

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081623\
 Data File : VX037026.D
 Acq On : 16 Aug 2023 18:36
 Operator : JC/MD
 Sample : 04024-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW17811-20230815

Quant Time: Aug 17 04:18:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

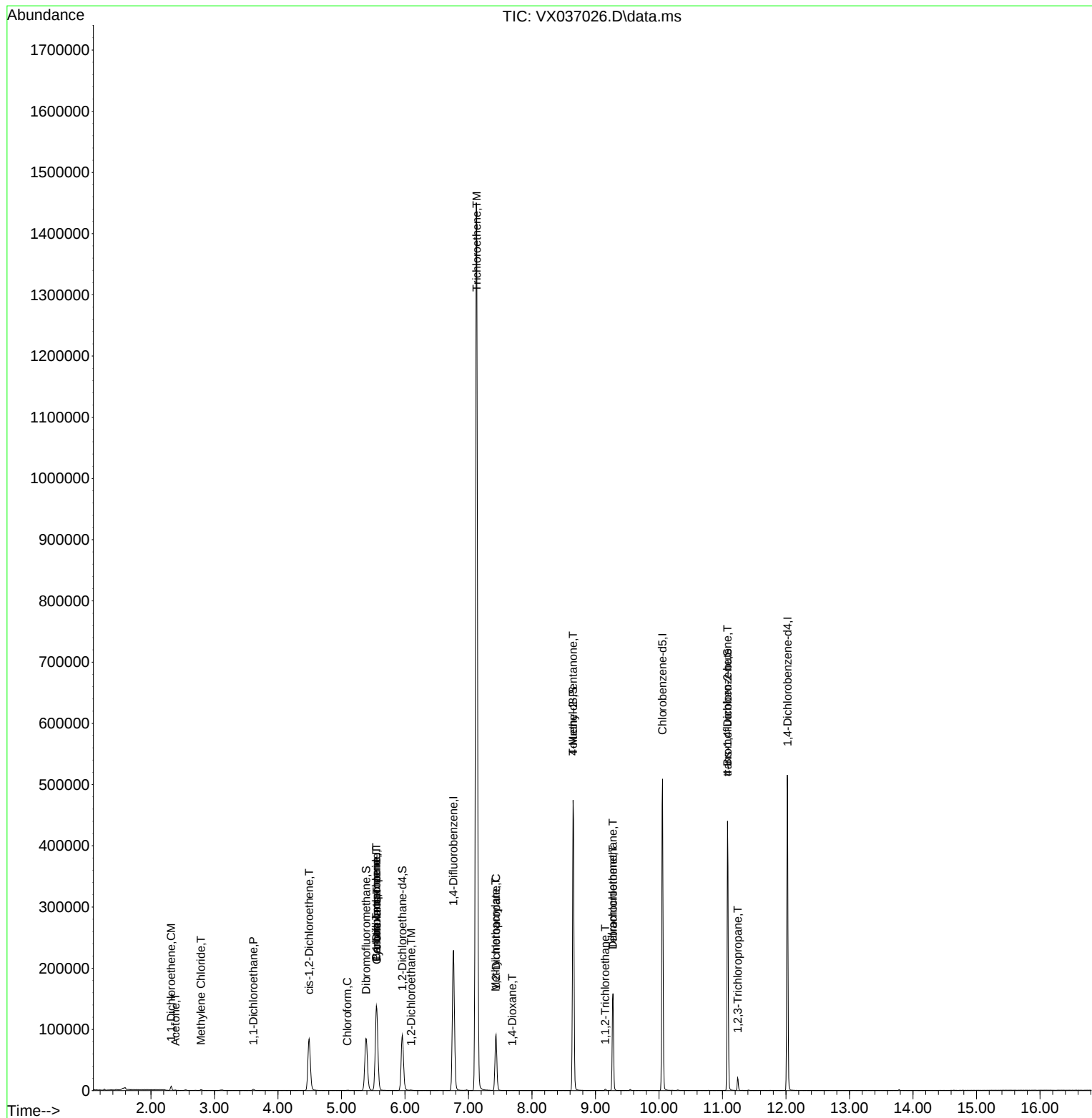
Internal Standards						
1) Pentafluorobenzene	5.550	168	127999	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	237964	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107125	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	91221	48.165	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.320%		
35) Dibromofluoromethane	5.385	113	75983	46.455	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.900%		
50) Toluene-d8	8.647	98	284066	48.974	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.940%		
62) 4-Bromofluorobenzene	11.079	95	117606	53.742	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.480%		
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.319	96	2387	1.665	ug/l #	79
16) Acetone	2.386	43	843	1.073	ug/l #	80
20) Methylene Chloride	2.788	84	788	0.451	ug/l #	82
24) 1,1-Dichloroethane	3.611	63	2281	0.759	ug/l #	94
27) cis-1,2-Dichloroethene	4.489	96	55269	29.049	ug/l	82
30) Chloroform	5.093	83	669	0.218	ug/l #	80
31) Cyclohexane	5.556	56	2764	1.054	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10485	4.301	ug/l #	50
38) Carbon Tetrachloride	5.550	117	13759	5.309	ug/l #	15
42) 1,2-Dichloroethane	6.099	62	840	0.324	ug/l #	77
44) Trichloroethene	7.129	130	565090	304.793	ug/l	98
45) 1,2-Dichloropropane	7.434	63	35739	18.872	ug/l	97
48) Methyl methacrylate	7.428	41	19929	9.022	ug/l #	39
49) 1,4-Dioxane	7.690	88	86	1.927	ug/l #	12
51) 4-Methyl-2-Pentanone	8.647	43	1155	0.439	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	706	0.378	ug/l	93
60) Dibromochloromethane	9.275	129	28962	14.105	ug/l #	11
64) Tetrachloroethene	9.275	164	28746	16.643	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	6769	2.686	ug/l	87
81) trans-1,4-Dichloro-2-b...	11.079	75	60942	54.820	ug/l #	5

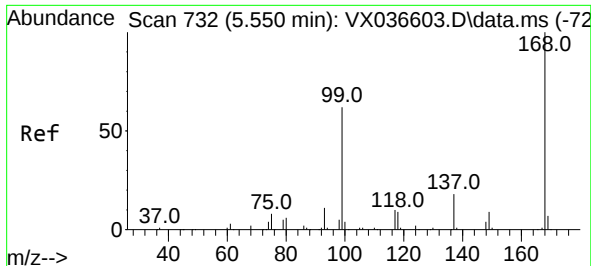
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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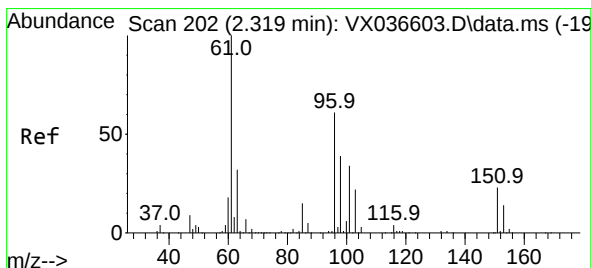
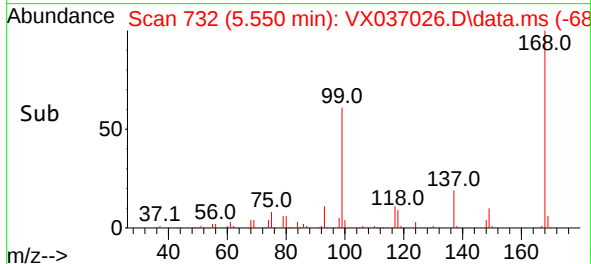
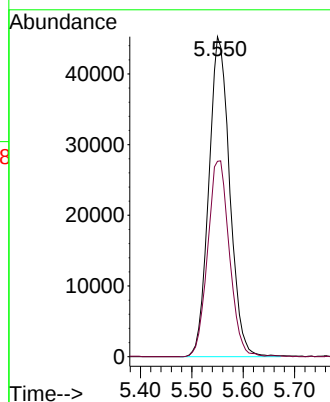
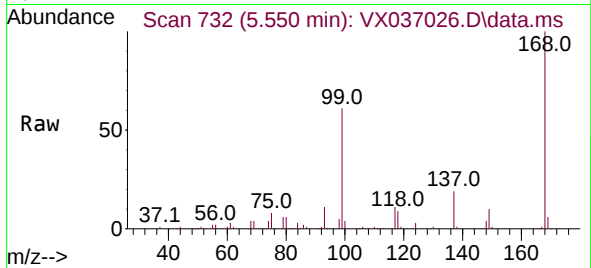




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037026.D
Acq: 16 Aug 2023 18:36

