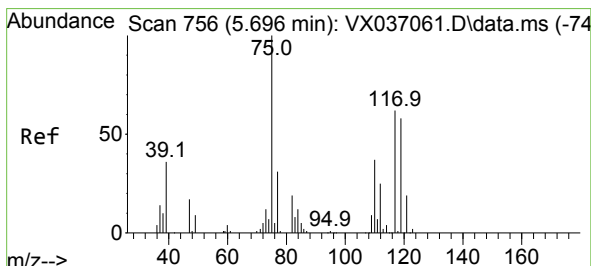
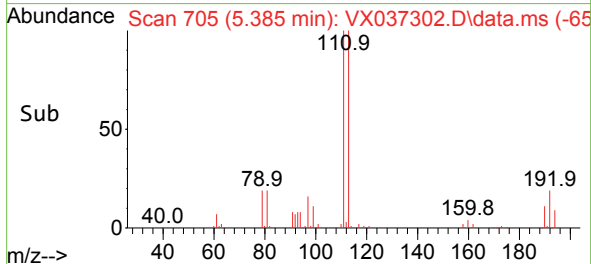
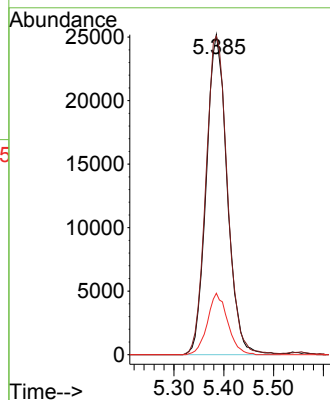
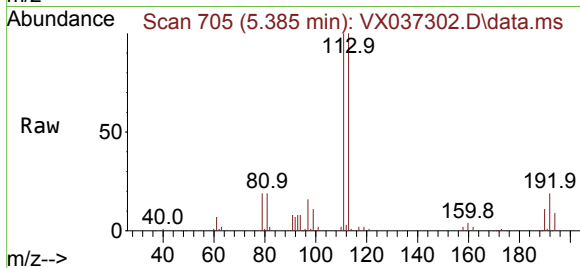




#35
 Dibromofluoromethane
 Concen: 46.230 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. -0.000 min
 Lab File: VX037302.D
 Acq: 28 Aug 2023 18:13

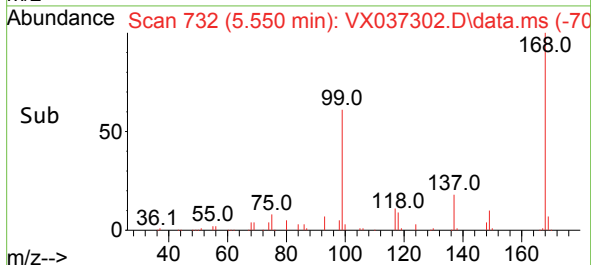
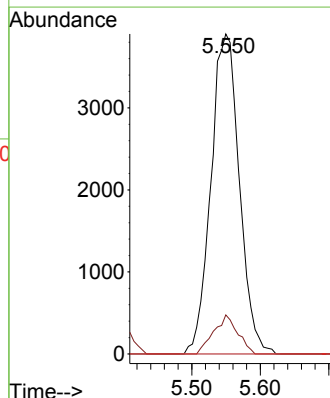
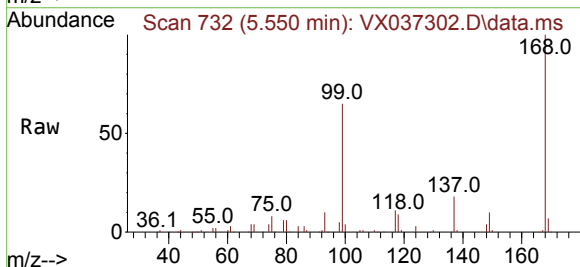
Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D-20230819

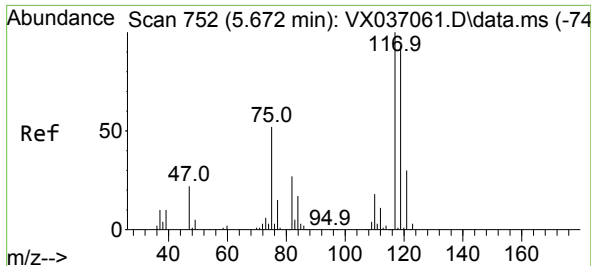
Tgt Ion:	113	Resp:	73360
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.9	124.3
192	18.6	13.3	19.9



#36
 1,1-Dichloropropene
 Concen: 4.981 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.146 min
 Lab File: VX037302.D
 Acq: 28 Aug 2023 18:13

