

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080823\
 Data File : VX036874.D
 Acq On : 08 Aug 2023 19:14
 Operator : JC/MD
 Sample : 03903-01ME
 Misc : 1.63g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 24 Sample Multiplier: 1

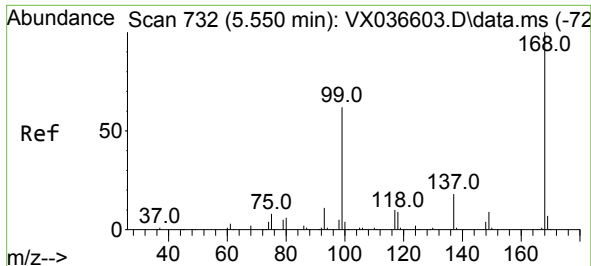
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-01ME

Quant Time: Aug 09 04:20:22 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	5.544	168	114802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	208456	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	198219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78897	46.446	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.900%		
35) Dibromofluoromethane	5.385	113	64034	44.691	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.380%		
50) Toluene-d8	8.647	98	246998	48.611	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.220%		
62) 4-Bromofluorobenzene	11.085	95	103475	53.978	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.960%		
Target Compounds						Qvalue
5) Bromomethane	1.599	94	195	0.233	ug/l #	74
11) Tert butyl alcohol	2.947	59	4099	10.193	ug/l #	78
13) Acrolein	2.233	56	96	0.418	ug/l #	1
16) Acetone	2.373	43	153	0.217	ug/l #	47
18) Methyl Acetate	2.721	43	1698	0.573	ug/l	94
20) Methylene Chloride	2.776	84	605	0.386	ug/l #	84
36) 1,1-Dichloropropene	5.538	75	9706	4.545	ug/l #	51
38) Carbon Tetrachloride	5.550	117	11832	5.211	ug/l #	15
39) Methylcyclohexane	7.367	83	2085	0.785	ug/l #	91
51) 4-Methyl-2-Pentanone	8.610	43	1742	0.757	ug/l #	37
53) t-1,3-Dichloropropene	8.909	75	2323	0.862	ug/l #	43
55) 1,1,2-Trichloroethane	9.098	97	6627	4.049	ug/l #	21
56) Ethyl methacrylate	9.092	69	1657	0.622	ug/l #	15
59) 2-Hexanone	9.384	43	6913	4.045	ug/l #	30
67) Ethyl Benzene	10.195	91	4321	0.541	ug/l	92
68) m/p-Xylenes	10.305	106	4048	1.359	ug/l	91
74) N-amyl acetate	10.854	43	5692	1.500	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.219	83	2011	0.732	ug/l #	26
76) 1,2,3-Trichloropropane	11.085	75	51863	22.431	ug/l #	39
78) n-propylbenzene	11.305	91	4061	0.432	ug/l	98
79) 2-Chlorotoluene	11.378	91	1665	0.292	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.451	105	3019	0.444	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.085	75	51863	50.842	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.750	105	10794	1.586	ug/l	97
85) sec-Butylbenzene	11.890	105	7708	0.924	ug/l #	57
89) n-Butylbenzene	12.335	91	11219	1.827	ug/l #	75
90) Hexachloroethane	12.616	117	5265	3.785	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	12.914	75	326	0.511	ug/l #	9
94) Hexachlorobutadiene	13.719	225	203	0.241	ug/l	84
95) Naphthalene	13.780	128	6552	0.922	ug/l #	91

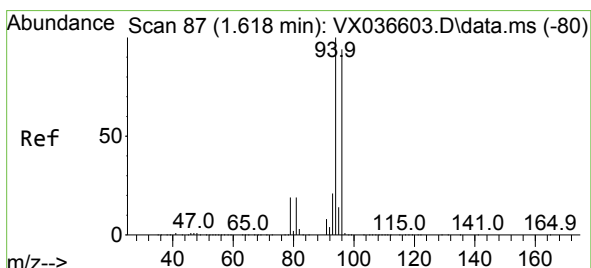
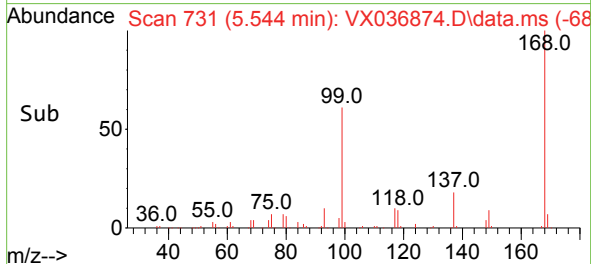
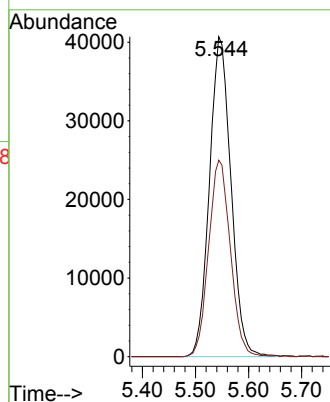
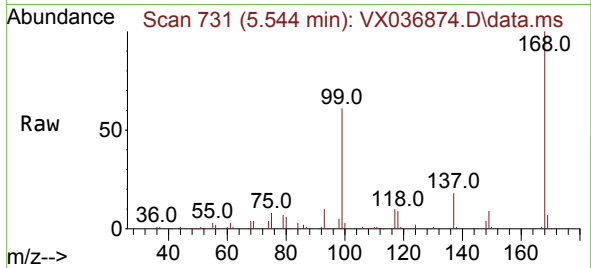
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

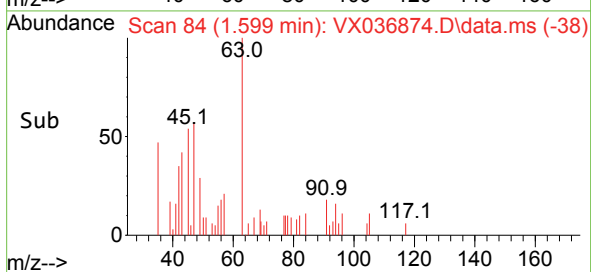
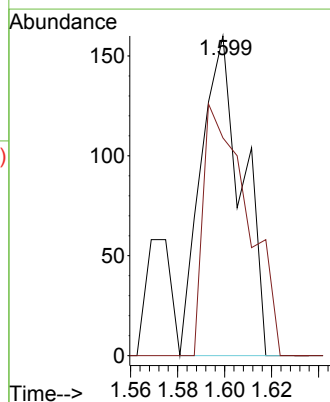
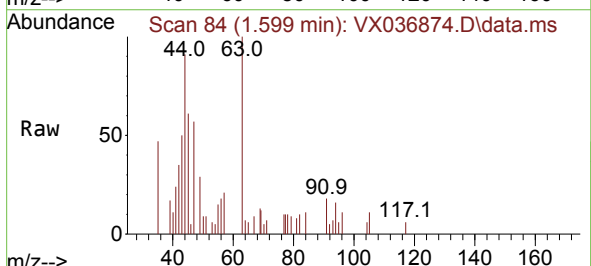
Instrument :
MSVOA_X
ClientSampleId :
MW-01ME

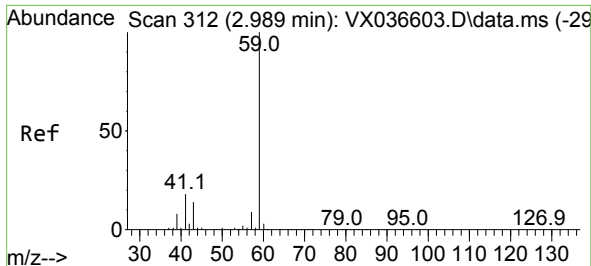
Tgt Ion:168 Resp: 114802
Ion Ratio Lower Upper
168 100
99 61.4 56.6 85.0



#5
Bromomethane
Concen: 0.233 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.018 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

Tgt Ion: 94 Resp: 195
Ion Ratio Lower Upper
94 100
96 68.1 74.6 111.8#

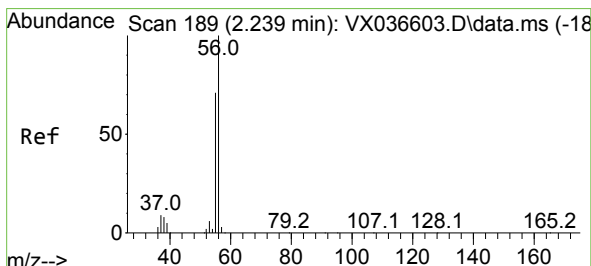
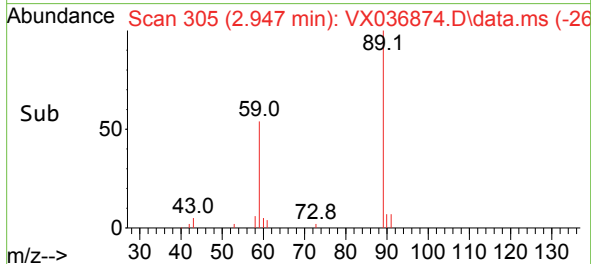
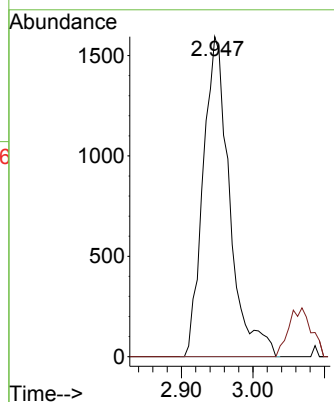
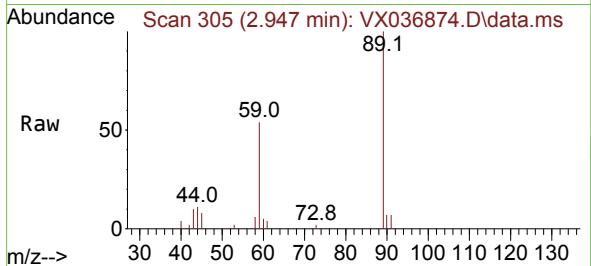




#11
Tert butyl alcohol
Concen: 10.193 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.043 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

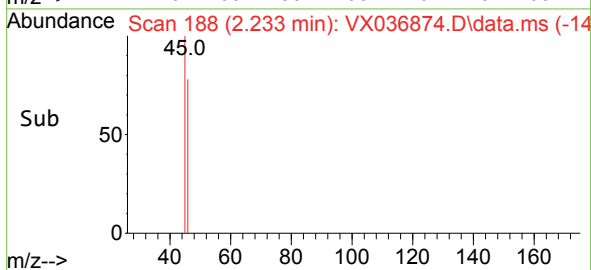
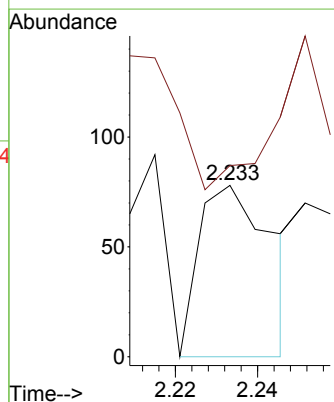
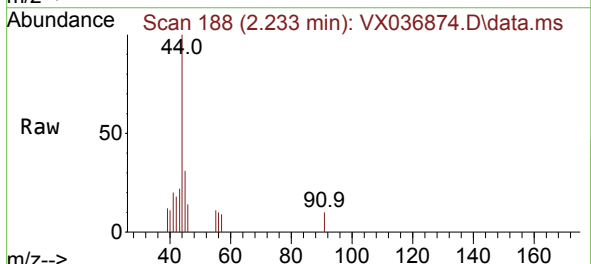
Instrument :
MSVOA_X
ClientSampleId :
MW-01ME