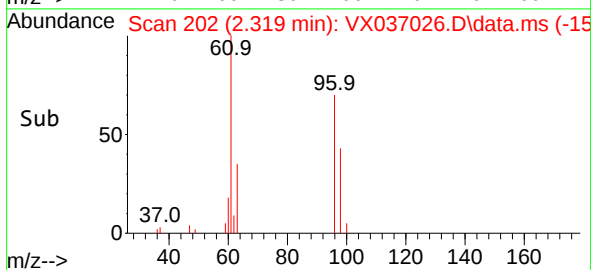
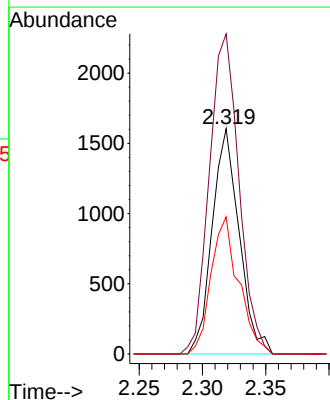
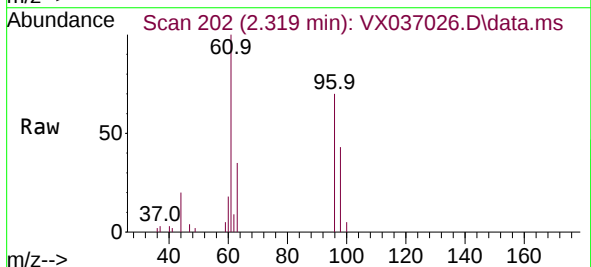
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20230815

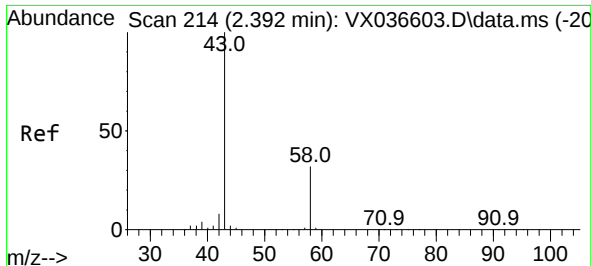
Tgt Ion:168 Resp: 127999
Ion Ratio Lower Upper
168 100
99 61.1 56.6 85.0



#12
1,1-Dichloroethene
Concen: 1.665 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX037026.D
Acq: 16 Aug 2023 18:36

Tgt Ion: 96 Resp: 2387
Ion Ratio Lower Upper
96 100
61 142.1 144.6 216.8#
98 60.9 50.4 75.6

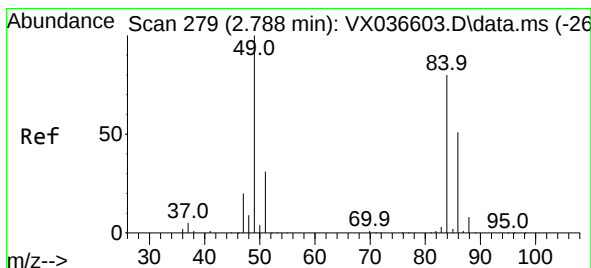
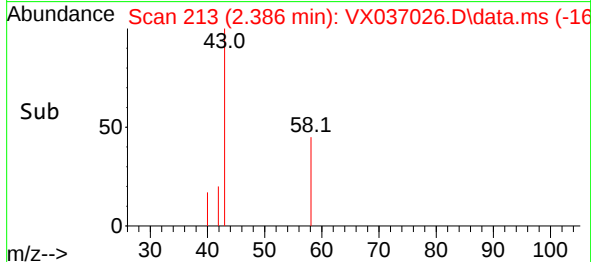
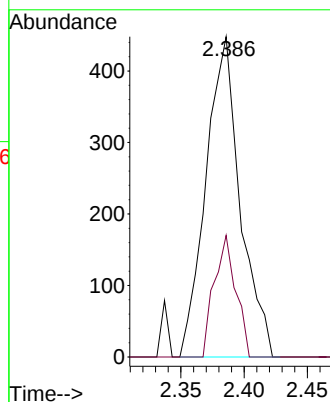
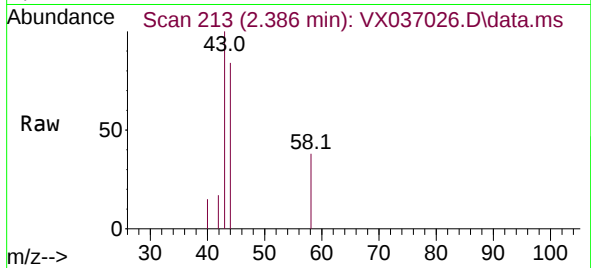




#16
Acetone
Concen: 1.073 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX037026.D
Acq: 16 Aug 2023 18:36

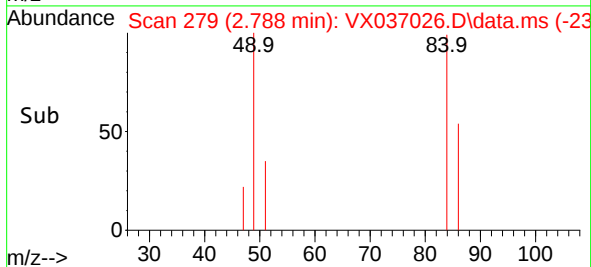
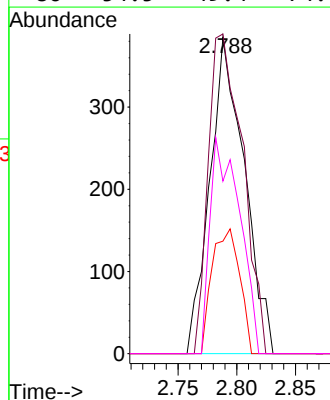
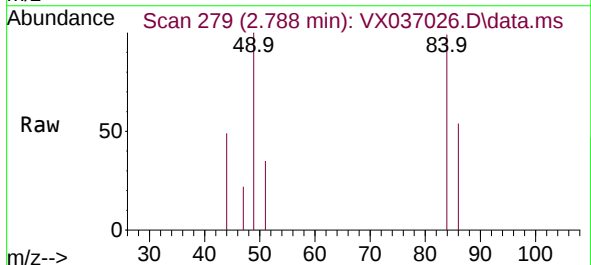
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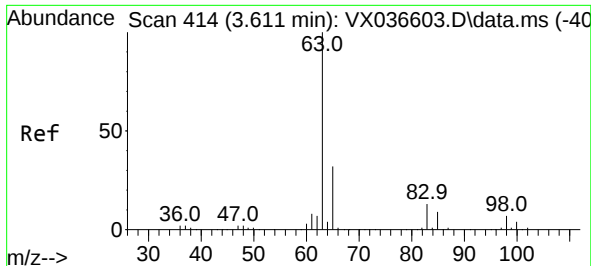
Tgt Ion: 43 Resp: 843
Ion Ratio Lower Upper
43 100
58 37.9 21.9 32.9#



#20
Methylene Chloride
Concen: 0.451 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037026.D
Acq: 16 Aug 2023 18:36

Tgt Ion: 84 Resp: 788
Ion Ratio Lower Upper
84 100
49 101.0 103.6 155.4#
51 35.6 33.8 50.6
86 54.5 49.4 74.0

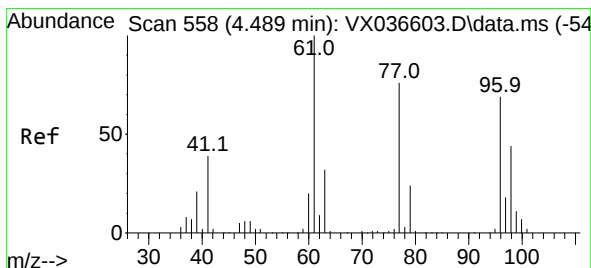
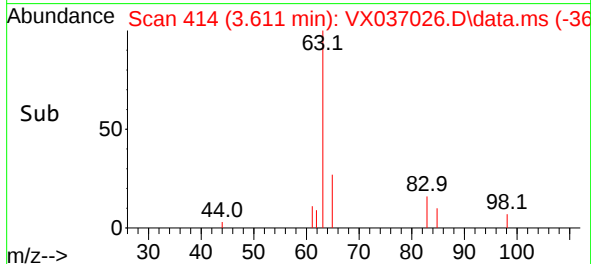
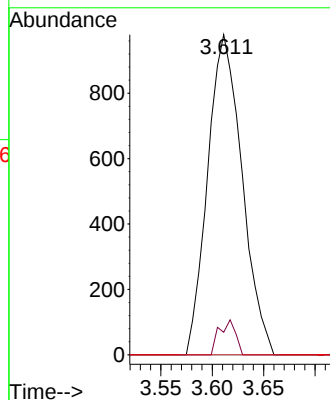
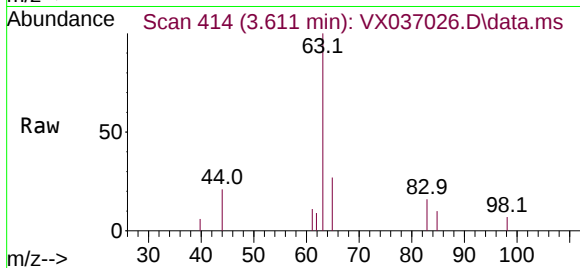




