

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111522\
 Data File : VX032830.D
 Acq On : 15 Nov 2022 18:07
 Operator : JC/MD
 Sample : N5614-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-25

Quant Time: Nov 16 03:35:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

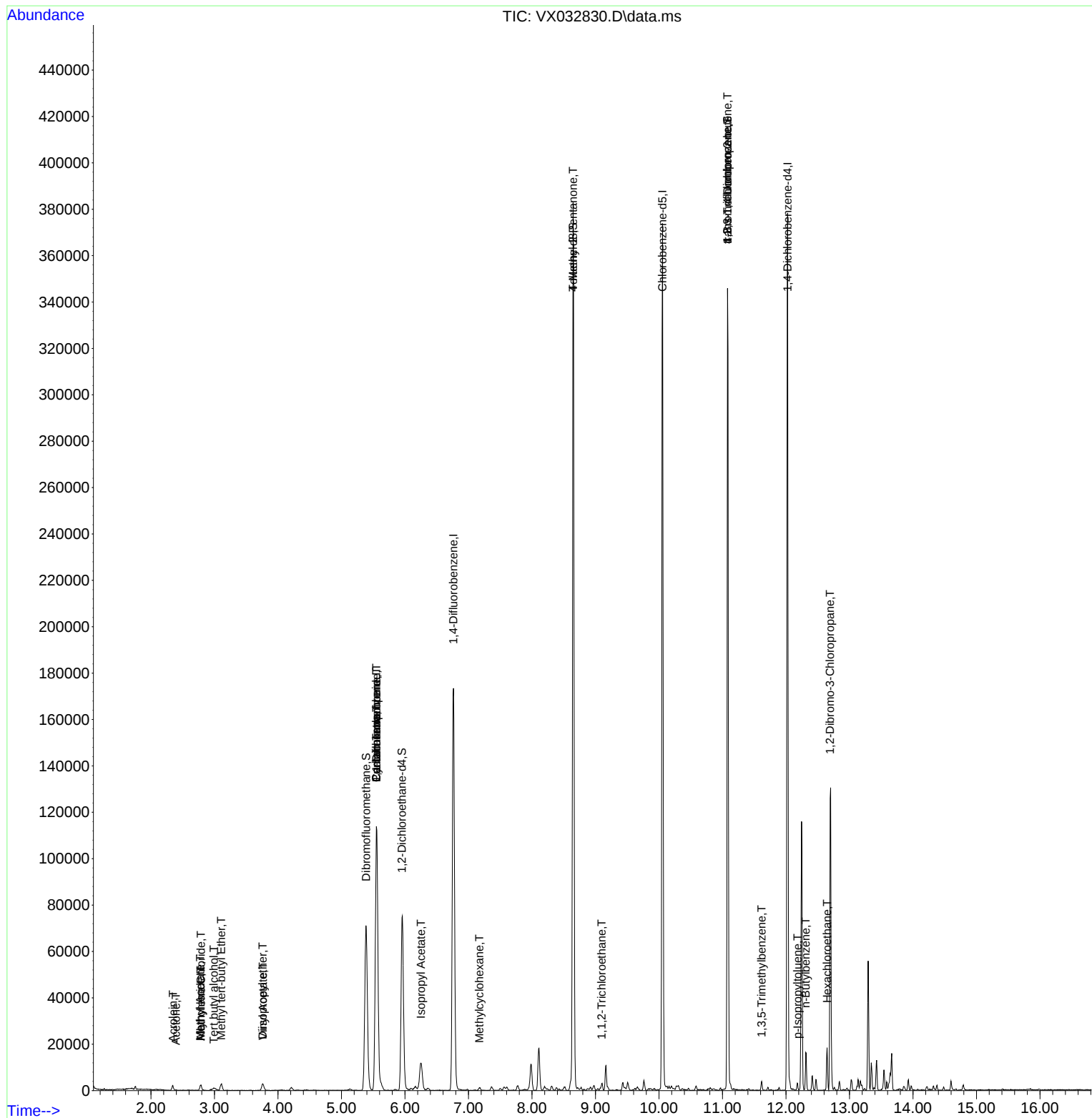
Internal Standards						
1) Pentafluorobenzene	5.550	168	108426	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	180316	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	165697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77694	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75851	50.347	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.700%	
35) Dibromofluoromethane	5.385	113	61164	47.554	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.100%	
50) Toluene-d8	8.647	98	225710	50.467	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.940%	
62) 4-Bromofluorobenzene	11.079	95	87241	49.936	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.880%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.989	59	2339	10.667	ug/l #	72
13) Acrolein	2.349	56	174	0.795	ug/l #	27
14) Allyl chloride	2.782	41	670	0.387	ug/l #	63
16) Acetone	2.392	43	384	0.701	ug/l #	45
18) Methyl Acetate	2.776	43	1544	0.867	ug/l #	51
19) Methyl tert-butyl Ether	3.105	73	1208	0.316	ug/l #	1
20) Methylene Chloride	2.788	84	280	0.223	ug/l #	63
22) Diisopropyl ether	3.758	45	3041	0.811	ug/l #	83
23) Vinyl Acetate	3.764	43	1597	0.527	ug/l #	72
31) Cyclohexane	5.550	56	2443	1.337	ug/l #	38
36) 1,1-Dichloropropene	5.550	75	8280	4.623	ug/l #	50
38) Carbon Tetrachloride	5.550	117	11085	5.580	ug/l #	15
39) Methylcyclohexane	7.172	83	523	0.247	ug/l	92
43) Isopropyl Acetate	6.251	43	2928	1.023	ug/l #	61
51) 4-Methyl-2-Pentanone	8.647	43	1499	0.831	ug/l #	1
55) 1,1,2-Trichloroethane	9.098	97	1103	0.792	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	47283	27.355	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.616	105	1749	0.332	ug/l	77
81) trans-1,4-Dichloro-2-b...	11.079	75	47283	87.044	ug/l #	6
86) p-Isopropyltoluene	12.183	119	1630	0.304	ug/l	96
89) n-Butylbenzene	12.311	91	1720	0.369	ug/l #	1
90) Hexachloroethane	12.646	117	6187	7.062	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	12.695	75	1051	2.426	ug/l #	1

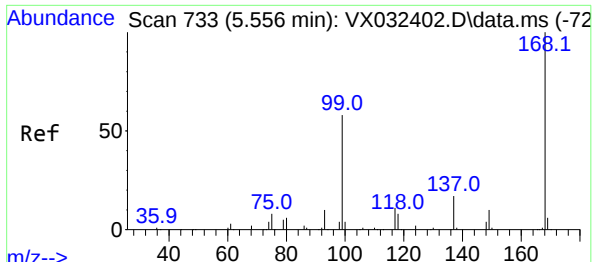
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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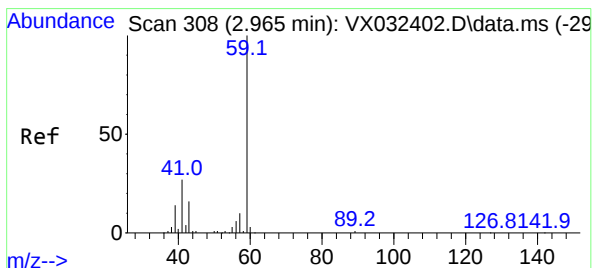
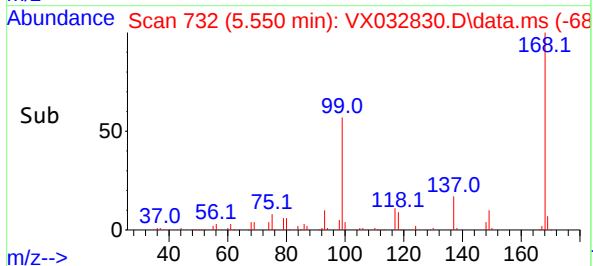
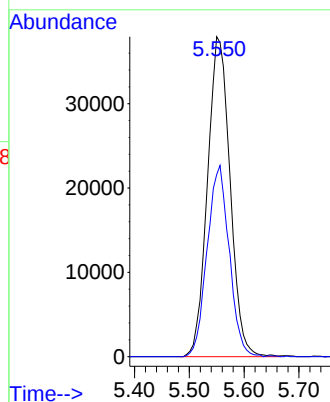
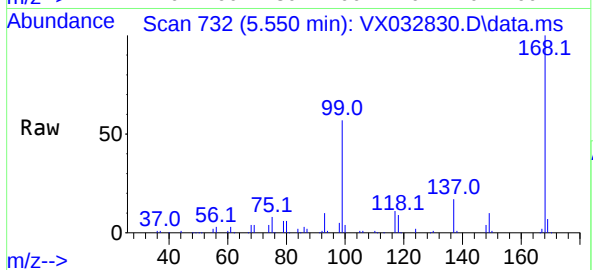




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

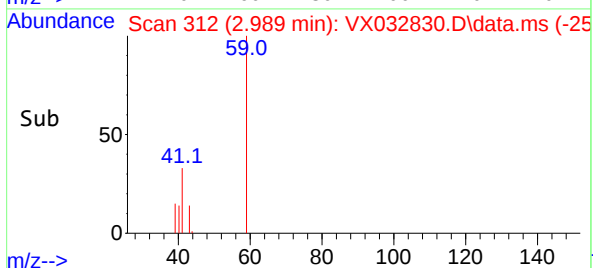
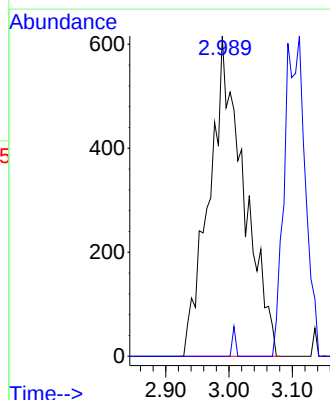
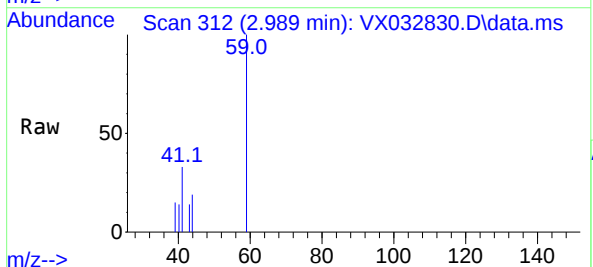
Instrument :
MSVOA_X
ClientSampleId :
MW-25

