

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080123\
 Data File : VX036756.D
 Acq On : 01 Aug 2023 18:14
 Operator : JC/MD
 Sample : 03775-03 10X
 Misc : 4.96g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BUILDING-A-8-(0-5)ME

Quant Time: Aug 02 06:26:44 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)

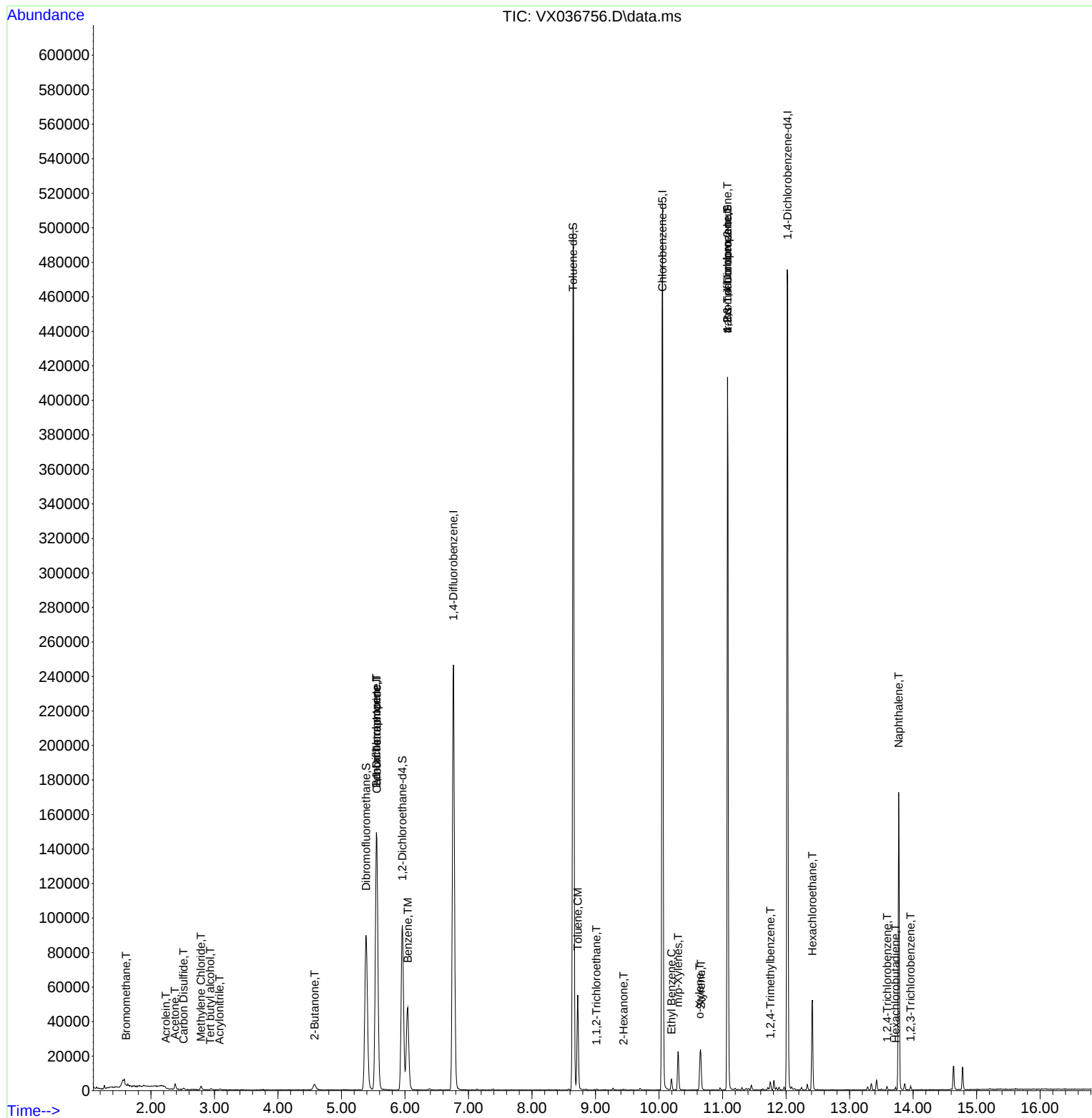
Internal Standards						
1) Pentafluorobenzene	5.550	168	138846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	249497	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	92346	44.950	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.900%		
35) Dibromofluoromethane	5.385	113	79219	46.194	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.380%		
50) Toluene-d8	8.647	98	297298	48.886	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.780%		
62) 4-Bromofluorobenzene	11.079	95	108925	47.474	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.940%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	307	0.303	ug/l #	72
11) Tert butyl alcohol	2.934	59	433	0.890	ug/l #	78
13) Acrolein	2.233	56	132	0.476	ug/l #	14
15) Acrylonitrile	3.081	53	253	0.259	ug/l #	65
16) Acetone	2.379	43	3462	4.061	ug/l #	83
17) Carbon Disulfide	2.514	76	1257	0.293	ug/l #	76
20) Methylene Chloride	2.788	84	994	0.524	ug/l #	87
25) 2-Butanone	4.574	43	304	0.220	ug/l #	51
36) 1,1-Dichloropropene	5.550	75	11355	4.442	ug/l #	50
38) Carbon Tetrachloride	5.556	117	14669	5.398	ug/l #	14
40) Benzene	6.043	78	58892	7.919	ug/l	98
52) Toluene	8.720	92	20430	4.384	ug/l	96
55) 1,1,2-Trichloroethane	9.012	97	397	0.203	ug/l #	17
59) 2-Hexanone	9.439	43	423	0.207	ug/l #	53
67) Ethyl Benzene	10.195	91	4043	0.440	ug/l	98
68) m/p-Xylenes	10.299	106	5303	1.546	ug/l	100
69) o-Xylene	10.640	106	2856	0.834	ug/l	99
70) Styrene	10.658	104	8433	1.493	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	56621	24.134	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	56621	54.702	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	2339	0.339	ug/l	96
90) Hexachloroethane	12.414	117	1987	1.408	ug/l #	17
93) 1,2,4-Trichlorobenzene	13.591	180	606	0.293	ug/l	93
94) Hexachlorobutadiene	13.725	225	270	0.315	ug/l	90
95) Naphthalene	13.774	128	103924	14.407	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	640	0.314	ug/l	95

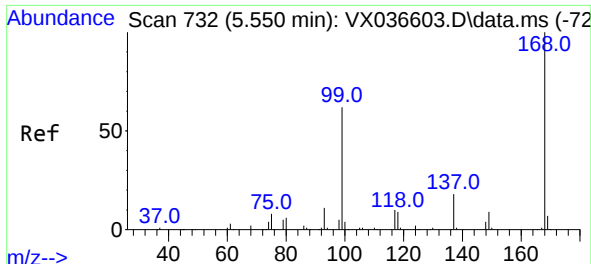
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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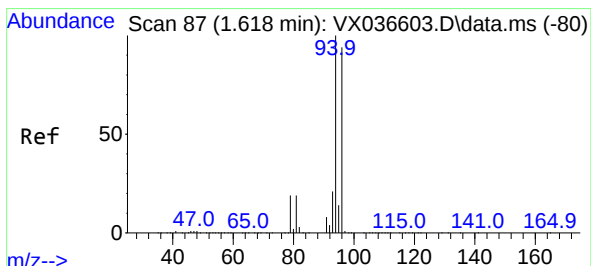
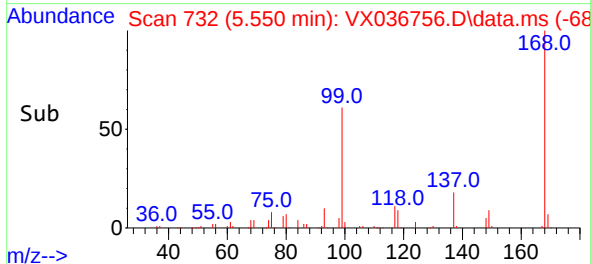
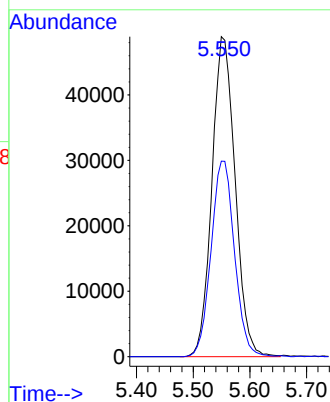
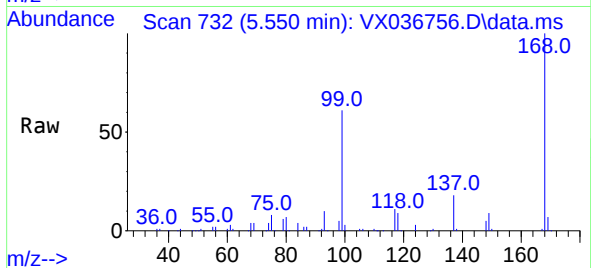




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

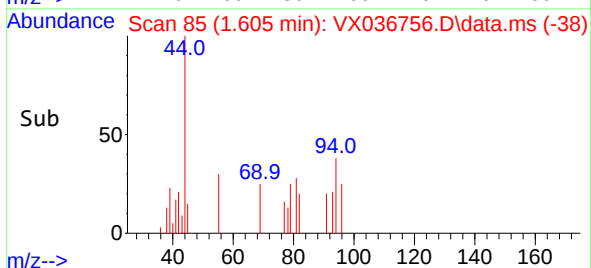
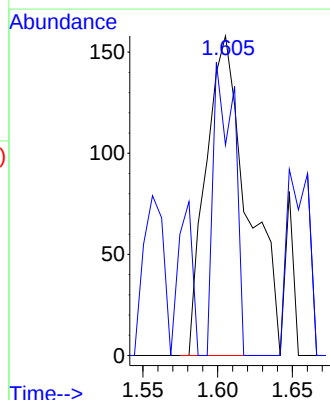
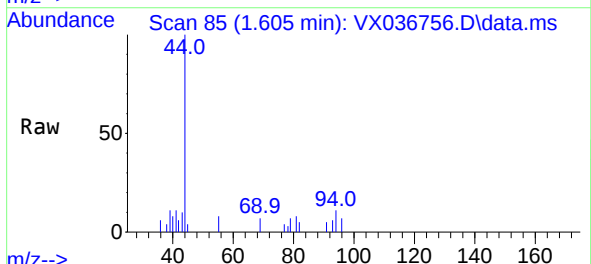
Instrument :
MSVOA_X
ClientSampleId :
BUILDING-A-8-(0-5)ME