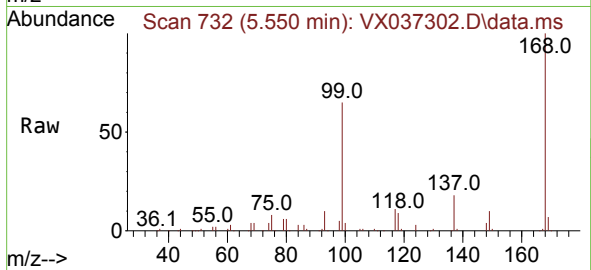
Tgt Ion:	75	Resp:	11229
Ion	Ratio	Lower	Upper
75	100		
110	10.3	17.0	50.9#
77	0.0	24.7	37.1#



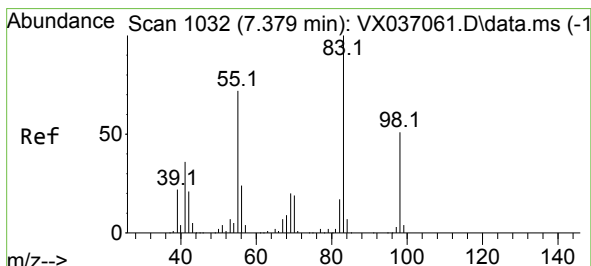
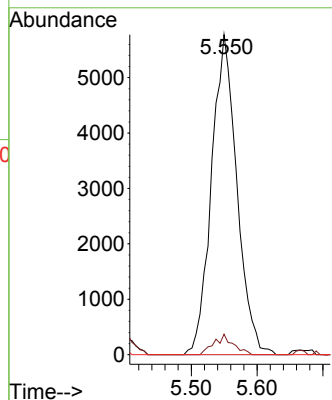
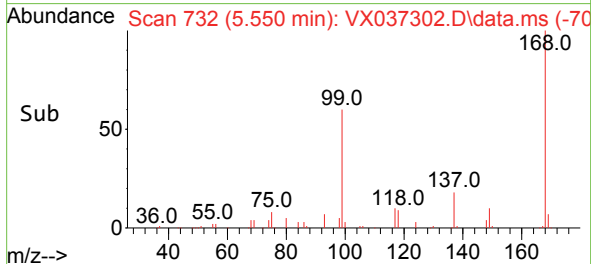


#38
Carbon Tetrachloride
Concen: 6.351 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20230819

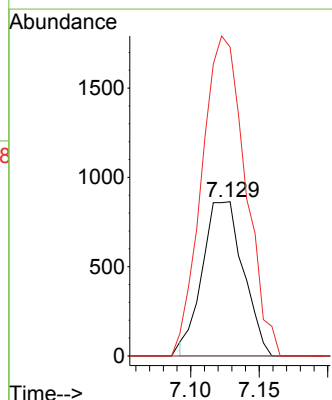
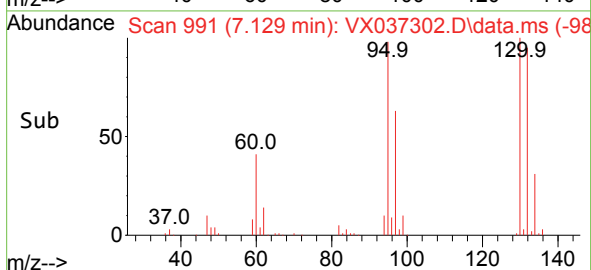
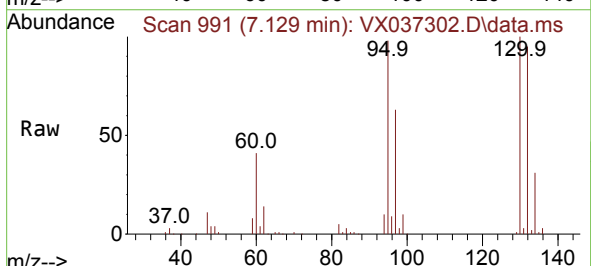


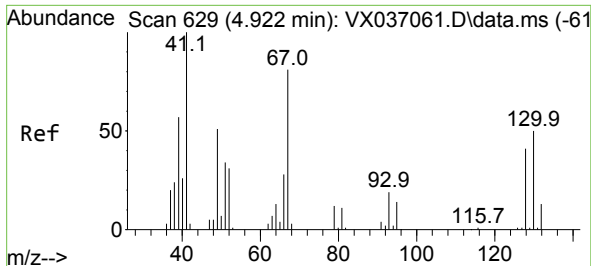
Tgt Ion:117 Resp: 15554
Ion Ratio Lower Upper
117 100
119 6.4 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.756 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

Tgt Ion: 83 Resp: 1790
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 200.1 36.7 55.1#