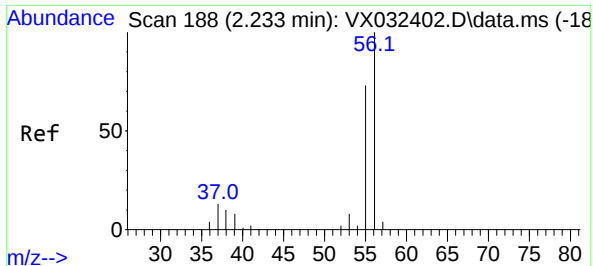
Tgt Ion:168 Resp: 108426
Ion Ratio Lower Upper
168 100
99 56.9 46.1 69.1



#11
Tert butyl alcohol
Concen: 10.667 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.025 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

Tgt Ion: 59 Resp: 2339
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

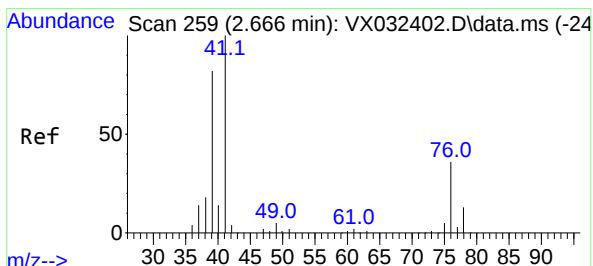
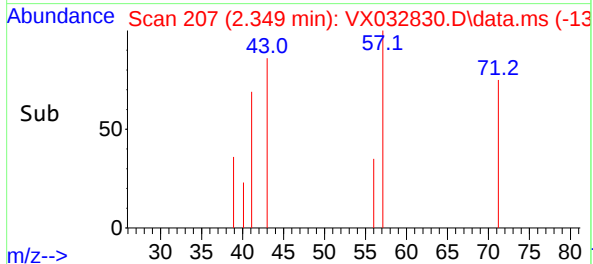
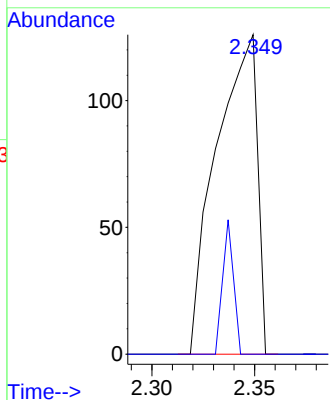
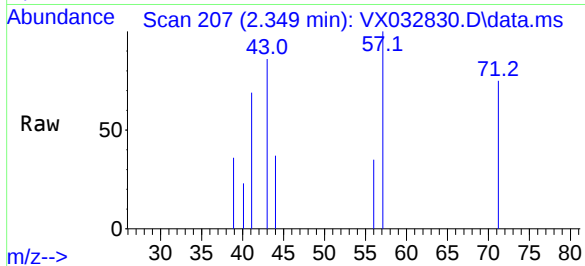




#13
Acrolein
Concen: 0.795 ug/l
RT: 2.349 min Scan# 20
Delta R.T. 0.116 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

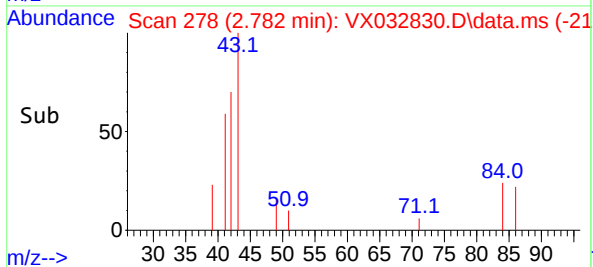
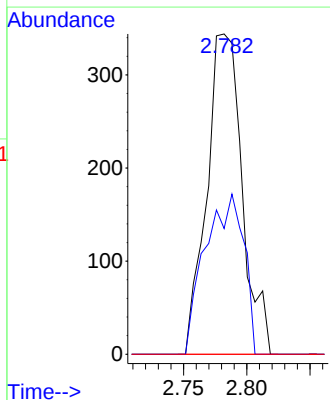
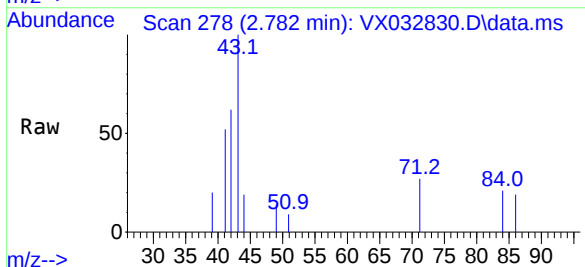
Instrument :
MSVOA_X
ClientSampleId :
MW-25

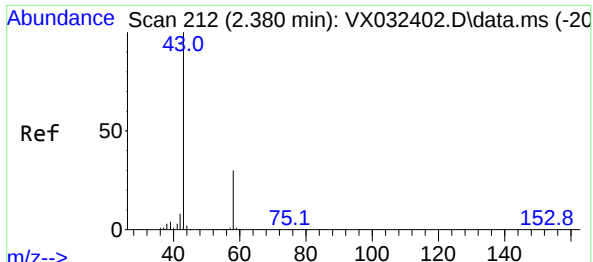
Tgt Ion: 56 Resp: 174
Ion Ratio Lower Upper
56 100
55 10.9 56.9 85.3#



#14
Allyl chloride
Concen: 0.387 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.116 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

Tgt Ion: 41 Resp: 670
Ion Ratio Lower Upper
41 100
39 54.5 61.4 92.2#
76 0.0 29.2 43.8#

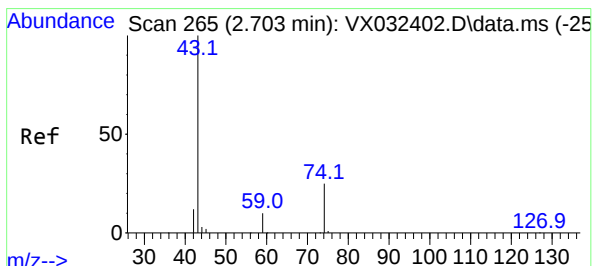
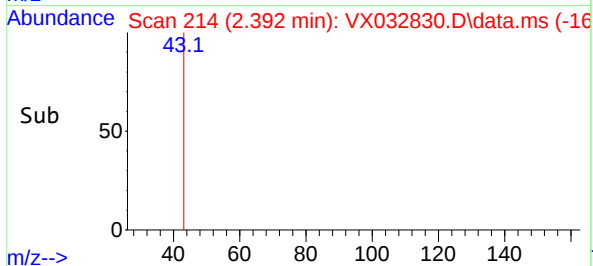
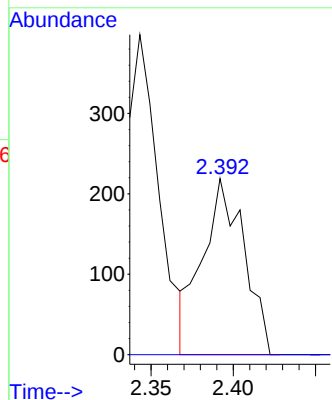
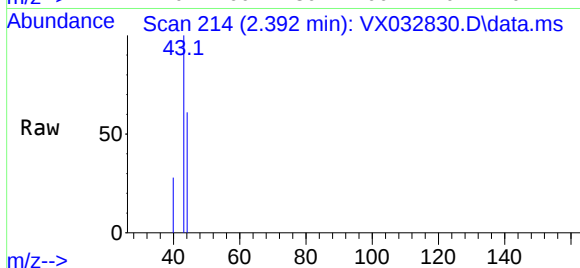




#16
Acetone
Concen: 0.701 ug/l
RT: 2.392 min Scan# 212
Delta R.T. 0.012 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

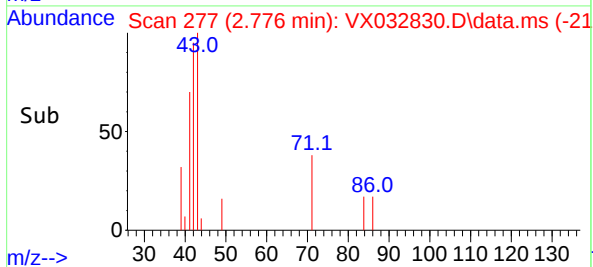
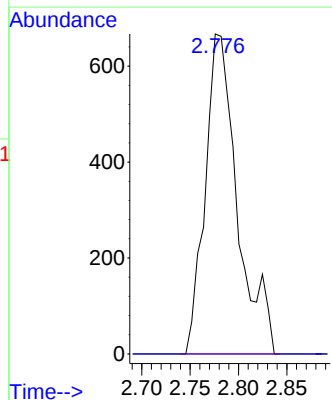
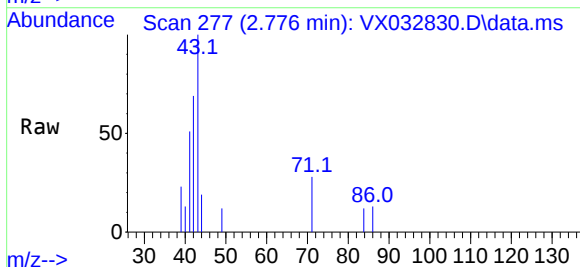
Instrument :
MSVOA_X
ClientSampleId :
MW-25