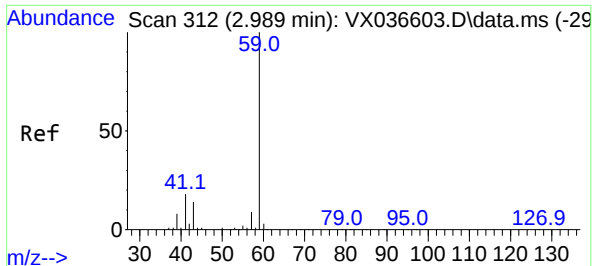
Tgt Ion:168 Resp: 138846
Ion Ratio Lower Upper
168 100
99 61.1 56.6 85.0



#5
Bromomethane
Concen: 0.303 ug/l
RT: 1.605 min Scan# 85
Delta R.T. -0.012 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

Tgt Ion: 94 Resp: 307
Ion Ratio Lower Upper
94 100
96 65.8 74.6 111.8#





#11

Tert butyl alcohol

Concen: 0.890 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.055 min

Lab File: VX036756.D

Acq: 01 Aug 2023 18:14

Instrument :

MSVOA_X

ClientSampleId :

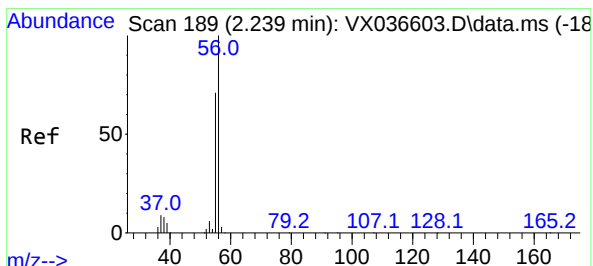
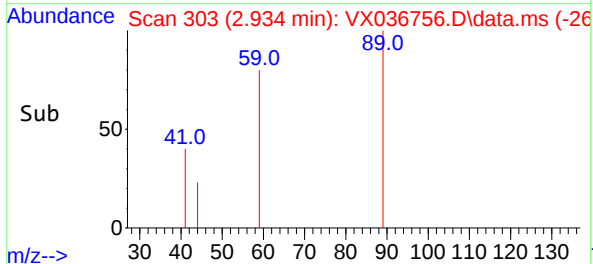
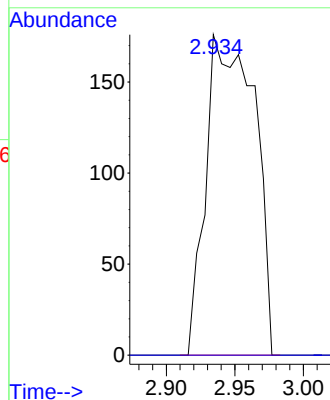
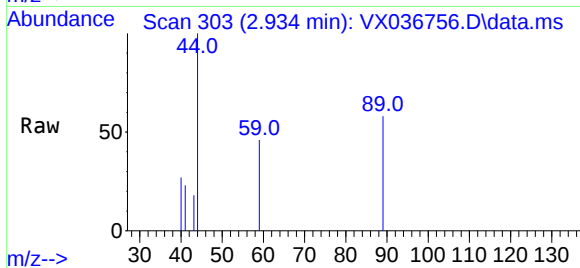
BUILDING-A-8-(0-5)ME

Tgt Ion: 59 Resp: 433

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.476 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX036756.D

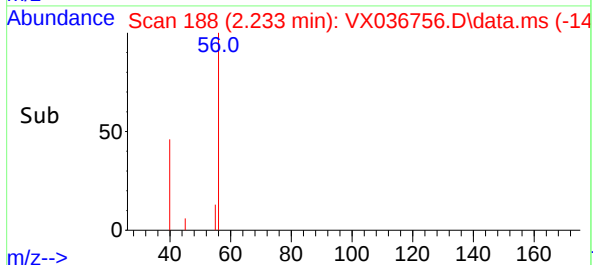
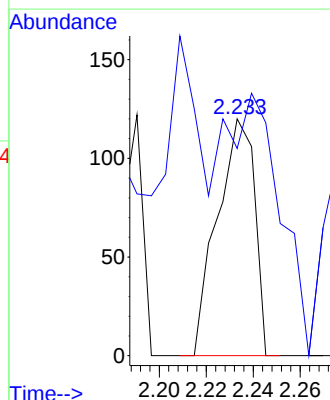
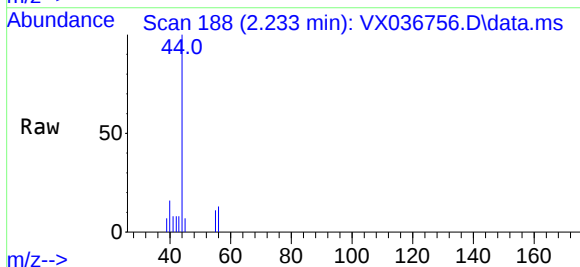
Acq: 01 Aug 2023 18:14

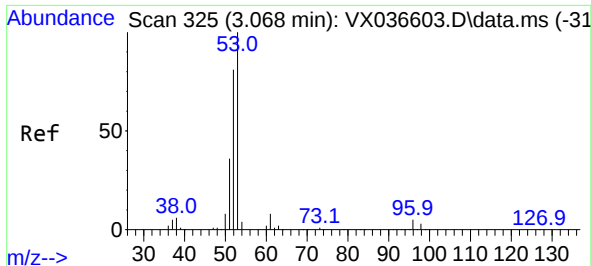
Tgt Ion: 56 Resp: 132

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#

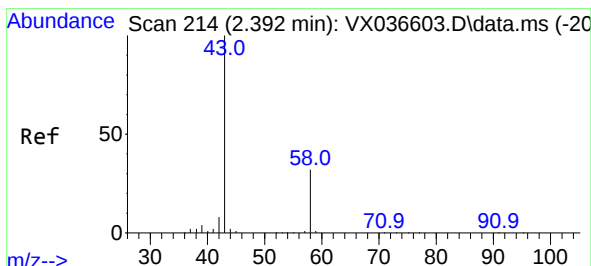
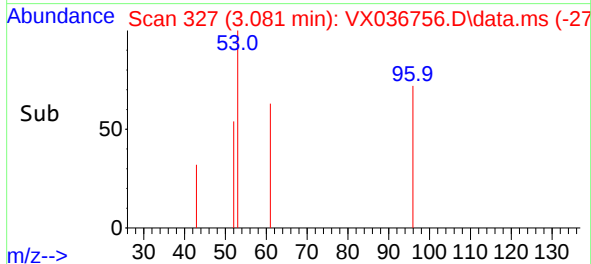
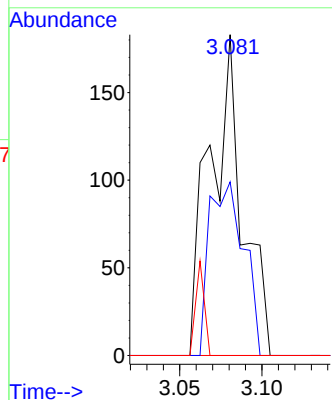
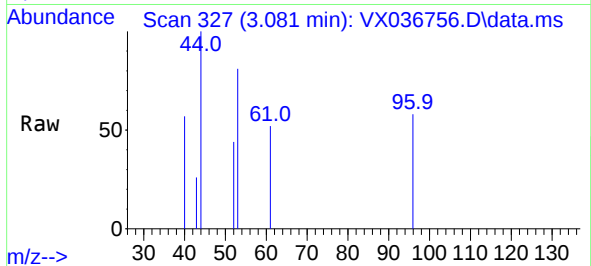




#15
Acrylonitrile
Concen: 0.259 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

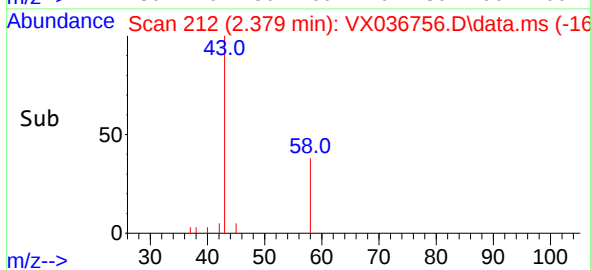
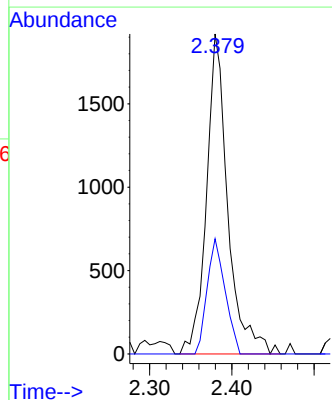
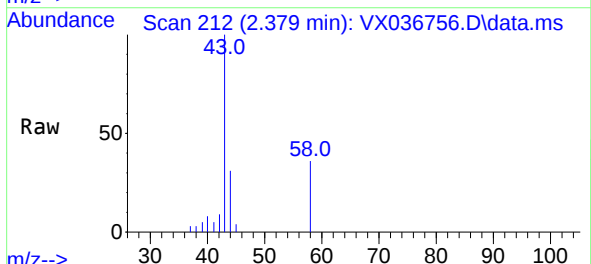
Instrument :
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BUILDING-A-8-(0-5)ME

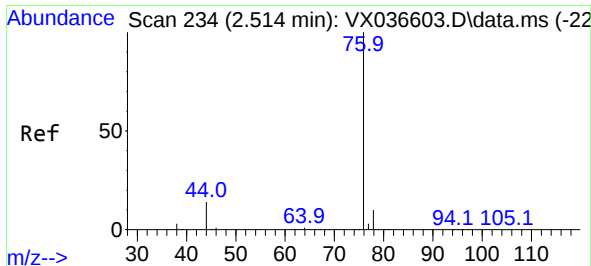
Tgt Ion: 53 Resp: 253
Ion Ratio Lower Upper
53 100
52 57.3 66.0 99.0#
51 7.9 29.8 44.6#