#24
 1,1-Dichloroethane
 Concen: 0.759 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.000 min
 Lab File: VX037026.D
 Acq: 16 Aug 2023 18:36

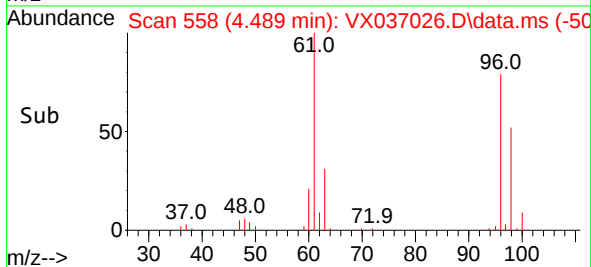
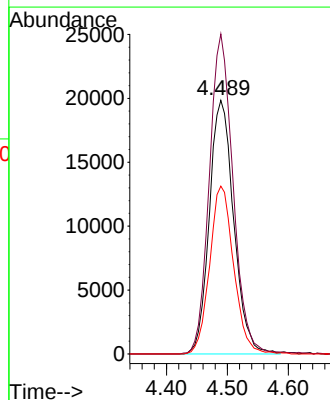
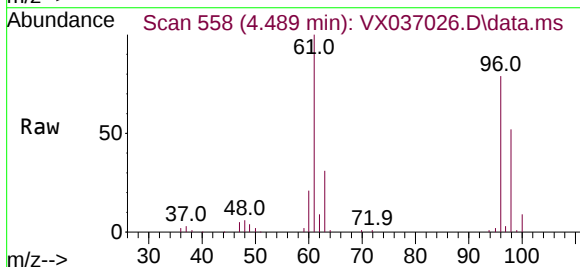
Instrument :
 MSVOA_X
 ClientSampleId :
 MW17811-20230815

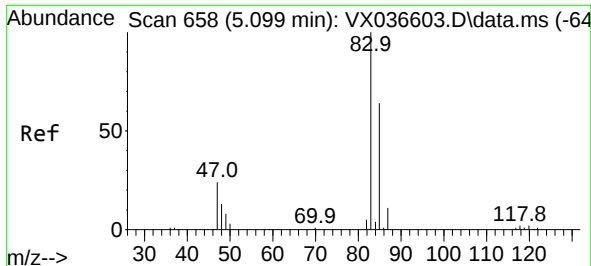
Tgt Ion: 63 Resp: 2281
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.8
 100 0.0 2.1 6.5#



#27
 cis-1,2-Dichloroethene
 Concen: 29.049 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. 0.000 min
 Lab File: VX037026.D
 Acq: 16 Aug 2023 18:36

Tgt Ion: 96 Resp: 55269
 Ion Ratio Lower Upper
 96 100
 61 122.9 0.0 312.2
 98 65.2 0.0 129.0





#30

Chloroform

Concen: 0.218 ug/l

RT: 5.093 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX037026.D

Acq: 16 Aug 2023 18:36

Instrument :

MSVOA_X

ClientSampleId :

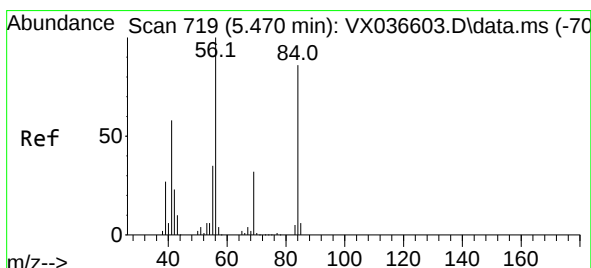
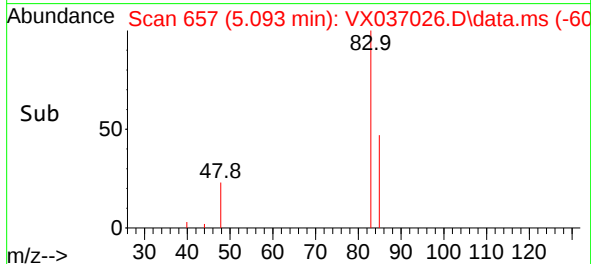
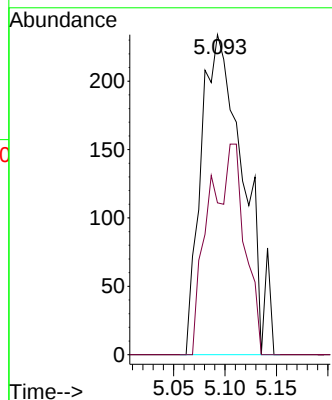
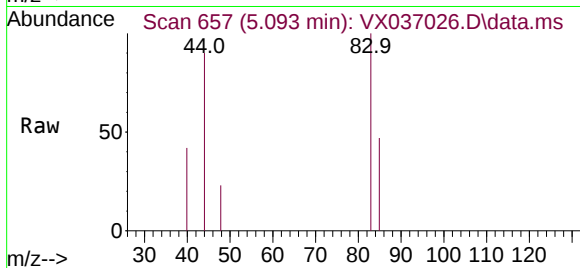
MW17811-20230815

Tgt Ion: 83 Resp: 669

Ion Ratio Lower Upper

83 100

85 47.4 50.3 75.5#



#31

Cyclohexane

Concen: 1.054 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX037026.D

Acq: 16 Aug 2023 18:36

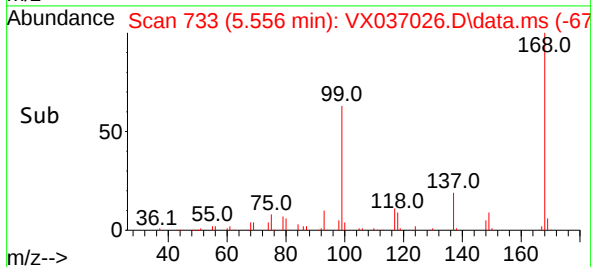
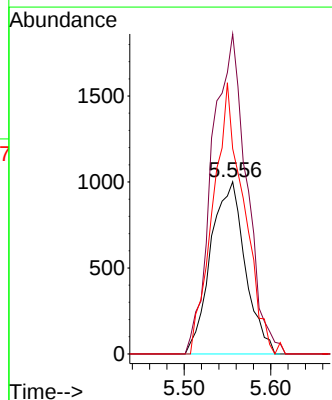
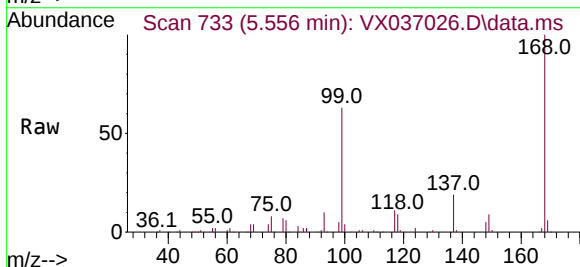
Tgt Ion: 56 Resp: 2764

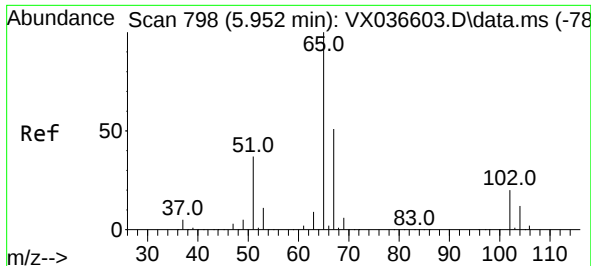
Ion Ratio Lower Upper

56 100

69 185.9 23.4 35.2#

84 119.3 65.9 98.9#

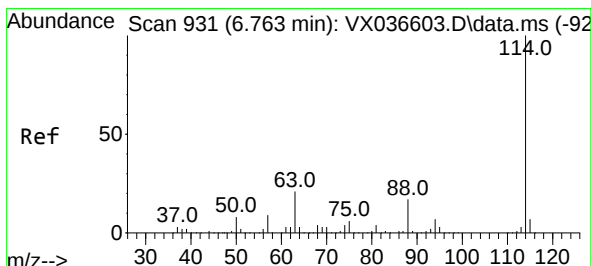
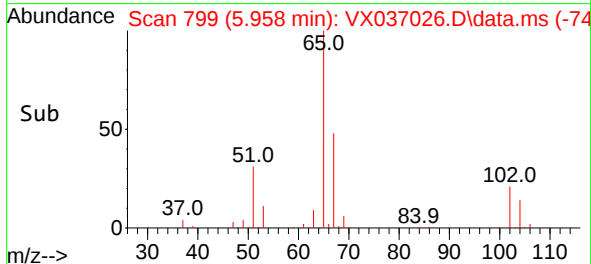
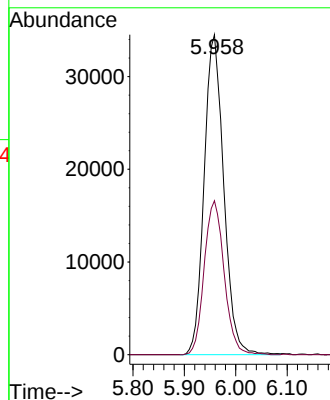
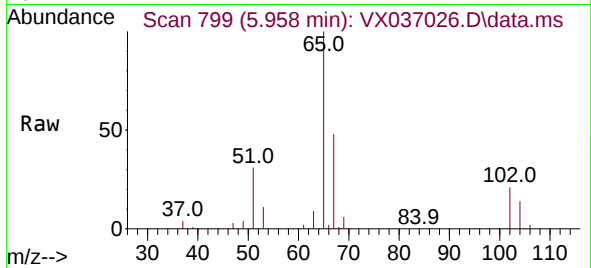