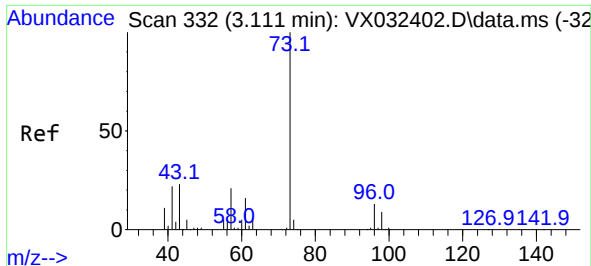
Tgt Ion: 43 Resp: 384
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#



#18
Methyl Acetate
Concen: 0.867 ug/l
RT: 2.776 min Scan# 277
Delta R.T. 0.073 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

Tgt Ion: 43 Resp: 1544
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.0#





#19

Methyl tert-butyl Ether

Concen: 0.316 ug/l

RT: 3.105 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX032830.D

Acq: 15 Nov 2022 18:07

Instrument :

MSVOA_X

ClientSampleId :

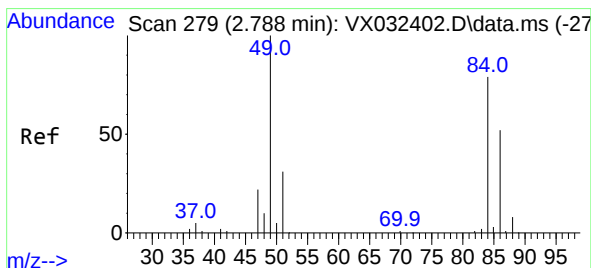
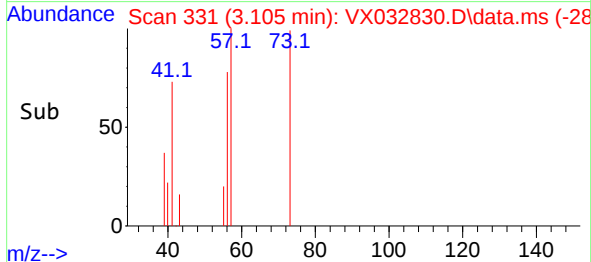
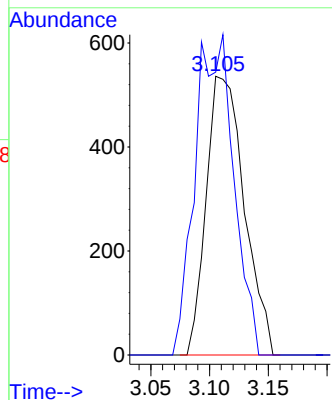
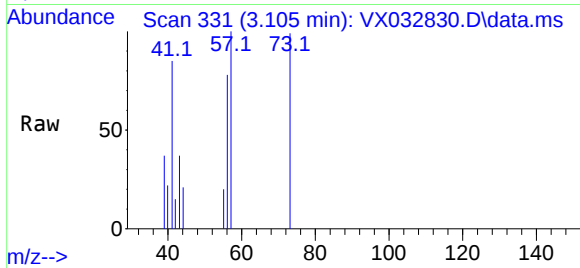
MW-25

Tgt Ion: 73 Resp: 1208

Ion Ratio Lower Upper

73 100

57 101.5 16.6 25.0#



#20

Methylene Chloride

Concen: 0.223 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX032830.D

Acq: 15 Nov 2022 18:07

Tgt Ion: 84 Resp: 280

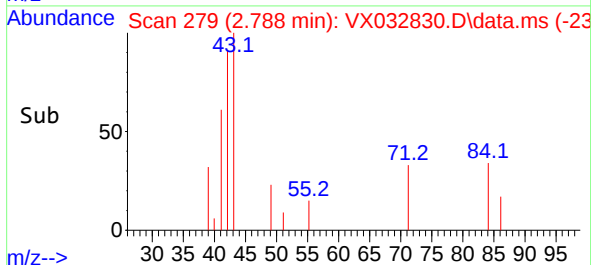
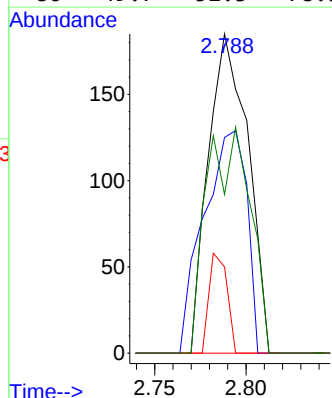
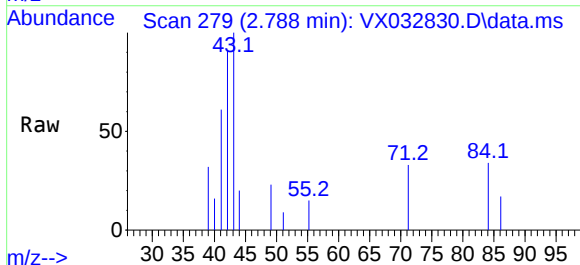
Ion Ratio Lower Upper

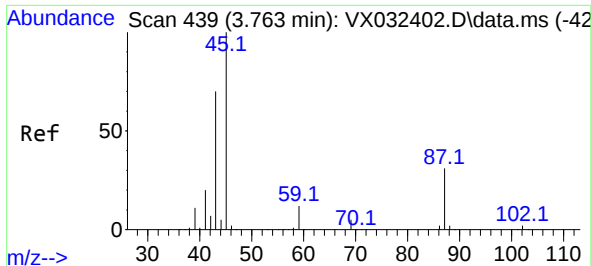
84 100

49 67.6 101.0 151.6#

51 27.0 31.1 46.7#

86 49.7 52.3 78.5#

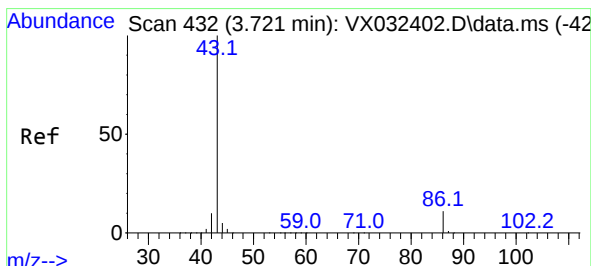
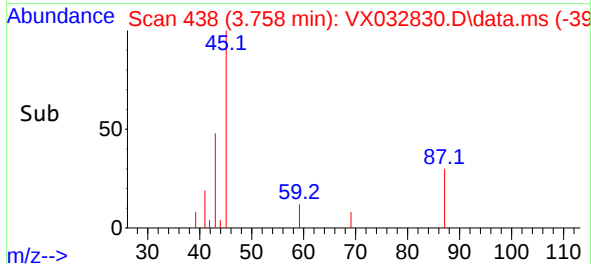
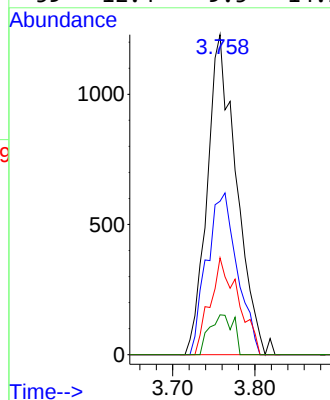
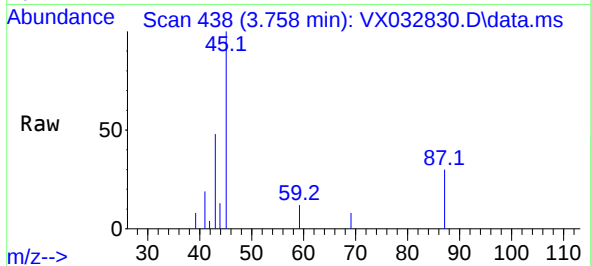




#22
Diisopropyl ether
Concen: 0.811 ug/l
RT: 3.758 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

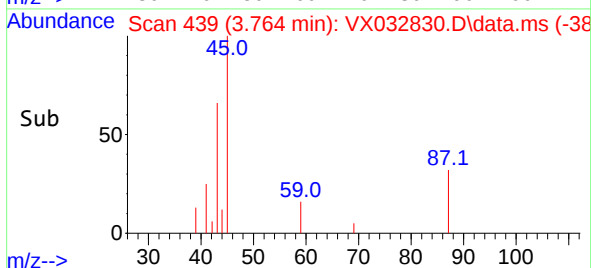
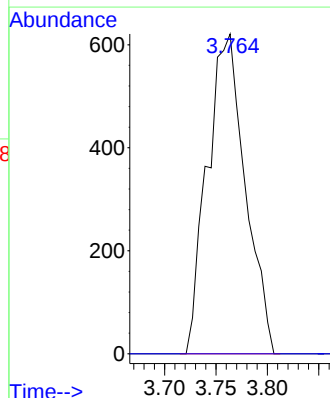
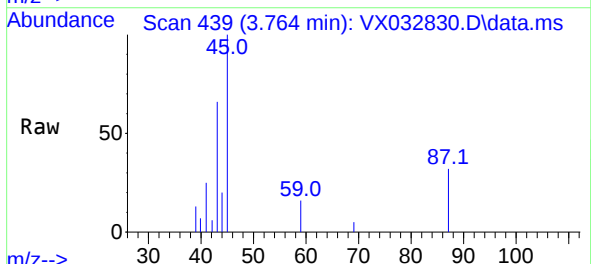
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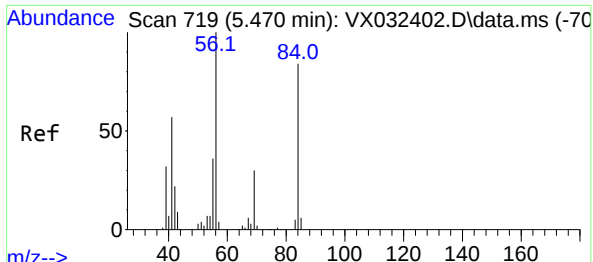
Tgt Ion:	45	Resp:	3041
Ion	Ratio	Lower	Upper
45	100		
43	47.9	56.4	84.6#
87	30.3	24.4	36.6
59	12.4	9.5	14.3