#16
Acetone
Concen: 4.061 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

Tgt Ion: 43 Resp: 3462
Ion Ratio Lower Upper
43 100
58 36.0 21.9 32.9#

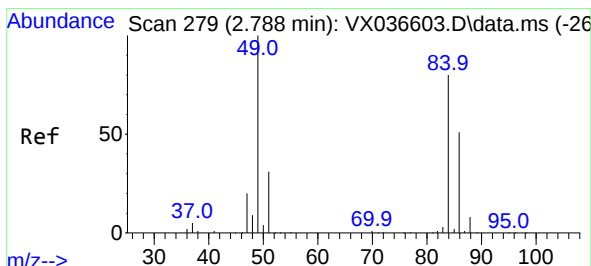
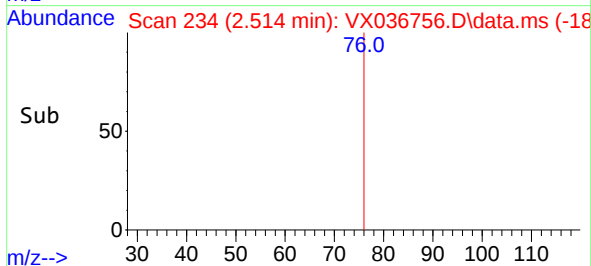
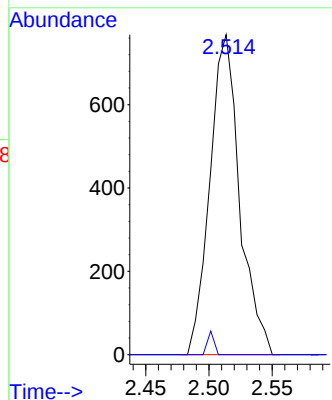
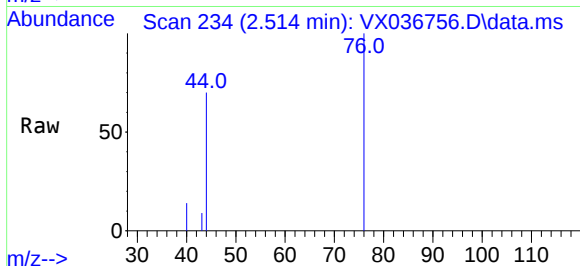




#17
Carbon Disulfide
Concen: 0.293 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

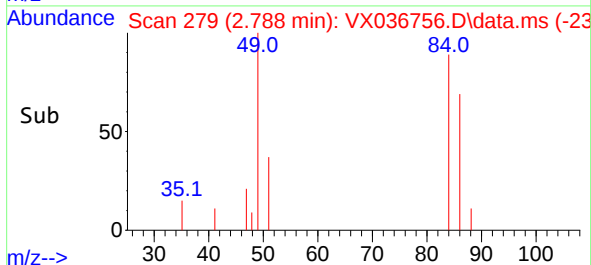
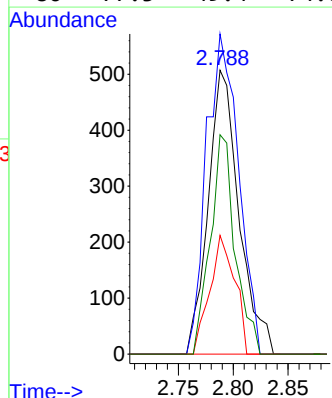
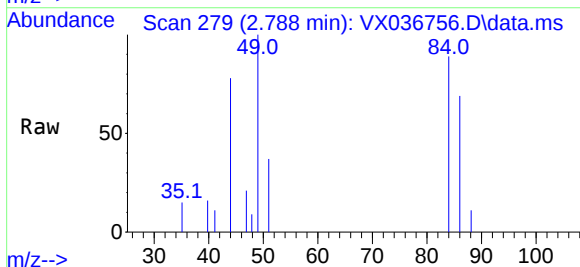
Instrument :
MSVOA_X
ClientSampleId :
BUILDING-A-8-(0-5)ME

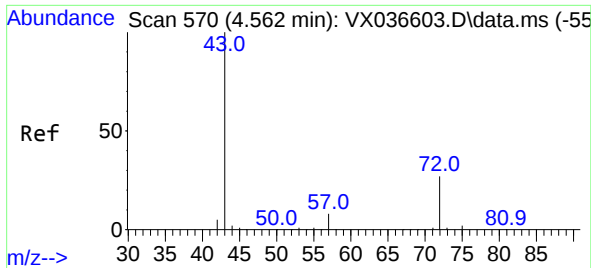
Tgt Ion: 76 Resp: 1257
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#20
Methylene Chloride
Concen: 0.524 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

Tgt Ion: 84 Resp: 994
Ion Ratio Lower Upper
84 100
49 112.8 103.6 155.4
51 41.8 33.8 50.6
86 77.3 49.4 74.0#

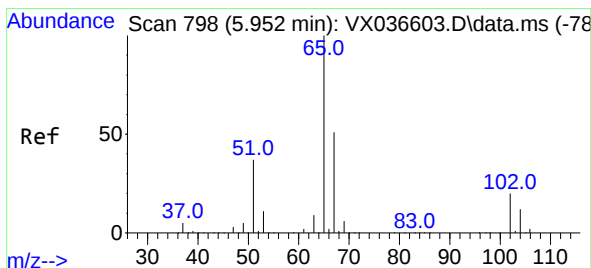
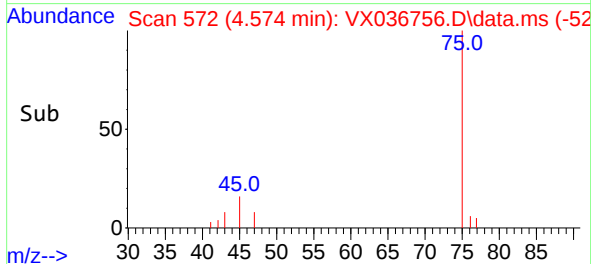
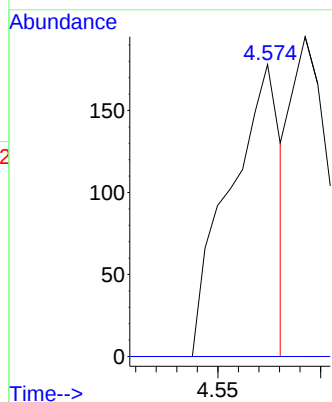
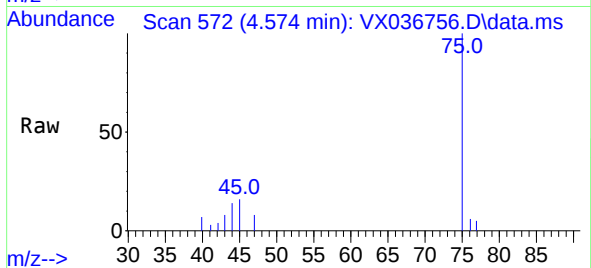




#25
2-Butanone
Concen: 0.220 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

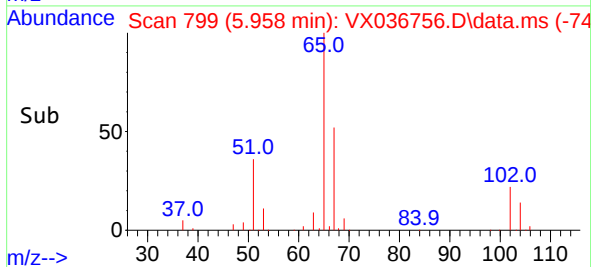
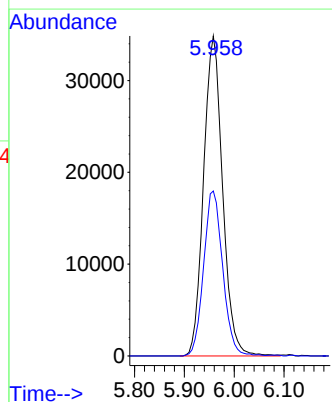
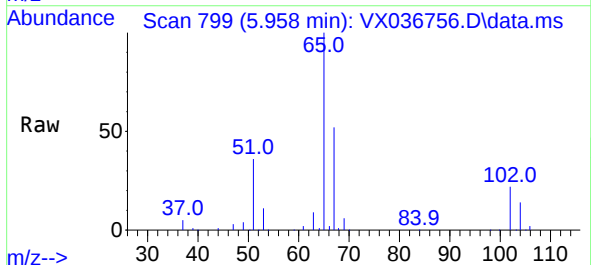
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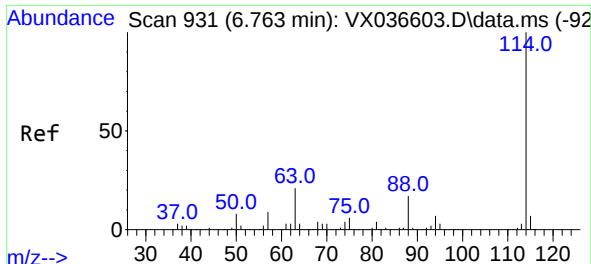
Tgt Ion: 43 Resp: 304
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#33
1,2-Dichloroethane-d4
Concen: 44.950 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

Tgt Ion: 65 Resp: 92346
Ion Ratio Lower Upper
65 100
67 51.7 0.0 100.2

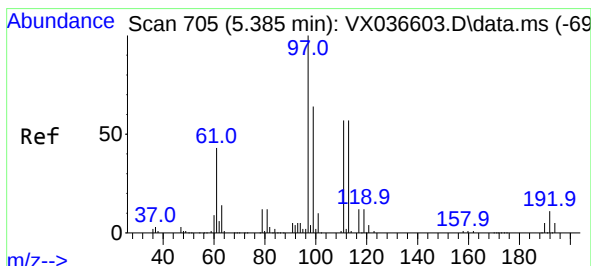
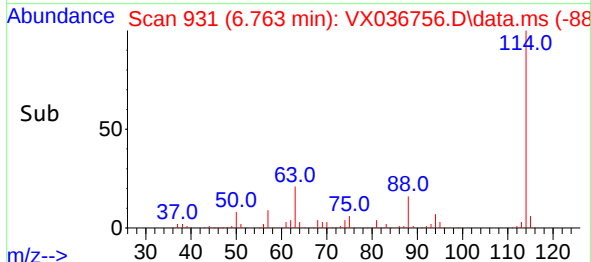
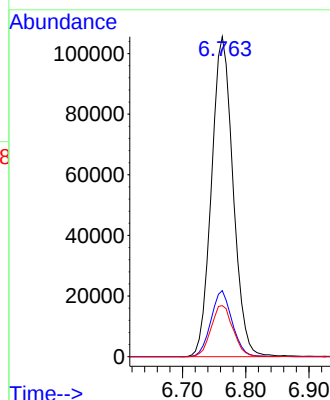
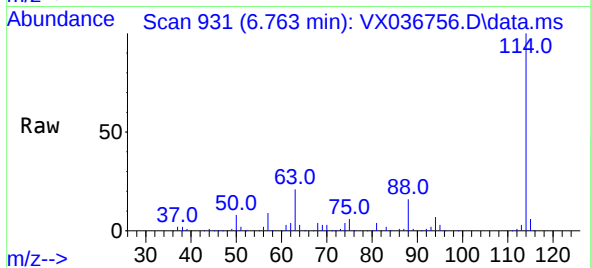