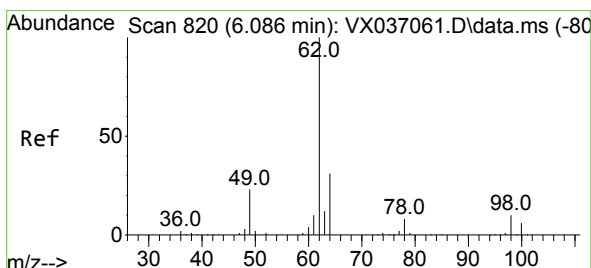
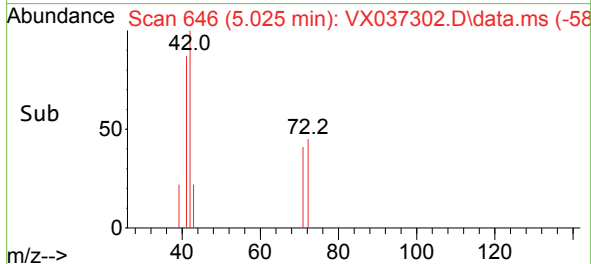
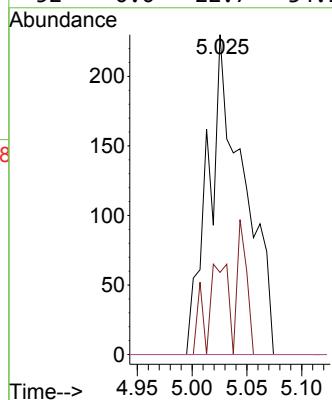
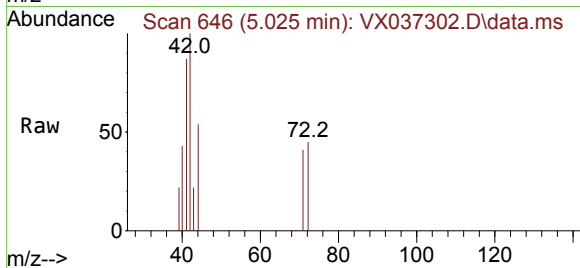




#41
Methacrylonitrile
Concen: 0.434 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.104 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

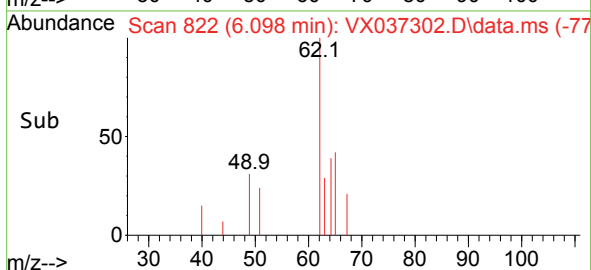
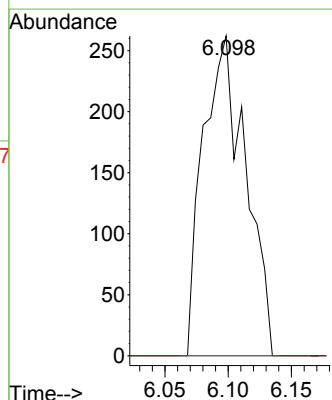
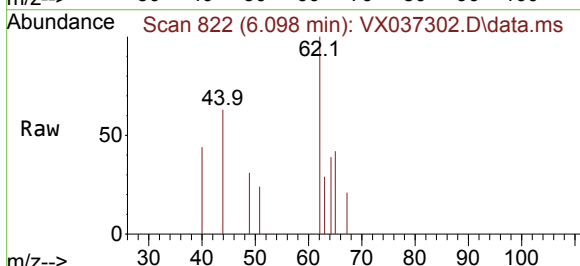
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20230819

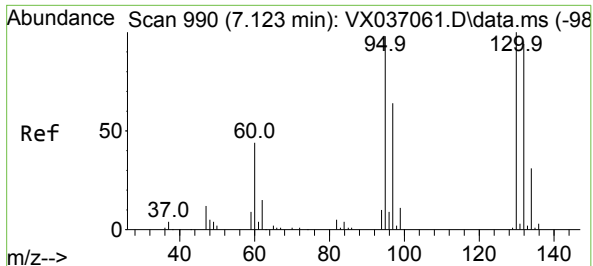
Tgt Ion:	41	Resp:	519
Ion	Ratio	Lower	Upper
41	100		
39	17.0	45.2	67.8#
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#42
1,2-Dichloroethane
Concen: 0.241 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.012 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