#23
Vinyl Acetate
Concen: 0.527 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.043 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

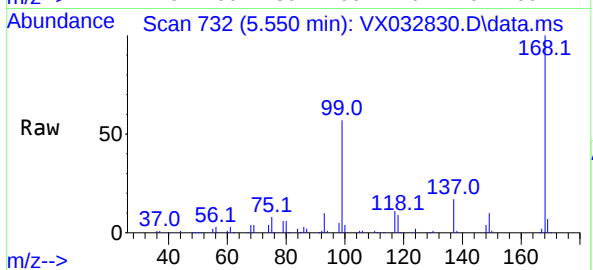
Tgt Ion:	43	Resp:	1597
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#



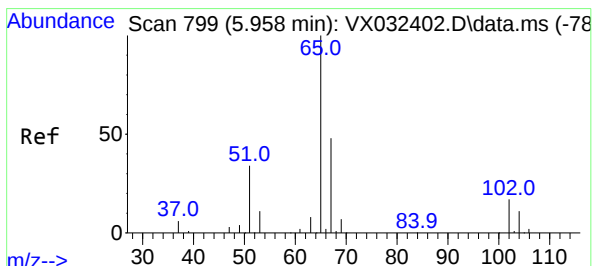
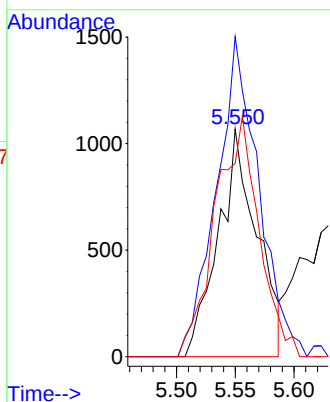
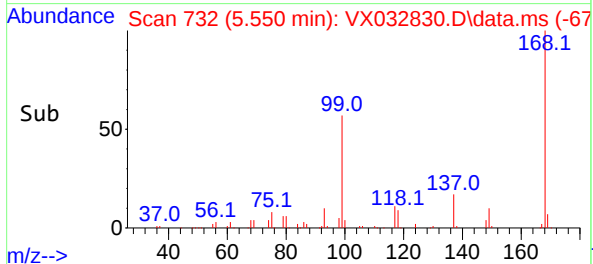


#31
Cyclohexane
Concen: 1.337 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

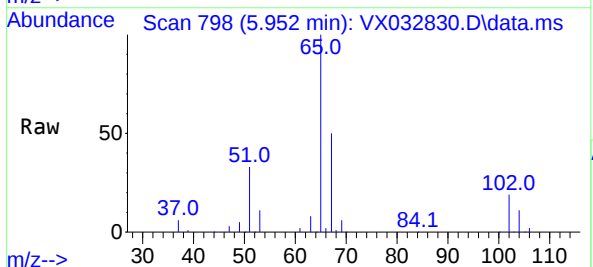
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MW-25



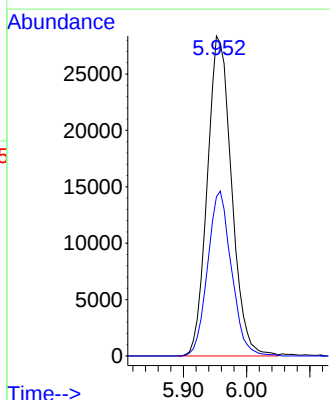
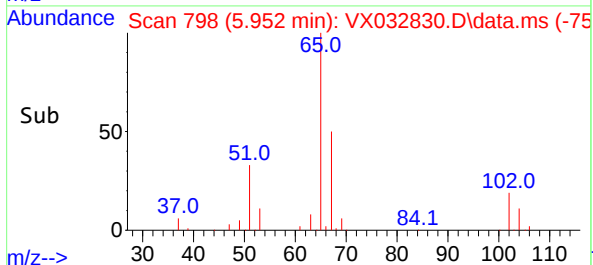
Tgt Ion: 56 Resp: 2443
Ion Ratio Lower Upper
56 100
69 140.5 24.1 36.1#
84 93.4 66.9 100.3

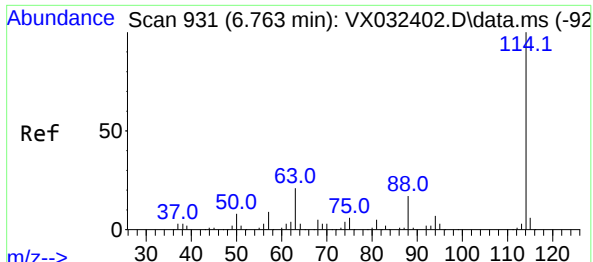


#33
1,2-Dichloroethane-d4
Concen: 50.347 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07



Tgt Ion: 65 Resp: 75851
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.8

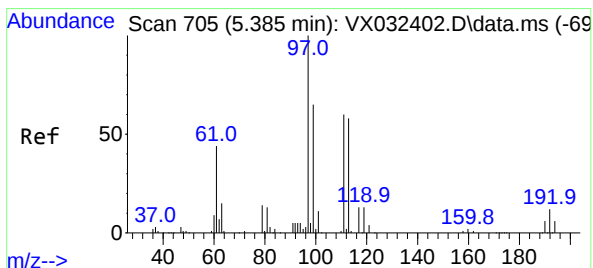
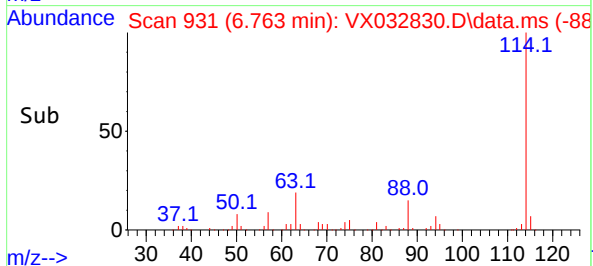
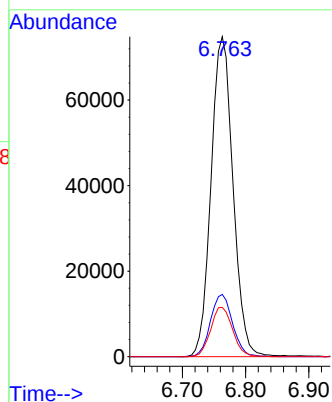
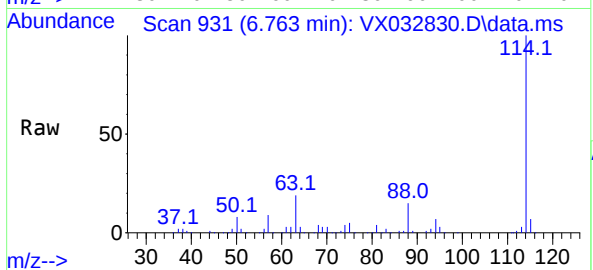




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

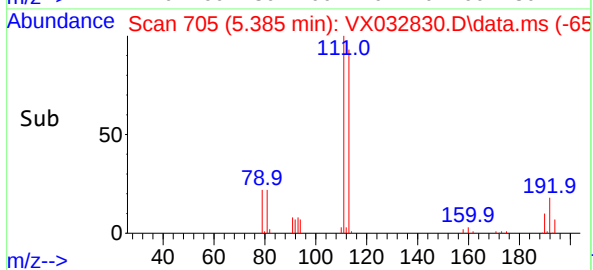
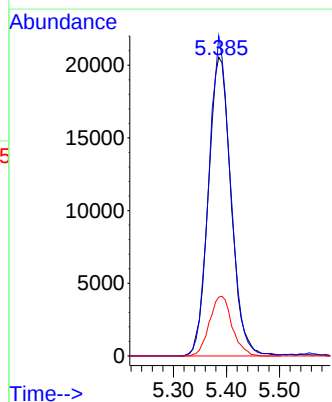
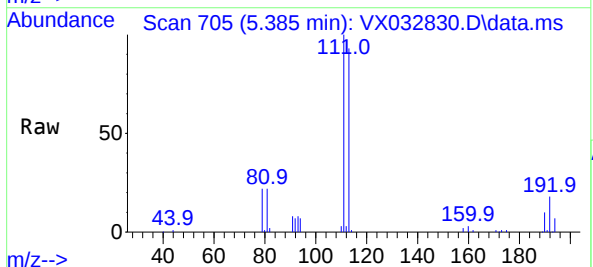
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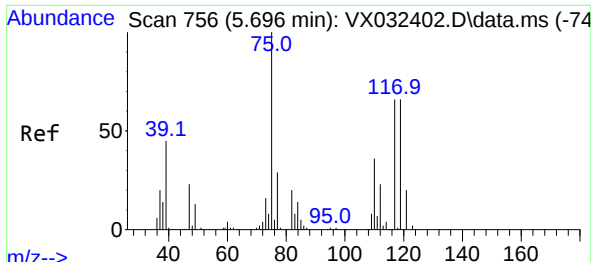
Tgt Ion:114 Resp: 180316
Ion Ratio Lower Upper
114 100
63 19.5 0.0 41.6
88 15.4 0.0 33.4