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

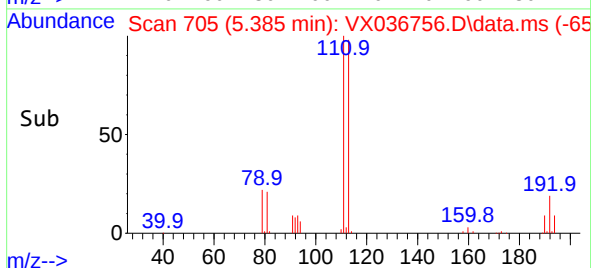
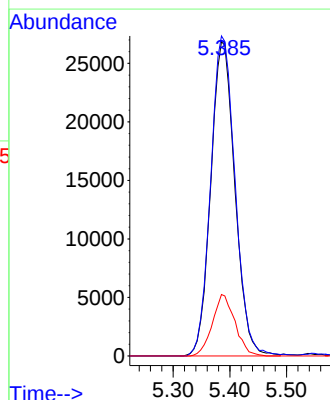
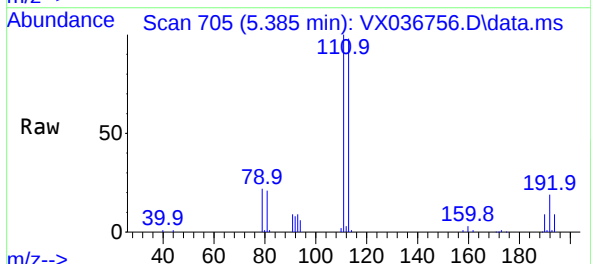
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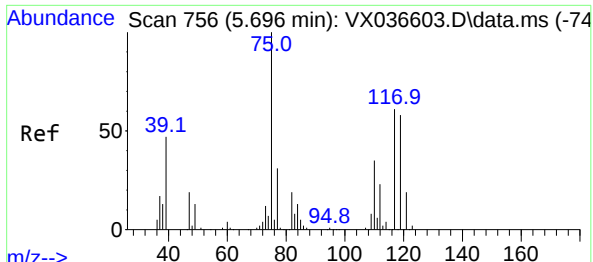
Tgt Ion:114 Resp: 249497
Ion Ratio Lower Upper
114 100
63 20.6 0.0 45.0
88 16.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.194 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

Tgt Ion:113 Resp: 79219
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 18.3 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.442 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX036756.D

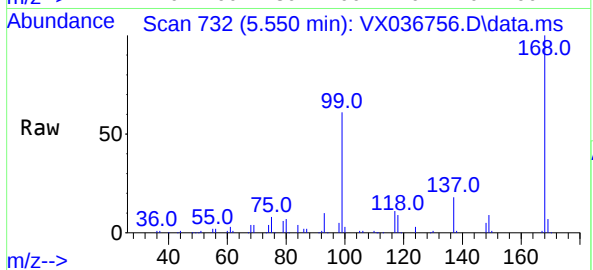
Acq: 01 Aug 2023 18:14

Instrument :

MSVOA_X

ClientSampleId :

BUILDING-A-8-(0-5)ME



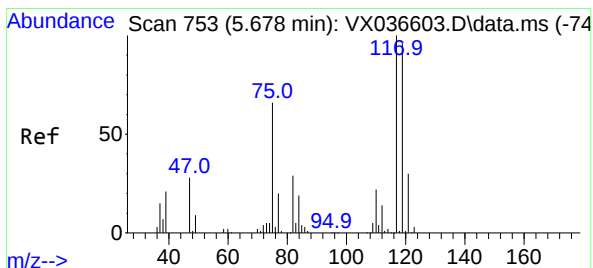
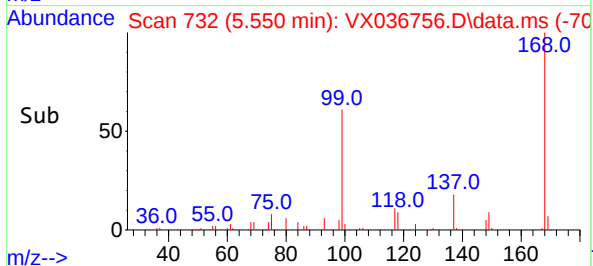
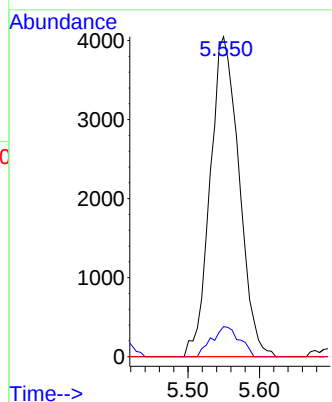
Tgt Ion: 75 Resp: 11355

Ion Ratio Lower Upper

75 100

110 9.0 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.398 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX036756.D

Acq: 01 Aug 2023 18:14

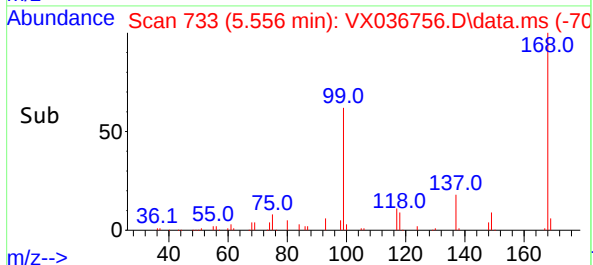
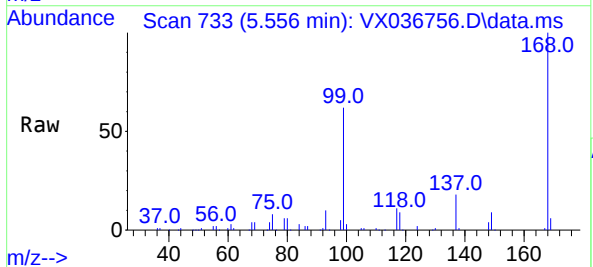
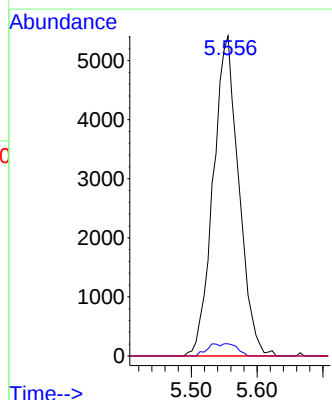
Tgt Ion: 117 Resp: 14669

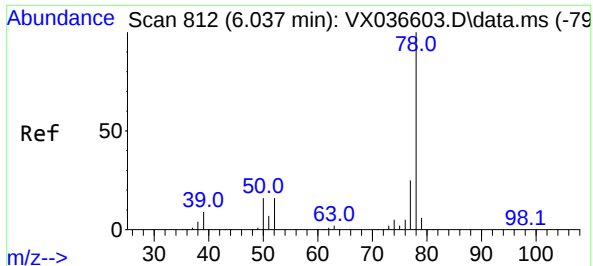
Ion Ratio Lower Upper

117 100

119 3.8 78.2 117.2#

121 0.0 24.4 36.6#

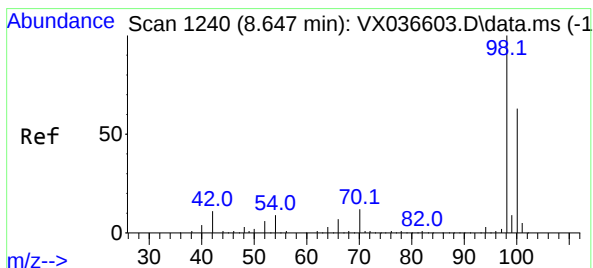
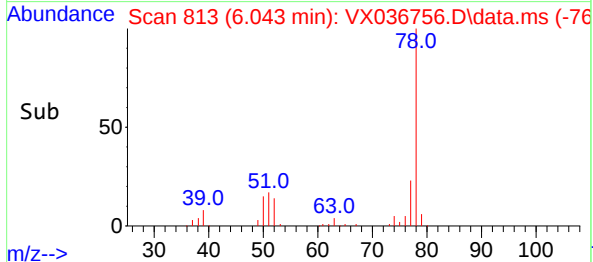
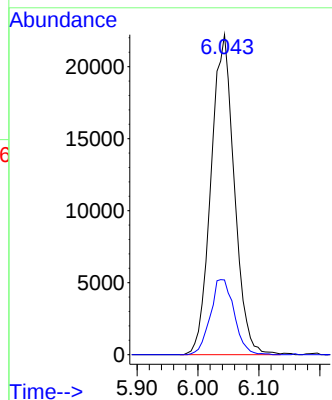
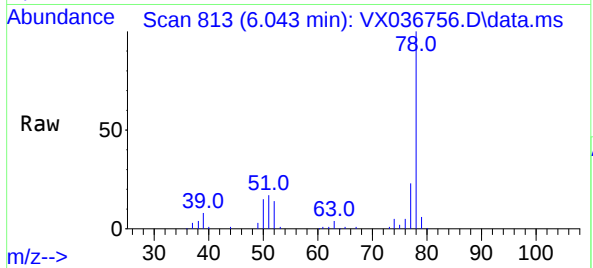




#40
Benzene
Concen: 7.919 ug/l
RT: 6.043 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