Tgt Ion:	62	Resp:	612
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	16.0

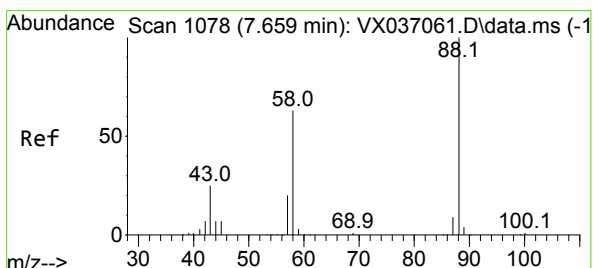
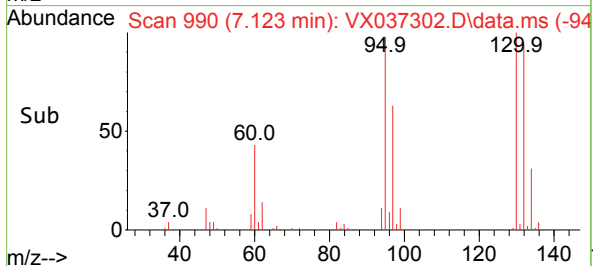
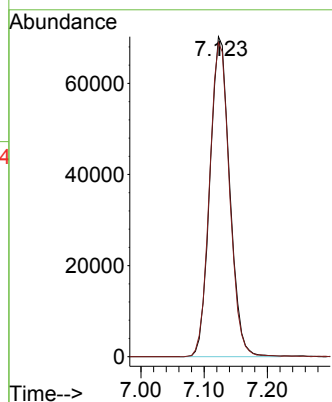
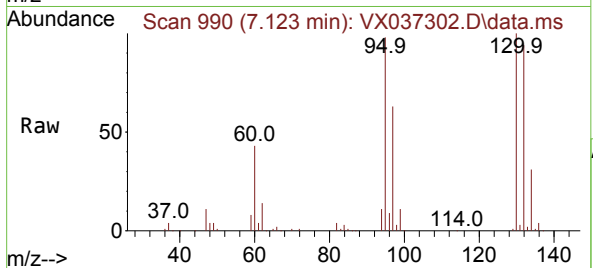




#44
Trichloroethene
Concen: 83.416 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

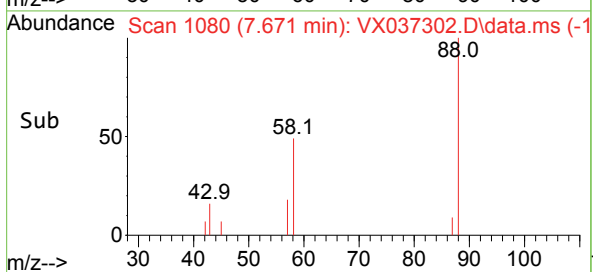
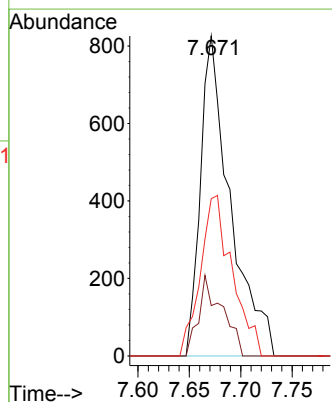
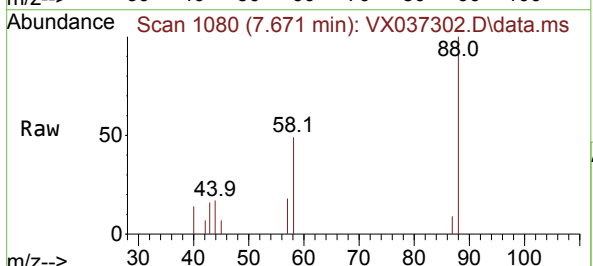
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20230819

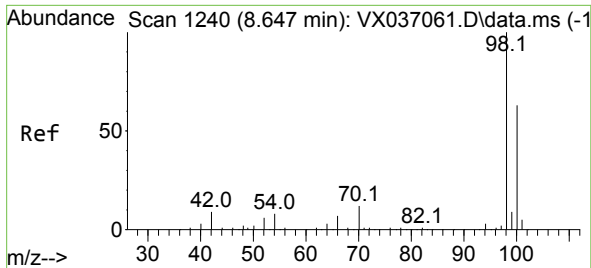
Tgt Ion:130 Resp: 152936
Ion Ratio Lower Upper
130 100
95 98.1 0.0 204.4



#49
1,4-Dioxane
Concen: 34.693 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

Tgt Ion: 88 Resp: 1666
Ion Ratio Lower Upper
88 100
43 19.9 0.0 0.0#
58 53.5 60.1 90.1#

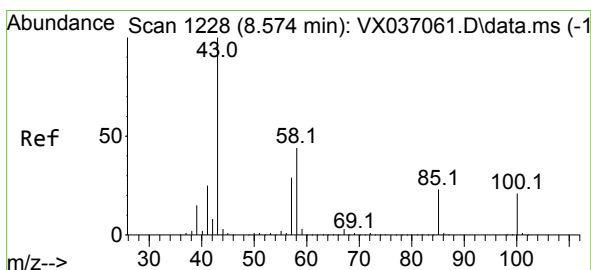
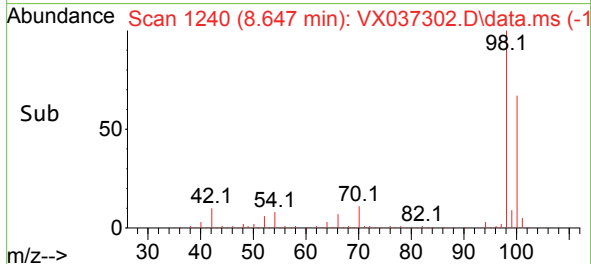
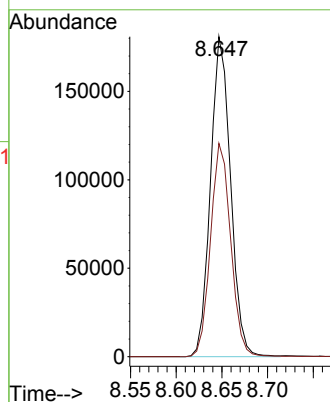
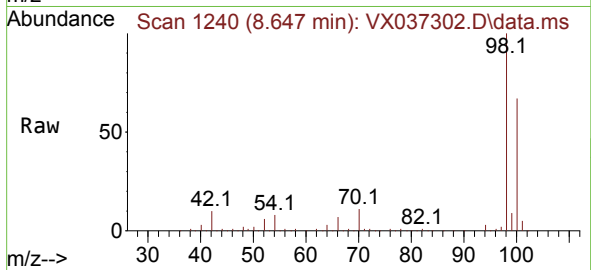