#35
Dibromofluoromethane
Concen: 47.554 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

Tgt Ion:113 Resp: 61164
Ion Ratio Lower Upper
113 100
111 102.0 82.4 123.6
192 19.9 15.4 23.2

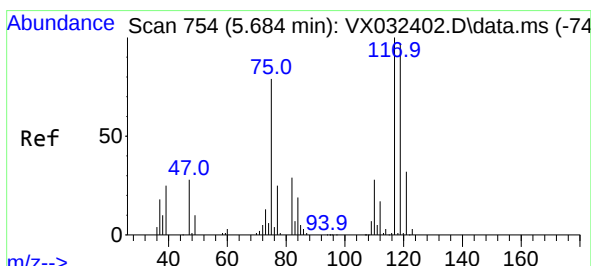
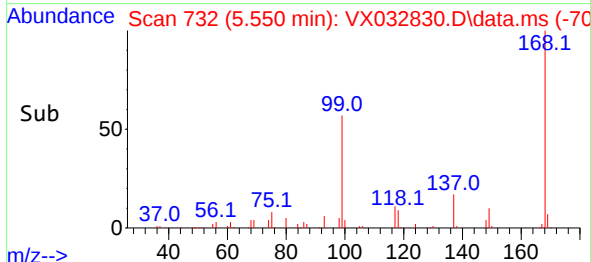
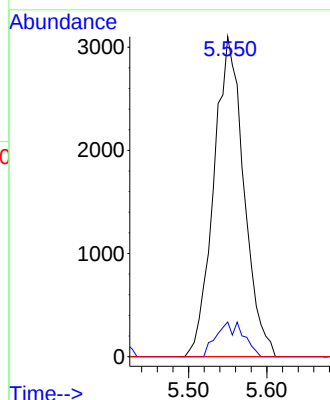
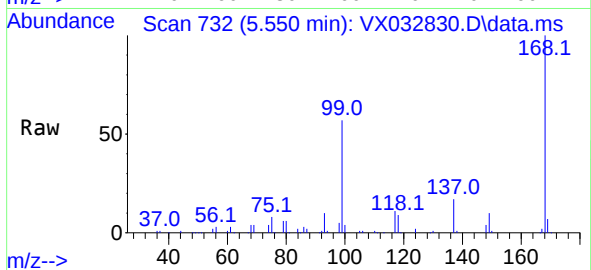




#36
1,1-Dichloropropene
Concen: 4.623 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

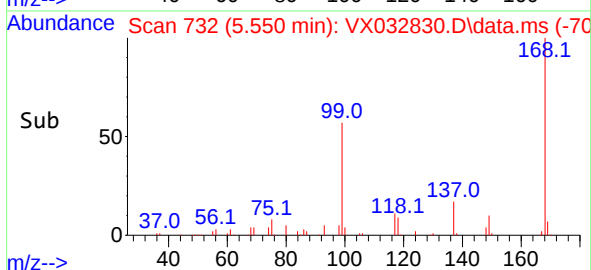
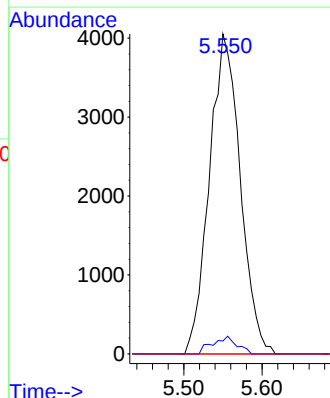
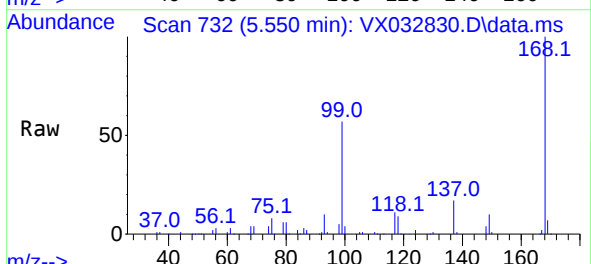
Instrument :
MSVOA_X
ClientSampleId :
MW-25

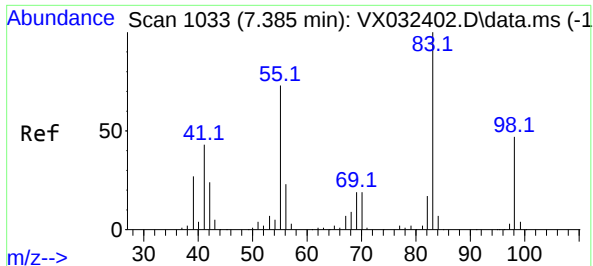
Tgt Ion: 75 Resp: 8280
Ion Ratio Lower Upper
75 100
110 9.8 18.4 55.2#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 5.580 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

Tgt Ion: 117 Resp: 11085
Ion Ratio Lower Upper
117 100
119 4.0 77.2 115.8#
121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 0.247 ug/l

RT: 7.172 min Scan# 91

Delta R.T. -0.213 min

Lab File: VX032830.D

Acq: 15 Nov 2022 18:07

Instrument :

MSVOA_X

ClientSampleId :

MW-25

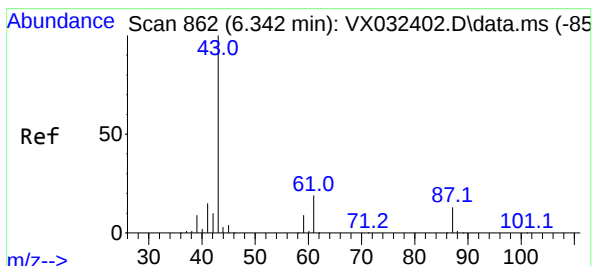
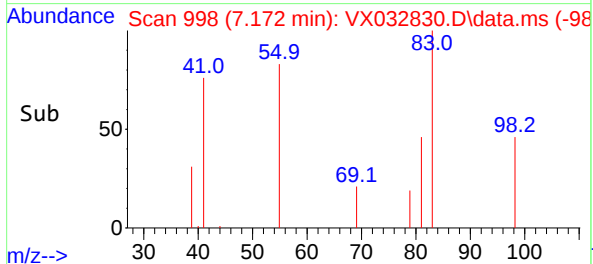
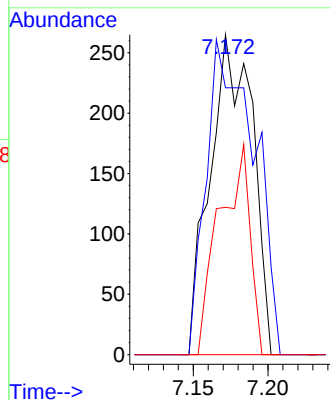
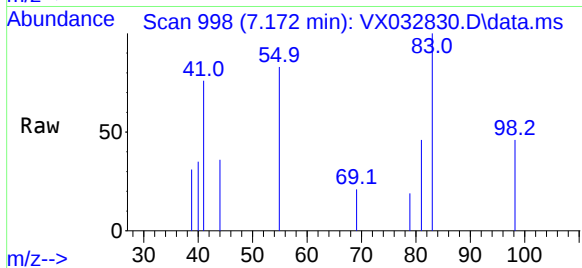
Tgt Ion: 83 Resp: 523

Ion Ratio Lower Upper

83 100

55 83.4 58.4 87.6

98 46.0 37.2 55.8



#43

Isopropyl Acetate

Concen: 1.023 ug/l

RT: 6.251 min Scan# 847

Delta R.T. -0.091 min

Lab File: VX032830.D

Acq: 15 Nov 2022 18:07

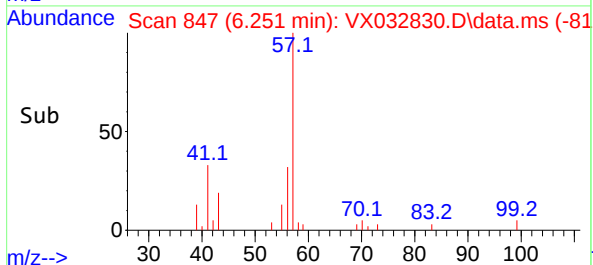
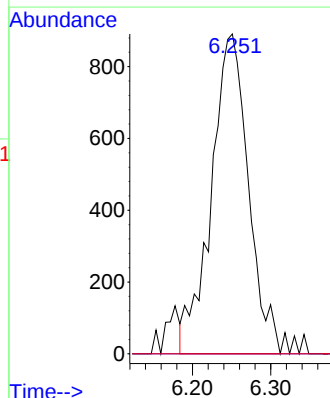
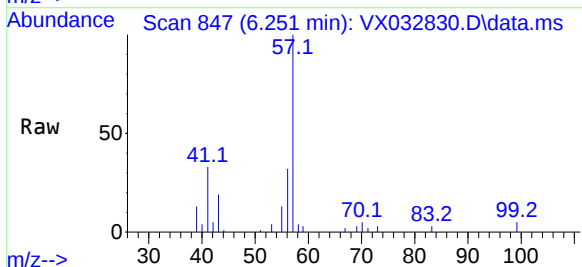
Tgt Ion: 43 Resp: 2928

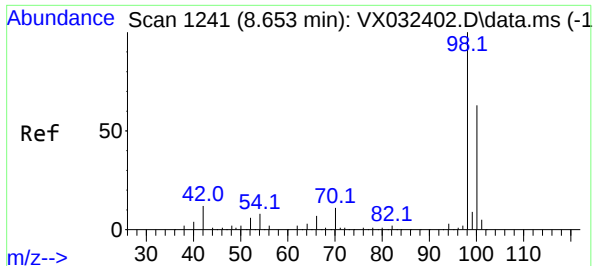
Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