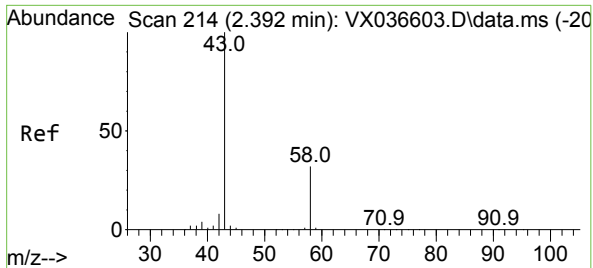
Tgt Ion: 59 Resp: 4099
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.418 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 297.9 57.1 85.7#

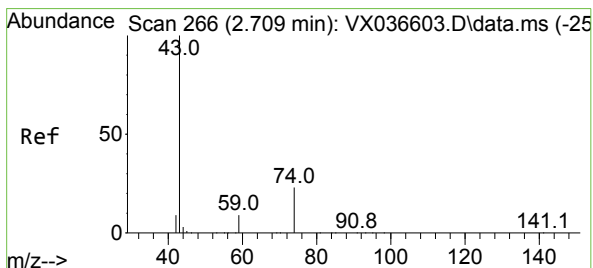
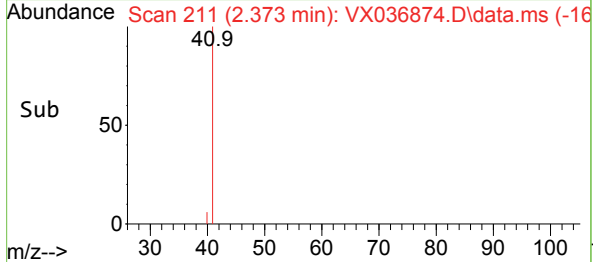
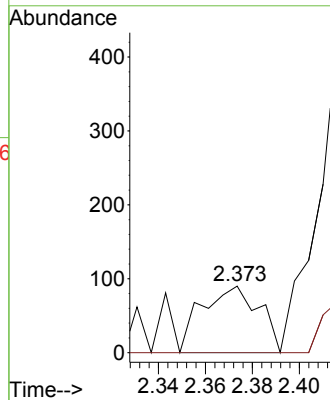
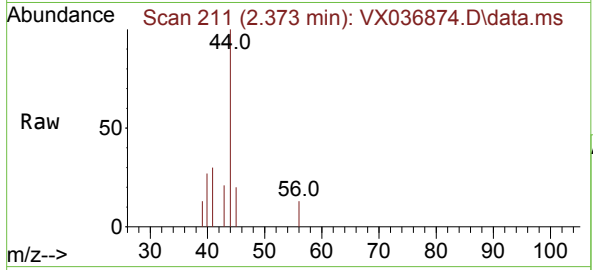




#16
Acetone
Concen: 0.217 ug/l
RT: 2.373 min Scan# 214
Delta R.T. -0.018 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

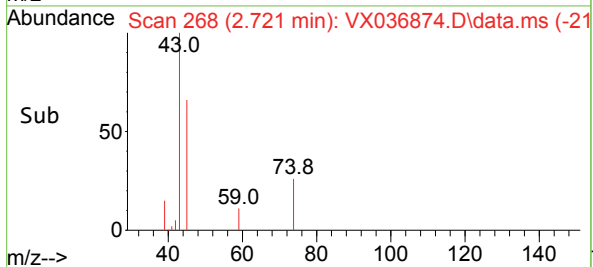
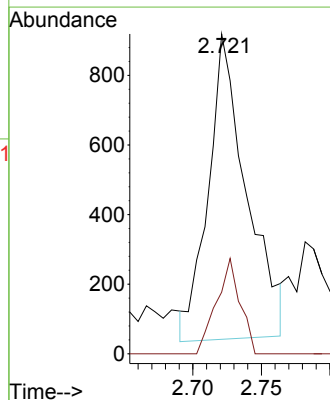
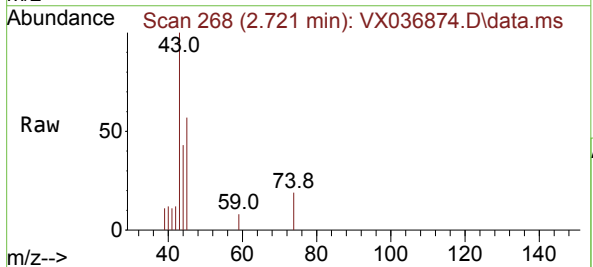
Instrument :
MSVOA_X
ClientSampleId :
MW-01ME

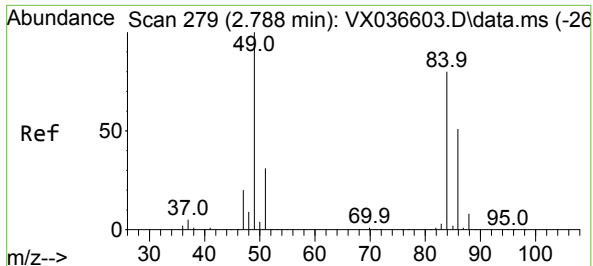
Tgt Ion: 43 Resp: 153
Ion Ratio Lower Upper
43 100
58 0.0 21.9 32.9#



#18
Methyl Acetate
Concen: 0.573 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.012 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

Tgt Ion: 43 Resp: 1698
Ion Ratio Lower Upper
43 100
74 19.4 17.8 26.8





#20

Methylene Chloride

Concen: 0.386 ug/l

RT: 2.776 min Scan# 21

Delta R.T. -0.012 min

Lab File: VX036874.D

Acq: 08 Aug 2023 19:14

Instrument :

MSVOA_X

ClientSampleId :

MW-01ME

Tgt Ion: 84 Resp: 605

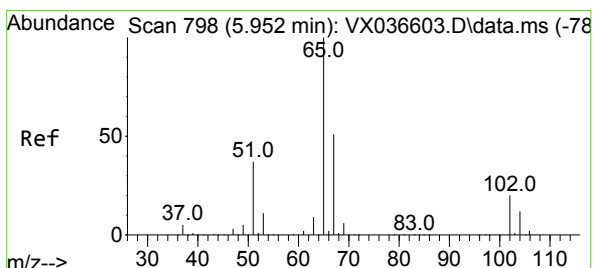
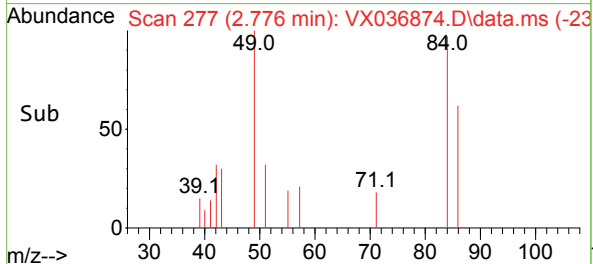
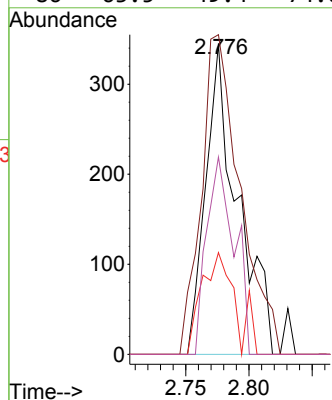
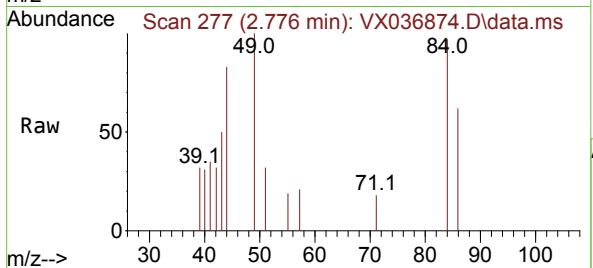
Ion Ratio Lower Upper

84 100

49 102.9 103.6 155.4#

51 32.8 33.8 50.6#

86 63.5 49.4 74.0



#33

1,2-Dichloroethane-d4

Concen: 46.446 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX036874.D

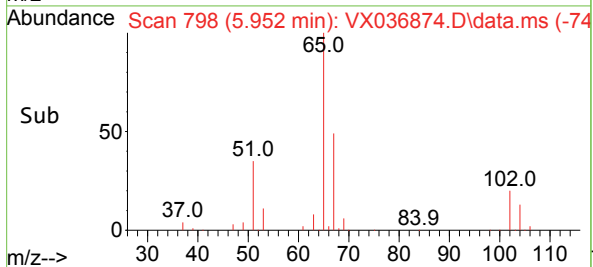
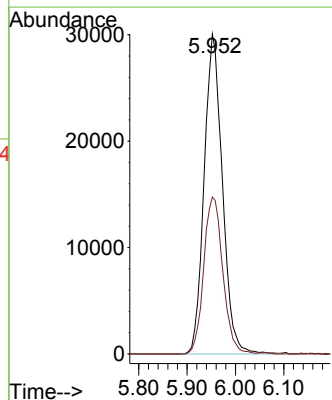
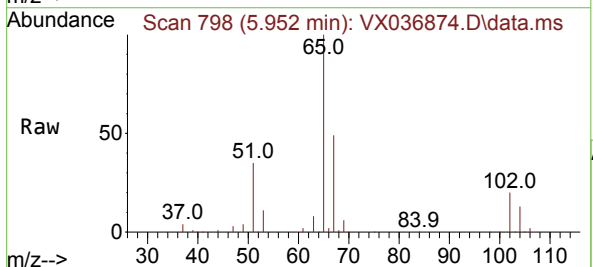
Acq: 08 Aug 2023 19:14