#50
Toluene-d8
Concen: 47.905 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

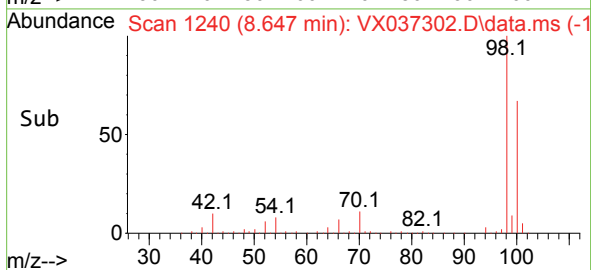
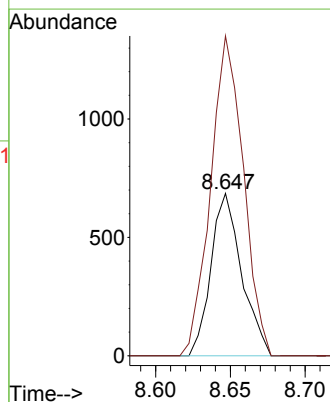
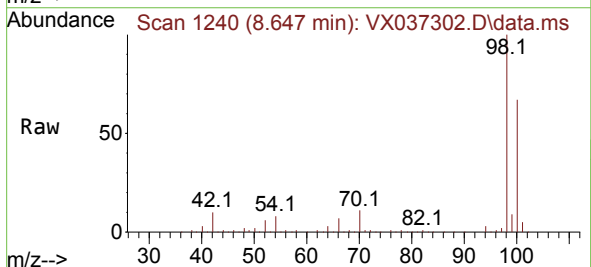
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20230819

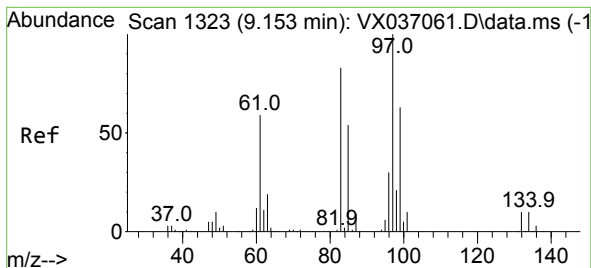
Tgt Ion: 98 Resp: 275746
Ion Ratio Lower Upper
98 100
100 67.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.441 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

Tgt Ion: 43 Resp: 979
Ion Ratio Lower Upper
43 100
58 210.6 30.4 45.6#





#55

1,1,2-Trichloroethane

Concen: 0.490 ug/l

RT: 9.153 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037302.D

Acq: 28 Aug 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20230819

Tgt Ion: 97 Resp: 853

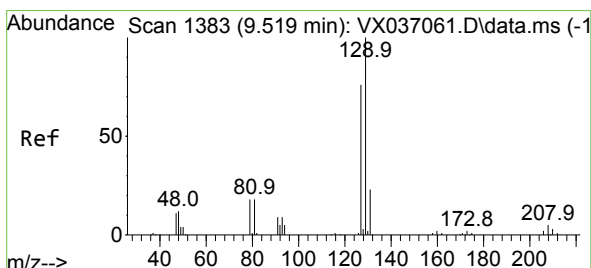
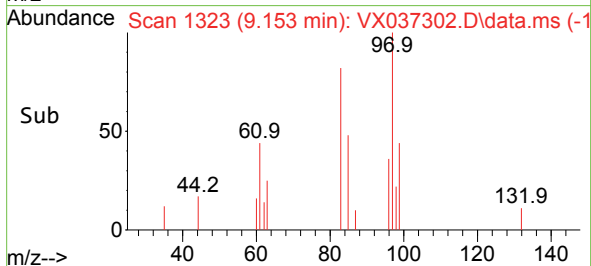
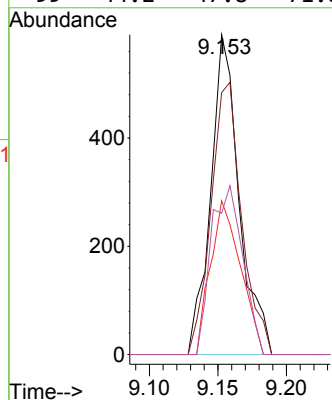
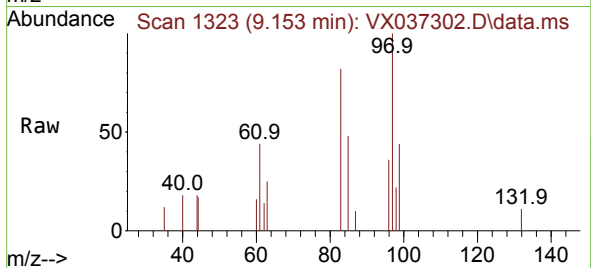
Ion Ratio Lower Upper

