

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082823\
 Data File : VX037299.D
 Acq On : 28 Aug 2023 17:00
 Operator : JC/MD
 Sample : 04126-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW202D1-20230819

Quant Time: Aug 29 01:00:39 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)

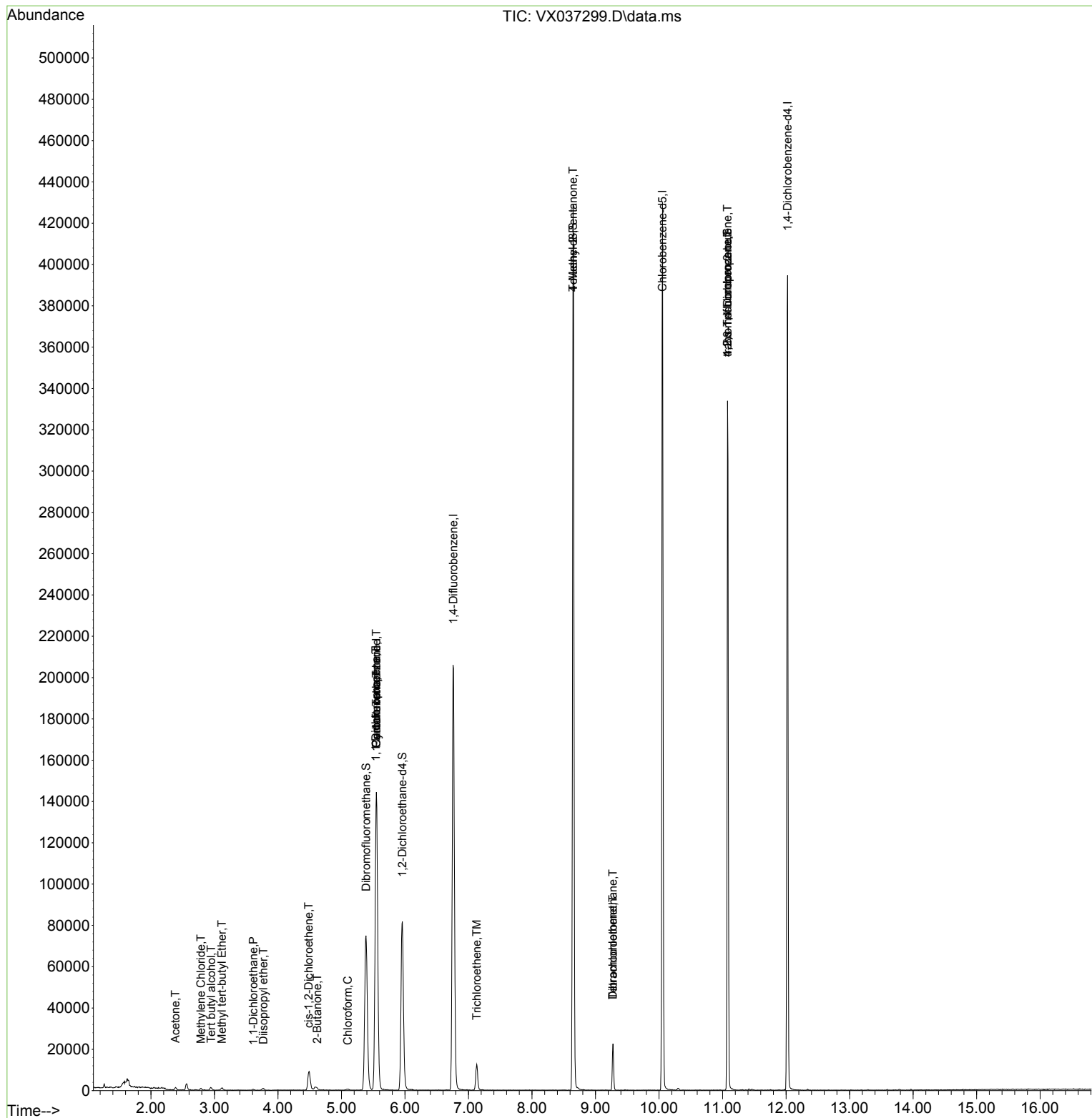
Internal Standards						
1) Pentafluorobenzene	5.550	168	136162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	220867	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83047	42.306	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.620%
35) Dibromofluoromethane	5.385	113	67246	45.972	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.940%
50) Toluene-d8	8.647	98	259729	48.951	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.900%
62) 4-Bromofluorobenzene	11.079	95	93589	44.883	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.760%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	863	1.874	ug/l #	78
16) Acetone	2.386	43	1375	1.790	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	1310	0.246	ug/l	93
20) Methylene Chloride	2.788	84	546	0.318	ug/l #	82
22) Diisopropyl ether	3.769	45	935	0.210	ug/l #	47
24) 1,1-Dichloroethane	3.611	63	695	0.249	ug/l #	83
25) 2-Butanone	4.617	43	293	0.253	ug/l #	51
27) cis-1,2-Dichloroethene	4.483	96	6528	3.475	ug/l	77
30) Chloroform	5.099	83	789	0.252	ug/l	93
31) Cyclohexane	5.550	56	2693	1.220	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10736	5.166	ug/l #	51
38) Carbon Tetrachloride	5.550	117	14573	6.455	ug/l #	14
44) Trichloroethene	7.129	130	5276	3.122	ug/l	94
51) 4-Methyl-2-Pentanone	8.647	43	964	0.471	ug/l #	1
60) Dibromochloromethane	9.275	129	4320	2.530	ug/l #	11
64) Tetrachloroethene	9.275	164	4267	2.998	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	46942	26.013	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	46942	72.657	ug/l #	5

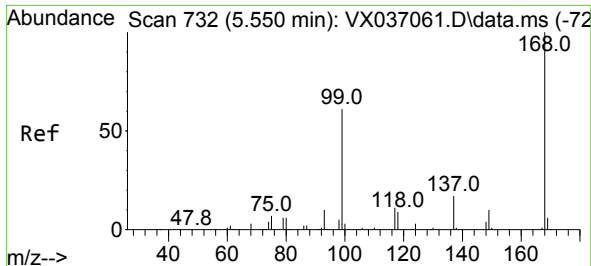
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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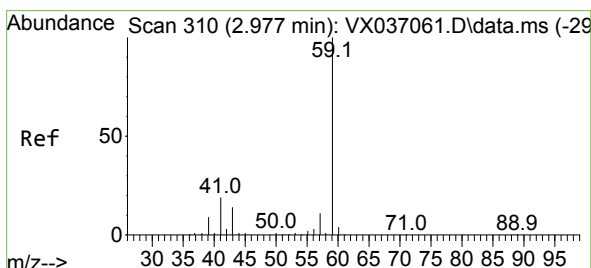
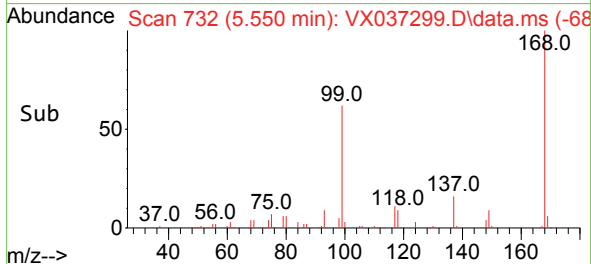
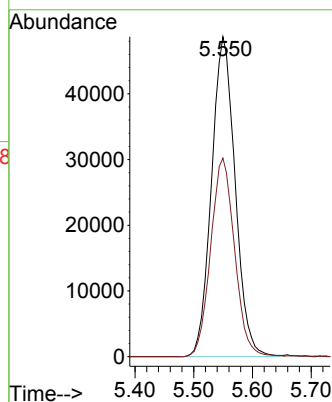
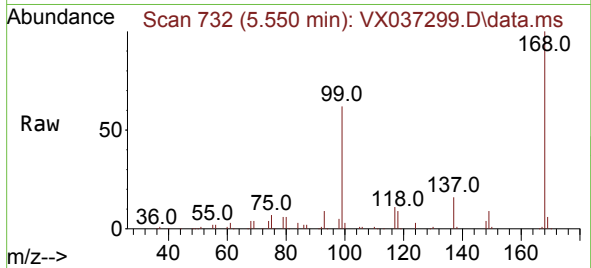