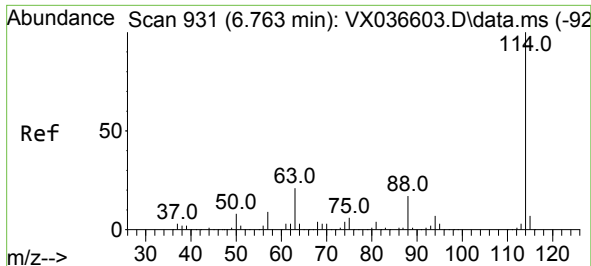
Tgt Ion: 65 Resp: 78897

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.2

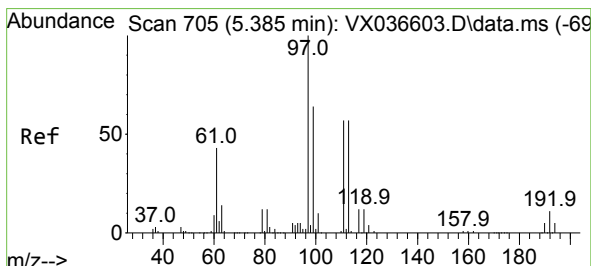
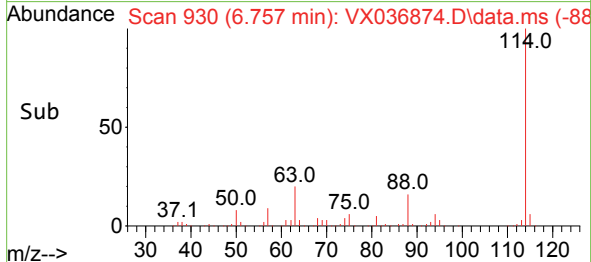
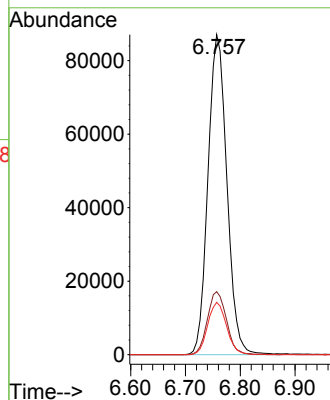
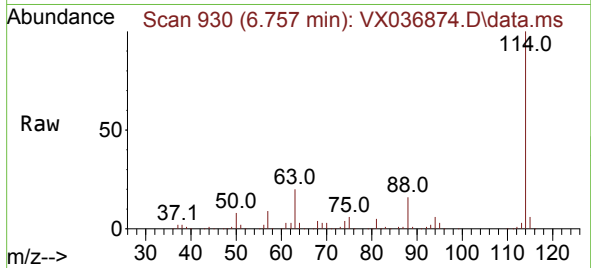




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

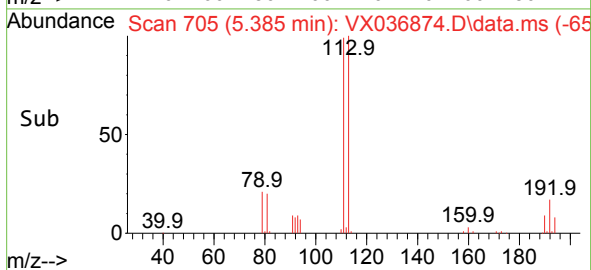
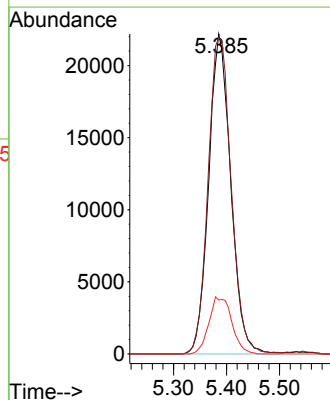
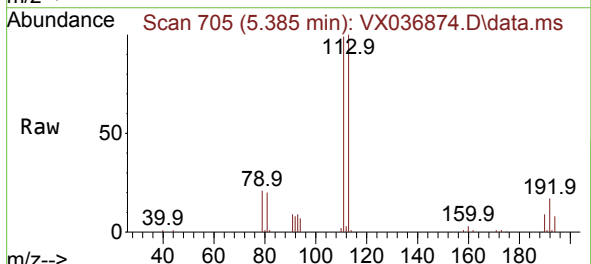
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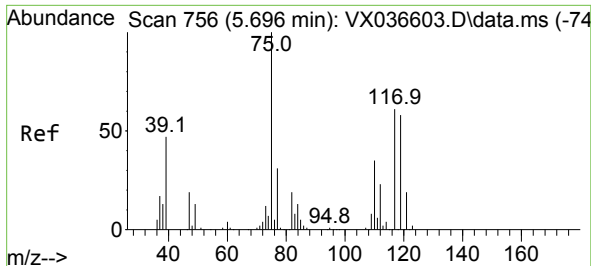
Tgt Ion:114 Resp: 208456
Ion Ratio Lower Upper
114 100
63 19.7 0.0 45.0
88 16.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.691 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

Tgt Ion:113 Resp: 64034
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 18.4 13.3 19.9

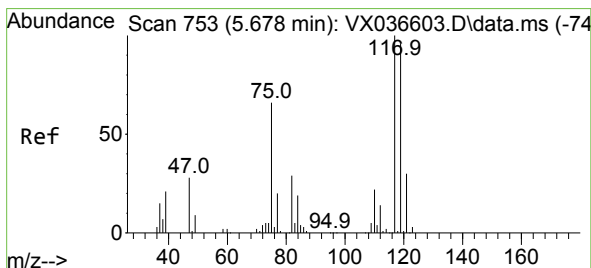
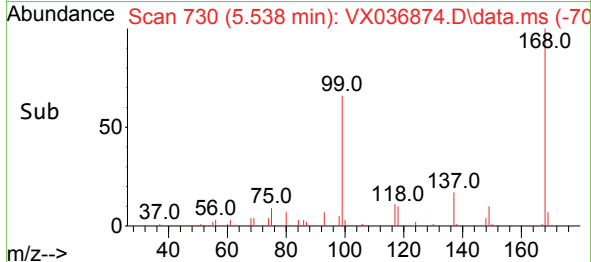
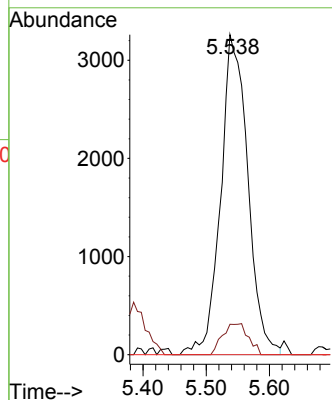
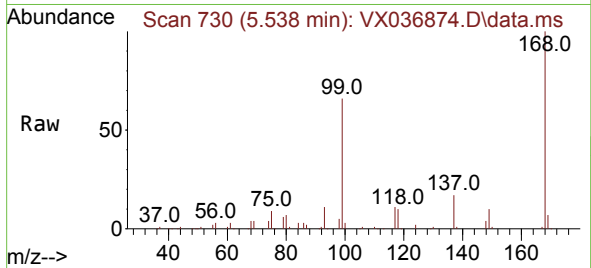




#36
1,1-Dichloropropene
Concen: 4.545 ug/l
RT: 5.538 min Scan# 711
Delta R.T. -0.158 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

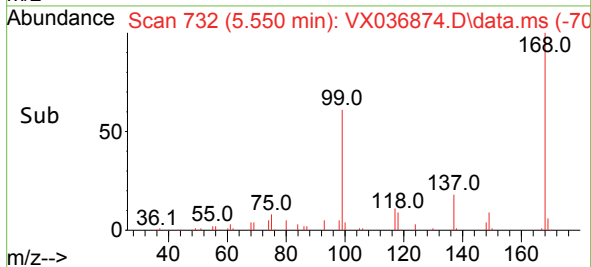
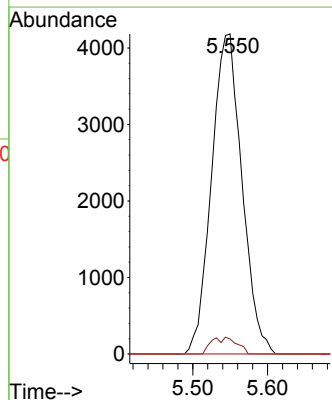
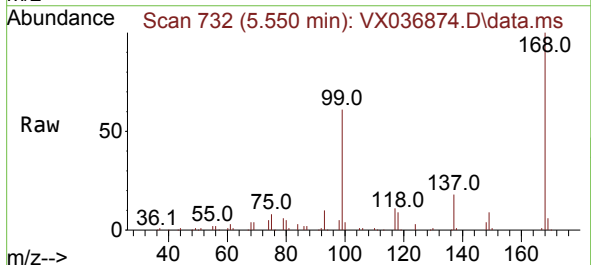
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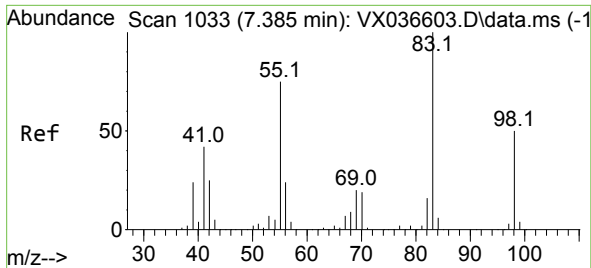
Tgt Ion: 75 Resp: 9706
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.211 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

Tgt Ion: 117 Resp: 11832
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#

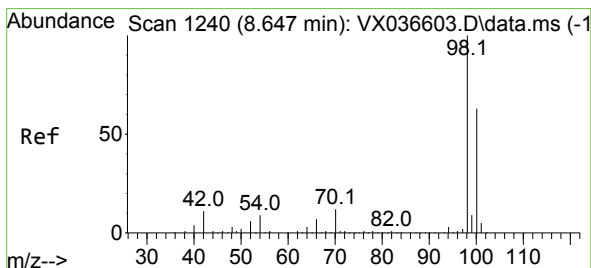
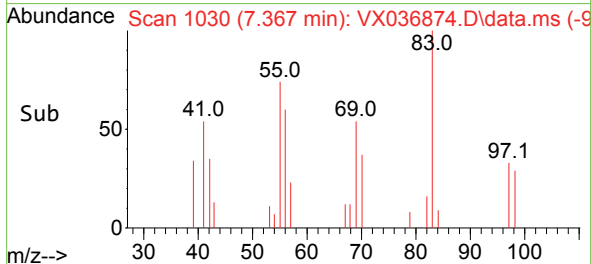
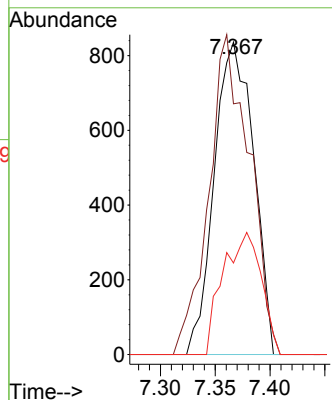
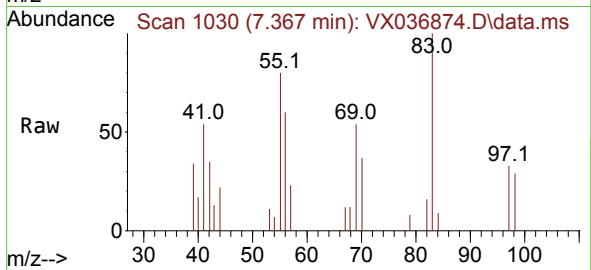




#39
Methylcyclohexane
Concen: 0.785 ug/l
RT: 7.367 min Scan# 1030
Delta R.T. -0.018 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