87 0.0 10.8 16.2#

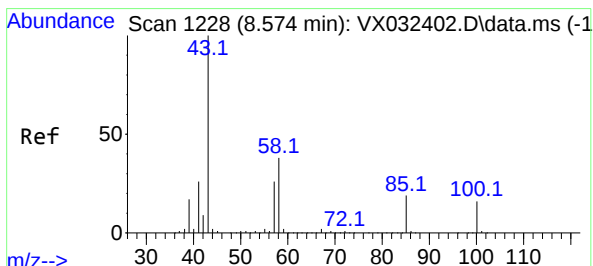
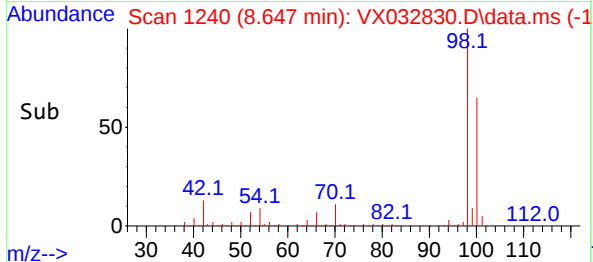
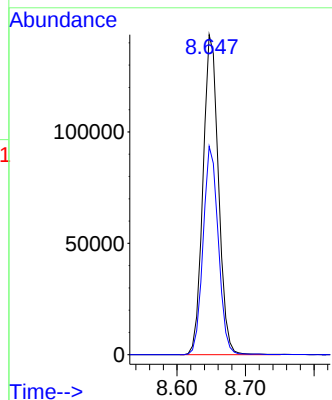
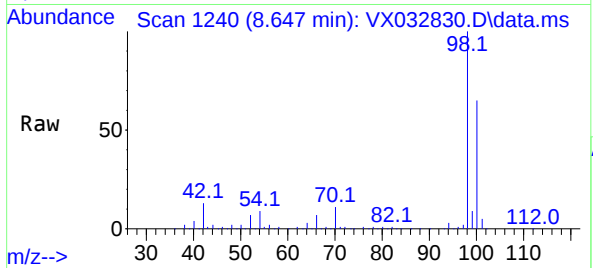




#50
Toluene-d8
Concen: 50.467 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

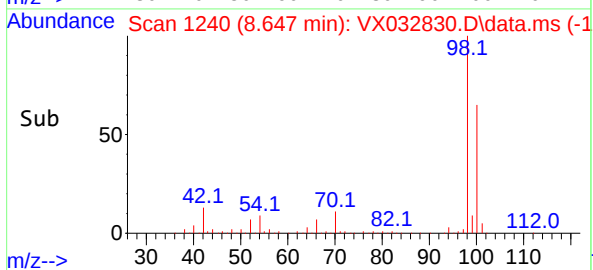
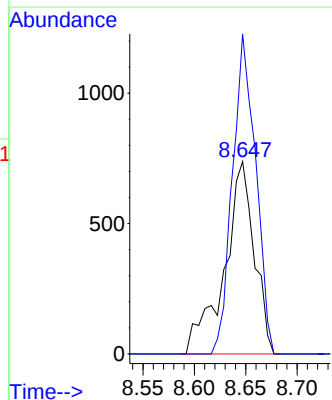
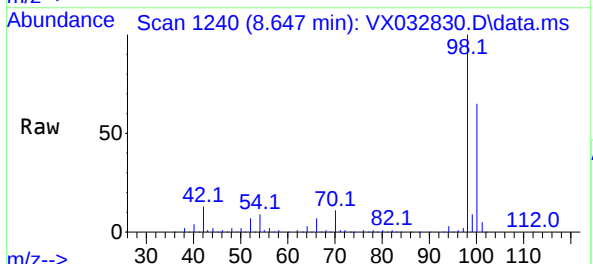
Instrument :
MSVOA_X
ClientSampleId :
MW-25

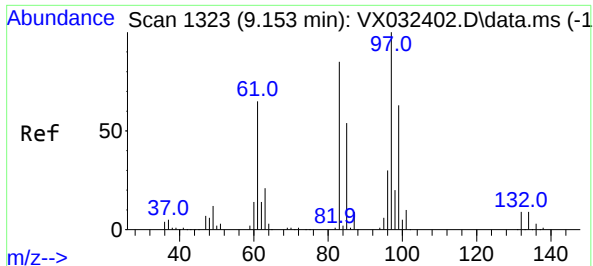
Tgt Ion: 98 Resp: 225710
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.831 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

Tgt Ion: 43 Resp: 1499
Ion Ratio Lower Upper
43 100
58 128.6 30.9 46.3#

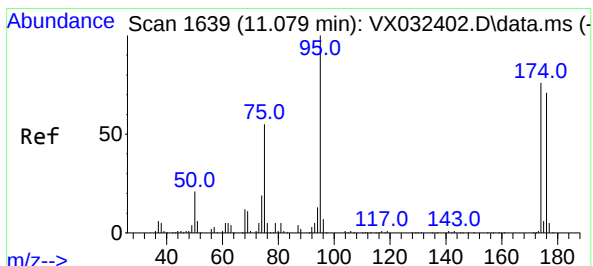
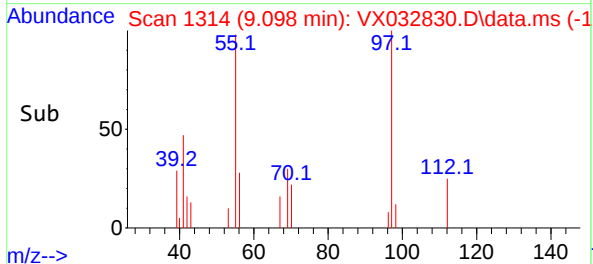
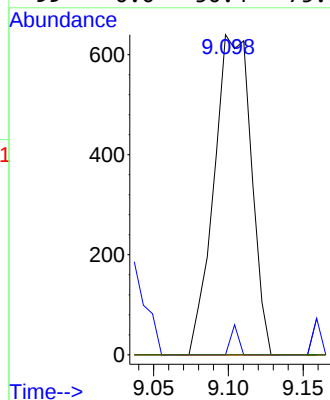
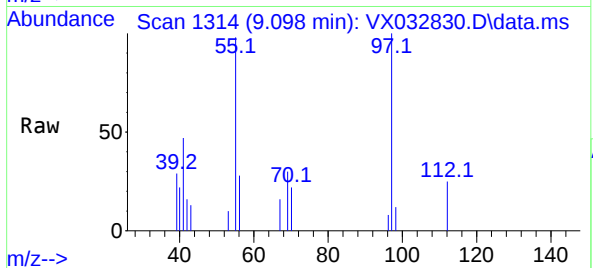




#55
1,1,2-Trichloroethane
Concen: 0.792 ug/l
RT: 9.098 min Scan# 1103
Delta R.T. -0.055 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

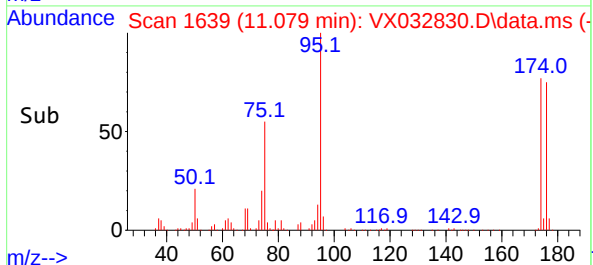
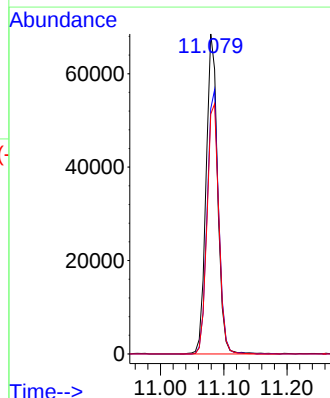
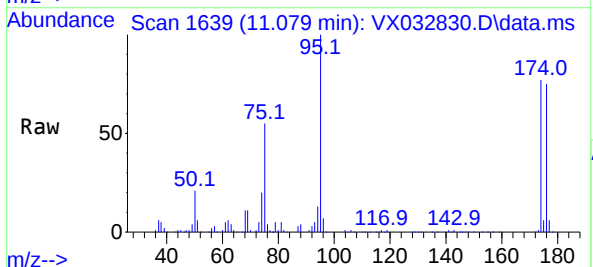
Instrument :
MSVOA_X
ClientSampleId :
MW-25

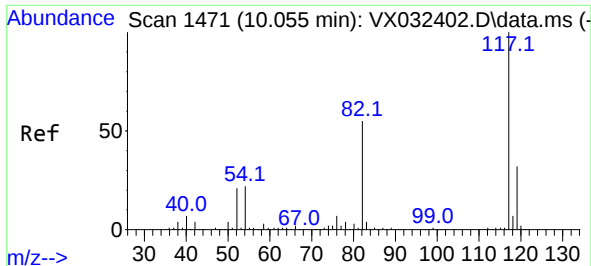
Tgt Ion: 97	Resp: 1103
Ion Ratio	Lower Upper
97 100	
83 0.0	68.1 102.1#
85 0.0	43.3 64.9#
99 0.0	50.4 75.6#



#62
4-Bromofluorobenzene
Concen: 49.936 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

Tgt Ion: 95	Resp:	87241	
Ion	Ratio	Lower	Upper
95	100		
174	82.8	0.0	164.0
176	79.8	0.0	154.4