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

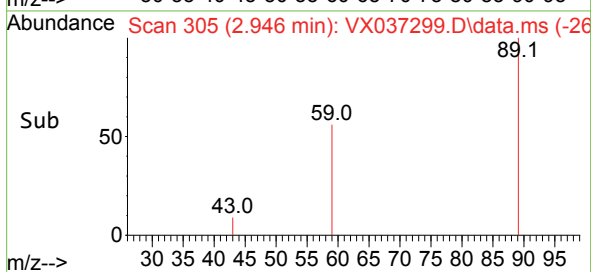
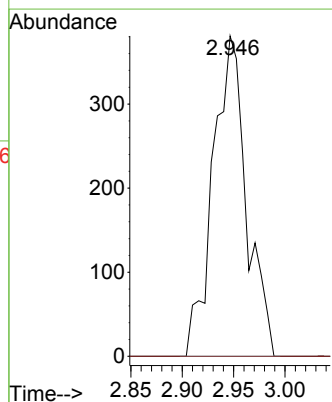
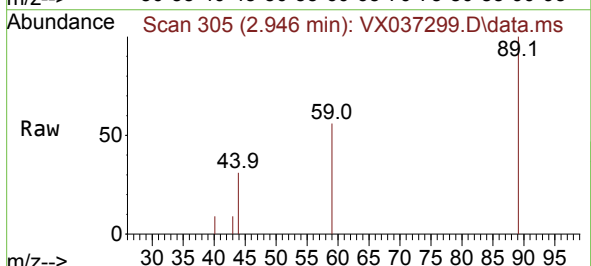
Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20230819

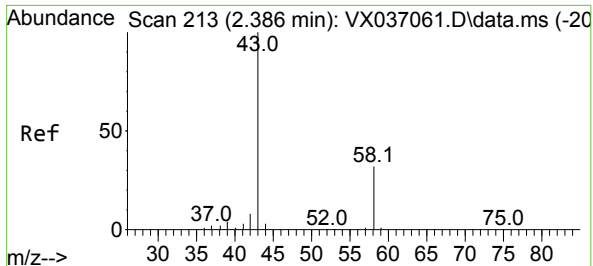
Tgt Ion:168 Resp: 136162
Ion Ratio Lower Upper
168 100
99 62.0 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.874 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

Tgt Ion: 59 Resp: 863
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

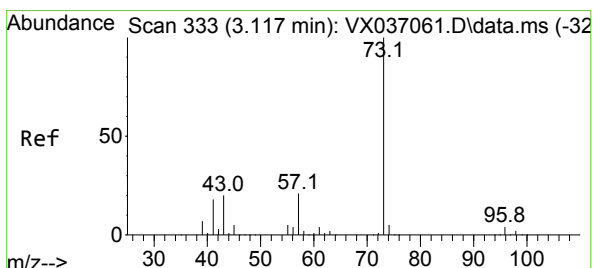
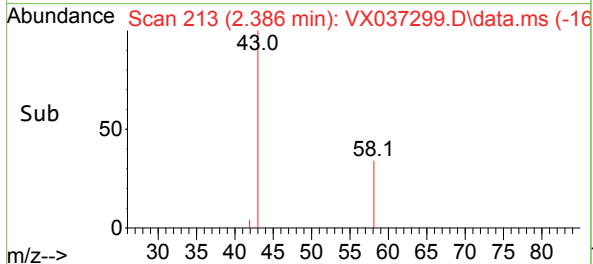
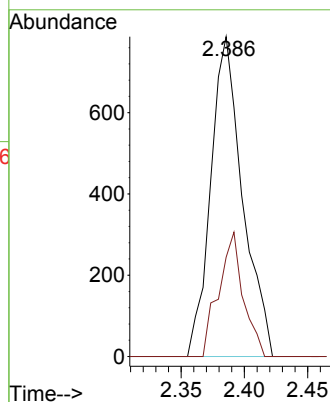
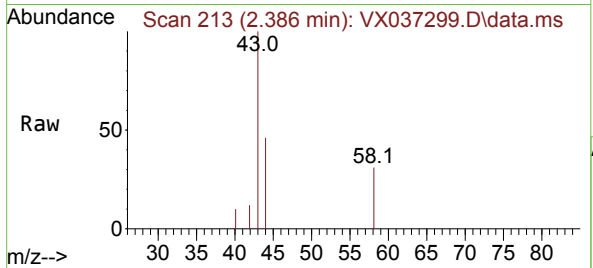




#16
Acetone
Concen: 1.790 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

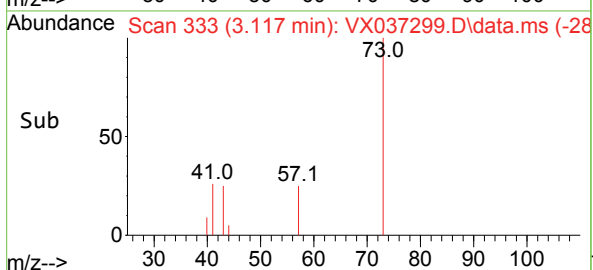
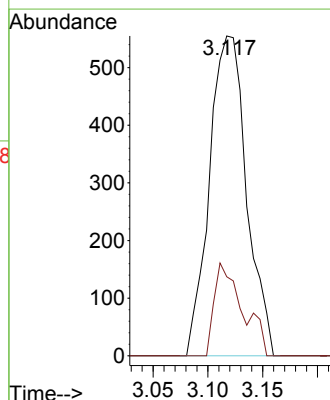
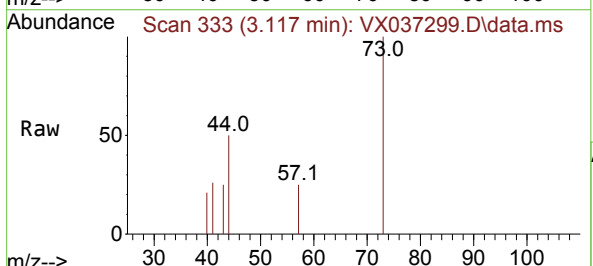
Instrument :
MSVOA_X
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MW202D1-20230819

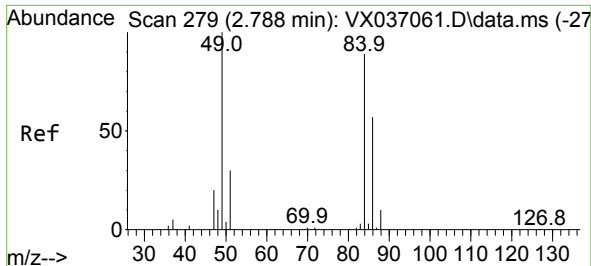
Tgt Ion: 43 Resp: 1375
Ion Ratio Lower Upper
43 100
58 31.0 21.9 32.9



#19
Methyl tert-butyl Ether
Concen: 0.246 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