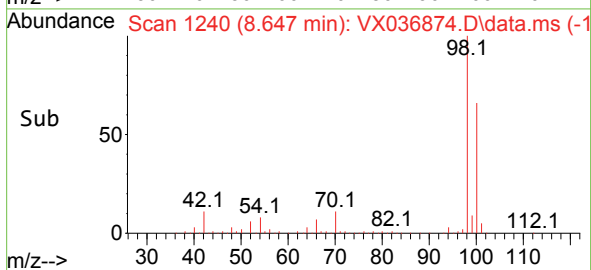
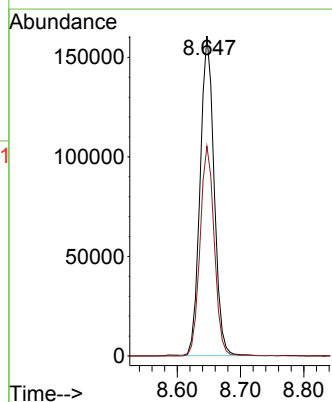
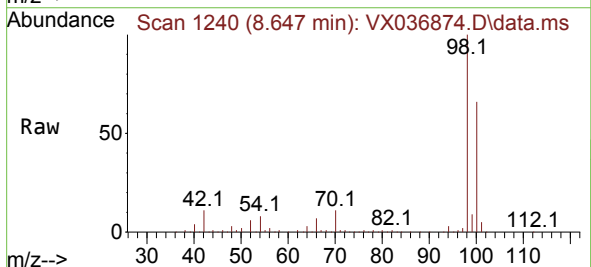
Instrument :
MSVOA_X
ClientSampleId :
MW-01ME

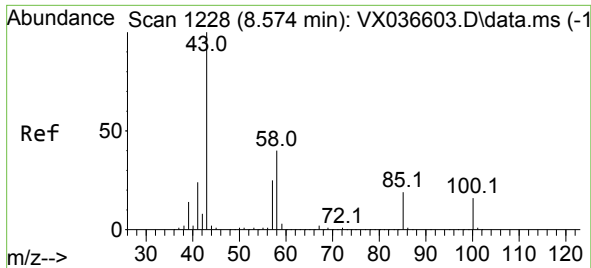
Tgt Ion: 83 Resp: 2085
Ion Ratio Lower Upper
83 100
55 80.3 64.6 97.0
98 29.3 36.7 55.1#



#50
Toluene-d8
Concen: 48.611 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

Tgt Ion: 98 Resp: 246998
Ion Ratio Lower Upper
98 100
100 66.8 53.1 79.7

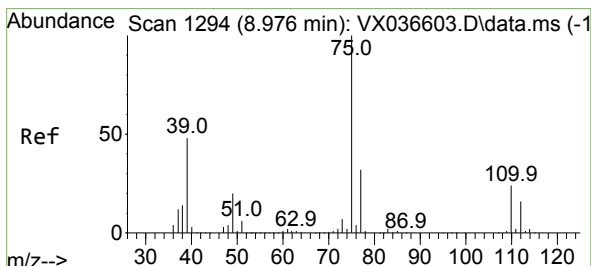
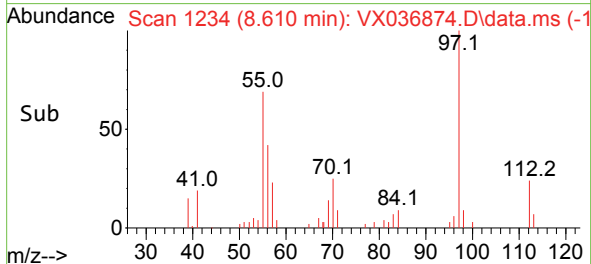
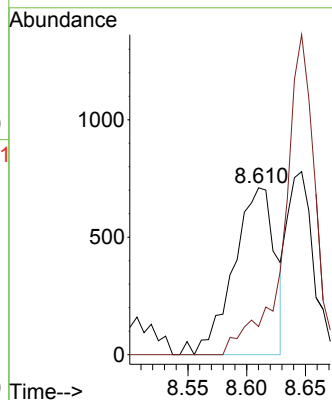
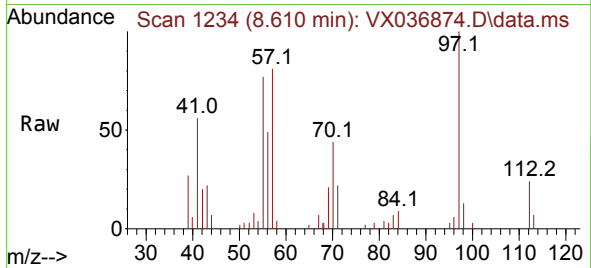




#51
4-Methyl-2-Pentanone
Concen: 0.757 ug/l
RT: 8.610 min Scan# 1234
Delta R.T. 0.037 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

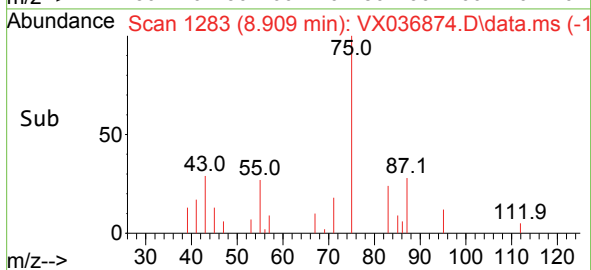
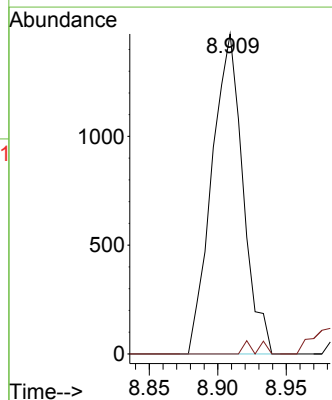
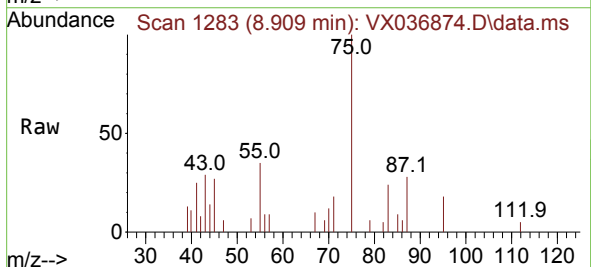
Instrument :
MSVOA_X
ClientSampleId :
MW-01ME

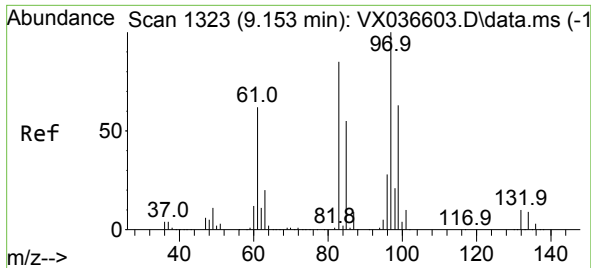
Tgt Ion: 43 Resp: 1742
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.862 ug/l
RT: 8.909 min Scan# 1283
Delta R.T. -0.067 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

Tgt Ion: 75 Resp: 2323
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

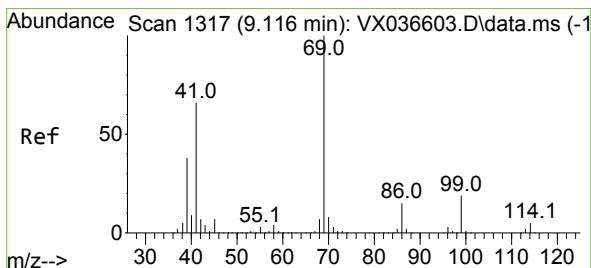
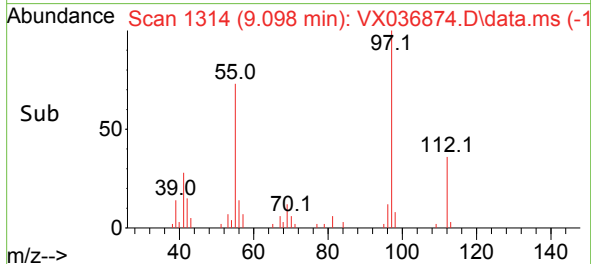
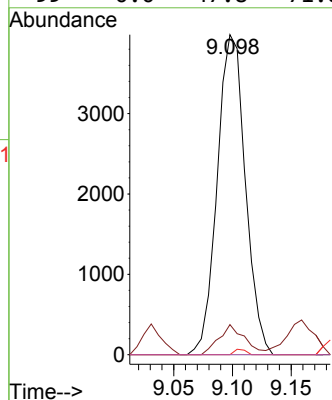
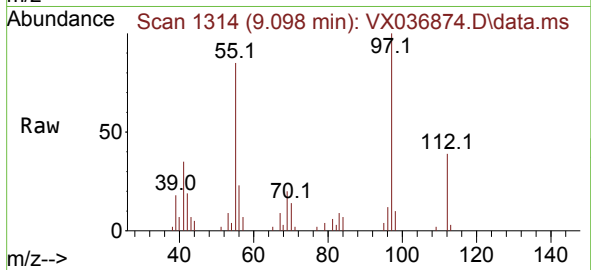




#55
1,1,2-Trichloroethane
Concen: 4.049 ug/l
RT: 9.098 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

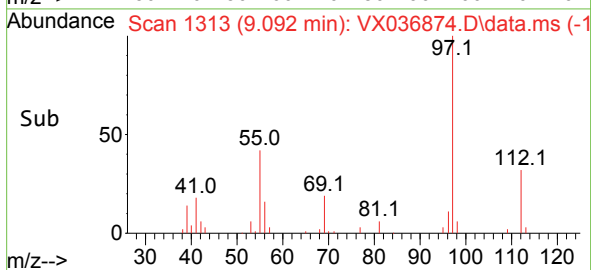
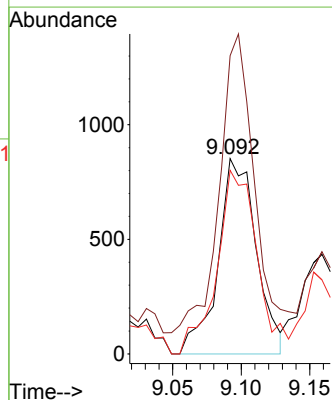
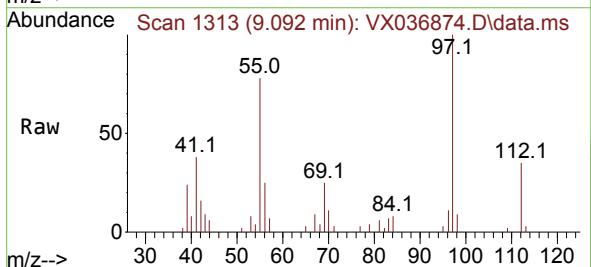
Instrument :
MSVOA_X
ClientSampleId :
MW-01ME

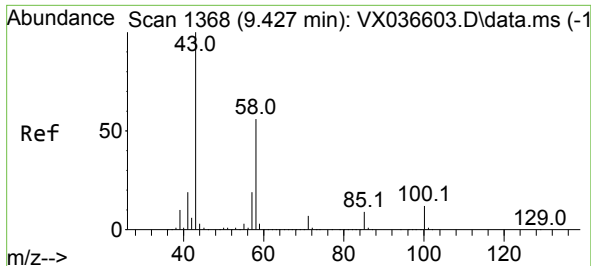
Tgt Ion:	97	Resp:	6627
Ion	Ratio	Lower	Upper
97	100		
83	9.4	65.8	98.8#
85	0.0	41.6	62.4#
99	0.0	47.8	71.8#