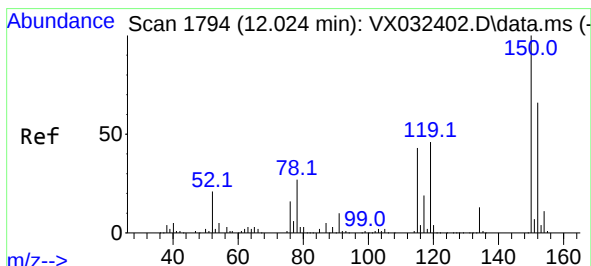
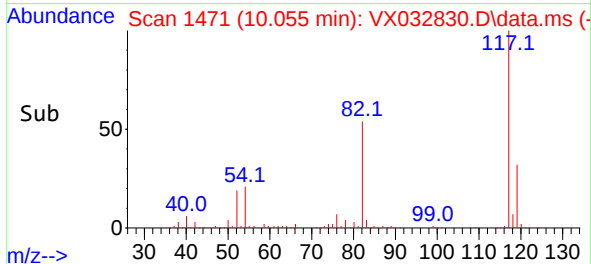
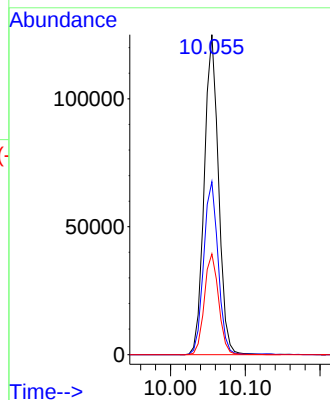
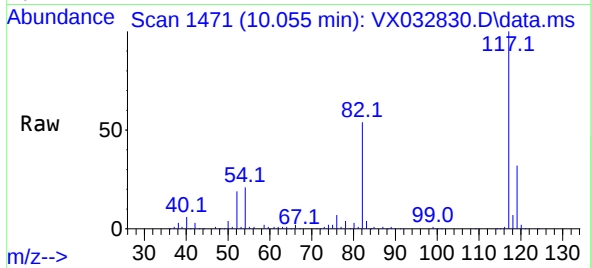




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

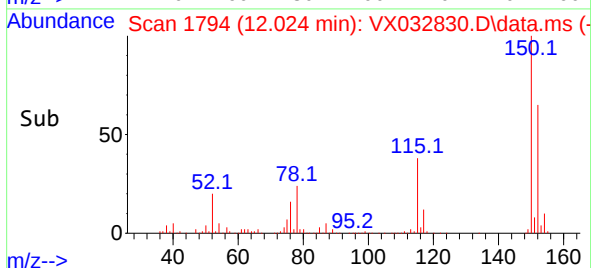
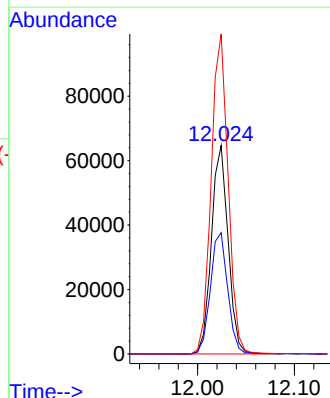
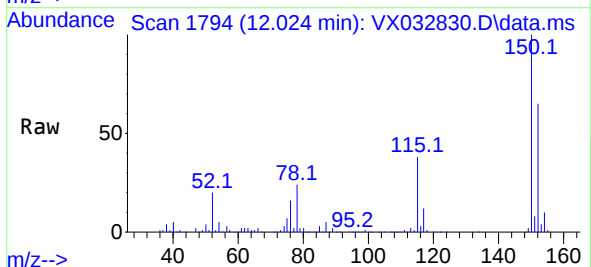
Instrument :
MSVOA_X
ClientSampleId :
MW-25

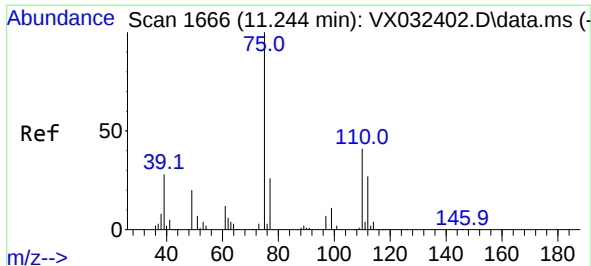
Tgt Ion:117 Resp: 165697
Ion Ratio Lower Upper
117 100
82 54.0 44.3 66.5
119 31.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

Tgt Ion:152 Resp: 77694
Ion Ratio Lower Upper
152 100
115 60.4 44.0 132.0
150 156.1 0.0 351.8

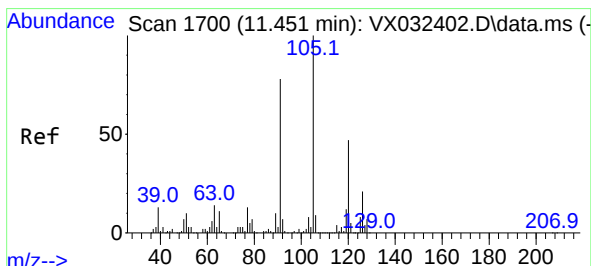
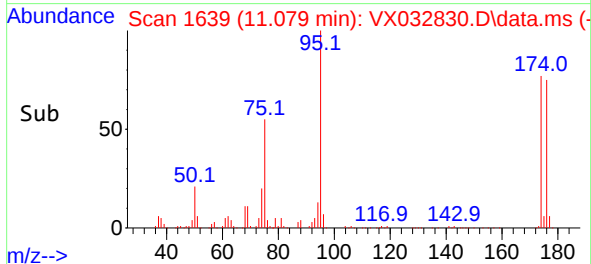
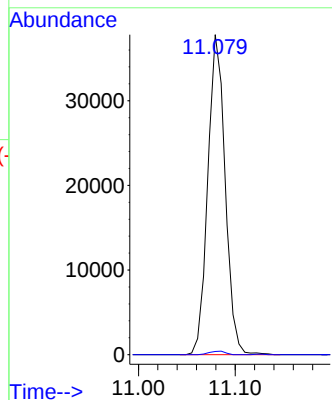
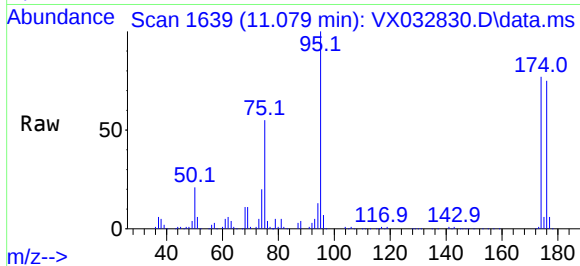




#76
1,2,3-Trichloropropane
Concen: 27.355 ug/l
RT: 11.079 min Scan# 110
Delta R.T. -0.164 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

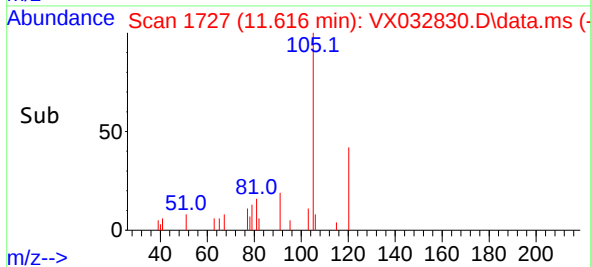
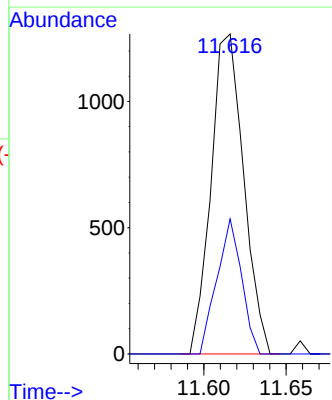
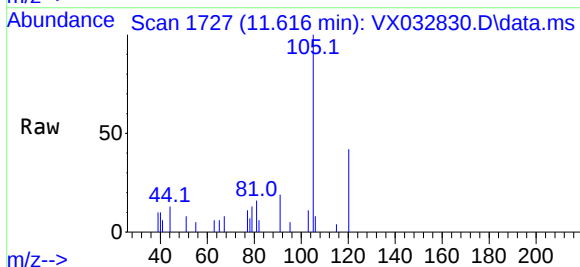
Instrument :
MSVOA_X
ClientSampleId :
MW-25

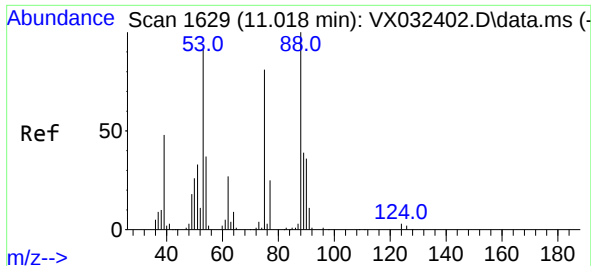
Tgt Ion: 75 Resp: 47283
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.332 ug/l
RT: 11.616 min Scan# 1727
Delta R.T. 0.165 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