Tgt Ion: 73 Resp: 1310
Ion Ratio Lower Upper
73 100
57 24.7 17.3 25.9

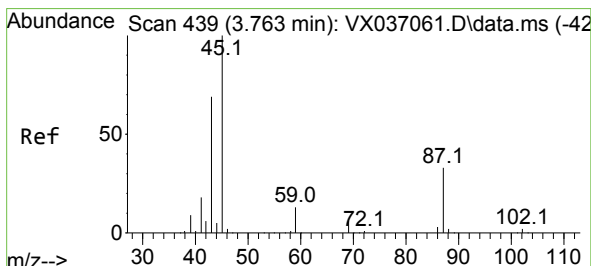
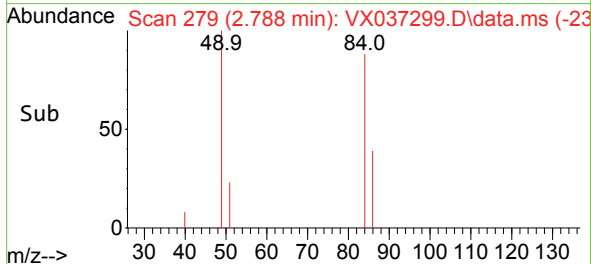
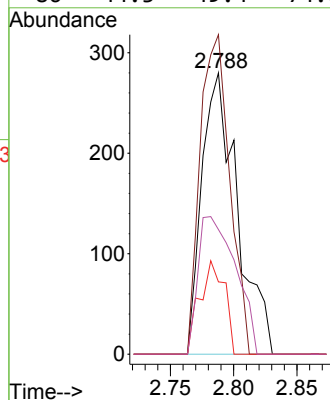
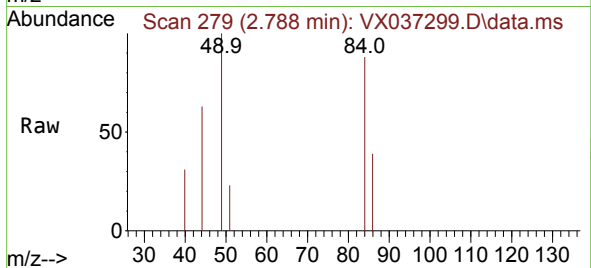




#20
Methylene Chloride
Concen: 0.318 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

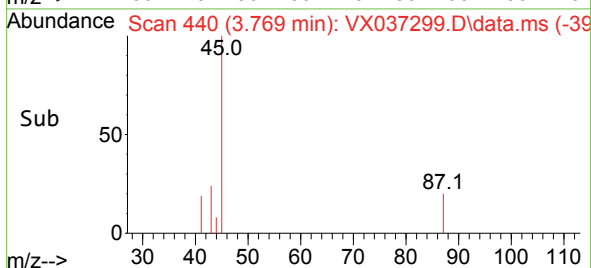
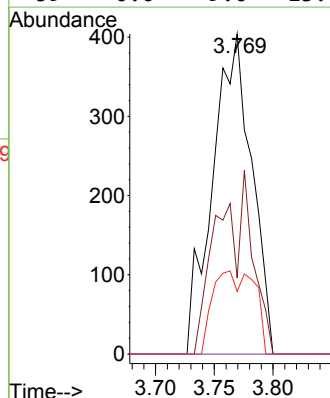
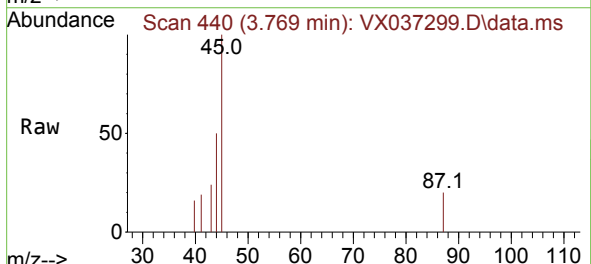
Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20230819

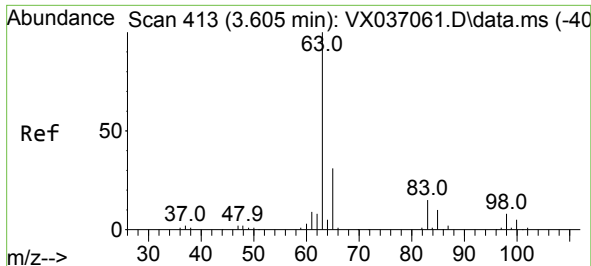
Tgt Ion:	84	Resp:	546
Ion	Ratio	Lower	Upper
84	100		
49	113.6	103.6	155.4
51	25.7	33.8	50.6#
86	44.3	49.4	74.0#



#22
Diisopropyl ether
Concen: 0.210 ug/l
RT: 3.769 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

Tgt Ion:	45	Resp:	935
Ion	Ratio	Lower	Upper
45	100		
43	23.8	69.7	104.5#
87	19.6	20.8	31.2#
59	0.0	9.0	13.4#

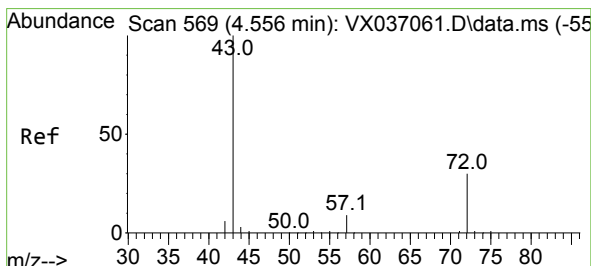
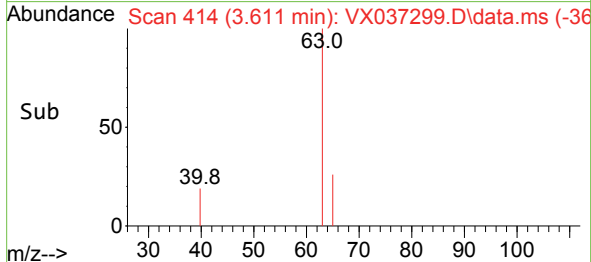
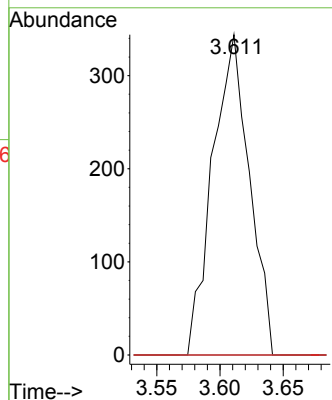
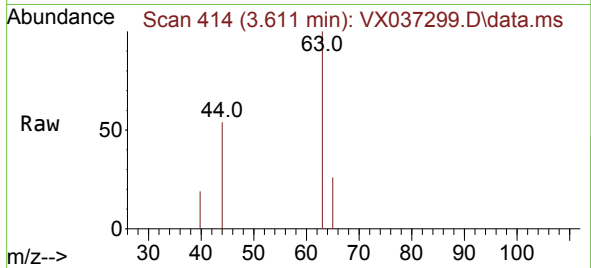




#24
1,1-Dichloroethane
Concen: 0.249 ug/l
RT: 3.611 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

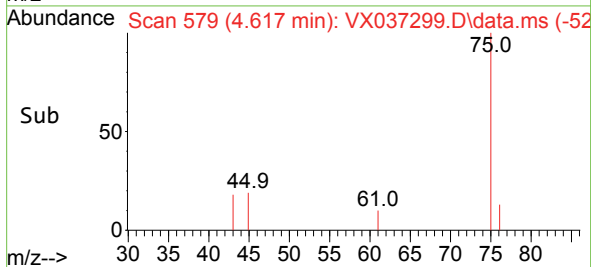
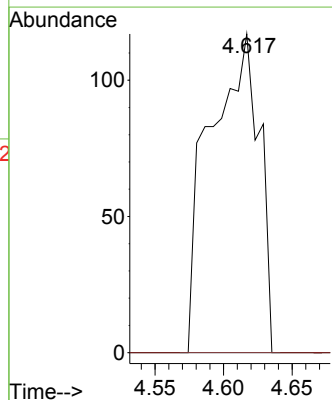
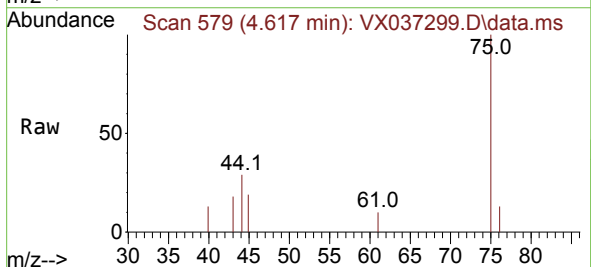
Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20230819