#56
Ethyl methacrylate
Concen: 0.622 ug/l
RT: 9.092 min Scan# 1313
Delta R.T. -0.024 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

Tgt Ion:	69	Resp:	1657
Ion	Ratio	Lower	Upper
69	100		
41	136.9	56.8	85.2#
39	98.6	32.0	48.0#

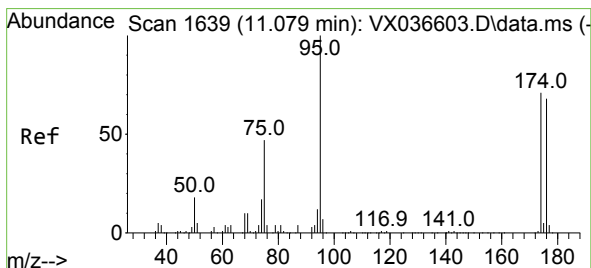
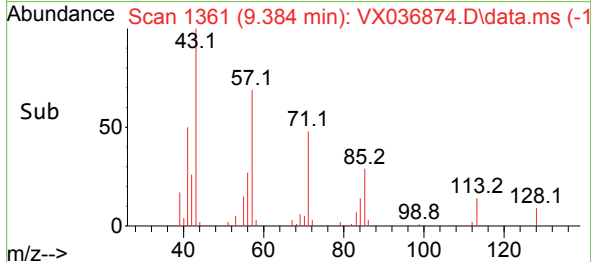
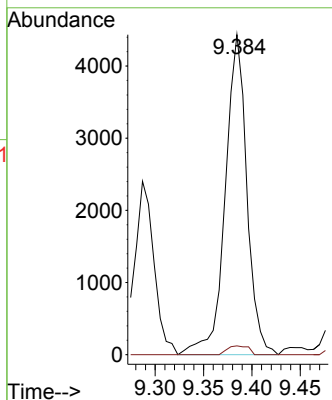
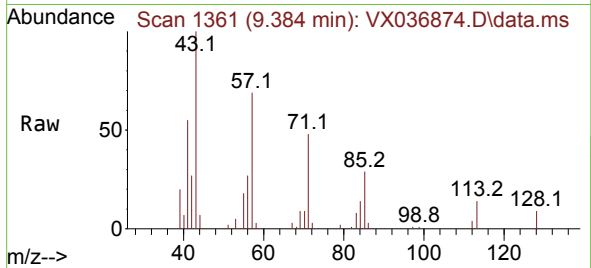




#59
2-Hexanone
Concen: 4.045 ug/l
RT: 9.384 min Scan# 11
Delta R.T. -0.043 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

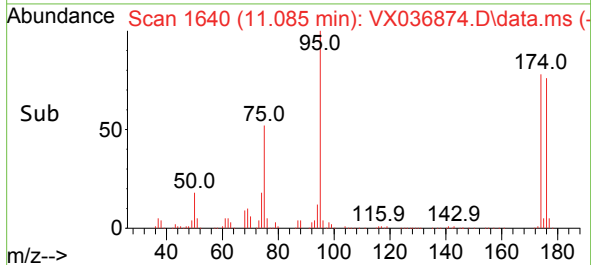
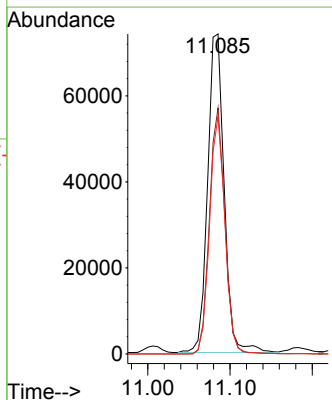
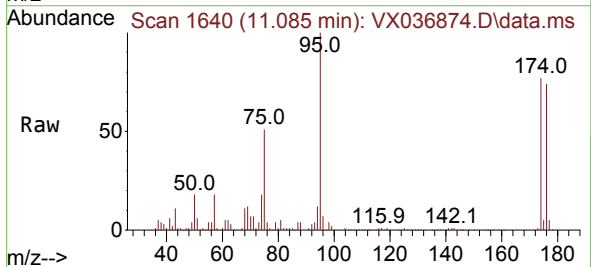
Instrument :
MSVOA_X
ClientSampleId :
MW-01ME

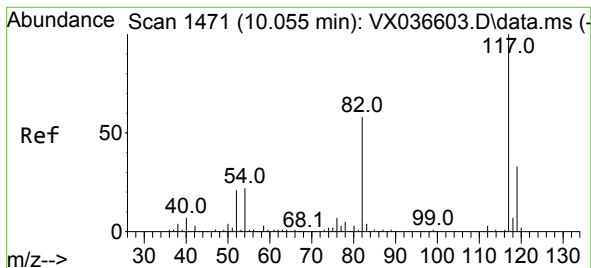
Tgt Ion: 43 Resp: 6913
Ion Ratio Lower Upper
43 100
58 2.7 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 53.978 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

Tgt Ion: 95 Resp: 103475
Ion Ratio Lower Upper
95 100
174 72.3 0.0 135.6
176 69.4 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: VX036874.D

Acq: 08 Aug 2023 19:14

Instrument :

MSVOA_X

ClientSampleId :

MW-01ME

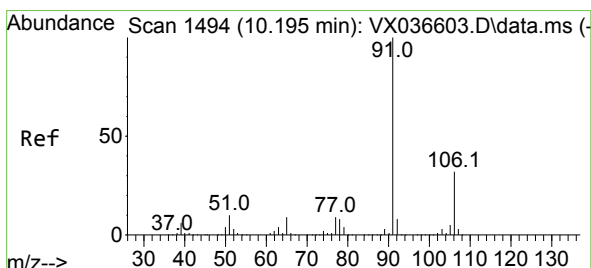
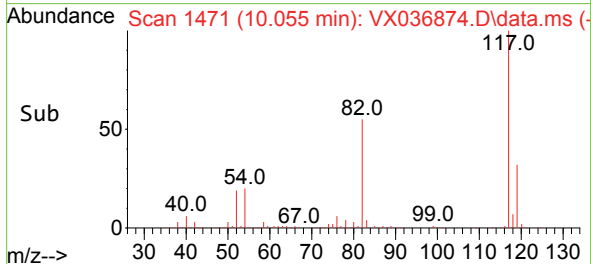
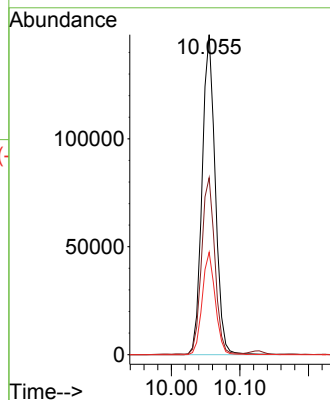
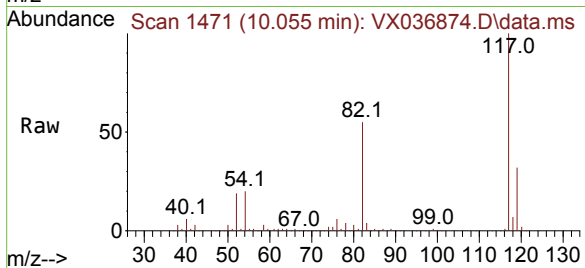
Tgt Ion:117 Resp: 198219

Ion Ratio Lower Upper

117 100

82 55.2 46.2 69.4

119 32.0 25.5 38.3



#67

Ethyl Benzene

Concen: 0.541 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX036874.D

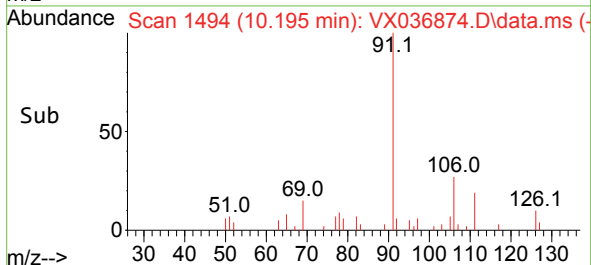
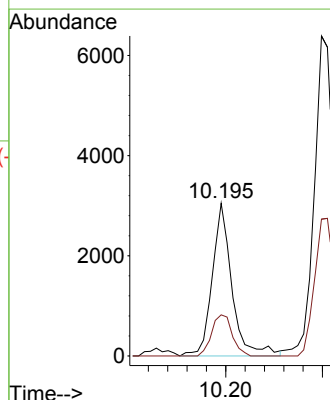
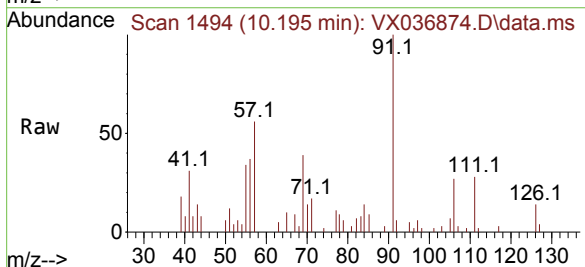
Acq: 08 Aug 2023 19:14

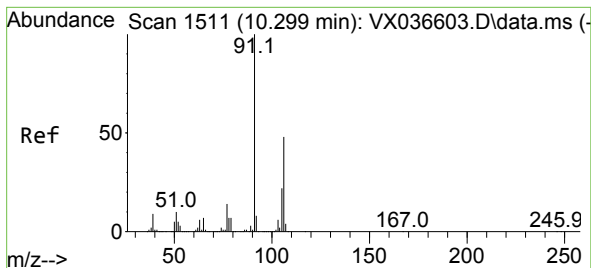
Tgt Ion: 91 Resp: 4321

Ion Ratio Lower Upper

91 100

106 27.0 24.9 37.3

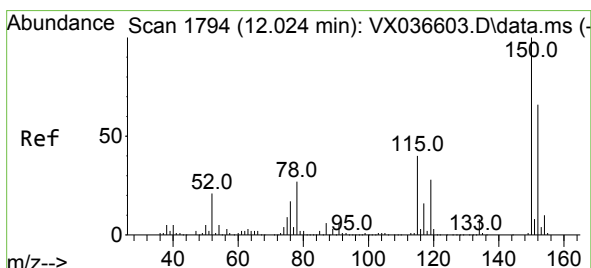
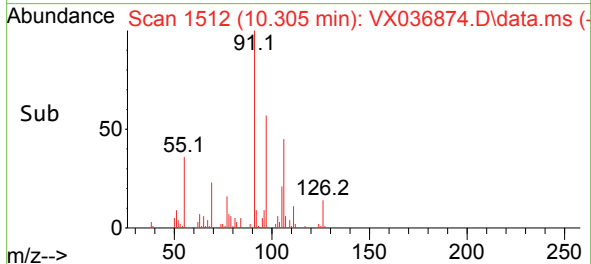
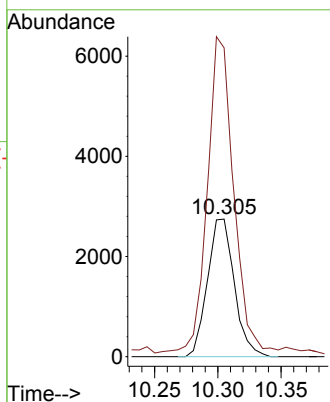
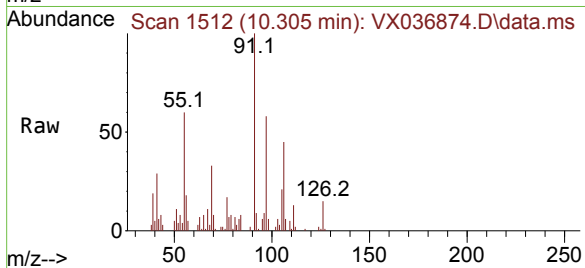