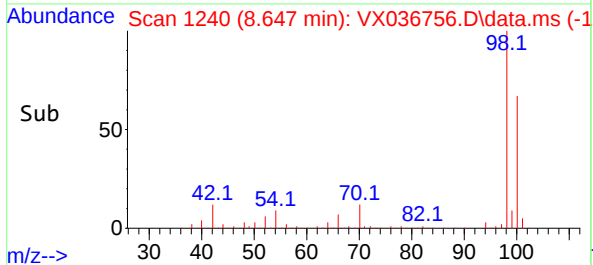
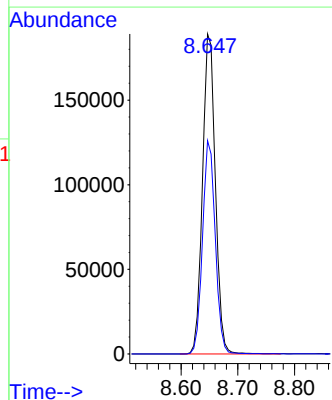
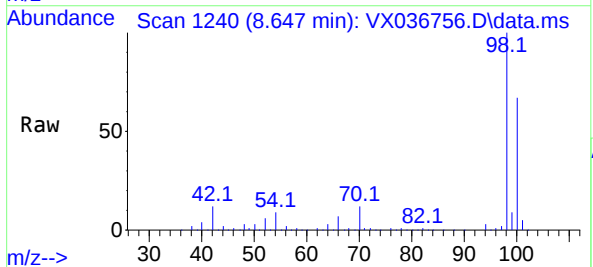
Instrument :
MSVOA_X
ClientSampleId :
BUILDING-A-8-(0-5)ME

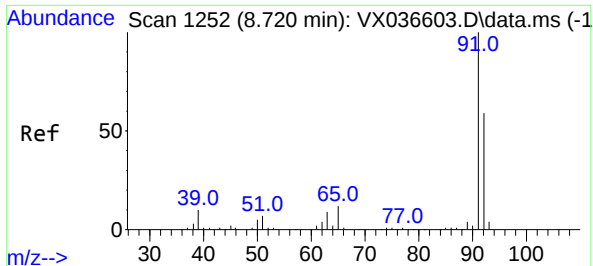
Tgt Ion: 78 Resp: 58892
Ion Ratio Lower Upper
78 100
77 23.3 19.3 28.9



#50
Toluene-d8
Concen: 48.886 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

Tgt Ion: 98 Resp: 297298
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7

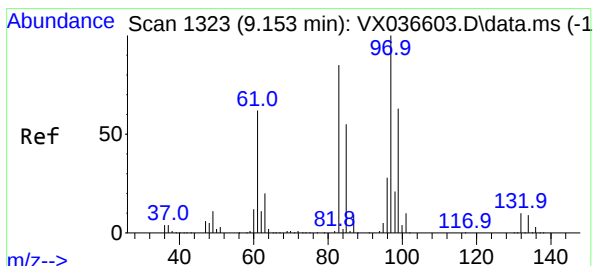
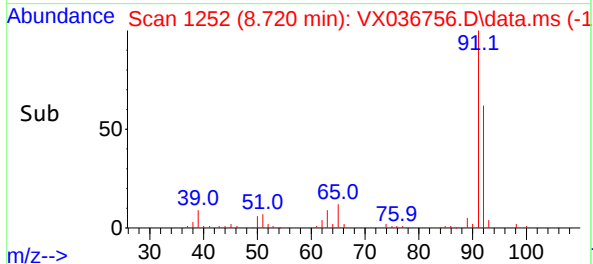
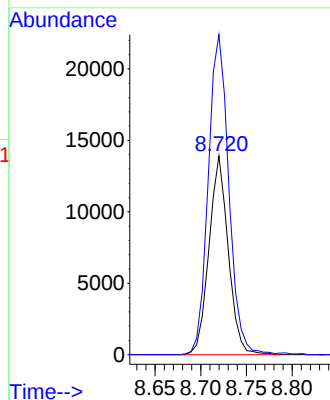
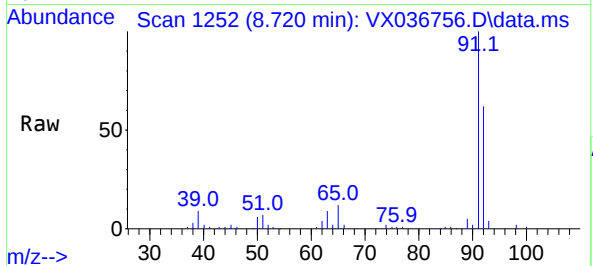




#52
Toluene
Concen: 4.384 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

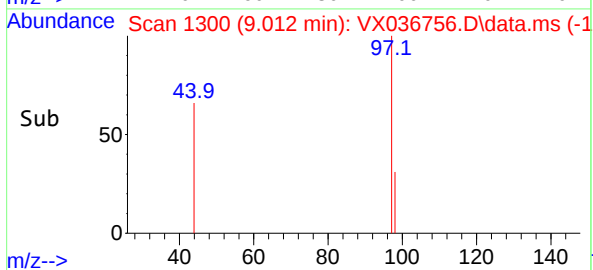
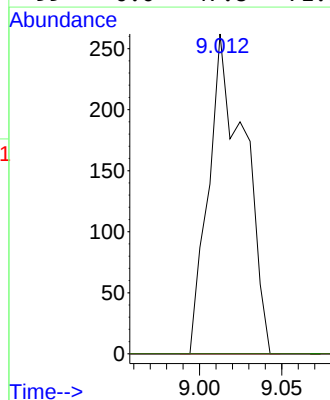
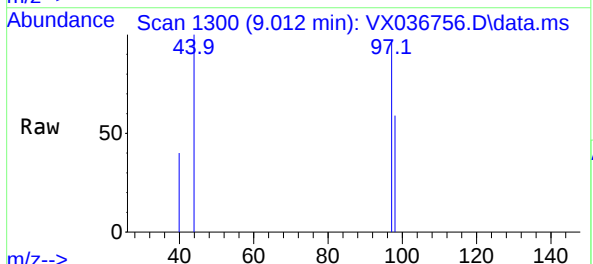
Instrument :
MSVOA_X
ClientSampleId :
BUILDING-A-8-(0-5)ME

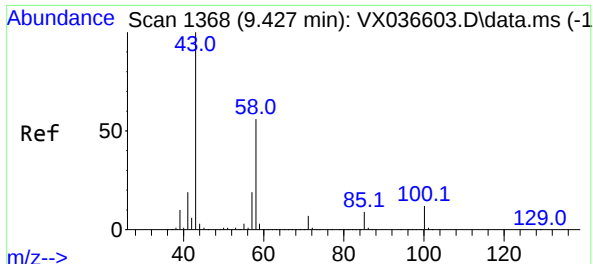
Tgt Ion: 92 Resp: 20430
Ion Ratio Lower Upper
92 100
91 172.5 134.2 201.2



#55
1,1,2-Trichloroethane
Concen: 0.203 ug/l
RT: 9.012 min Scan# 1300
Delta R.T. -0.140 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

Tgt Ion: 97 Resp: 397
Ion Ratio Lower Upper
97 100
83 0.0 65.8 98.8#
85 0.0 41.6 62.4#
99 0.0 47.8 71.8#





#59

2-Hexanone

Concen: 0.207 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX036756.D

Acq: 01 Aug 2023 18:14

Instrument :

MSVOA_X

ClientSampleId :

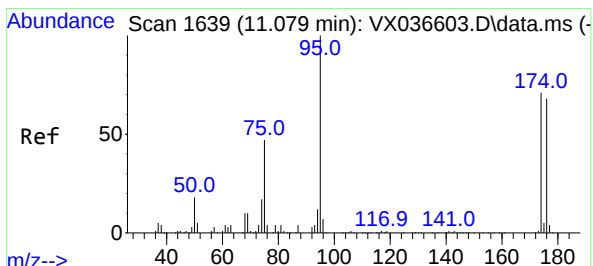
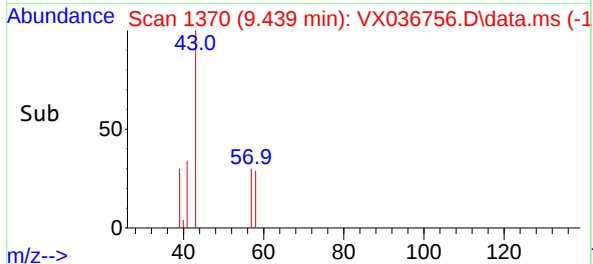
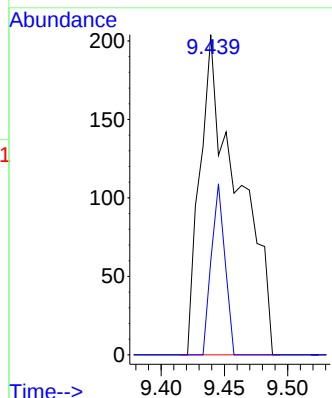
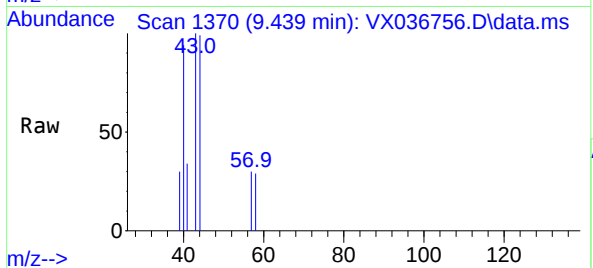
BUILDING-A-8-(0-5)ME

Tgt Ion: 43 Resp: 423

Ion Ratio Lower Upper

43 100

58 19.1 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 47.474 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX036756.D

Acq: 01 Aug 2023 18:14

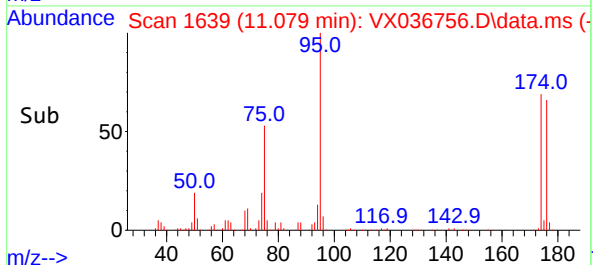
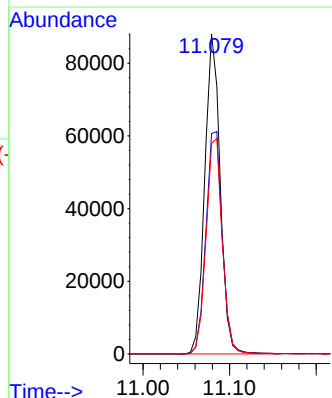
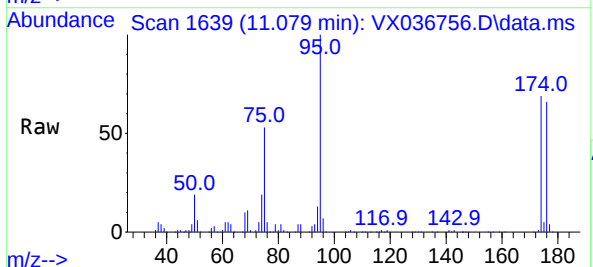
Tgt Ion: 95 Resp: 108925