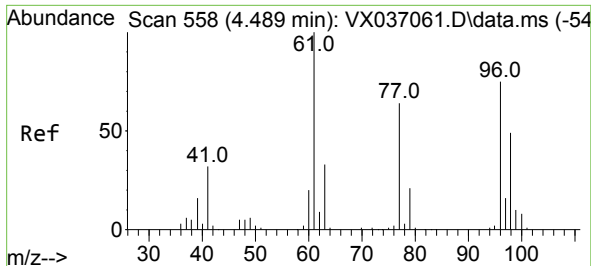
Tgt Ion: 63 Resp: 695
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#



#25
2-Butanone
Concen: 0.253 ug/l
RT: 4.617 min Scan# 579
Delta R.T. 0.061 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

Tgt Ion: 43 Resp: 293
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#





#27

cis-1,2-Dichloroethene

Concen: 3.475 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX037299.D

Acq: 28 Aug 2023 17:00

Instrument :

MSVOA_X

ClientSampleId :

MW202D1-20230819

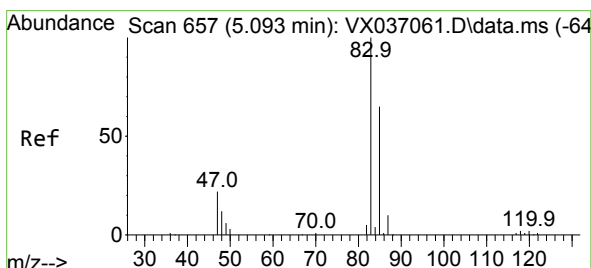
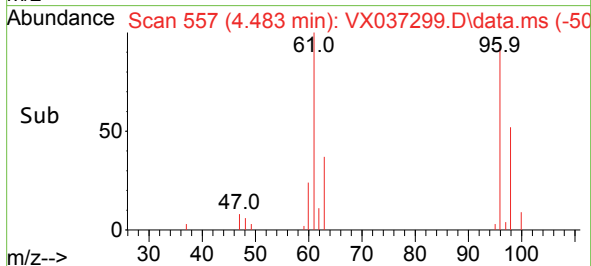
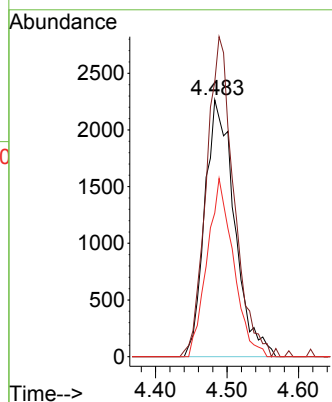
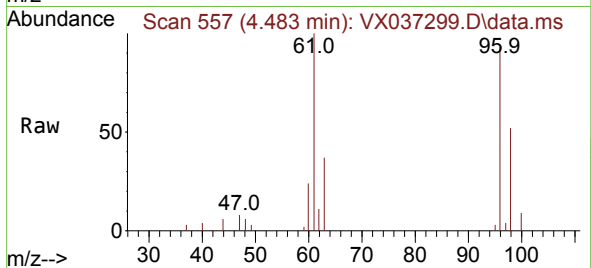
Tgt Ion: 96 Resp: 6528

Ion Ratio Lower Upper

96 100

61 116.2 0.0 312.2

98 61.6 0.0 129.0



#30

Chloroform

Concen: 0.252 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX037299.D

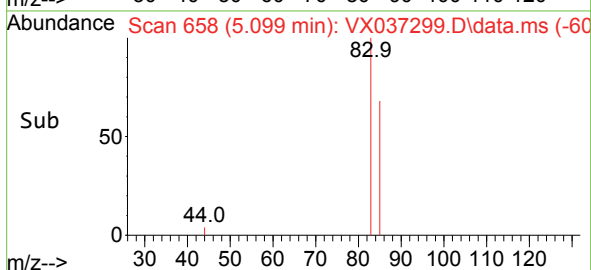
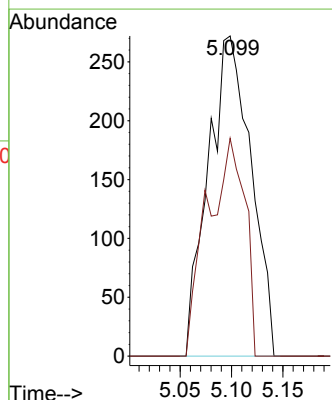
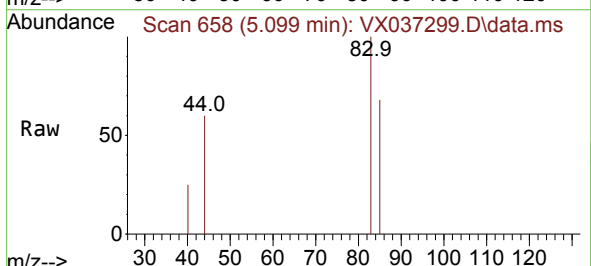
Acq: 28 Aug 2023 17:00

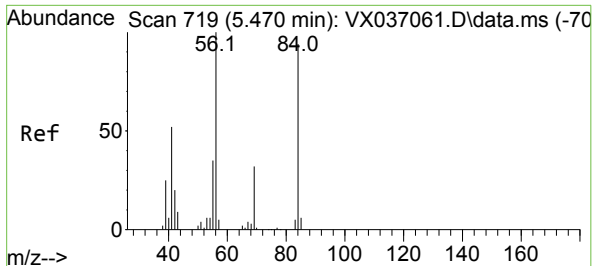
Tgt Ion: 83 Resp: 789

Ion Ratio Lower Upper

83 100

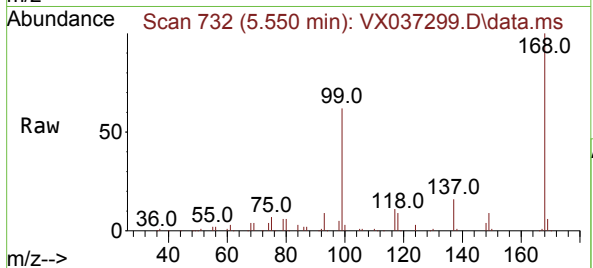
85 68.0 50.3 75.5



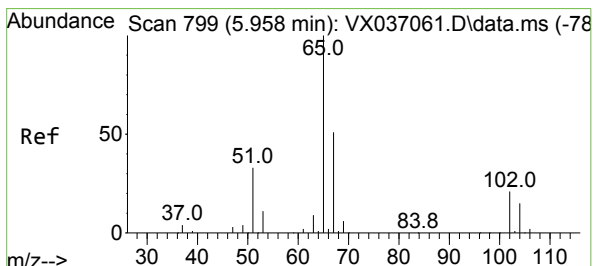
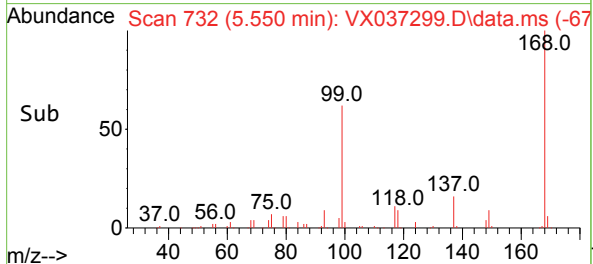
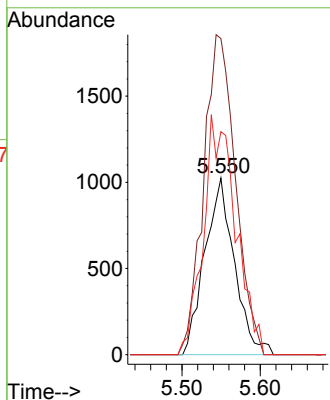


#31
Cyclohexane
Concen: 1.220 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20230819