#68
m/p-Xylenes
Concen: 1.359 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

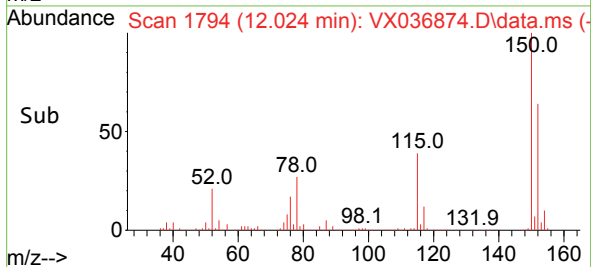
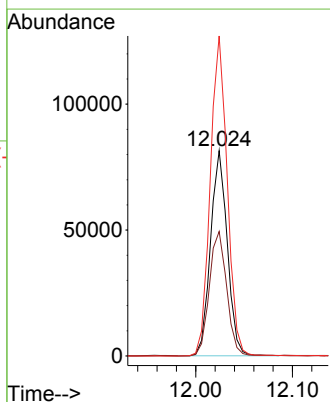
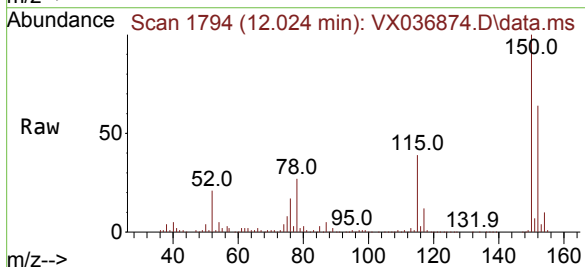
Instrument :
MSVOA_X
ClientSampleId :
MW-01ME

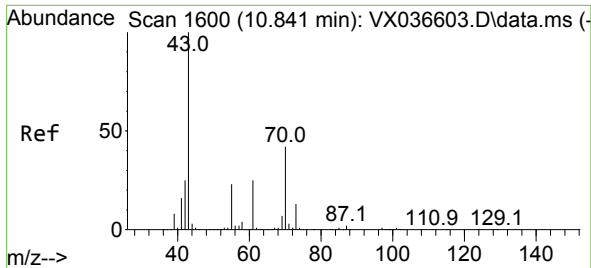
Tgt Ion:106 Resp: 4048
Ion Ratio Lower Upper
106 100
91 221.0 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

Tgt Ion:152 Resp: 98298
Ion Ratio Lower Upper
152 100
115 63.3 43.3 129.9
150 157.8 0.0 345.0

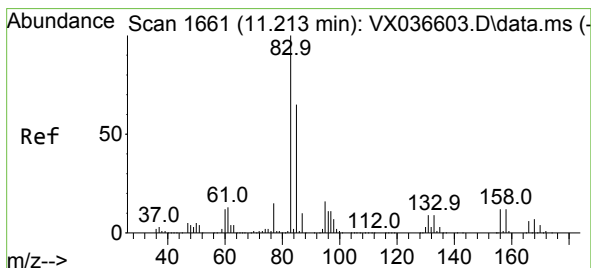
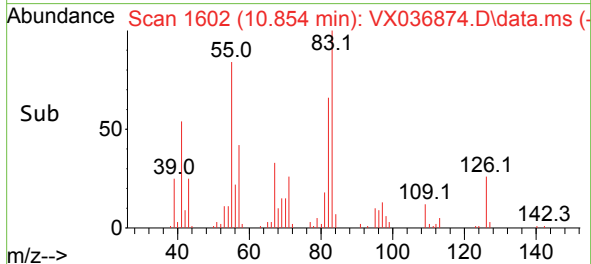
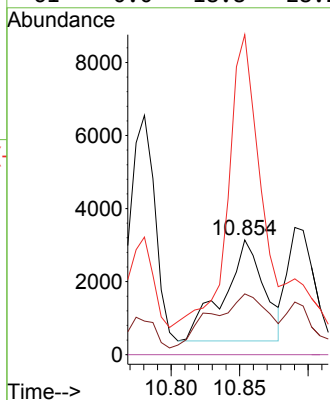
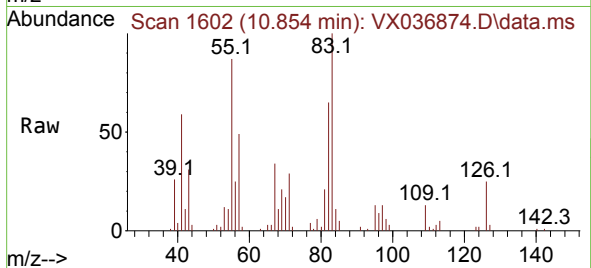




#74
N-amy1 acetate
Concen: 1.500 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

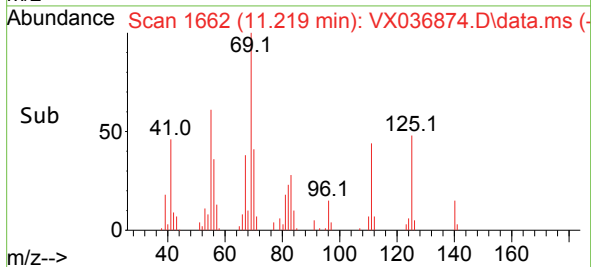
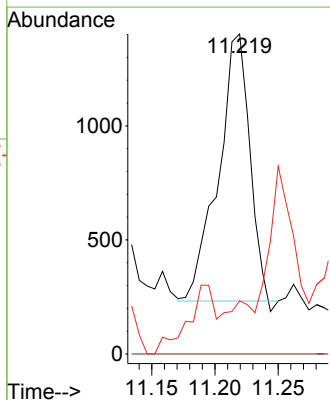
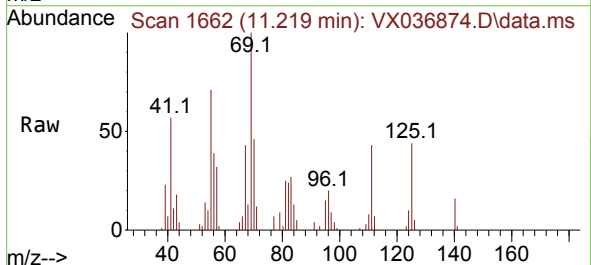
Instrument :
MSVOA_X
ClientSampleId :
MW-01ME

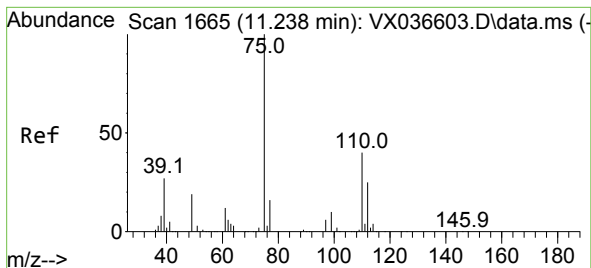
Tgt Ion: 43	Resp: 5692
Ion Ratio	Lower Upper
43 100	
70 73.9	32.9 49.3#
55 265.2	19.3 28.9#
61 0.0	18.8 28.2#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.732 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. 0.006 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

Tgt Ion: 83	Resp: 2011
Ion Ratio	Lower Upper
83 100	
131 0.0	5.3 15.8#
85 0.0	32.0 96.2#





#76

1,2,3-Trichloropropane

Concen: 22.431 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.152 min

Lab File: VX036874.D

Acq: 08 Aug 2023 19:14

Instrument :

MSVOA_X

ClientSampleId :

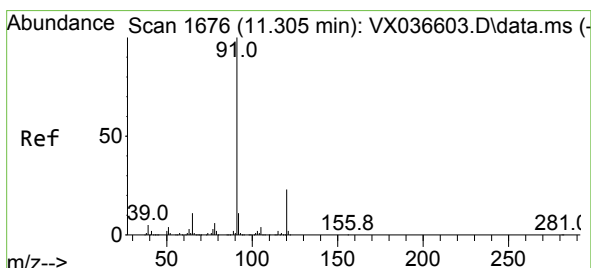
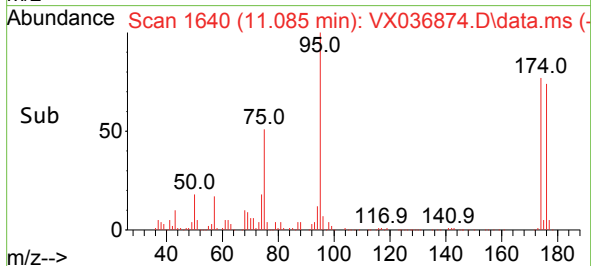
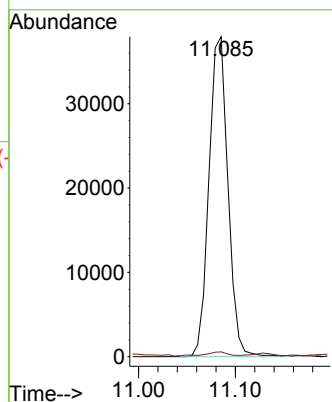
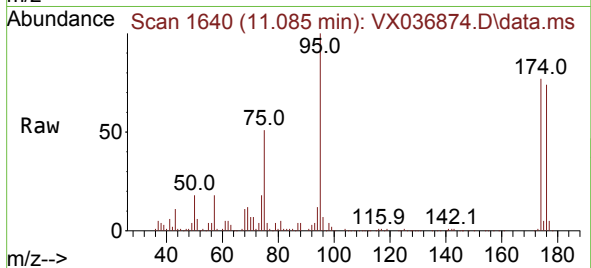
MW-01ME

Tgt Ion: 75 Resp: 51863

Ion Ratio Lower Upper

75 100

77 1.5 19.1 57.5#



#78

n-propylbenzene

Concen: 0.432 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX036874.D

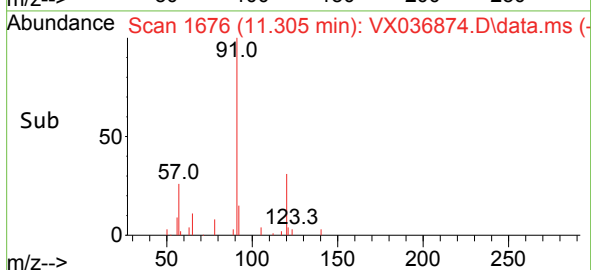
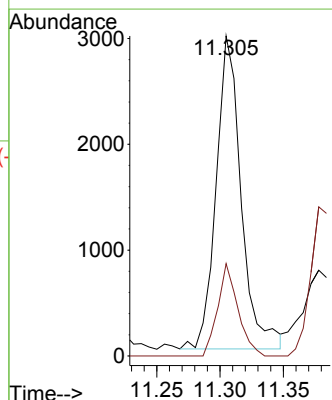
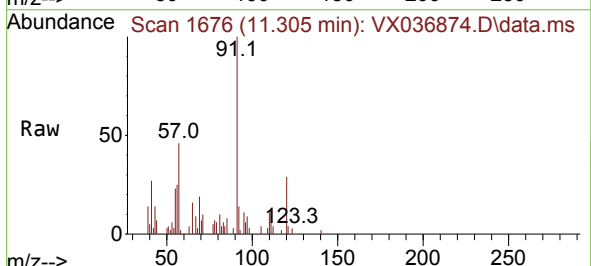
Acq: 08 Aug 2023 19:14