#33
 1,2-Dichloroethane-d4
 Concen: 48.165 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX037026.D
 Acq: 16 Aug 2023 18:36

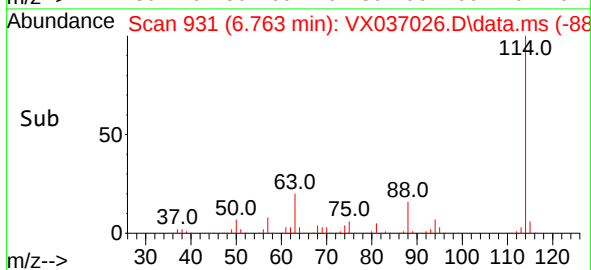
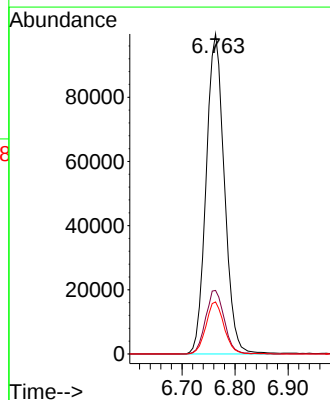
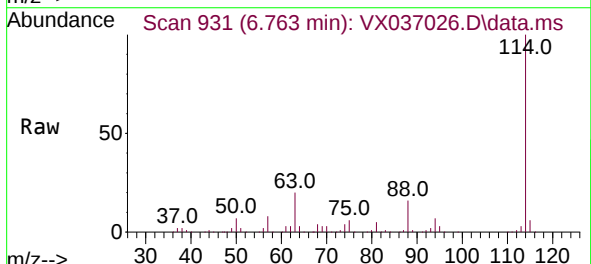
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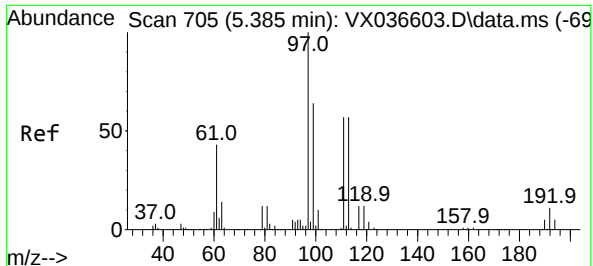
Tgt Ion: 65 Resp: 91221
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX037026.D
 Acq: 16 Aug 2023 18:36

Tgt Ion: 114 Resp: 237964
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 45.0
 88 16.2 0.0 36.6

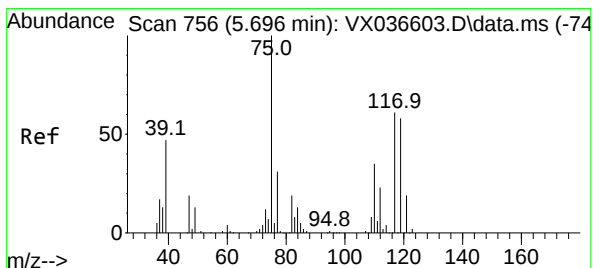
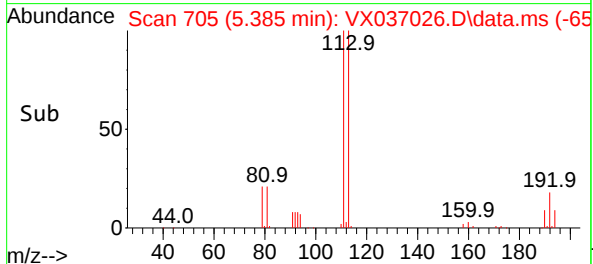
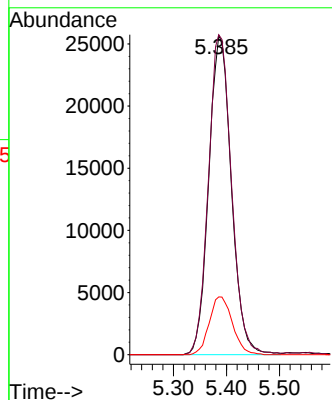
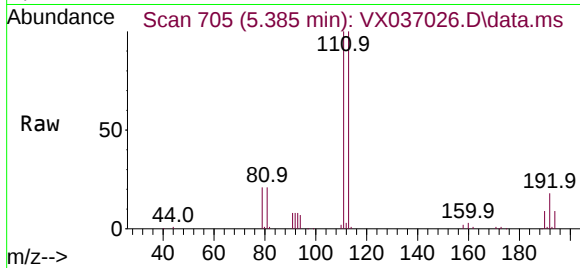




#35
Dibromofluoromethane
Concen: 46.455 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037026.D
Acq: 16 Aug 2023 18:36

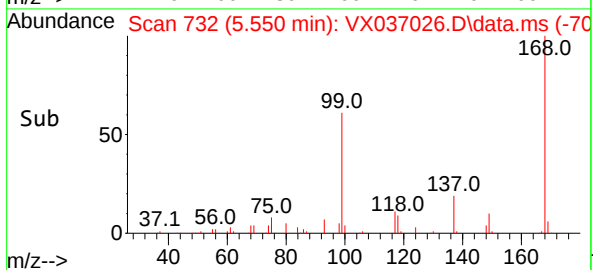
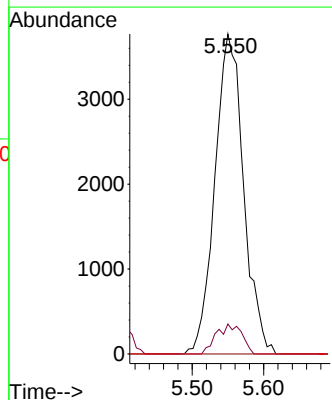
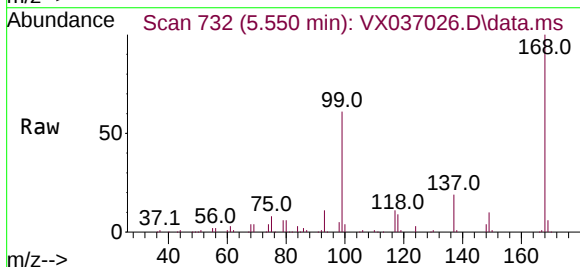
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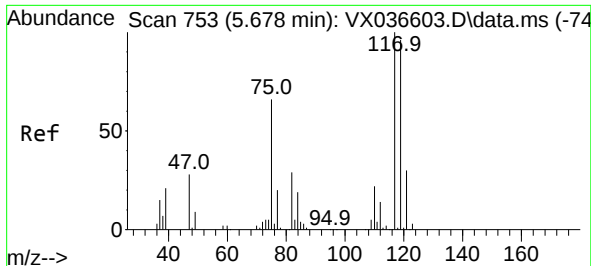
Tgt Ion:113 Resp: 75983
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 18.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.301 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037026.D
Acq: 16 Aug 2023 18:36

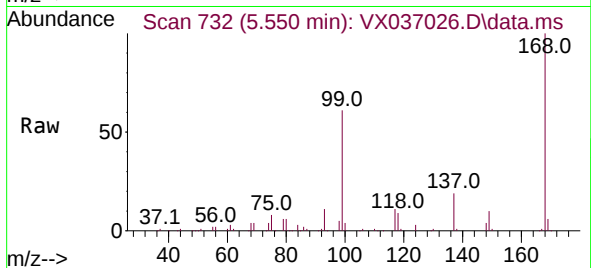
Tgt Ion: 75 Resp: 10485
Ion Ratio Lower Upper
75 100
110 8.3 17.0 50.9#
77 0.0 24.7 37.1#