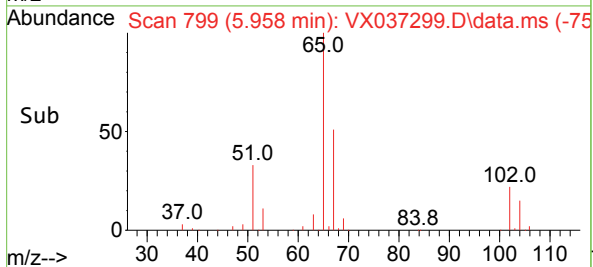
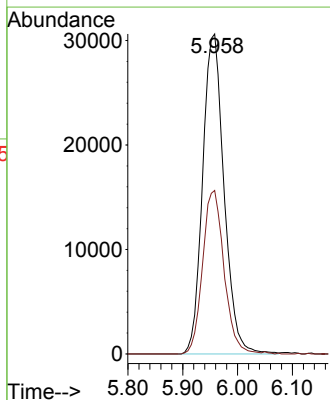
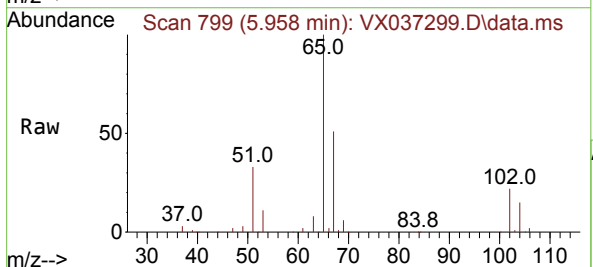


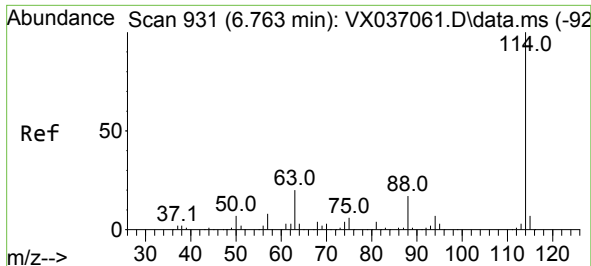
Tgt Ion: 56 Resp: 2693
Ion Ratio Lower Upper
56 100
69 179.0 23.4 35.2#
84 126.2 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.306 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

Tgt Ion: 65 Resp: 83047
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.2

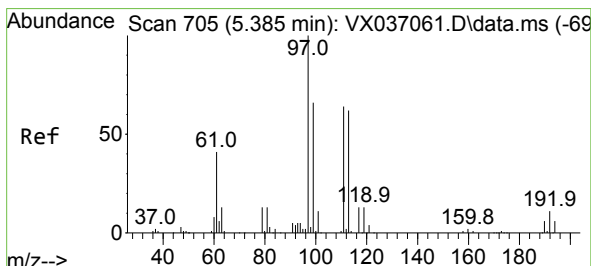
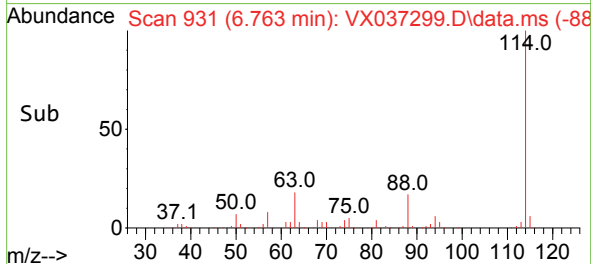
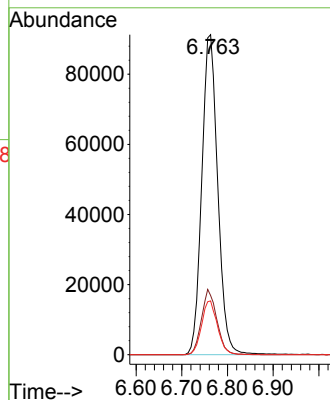
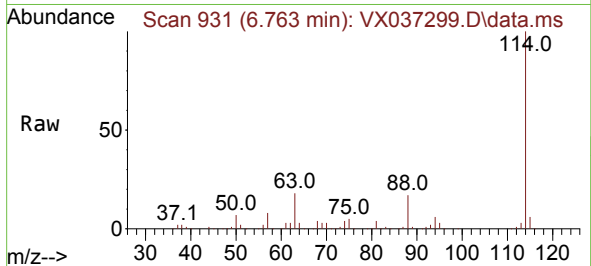




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

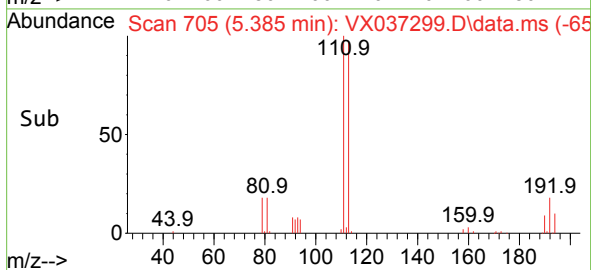
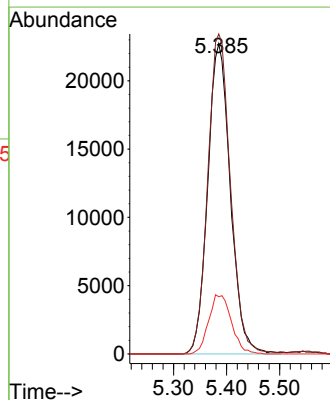
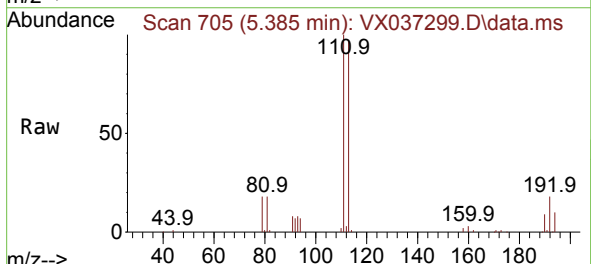
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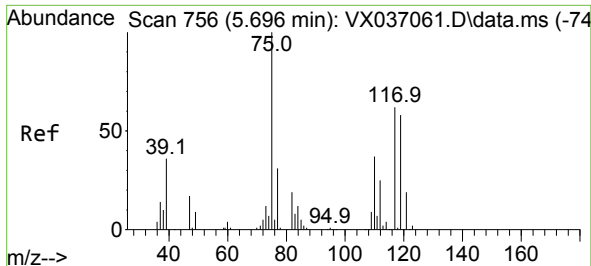
Tgt Ion:114 Resp: 220867
Ion Ratio Lower Upper
114 100
63 18.5 0.0 45.0
88 16.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.972 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

Tgt Ion:113 Resp: 67246
Ion Ratio Lower Upper
113 100
111 103.6 82.9 124.3
192 19.2 13.3 19.9

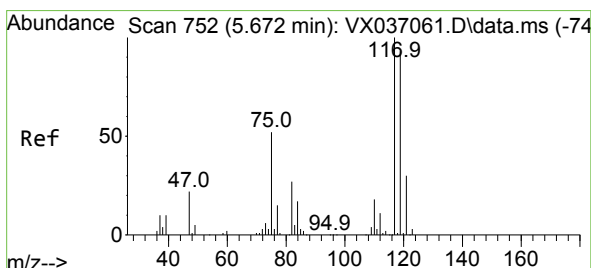
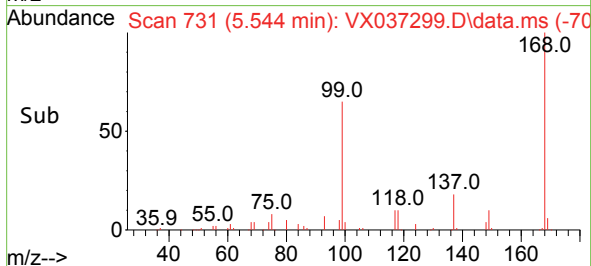
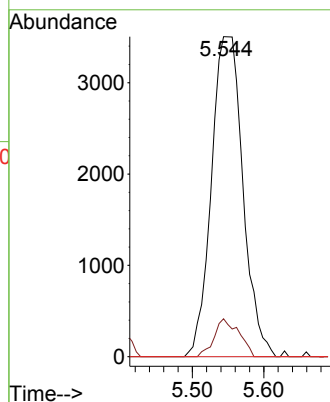
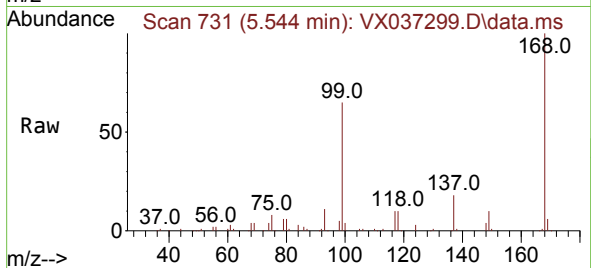