Tgt Ion: 105 Resp: 1749
Ion Ratio Lower Upper
105 100
120 31.8 23.6 71.0

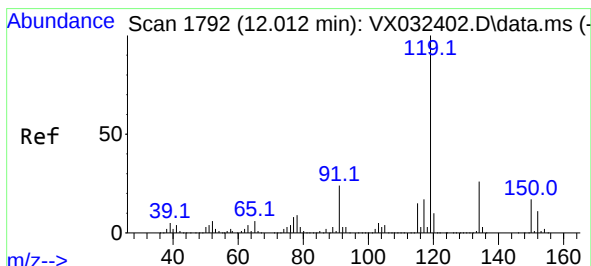
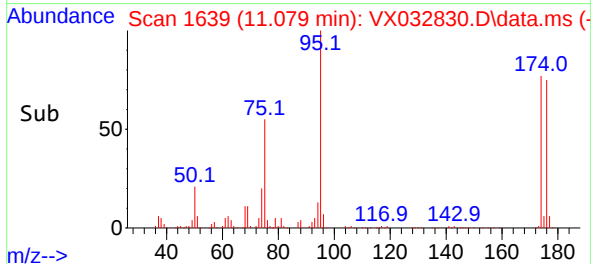
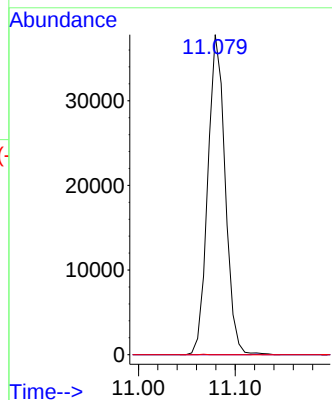
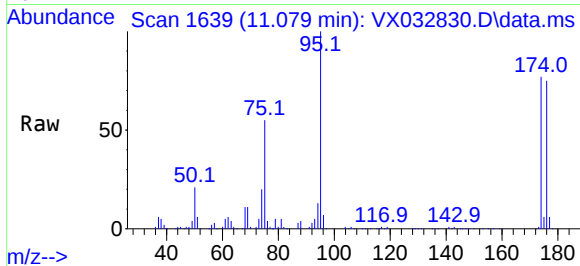




#81
trans-1,4-Dichloro-2-butene
Concen: 87.044 ug/l
RT: 11.079 min Scan# 110
Delta R.T. 0.061 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

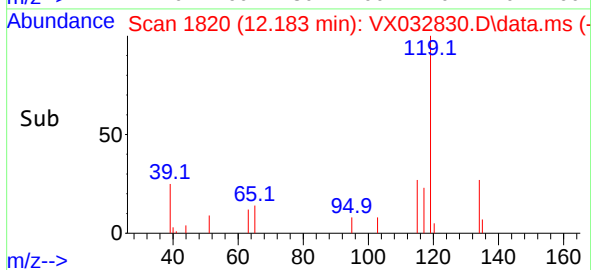
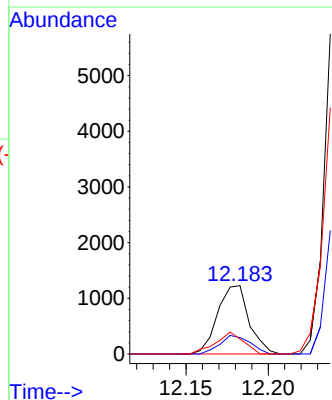
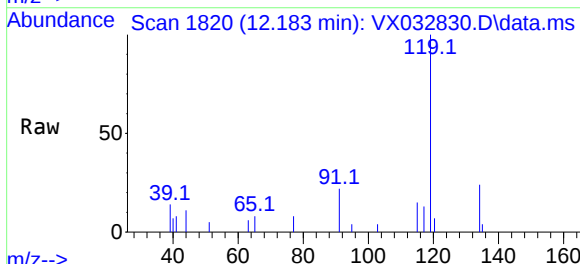
Instrument :
MSVOA_X
ClientSampleId :
MW-25

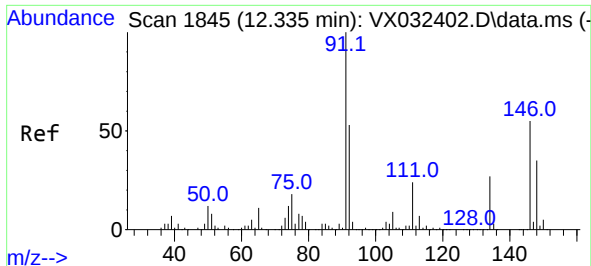
Tgt Ion: 75 Resp: 47283
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



#86
p-Isopropyltoluene
Concen: 0.304 ug/l
RT: 12.183 min Scan# 1820
Delta R.T. 0.171 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

Tgt Ion: 119 Resp: 1630
Ion Ratio Lower Upper
119 100
134 26.1 12.9 38.7
91 28.3 12.5 37.5

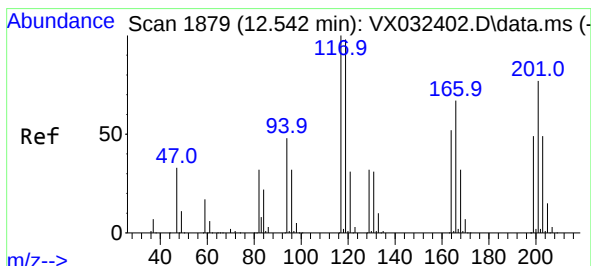
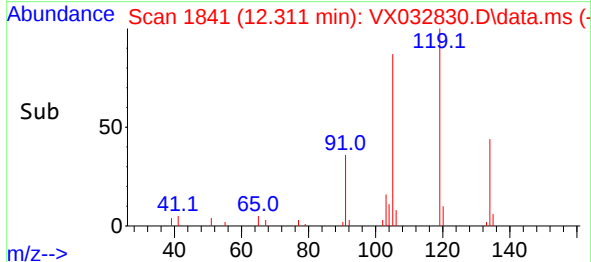
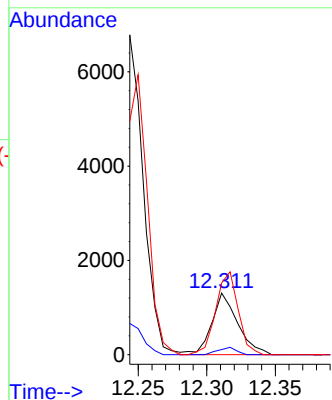
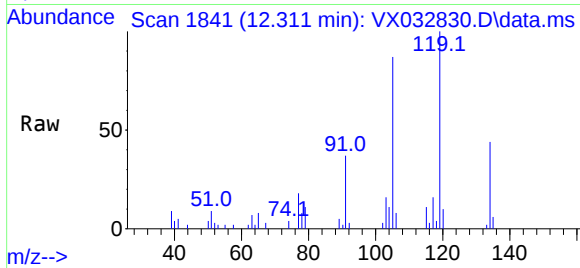




#89
n-Butylbenzene
Concen: 0.369 ug/l
RT: 12.311 min Scan# 1191
Delta R.T. -0.024 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

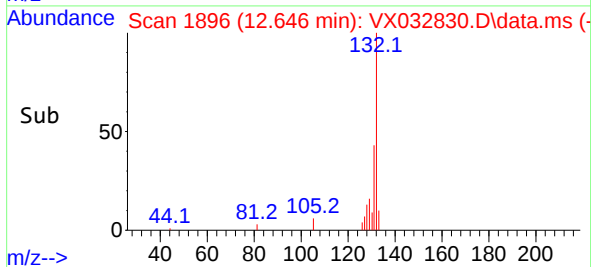
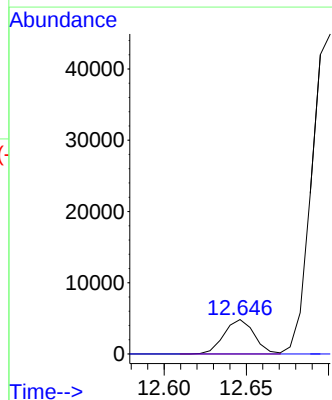
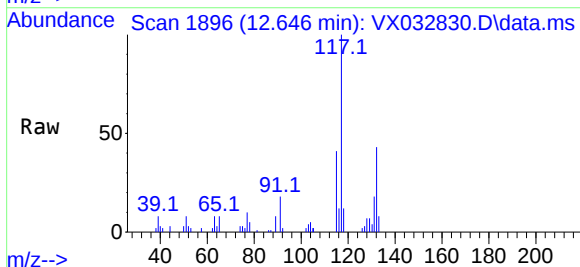
Instrument :
MSVOA_X
ClientSampleId :
MW-25

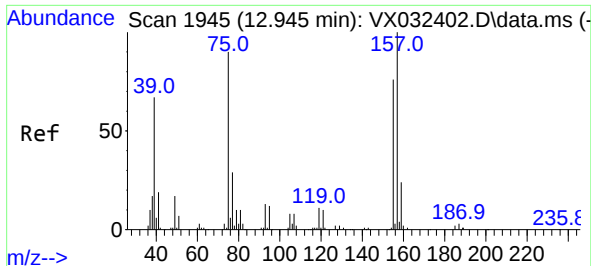
Tgt Ion: 91 Resp: 1720
Ion Ratio Lower Upper
91 100
92 8.4 26.2 78.6#
134 115.9 12.9 38.6#



#90
Hexachloroethane
Concen: 7.062 ug/l
RT: 12.646 min Scan# 1896
Delta R.T. 0.104 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

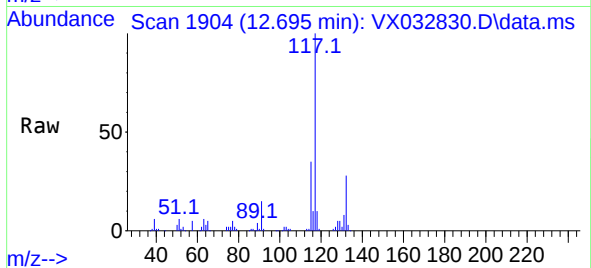
Tgt Ion: 117 Resp: 6187
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#





#92
1,2-Dibromo-3-Chloropropane
Concen: 2.426 ug/l
RT: 12.695 min Scan# 1904
Delta R.T. -0.250 min
Lab File: VX032830.D
Acq: 15 Nov 2022 18:07

Instrument :
MSVOA_X
ClientSampleId :
MW-25



Tgt Ion: 75 Resp: 1051
Ion Ratio Lower Upper
75 100
155 0.0 41.6 124.8#
157 0.0 54.1 162.4#