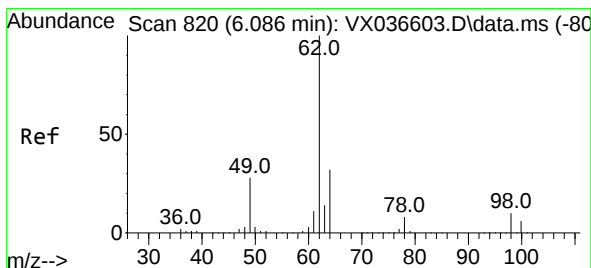
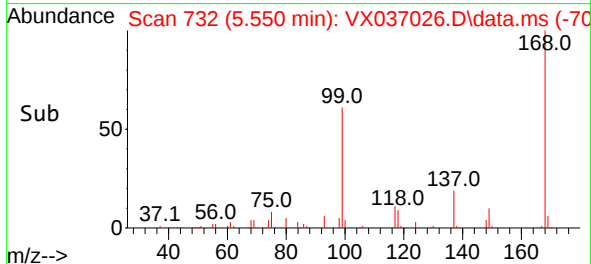
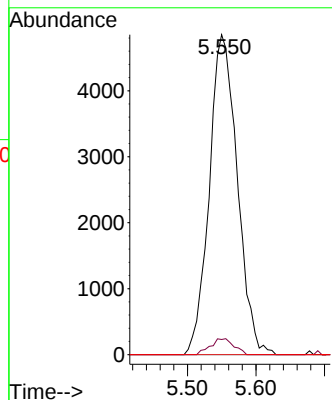


#38
Carbon Tetrachloride
Concen: 5.309 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX037026.D
Acq: 16 Aug 2023 18:36

Instrument :
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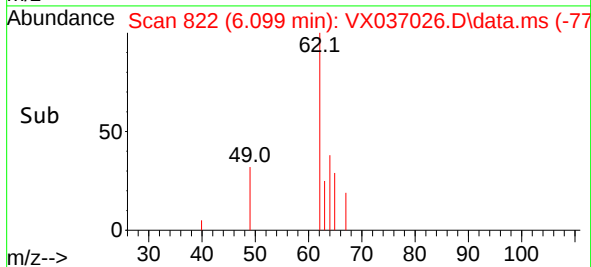
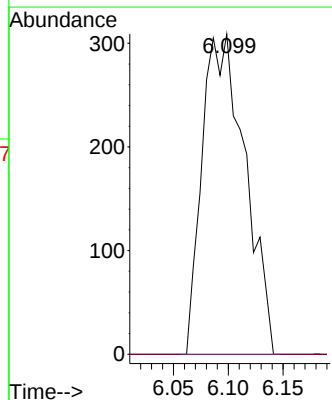
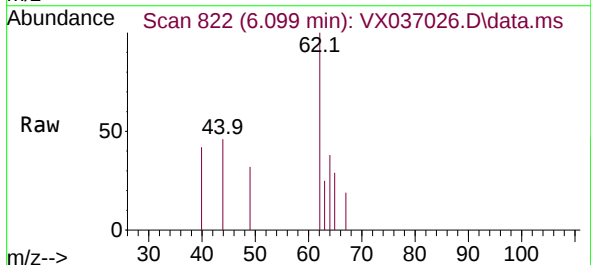


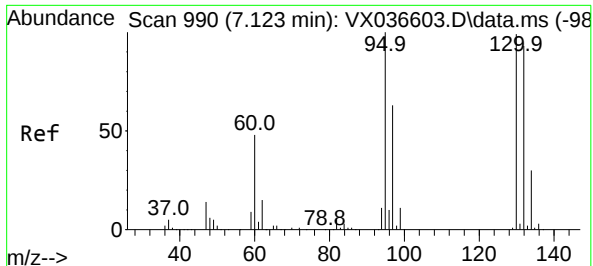
Tgt Ion:117 Resp: 13759
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.324 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.012 min
Lab File: VX037026.D
Acq: 16 Aug 2023 18:36

Tgt Ion: 62 Resp: 840
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

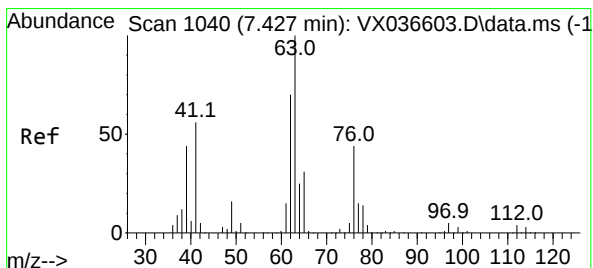
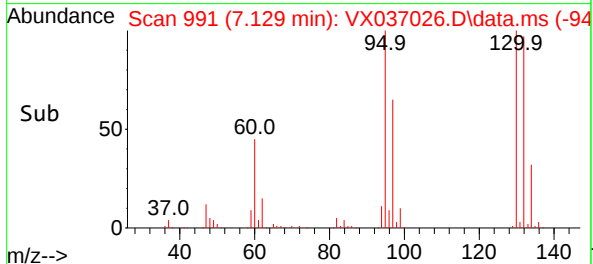
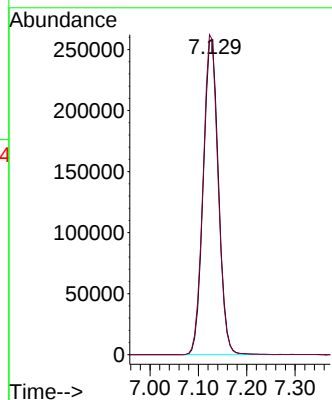
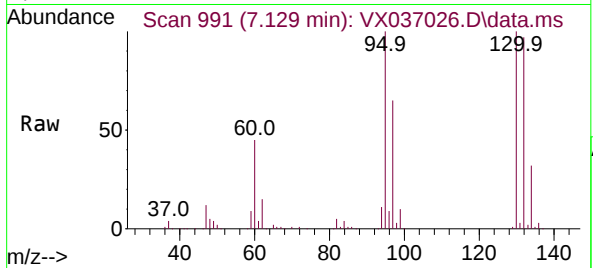




#44
Trichloroethene
Concen: 304.793 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037026.D
Acq: 16 Aug 2023 18:36

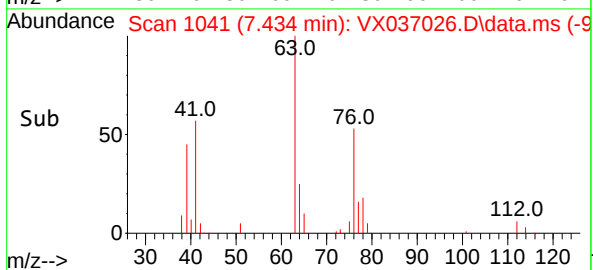
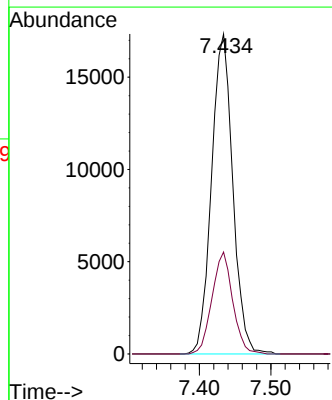
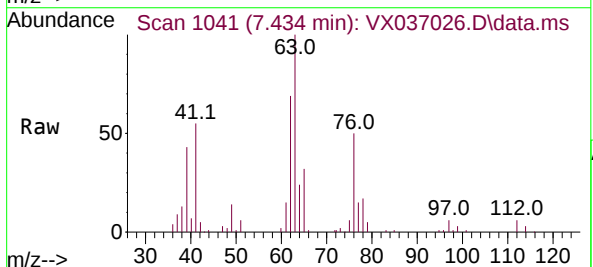
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20230815

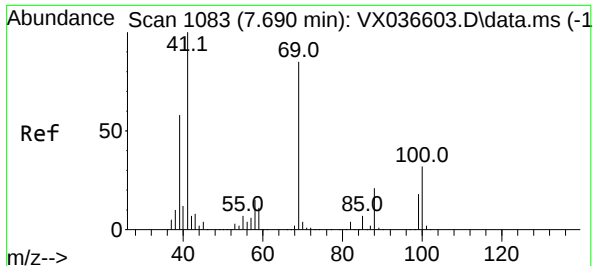
Tgt Ion:130 Resp: 565090
Ion Ratio Lower Upper
130 100
95 100.0 0.0 204.4



#45
1,2-Dichloropropane
Concen: 18.872 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX037026.D
Acq: 16 Aug 2023 18:36