#36
1,1-Dichloropropene
Concen: 5.166 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

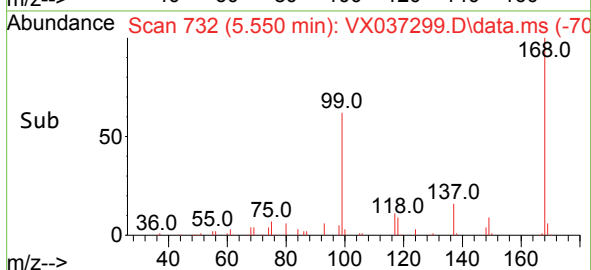
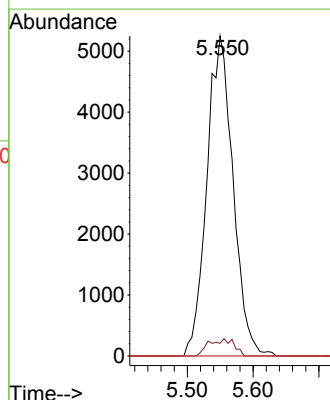
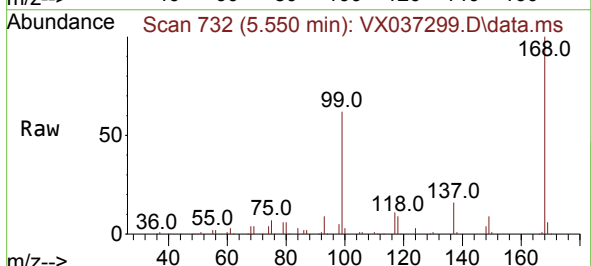
Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20230819

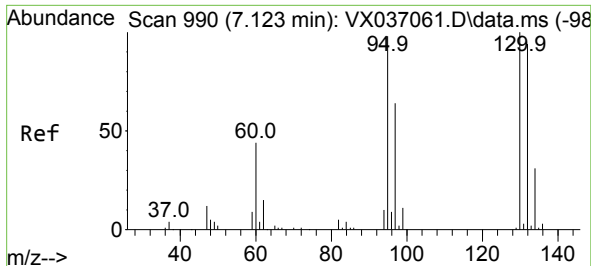
Tgt Ion: 75 Resp: 10736
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.455 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

Tgt Ion: 117 Resp: 14573
Ion Ratio Lower Upper
117 100
119 3.9 78.2 117.2#
121 0.0 24.4 36.6#

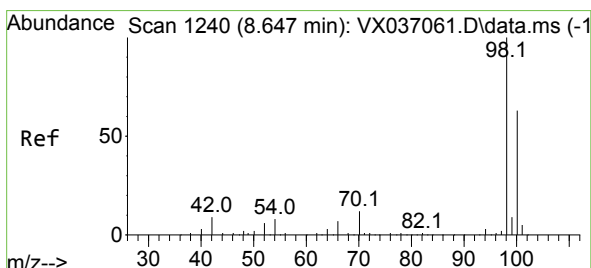
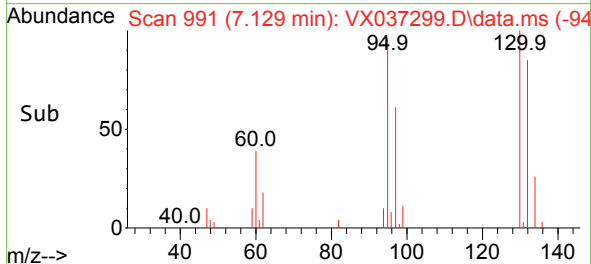
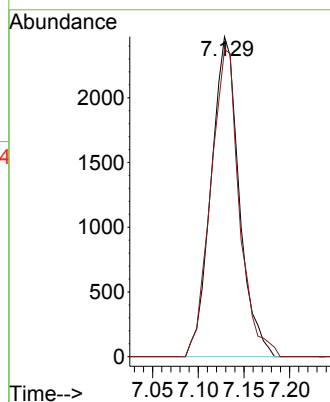
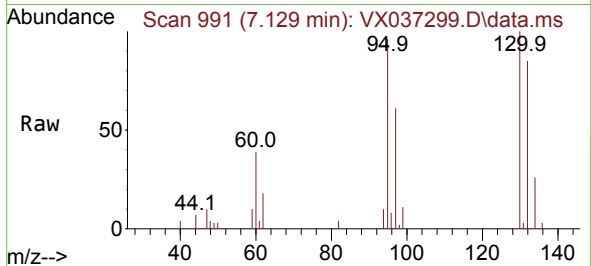




#44
Trichloroethene
Concen: 3.122 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

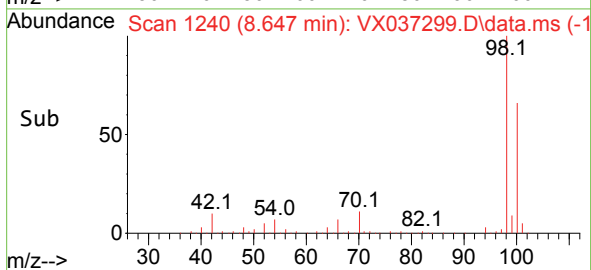
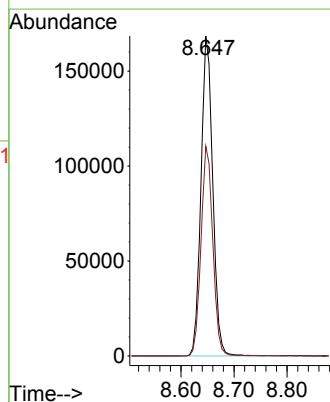
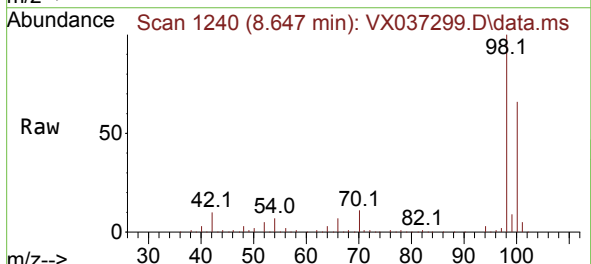
Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20230819

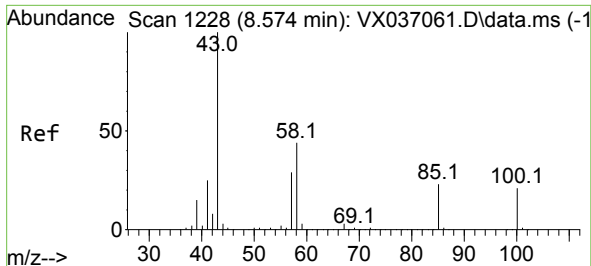
Tgt Ion:130 Resp: 5276
Ion Ratio Lower Upper
130 100
95 96.0 0.0 204.4



#50
Toluene-d8
Concen: 48.951 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