97 100

83 81.9 65.8 98.8

85 48.1 41.6 62.4

99 44.2 47.8 71.8#



#60

Dibromochloromethane

Concen: 63.170 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.244 min

Lab File: VX037302.D

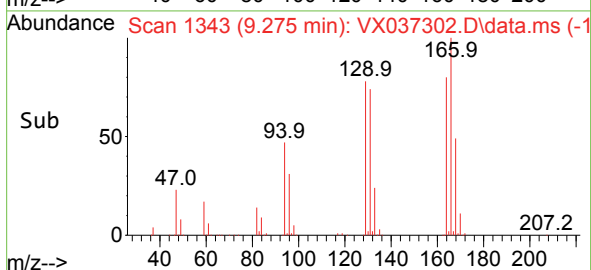
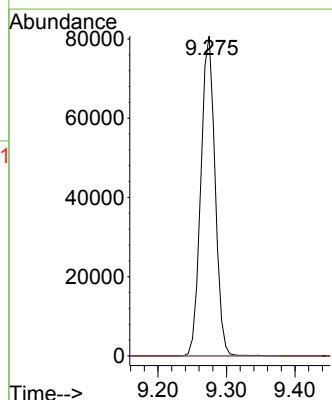
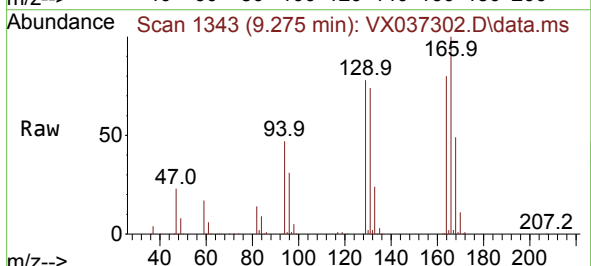
Acq: 28 Aug 2023 18:13

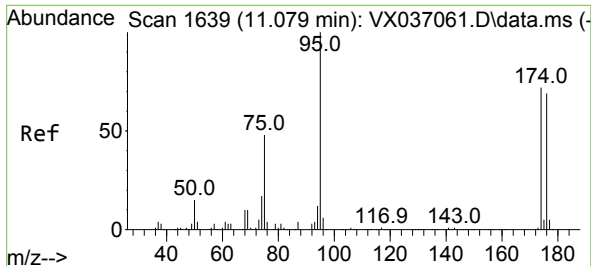
Tgt Ion: 129 Resp: 116998

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#

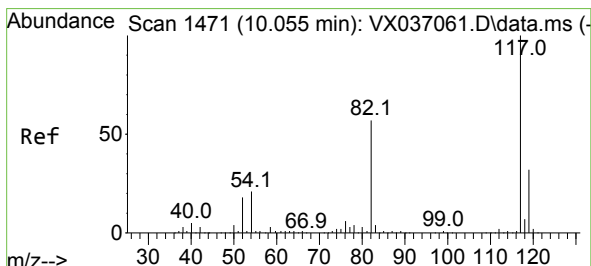
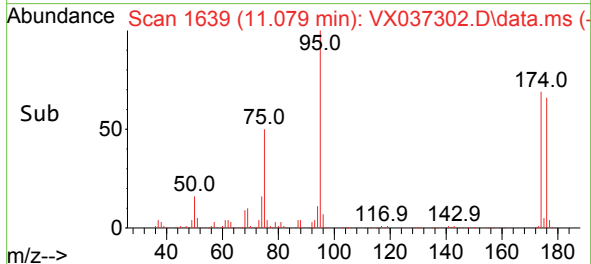
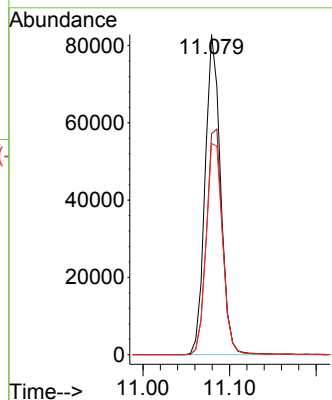
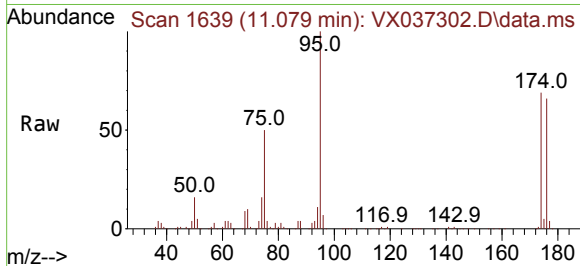