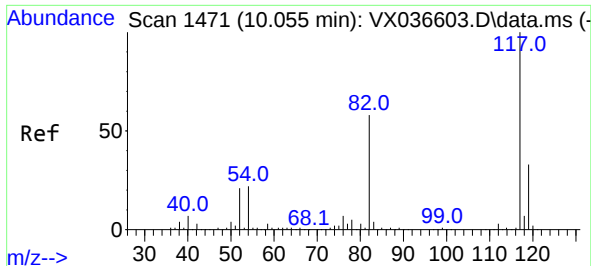
Ion Ratio Lower Upper

95 100

174 73.9 0.0 135.6

176 70.8 0.0 131.0

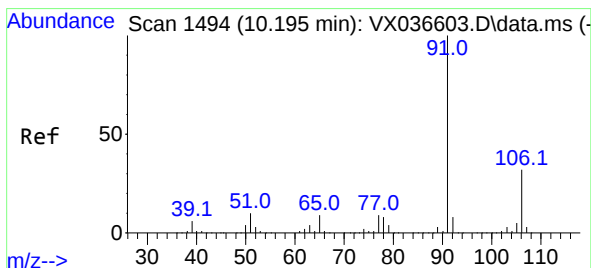
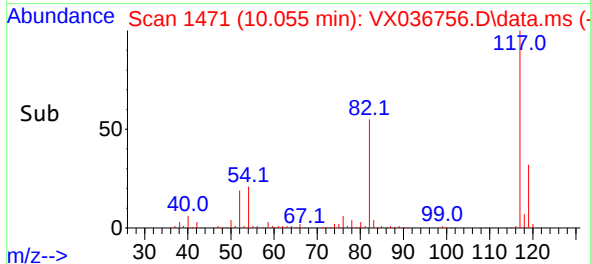
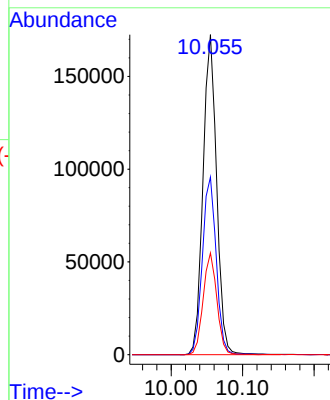
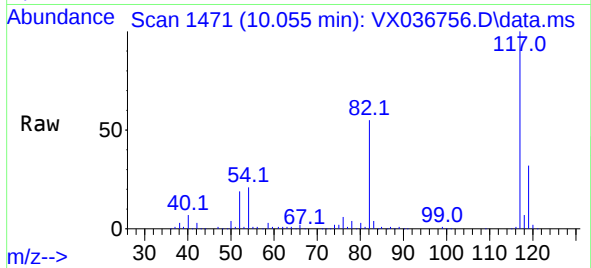




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

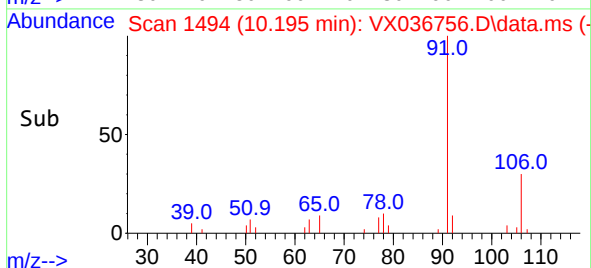
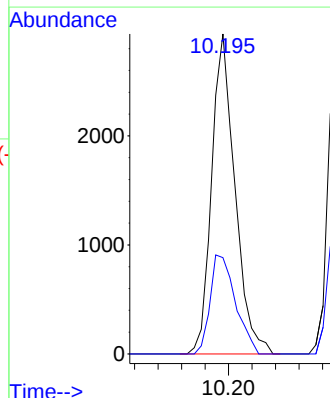
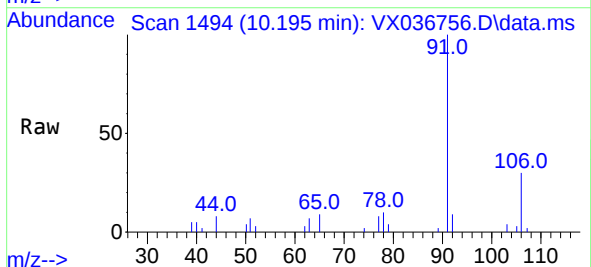
Instrument :
MSVOA_X
ClientSampleId :
BUILDING-A-8-(0-5)ME

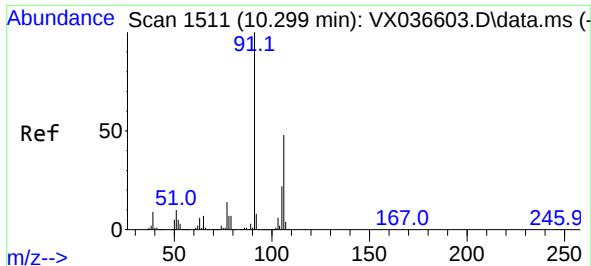
Tgt Ion:117 Resp: 228346
Ion Ratio Lower Upper
117 100
82 55.5 46.2 69.4
119 31.8 25.5 38.3



#67
Ethyl Benzene
Concen: 0.440 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

Tgt Ion: 91 Resp: 4043
Ion Ratio Lower Upper
91 100
106 30.1 24.9 37.3

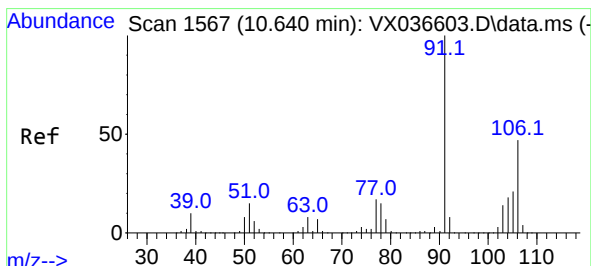
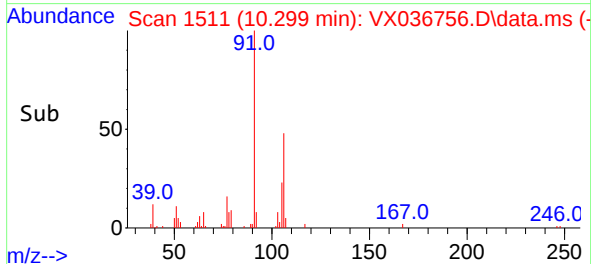
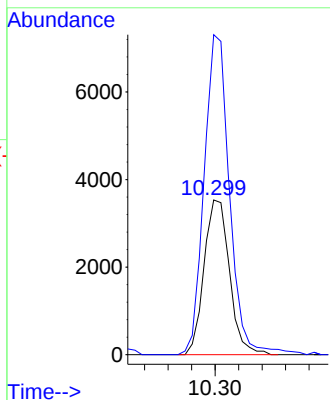
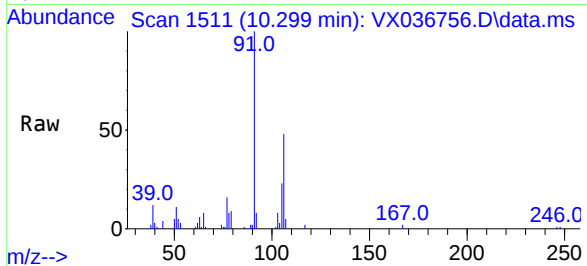




#68
m/p-Xylenes
Concen: 1.546 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

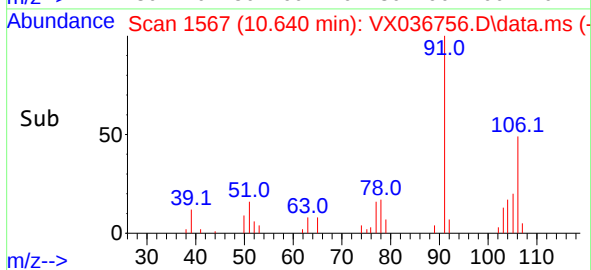
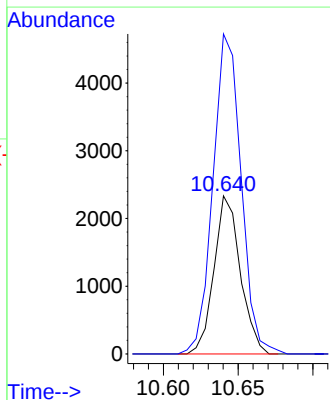
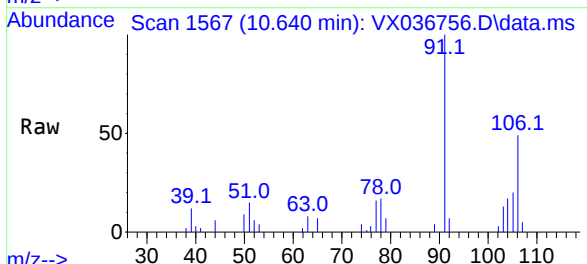
Instrument :
MSVOA_X
ClientSampleId :
BUILDING-A-8-(0-5)ME

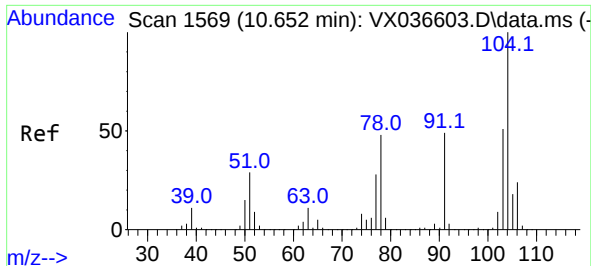
Tgt Ion:106 Resp: 5303
Ion Ratio Lower Upper
106 100
91 207.2 165.5 248.3