Tgt Ion: 98 Resp: 259729
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7

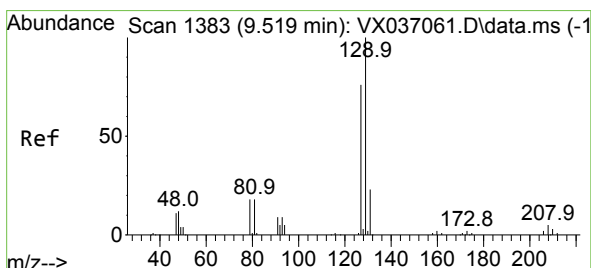
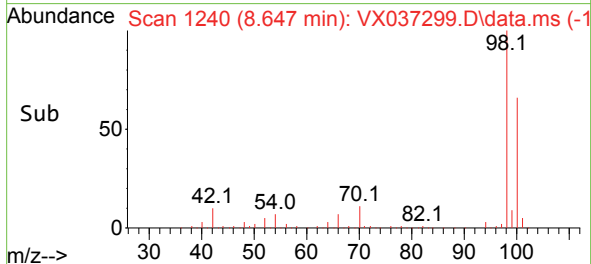
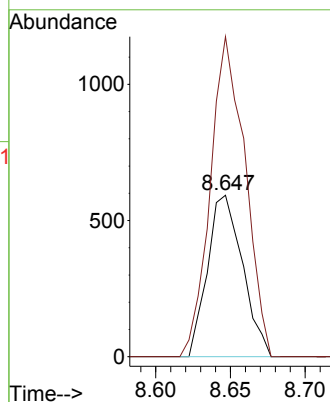
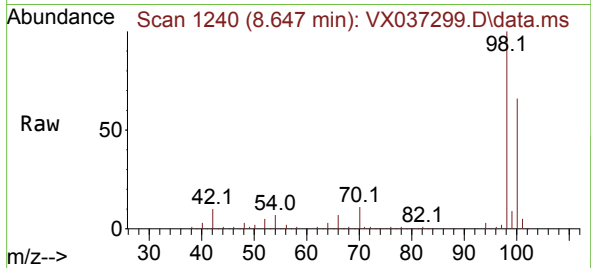




#51
4-Methyl-2-Pentanone
Concen: 0.471 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

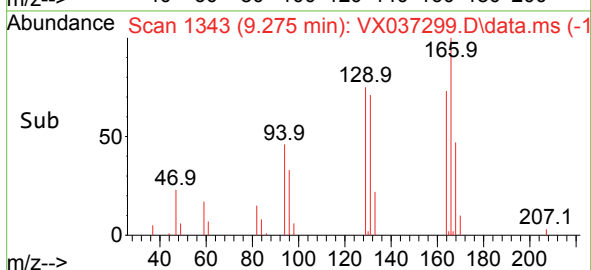
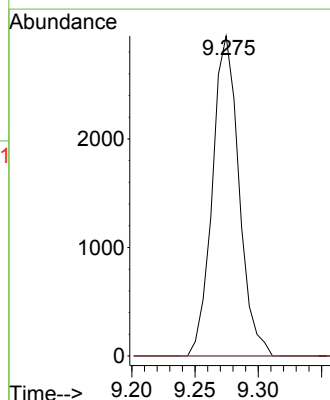
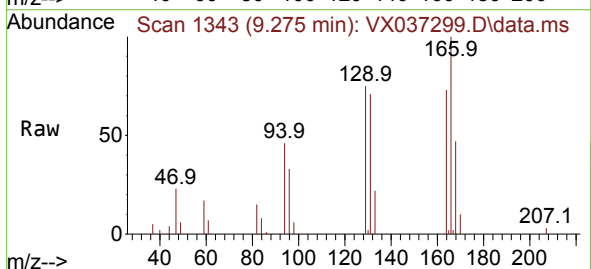
Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20230819

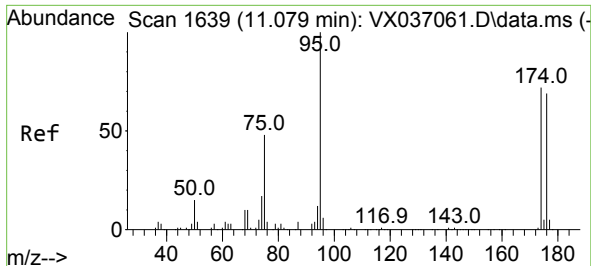
Tgt Ion: 43 Resp: 964
Ion Ratio Lower Upper
43 100
58 197.2 30.4 45.6#



#60
Dibromochloromethane
Concen: 2.530 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

Tgt Ion: 129 Resp: 4320
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

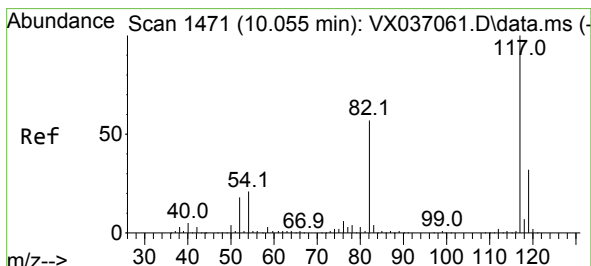
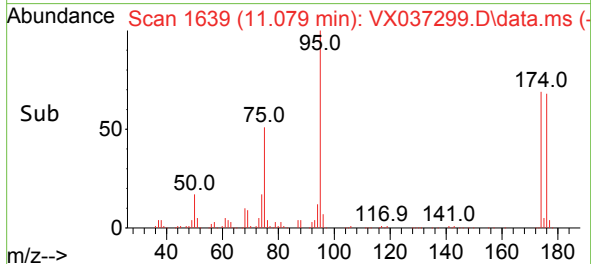
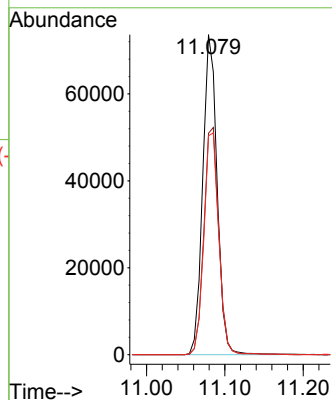
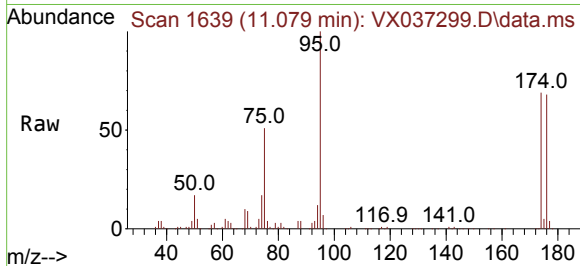




#62
4-Bromofluorobenzene
Concen: 44.883 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

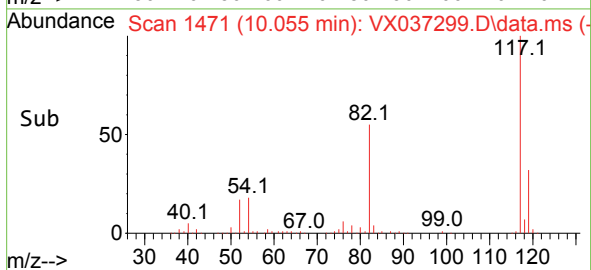
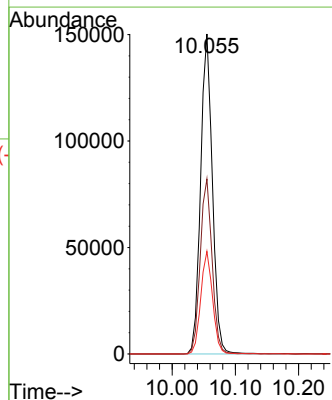
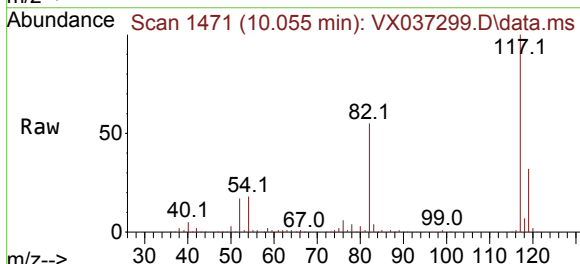
Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20230819