#62
4-Bromofluorobenzene
Concen: 45.402 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

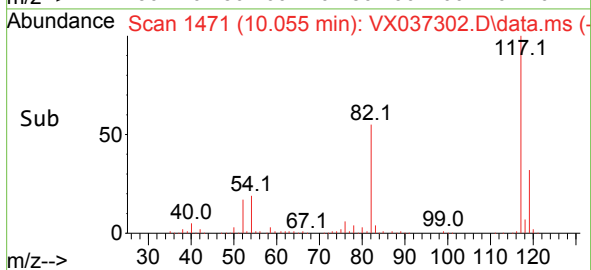
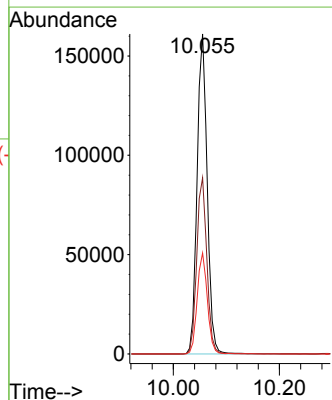
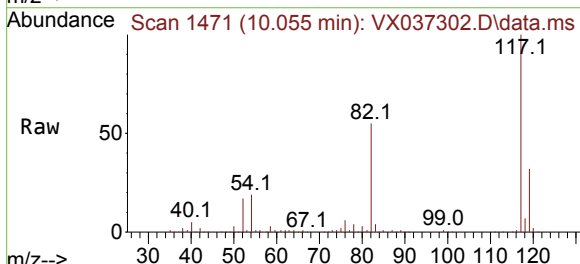
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20230819

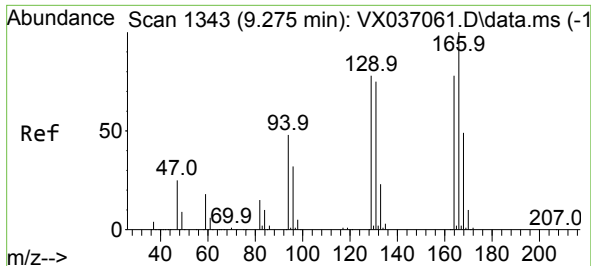
Tgt Ion: 95 Resp: 102701
Ion Ratio Lower Upper
95 100
174 73.4 0.0 135.6
176 70.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

Tgt Ion: 117 Resp: 211804
Ion Ratio Lower Upper
117 100
82 55.0 46.2 69.4
119 31.6 25.5 38.3

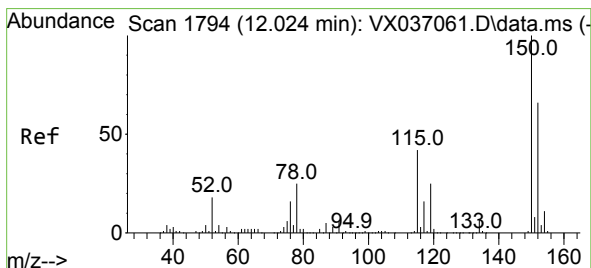
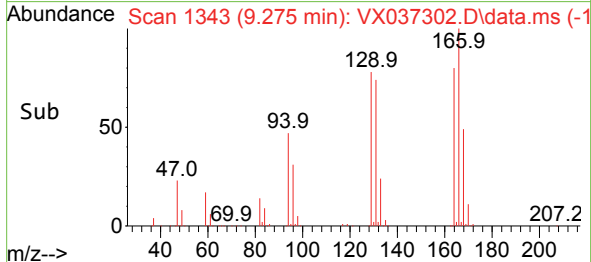
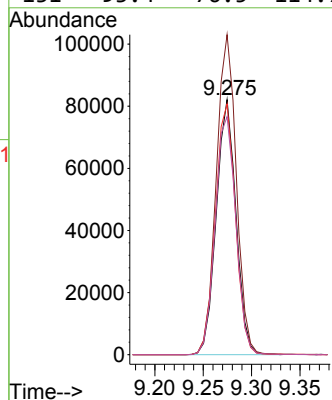
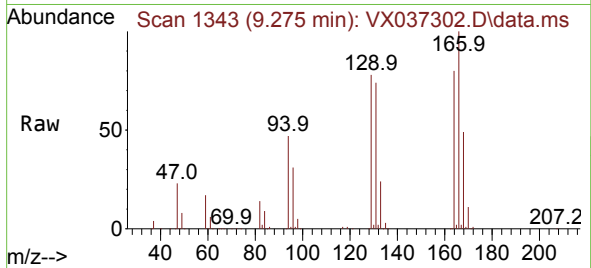