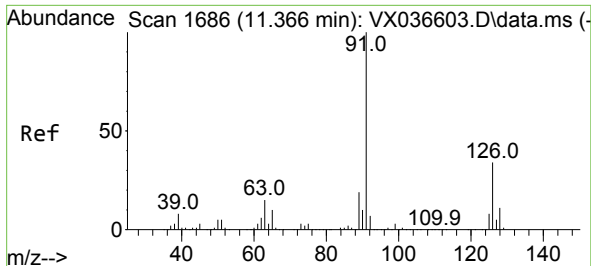
Tgt Ion: 91 Resp: 4061

Ion Ratio Lower Upper

91 100

120 23.8 11.5 34.4

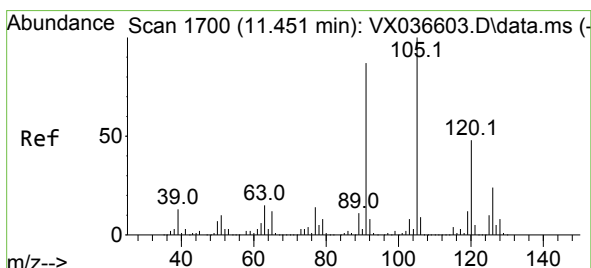
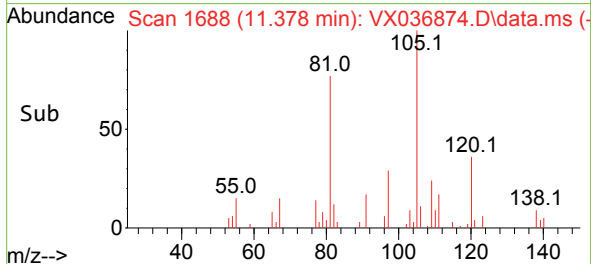
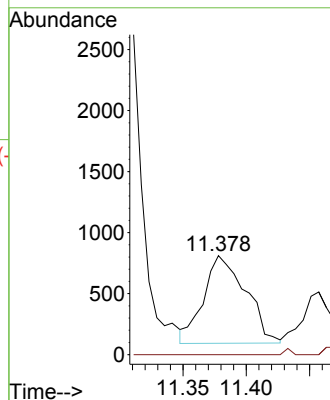
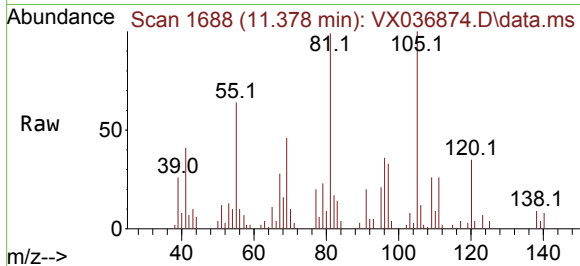




#79
2-Chlorotoluene
Concen: 0.292 ug/l
RT: 11.378 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

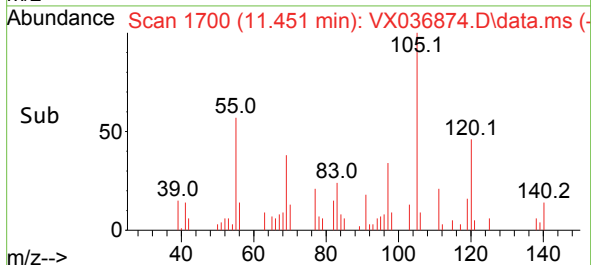
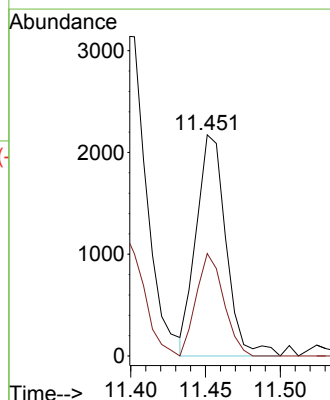
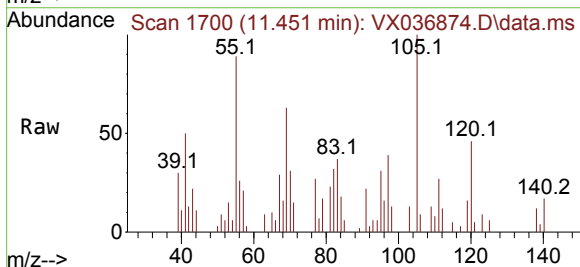
Instrument :
MSVOA_X
ClientSampleId :
MW-01ME

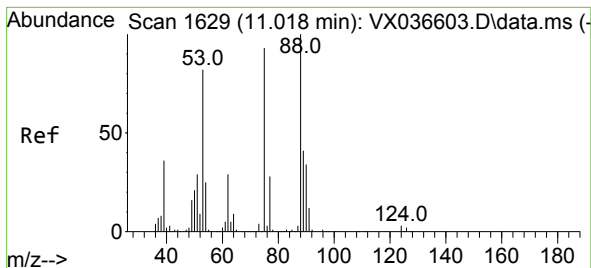
Tgt Ion: 91 Resp: 1665
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.444 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

Tgt Ion: 105 Resp: 3019
Ion Ratio Lower Upper
105 100
120 42.7 24.1 72.3

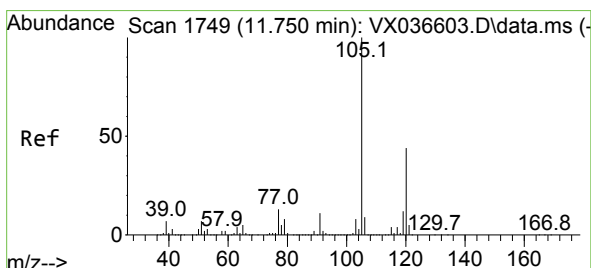
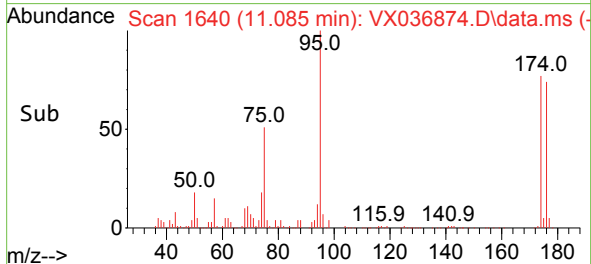
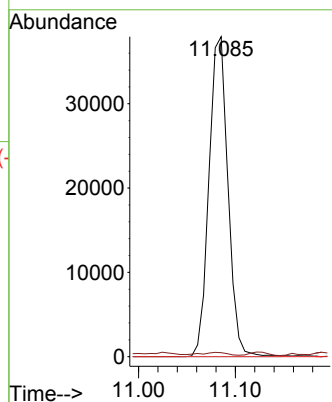
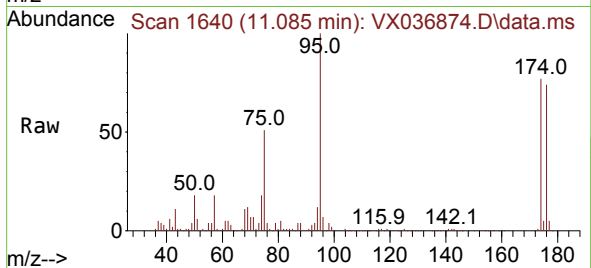




#81
trans-1,4-Dichloro-2-butene
Concen: 50.842 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

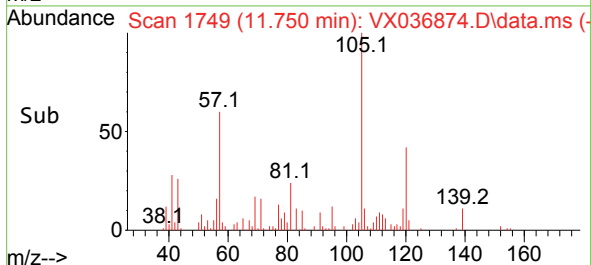
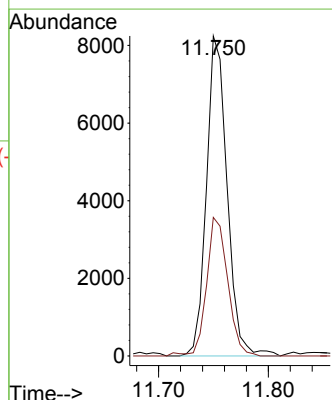
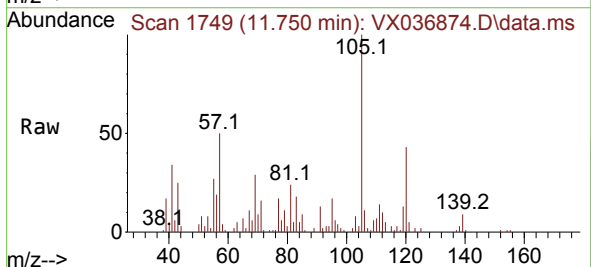
Instrument :
MSVOA_X
ClientSampleId :
MW-01ME

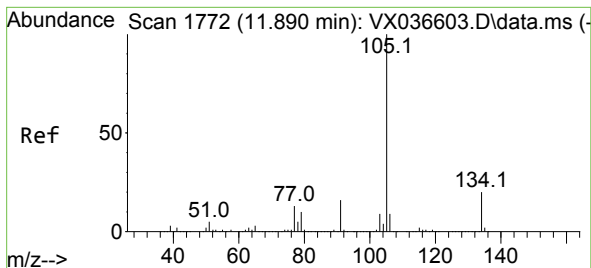
Tgt Ion: 75 Resp: 51863
Ion Ratio Lower Upper
75 100
53 1.2 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 1.586 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

Tgt Ion: 105 Resp: 10794
Ion Ratio Lower Upper
105 100
120 44.4 21.2 63.6





#85

sec-Butylbenzene

Concen: 0.924 ug/l

RT: 11.890 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036874.D

Acq: 08 Aug 2023 19:14

Instrument :

MSVOA_X

ClientSampleId :