Tgt Ion: 63 Resp: 35739
Ion Ratio Lower Upper
63 100
65 31.8 24.3 36.5





#48

Methyl methacrylate

Concen: 9.022 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. -0.262 min

Lab File: VX037026.D

Acq: 16 Aug 2023 18:36

Instrument :

MSVOA_X

ClientSampleId :

MW17811-20230815

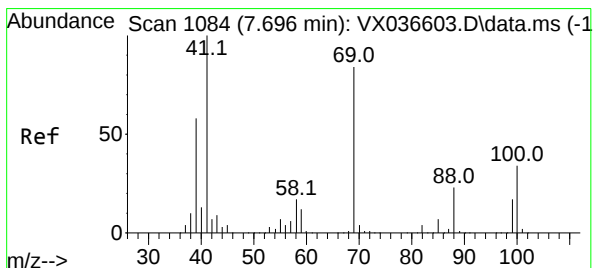
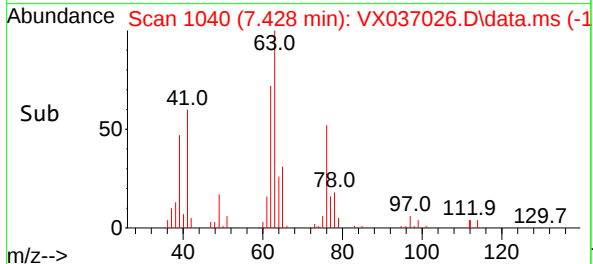
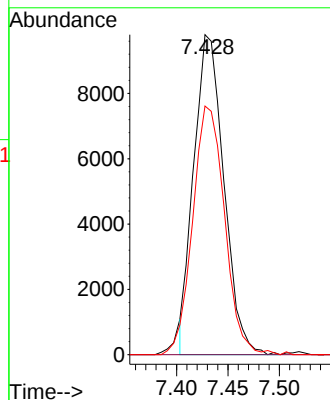
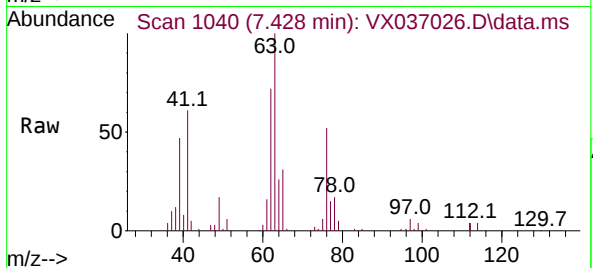
Tgt Ion: 41 Resp: 19929

Ion Ratio Lower Upper

41 100

69 0.0 59.2 88.8#

39 80.0 47.7 71.5#



#49

1,4-Dioxane

Concen: 1.927 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. -0.006 min

Lab File: VX037026.D

Acq: 16 Aug 2023 18:36

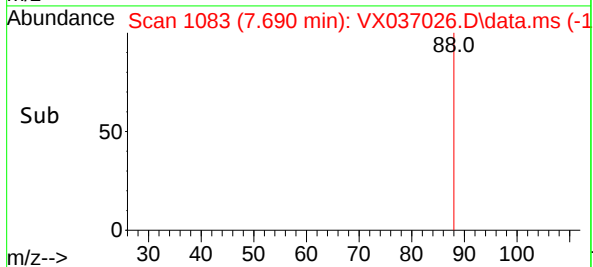
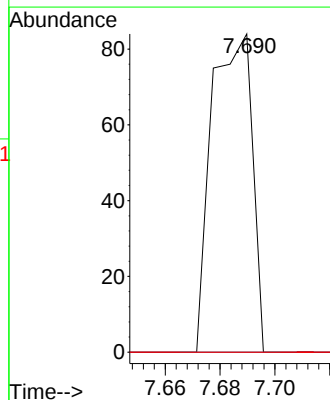
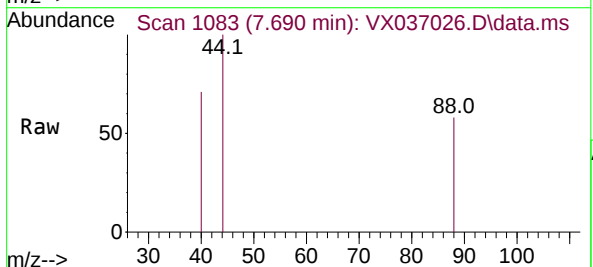
Tgt Ion: 88 Resp: 86

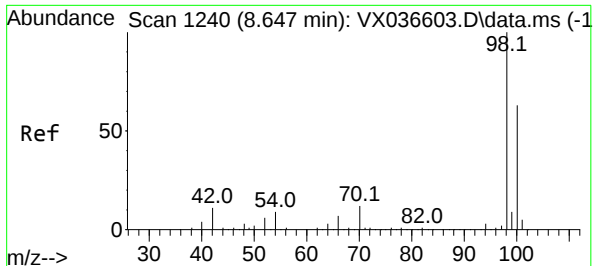
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 60.1 90.1#

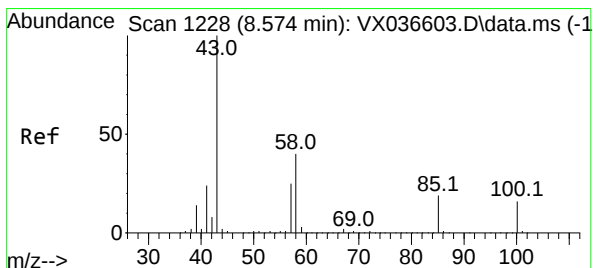
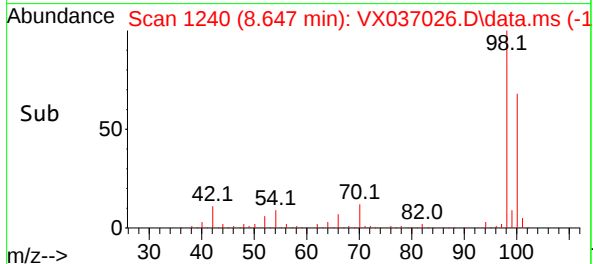
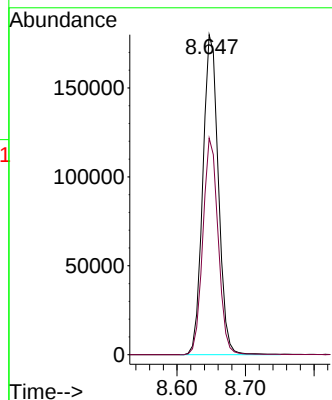
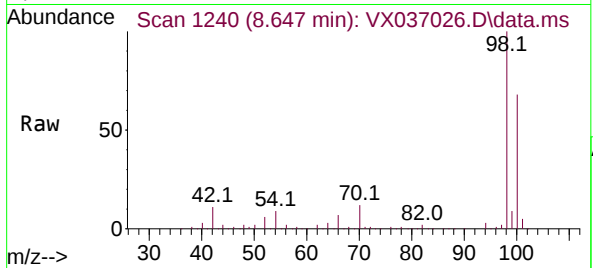




#50
Toluene-d8
Concen: 48.974 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037026.D
Acq: 16 Aug 2023 18:36

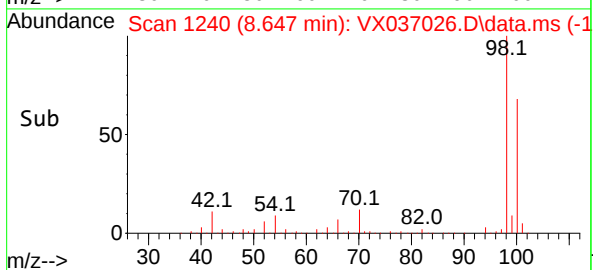
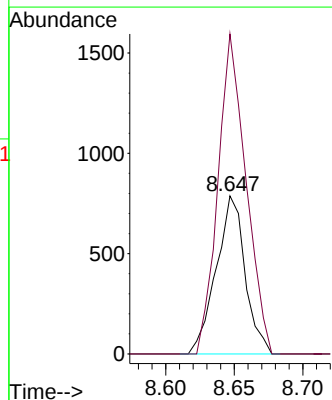
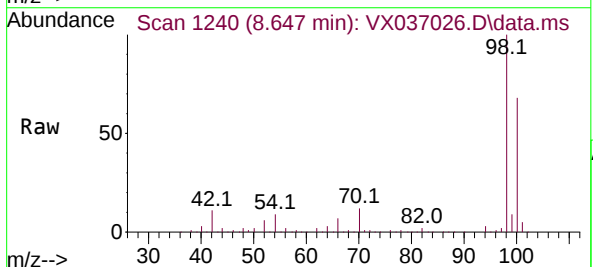
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20230815