#64
Tetrachloroethene
Concen: 75.155 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

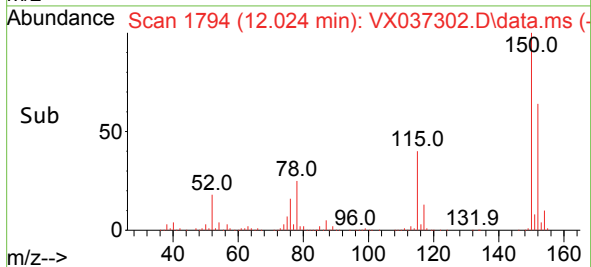
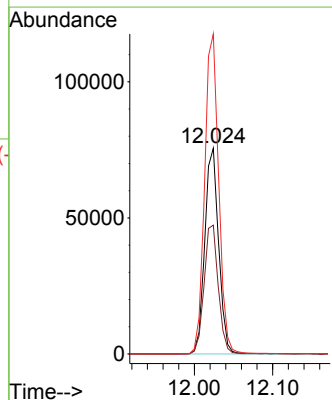
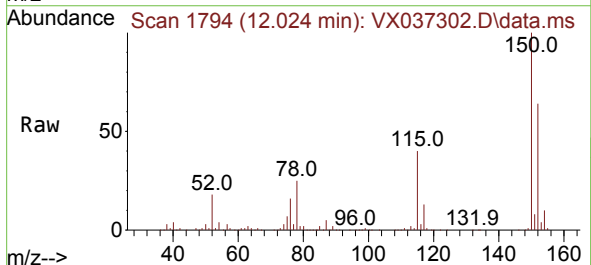
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20230819

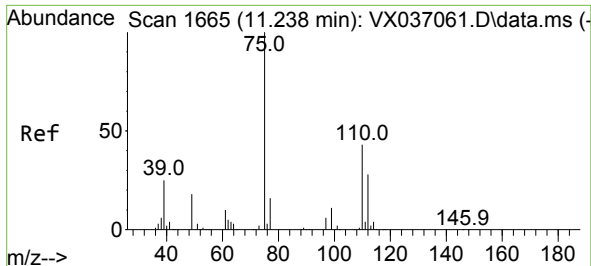
Tgt Ion:164 Resp: 116124
Ion Ratio Lower Upper
164 100
166 125.5 102.7 154.1
129 98.3 80.4 120.6
131 93.4 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

Tgt Ion:152 Resp: 92972
Ion Ratio Lower Upper
152 100
115 64.0 43.3 129.9
150 157.6 0.0 345.0

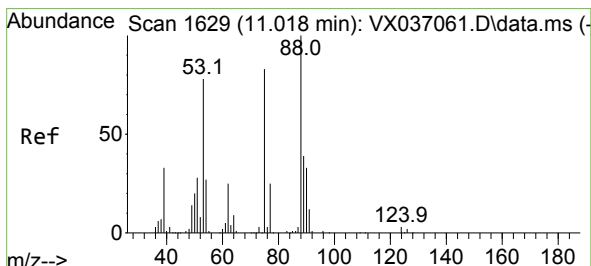
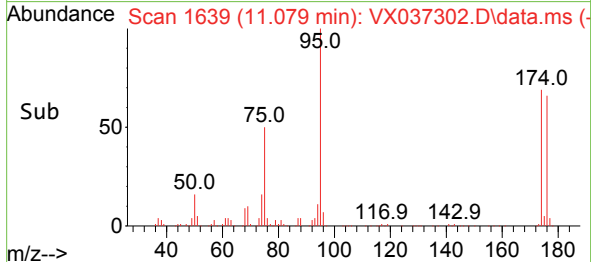
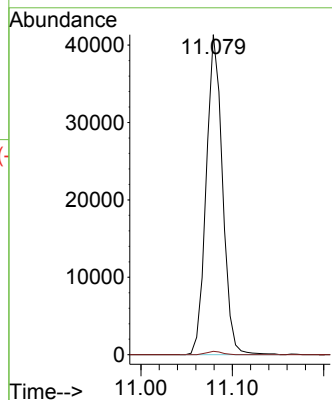
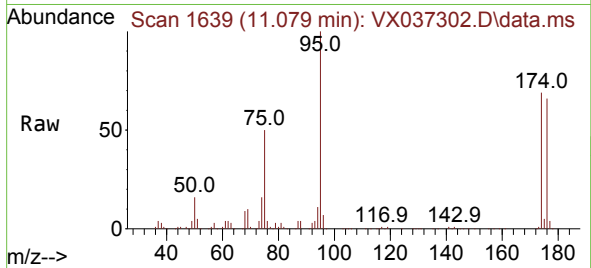




#76
1,2,3-Trichloropropane
Concen: 25.731 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20230819

Tgt Ion: 75 Resp: 50948
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.869 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037302.D
Acq: 28 Aug 2023 18:13

Tgt Ion: 75 Resp: 50948
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