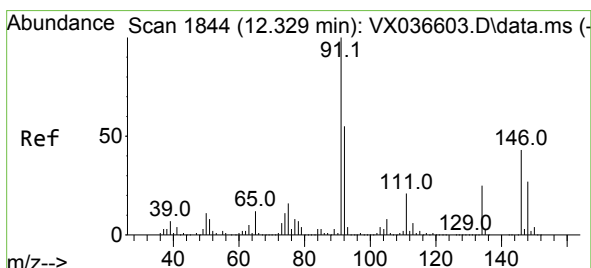
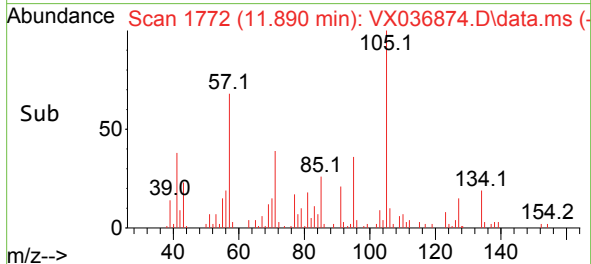
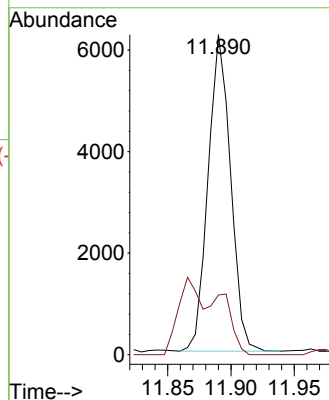
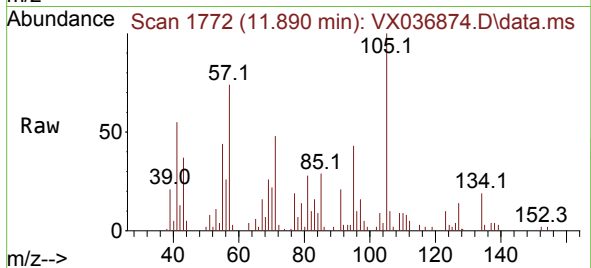
MW-01ME

Tgt Ion:105 Resp: 7708

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.4#



#89

n-Butylbenzene

Concen: 1.827 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX036874.D

Acq: 08 Aug 2023 19:14

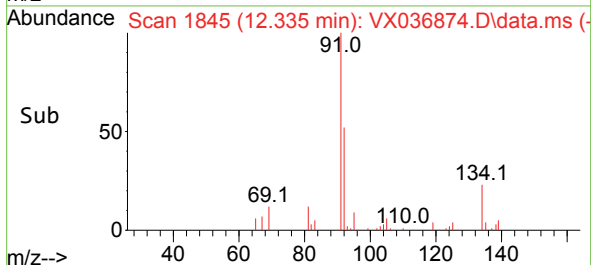
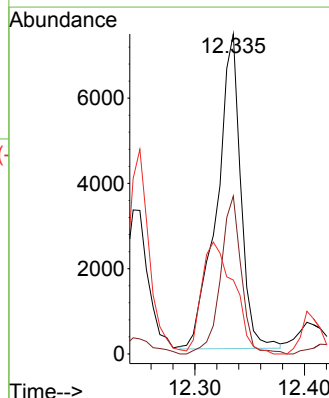
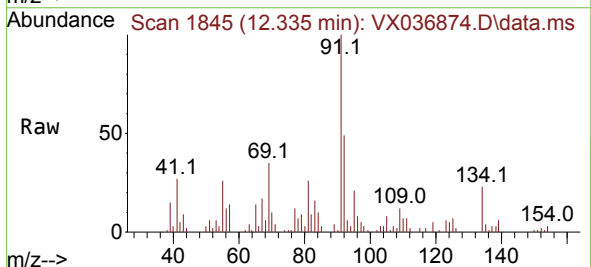
Tgt Ion: 91 Resp: 11219

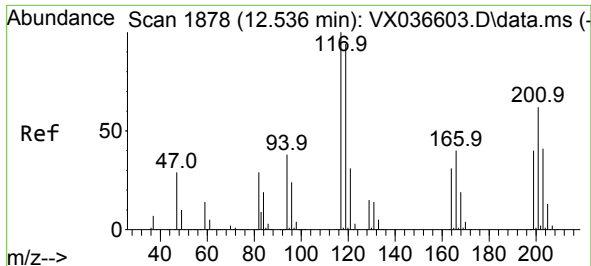
Ion Ratio Lower Upper

91 100

92 43.5 27.4 82.0

134 48.0 12.6 37.8#

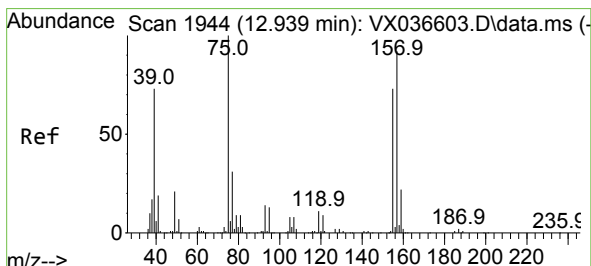
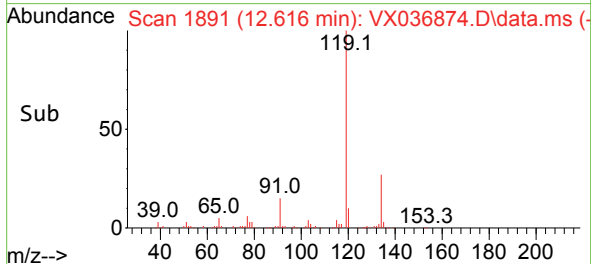
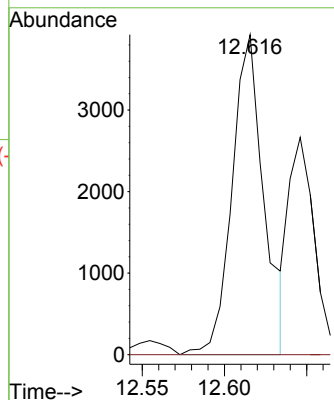
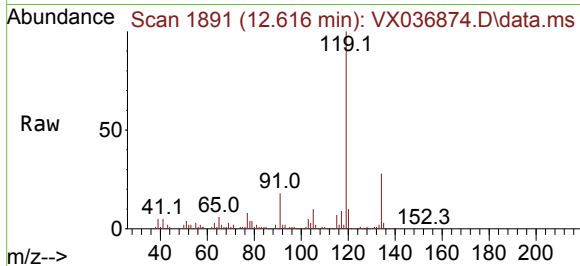




#90
Hexachloroethane
Concen: 3.785 ug/l
RT: 12.616 min Scan# 1878
Delta R.T. 0.079 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

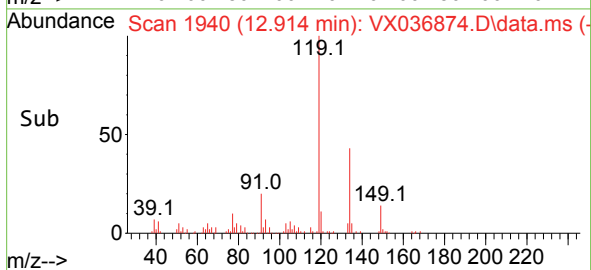
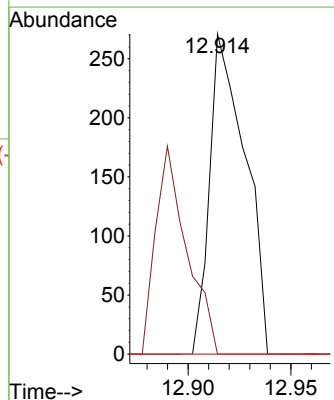
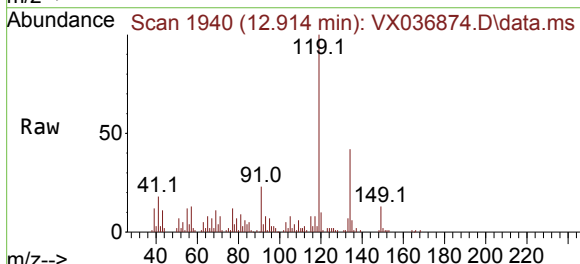
Instrument :
MSVOA_X
ClientSampleId :
MW-01ME

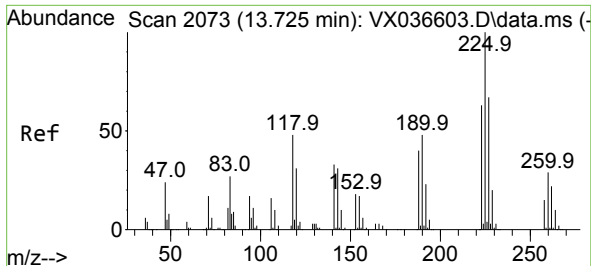
Tgt Ion:117 Resp: 5265
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.511 ug/l
RT: 12.914 min Scan# 1940
Delta R.T. -0.024 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

Tgt Ion: 75 Resp: 326
Ion Ratio Lower Upper
75 100
155 0.0 36.1 108.5#
157 0.0 44.9 134.7#

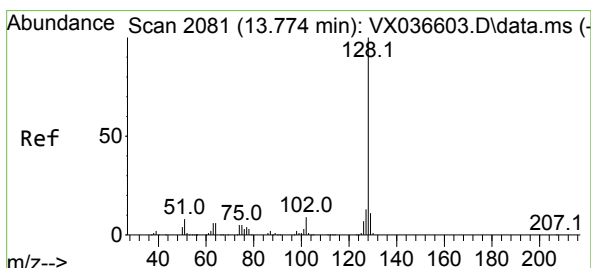
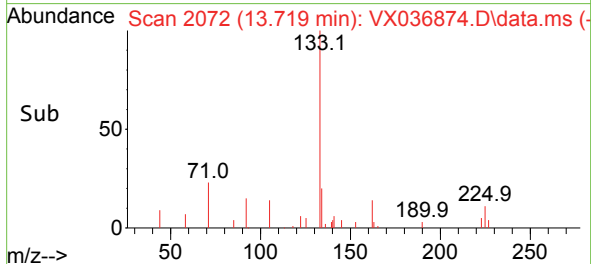
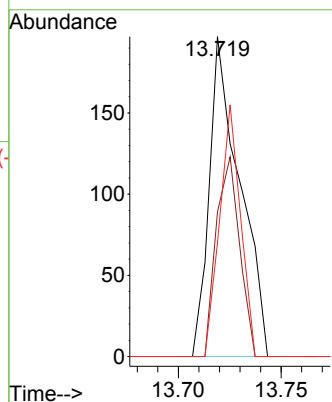
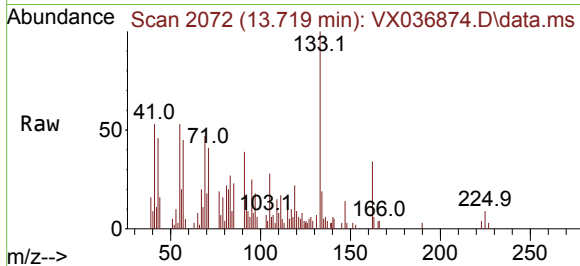




#94
Hexachlorobutadiene
Concen: 0.241 ug/l
RT: 13.719 min Scan# 2073
Delta R.T. -0.006 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

Instrument :
MSVOA_X
ClientSampleId :
MW-01ME

Tgt Ion	Ratio	Lower	Upper
225	100		
223	47.8	31.1	93.2
227	53.7	32.5	97.5



#95
Naphthalene
Concen: 0.922 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX036874.D
Acq: 08 Aug 2023 19:14

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.9	10.3	15.5#
129	8.4	8.8	13.2#