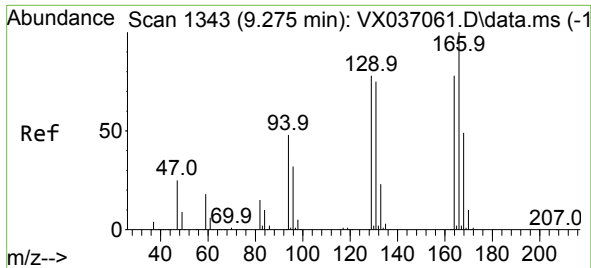
Tgt Ion: 95 Resp: 93589
Ion Ratio Lower Upper
95 100
174 74.0 0.0 135.6
176 72.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

Tgt Ion: 117 Resp: 195092
Ion Ratio Lower Upper
117 100
82 54.7 46.2 69.4
119 32.1 25.5 38.3



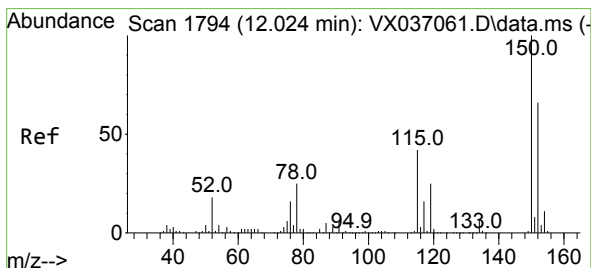
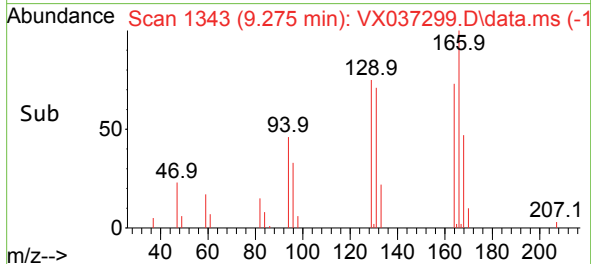
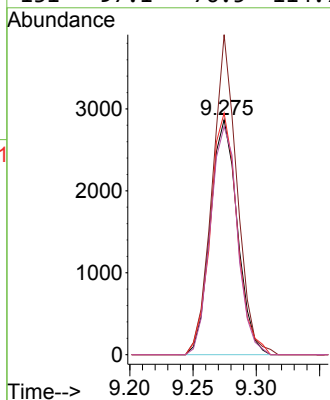
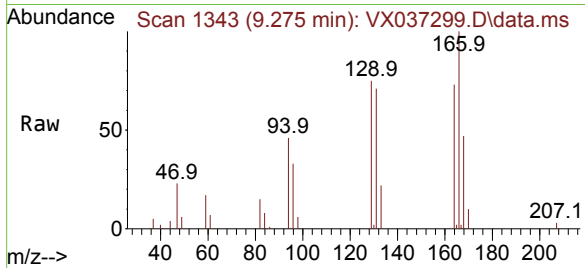


#64
Tetrachloroethene
Concen: 2.998 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20230819

Tgt Ion:164 Resp: 4267

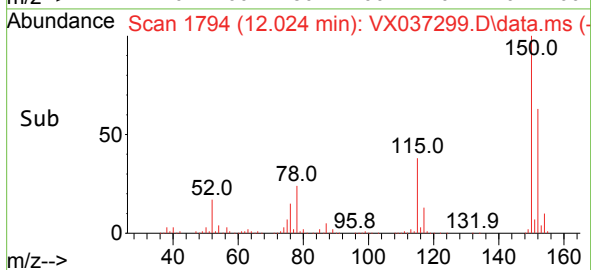
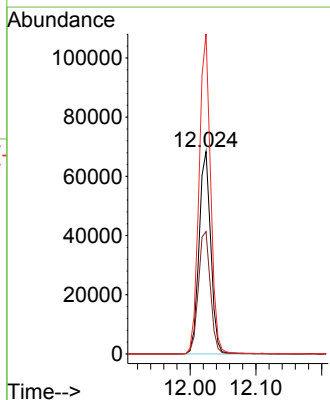
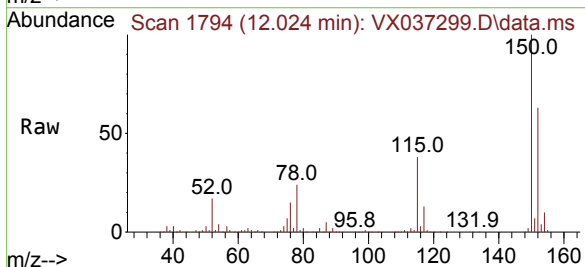
Ion	Ratio	Lower	Upper
164	100		
166	136.2	102.7	154.1
129	102.8	80.4	120.6
131	97.1	76.5	114.7

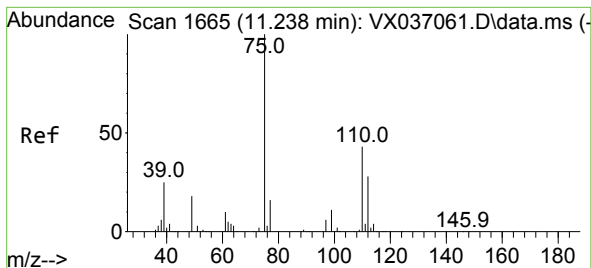


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037299.D
Acq: 28 Aug 2023 17:00

Tgt Ion:152 Resp: 84733

Ion	Ratio	Lower	Upper
152	100		
115	62.3	43.3	129.9
150	156.5	0.0	345.0





#76

1,2,3-Trichloropropane

Concen: 26.013 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX037299.D

Acq: 28 Aug 2023 17:00

Instrument :

MSVOA_X

ClientSampleId :

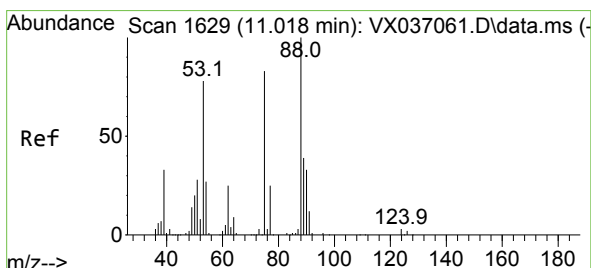
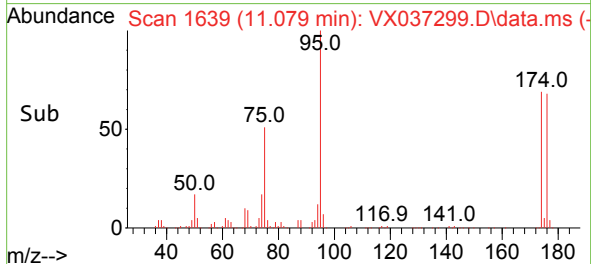
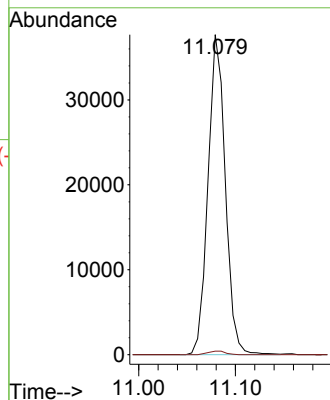
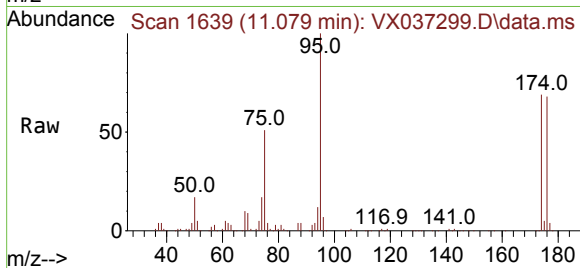
MW202D1-20230819

Tgt Ion: 75 Resp: 46942

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.657 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037299.D

Acq: 28 Aug 2023 17:00

Tgt Ion: 75 Resp: 46942

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