#69
o-Xylene
Concen: 0.834 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

Tgt Ion:106 Resp: 2856
Ion Ratio Lower Upper
106 100
91 216.5 108.9 326.8

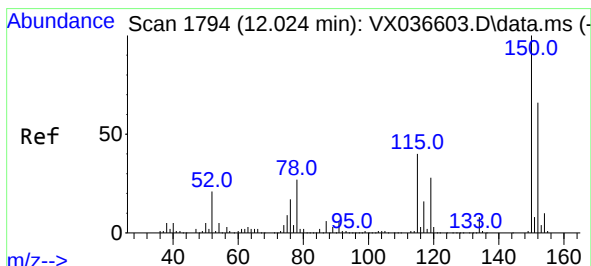
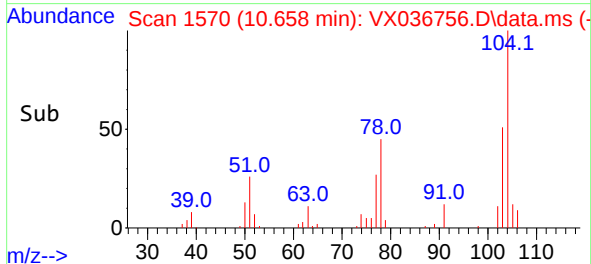
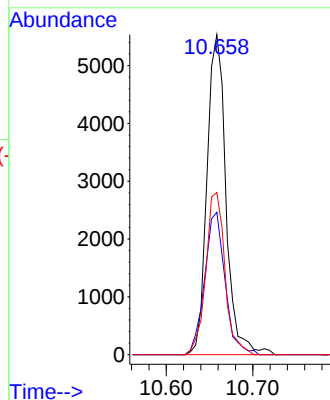
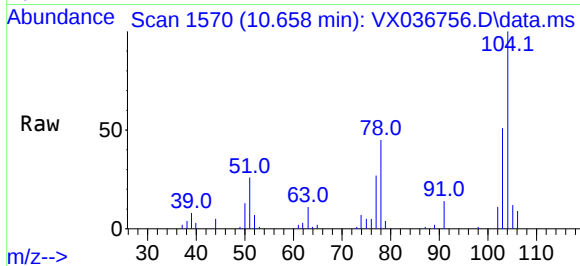




#70
Styrene
Concen: 1.493 ug/l
RT: 10.658 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

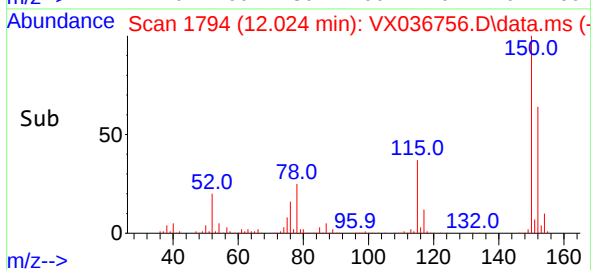
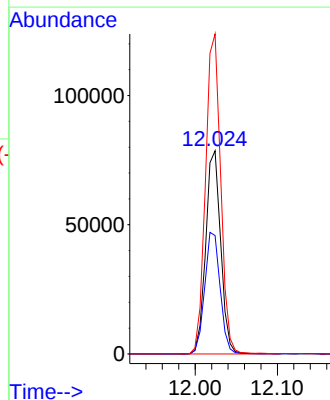
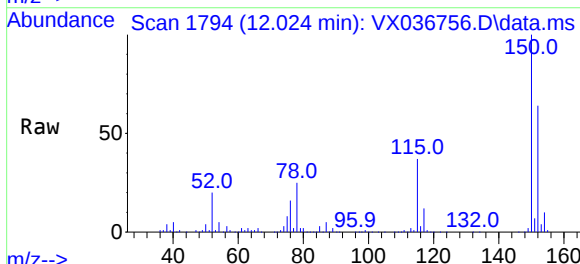
Instrument :
MSVOA_X
ClientSampleId :
BUILDING-A-8-(0-5)ME

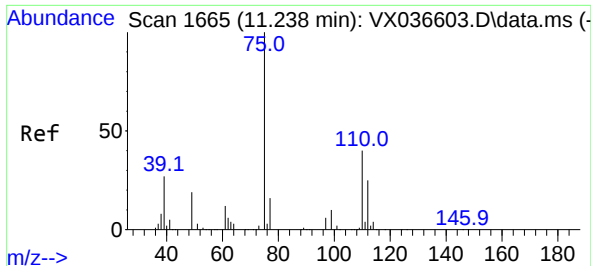
Tgt Ion:104 Resp: 8433
Ion Ratio Lower Upper
104 100
78 48.1 43.6 65.4
103 51.2 43.6 65.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

Tgt Ion:152 Resp: 99743
Ion Ratio Lower Upper
152 100
115 61.5 43.3 129.9
150 159.0 0.0 345.0

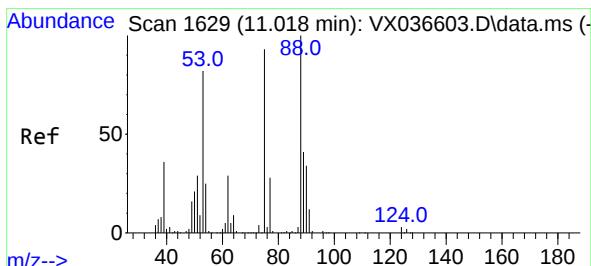
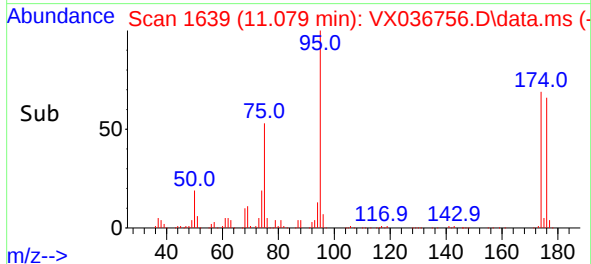
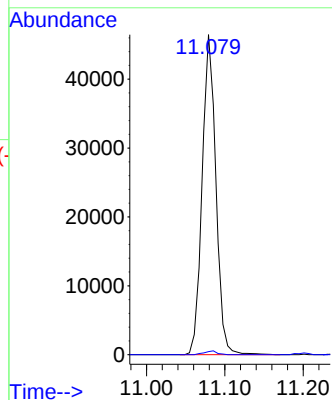
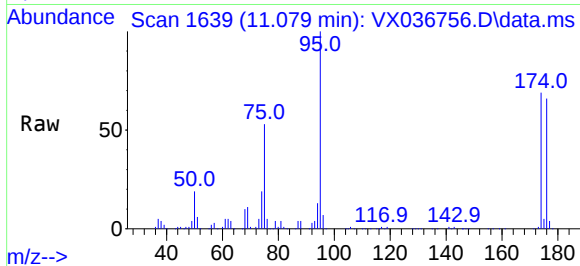




#76
1,2,3-Trichloropropane
Concen: 24.134 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

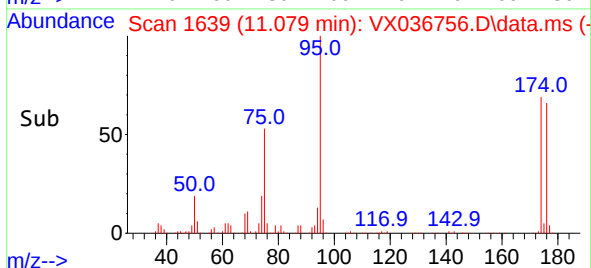
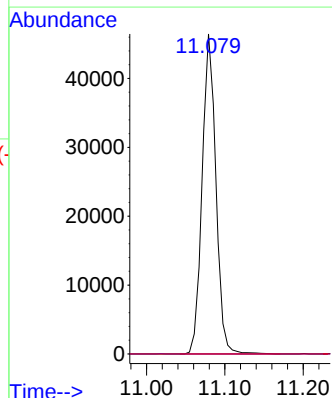
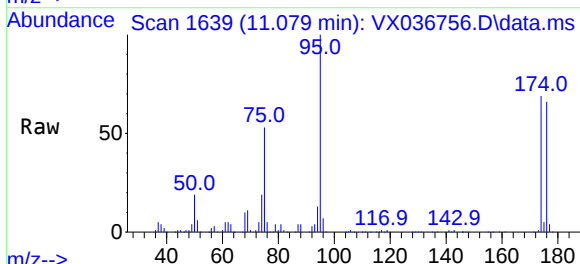
Instrument :
MSVOA_X
ClientSampleId :
BUILDING-A-8-(0-5)ME

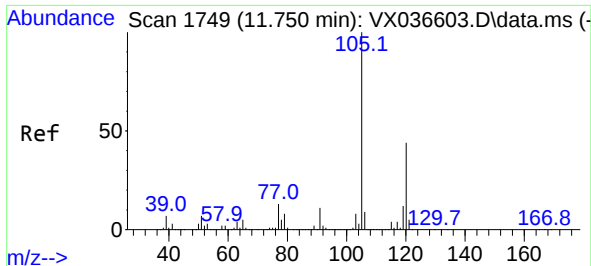
Tgt Ion: 75 Resp: 56621
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.702 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

Tgt Ion: 75 Resp: 56621
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

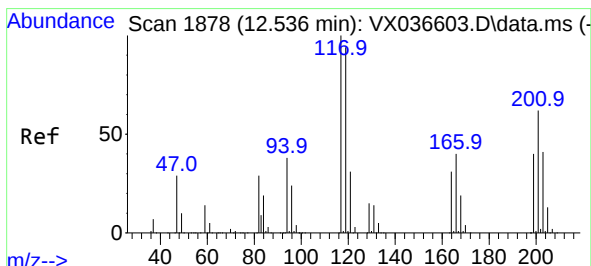
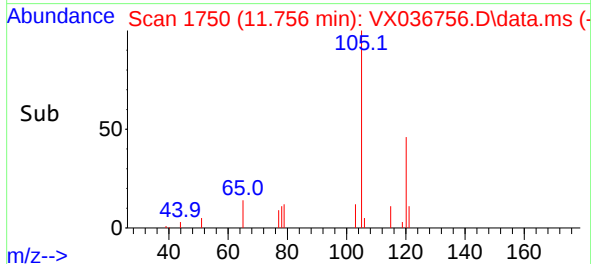
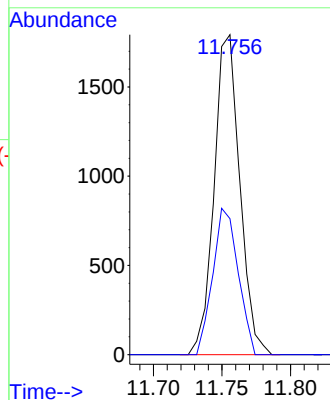
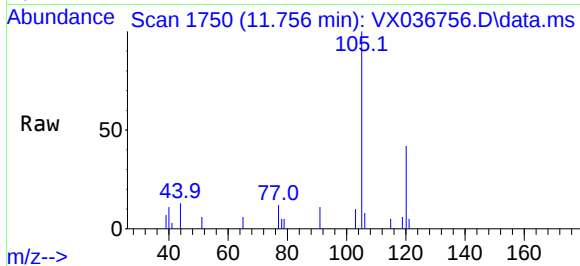