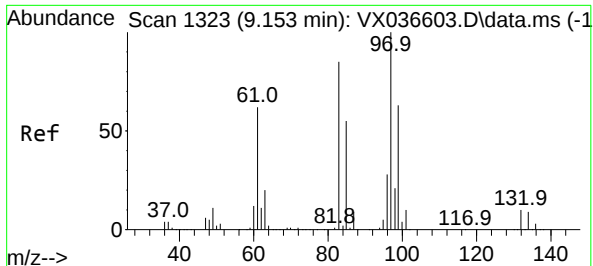
Tgt Ion: 98 Resp: 284066
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.439 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX037026.D
Acq: 16 Aug 2023 18:36

Tgt Ion: 43 Resp: 1155
Ion Ratio Lower Upper
43 100
58 196.5 30.4 45.6#

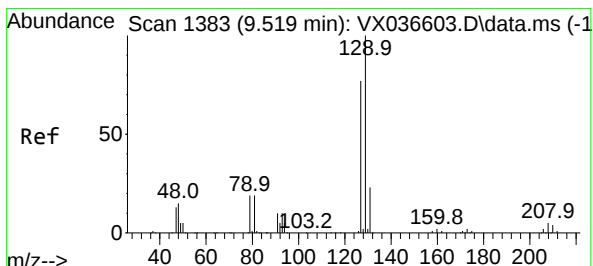
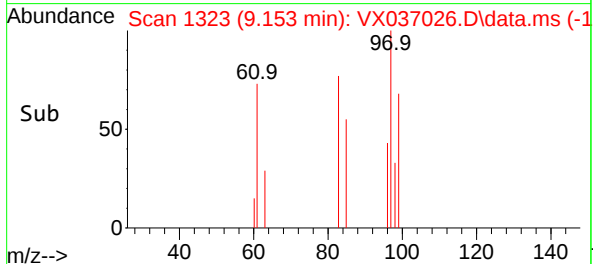
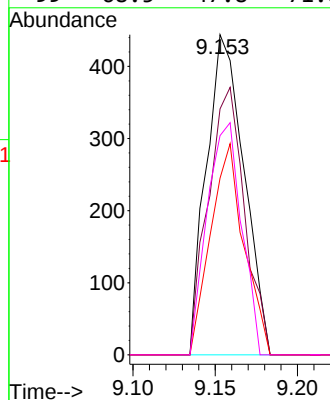
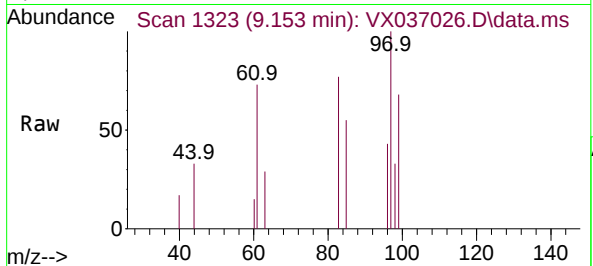




#55
 1,1,2-Trichloroethane
 Concen: 0.378 ug/l
 RT: 9.153 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037026.D
 Acq: 16 Aug 2023 18:36

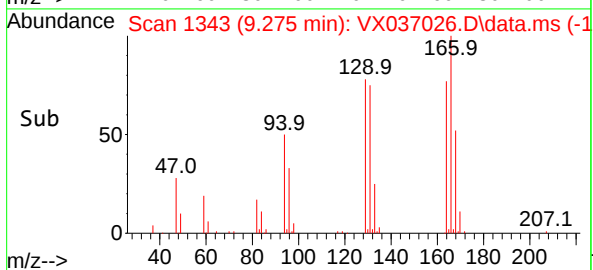
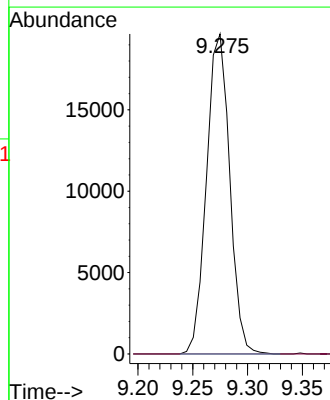
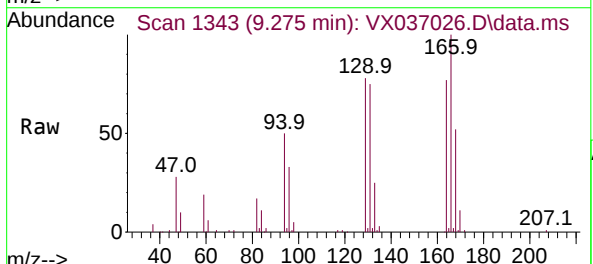
Instrument :
 MSVOA_X
 ClientSampleId :
 MW17811-20230815

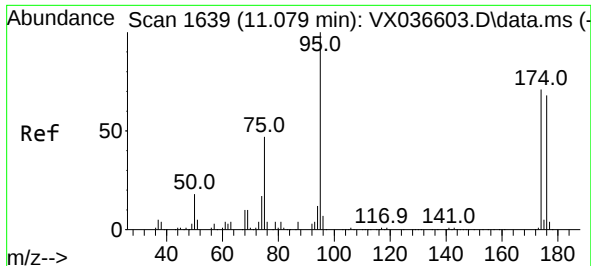
Tgt Ion: 97	Resp: 706
Ion Ratio	Lower Upper
97 100	
83 76.8	65.8 98.8
85 55.2	41.6 62.4
99 68.5	47.8 71.8



#60
 Dibromochloromethane
 Concen: 14.105 ug/l
 RT: 9.275 min Scan# 1343
 Delta R.T. -0.244 min
 Lab File: VX037026.D
 Acq: 16 Aug 2023 18:36

Tgt Ion:129	Resp:	28962	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.8	116.4#

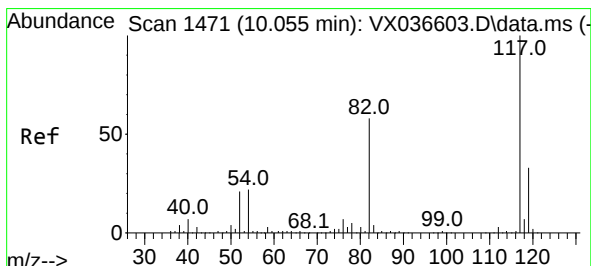
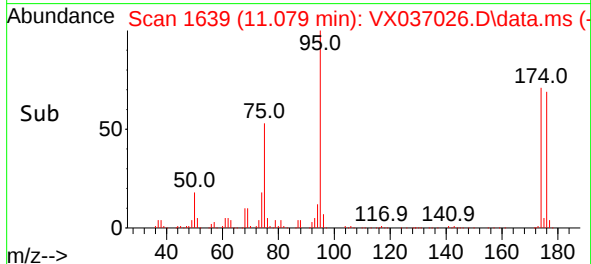
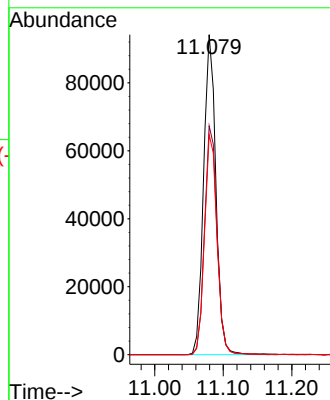
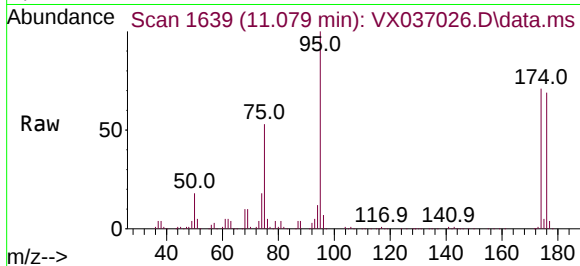




#62
4-Bromofluorobenzene
Concen: 53.742 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037026.D
Acq: 16 Aug 2023 18:36

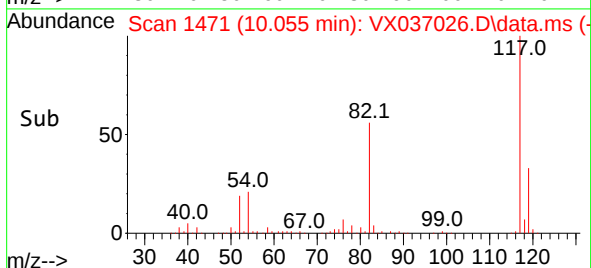
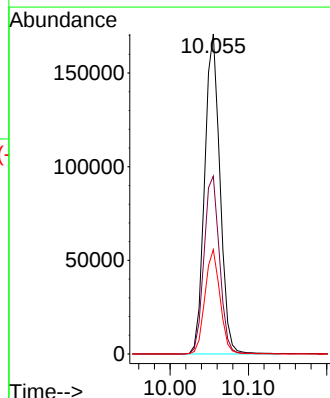
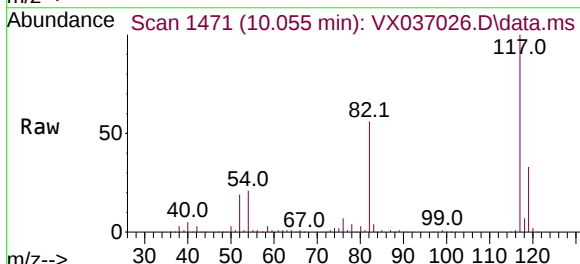
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20230815