#84
1,2,4-Trimethylbenzene
Concen: 0.339 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

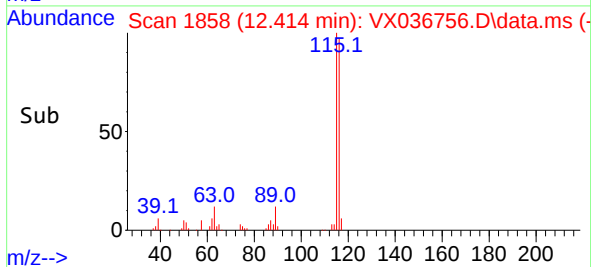
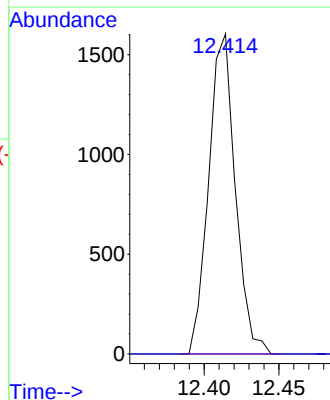
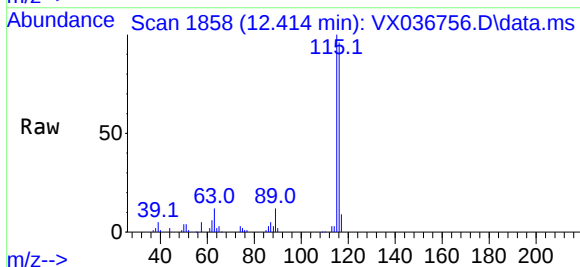
Instrument :
MSVOA_X
ClientSampleId :
BUILDING-A-8-(0-5)ME

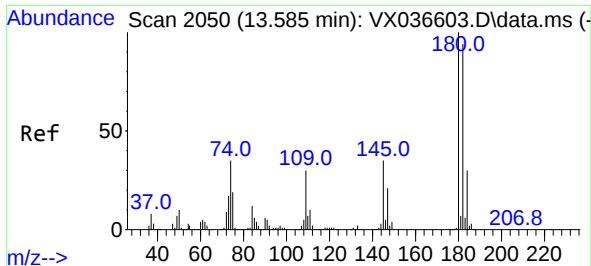
Tgt Ion:105 Resp: 2339
Ion Ratio Lower Upper
105 100
120 45.1 21.2 63.6



#90
Hexachloroethane
Concen: 1.408 ug/l
RT: 12.414 min Scan# 1858
Delta R.T. -0.122 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

Tgt Ion:117 Resp: 1987
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#

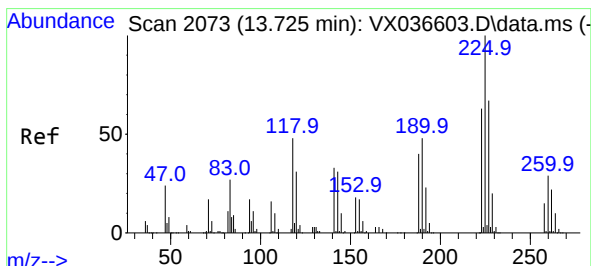
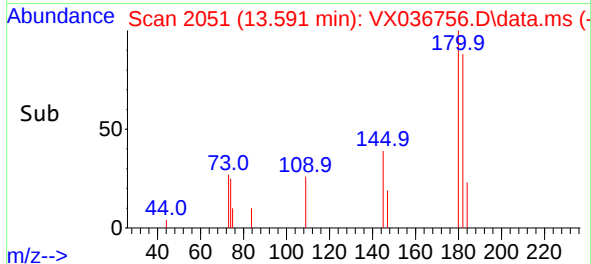
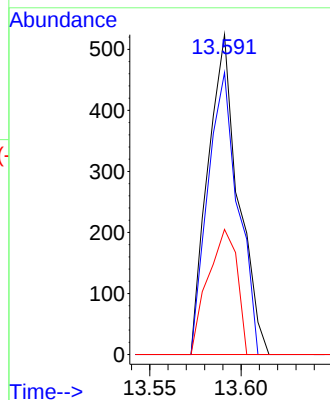
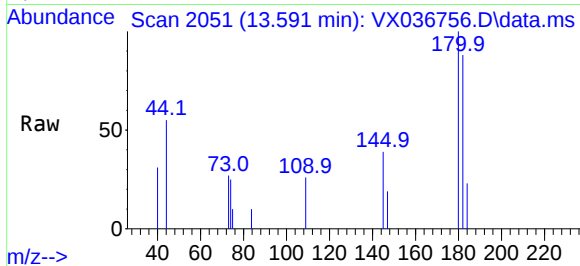




#93
1,2,4-Trichlorobenzene
Concen: 0.293 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

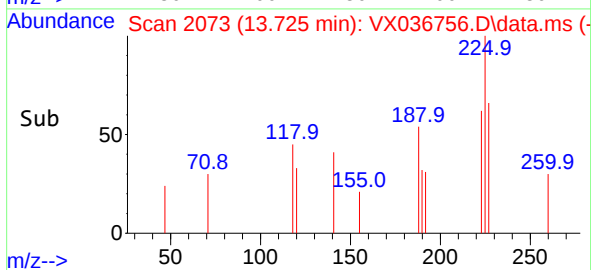
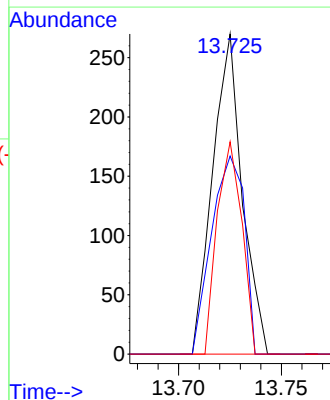
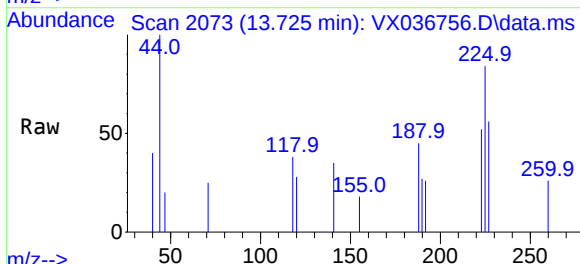
Instrument :
MSVOA_X
ClientSampleId :
BUILDING-A-8-(0-5)ME

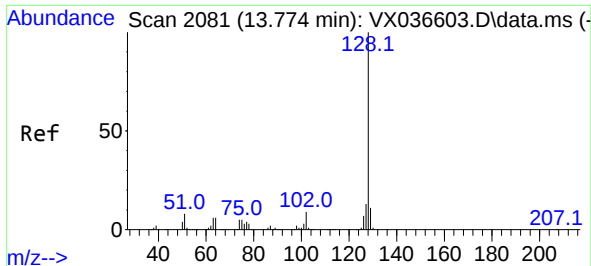
Tgt Ion:180	Resp:	606
Ion	Ratio	Lower Upper
180	100	
182	87.6	48.3 144.8
145	37.6	18.0 54.0



#94
Hexachlorobutadiene
Concen: 0.315 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

Tgt Ion:225	Resp:	270
Ion	Ratio	Lower Upper
225	100	
223	68.9	31.1 93.2
227	55.6	32.5 97.5

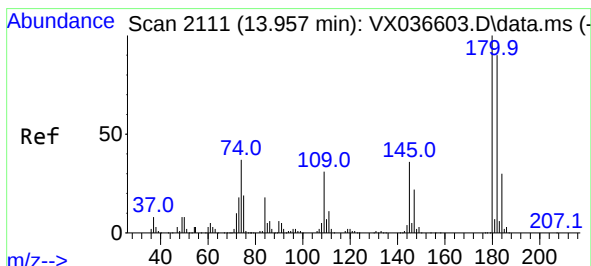
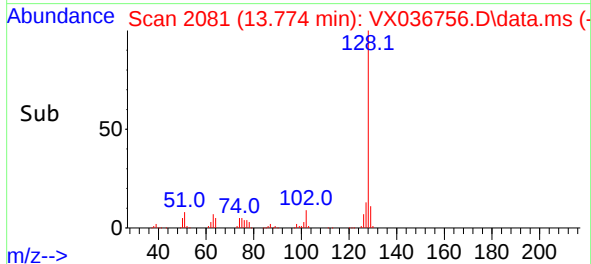
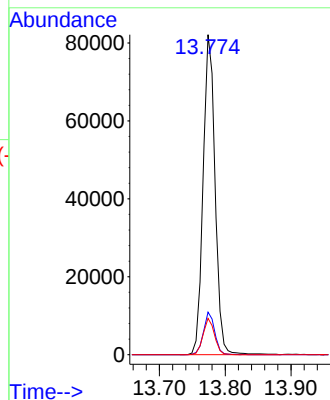
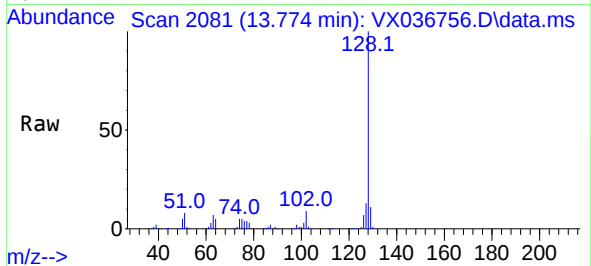




#95
Naphthalene
Concen: 14.407 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

Instrument :
MSVOA_X
ClientSampleId :
BUILDING-A-8-(0-5)ME

Tgt Ion:	128	Resp:	103924
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.3	15.5
129	10.8	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.314 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX036756.D
Acq: 01 Aug 2023 18:14

Tgt Ion:	180	Resp:	640
Ion Ratio	Lower	Upper	
180	100		
182	100.0	46.9	140.6
145	36.4	17.8	53.5