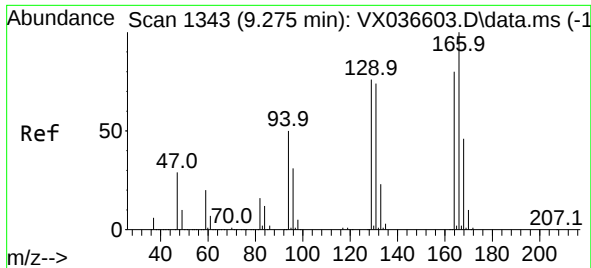
Tgt Ion: 95 Resp: 117606
Ion Ratio Lower Upper
95 100
174 72.6 0.0 135.6
176 69.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037026.D
Acq: 16 Aug 2023 18:36

Tgt Ion: 117 Resp: 231571
Ion Ratio Lower Upper
117 100
82 55.6 46.2 69.4
119 32.6 25.5 38.3

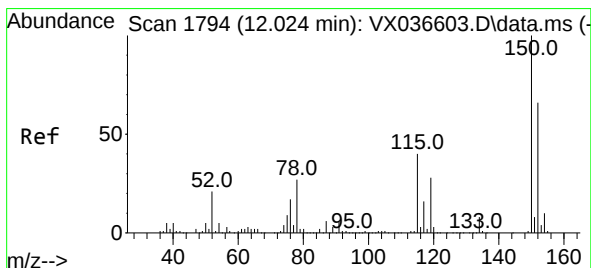
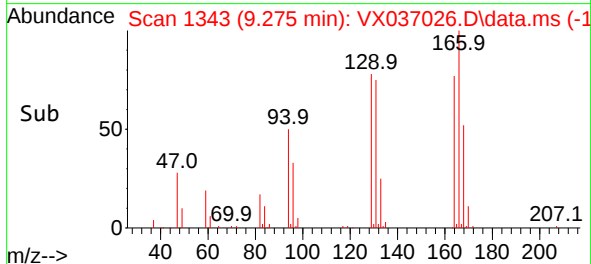
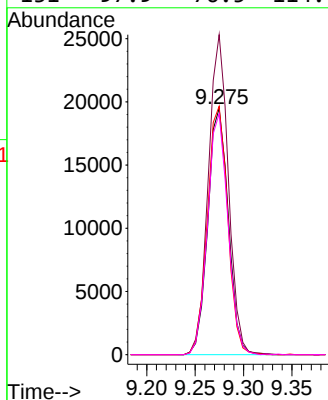
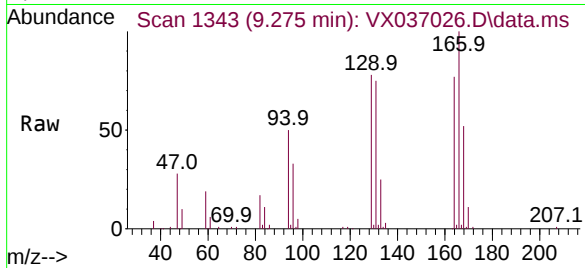




#64
Tetrachloroethene
Concen: 16.643 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037026.D
Acq: 16 Aug 2023 18:36

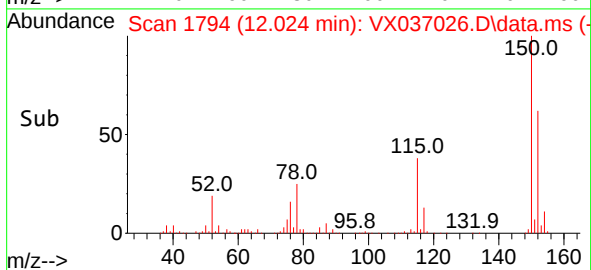
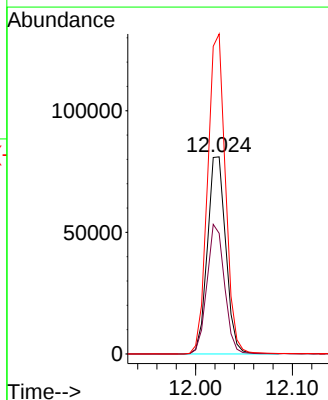
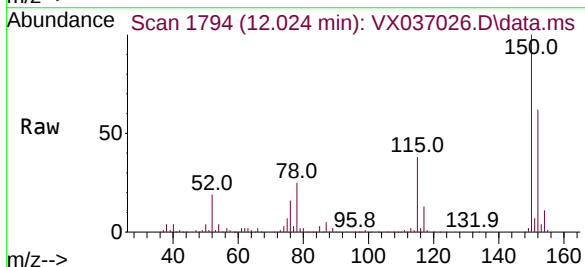
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20230815

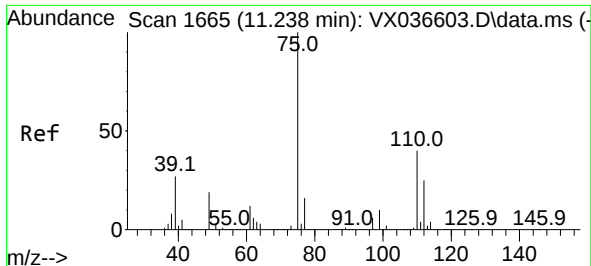
Tgt Ion:164	Resp:	28746
Ion	Ratio	Lower Upper
164	100	
166	130.0	102.7 154.1
129	100.9	80.4 120.6
131	97.9	76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037026.D
Acq: 16 Aug 2023 18:36

Tgt Ion:152	Resp:	107125
Ion	Ratio	Lower Upper
152	100	
115	63.0	43.3 129.9
150	158.1	0.0 345.0

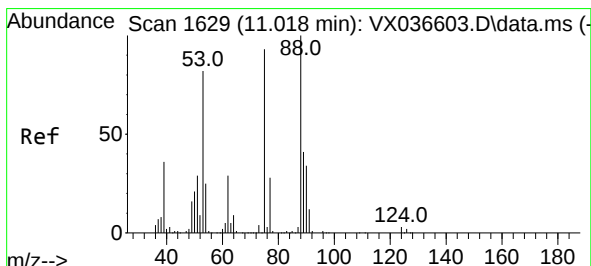
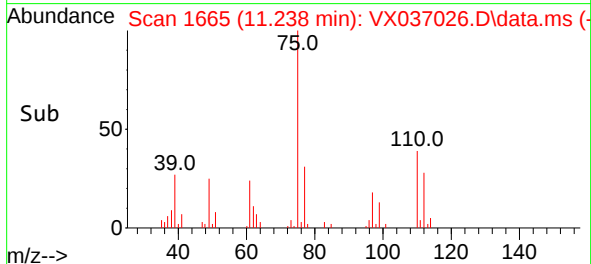
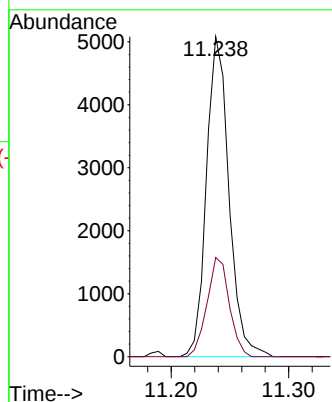
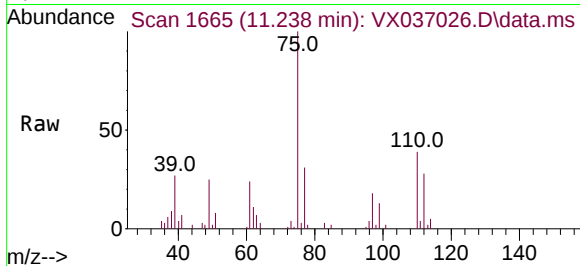




#76
1,2,3-Trichloropropane
Concen: 2.686 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX037026.D
Acq: 16 Aug 2023 18:36

Instrument :
MSVOA_X
ClientSampleId :
MW17811-20230815

Tgt Ion: 75 Resp: 6769
Ion Ratio Lower Upper
75 100
77 30.7 19.1 57.5



#81
trans-1,4-Dichloro-2-butene
Concen: 54.820 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037026.D
Acq: 16 Aug 2023 18:36

Tgt Ion: 75 Resp: 60942
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

