

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080223\
 Data File : VX036781.D
 Acq On : 02 Aug 2023 19:29
 Operator : JC/MD
 Sample : 03881-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50107

Quant Time: Aug 03 07:31:10 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)

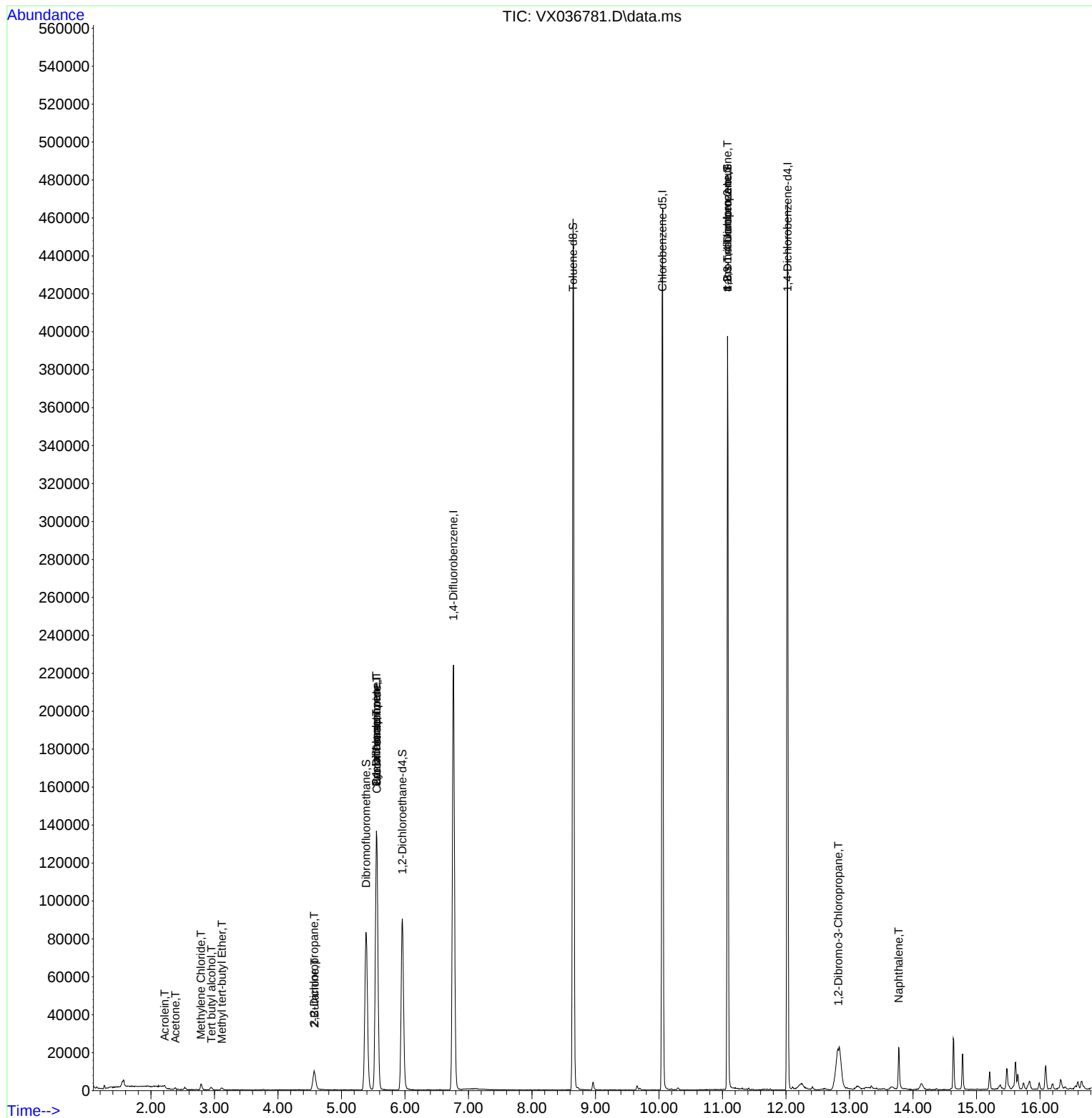
Internal Standards						
1) Pentafluorobenzene	5.550	168	126414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	230644	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88393	47.257	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.520%		
35) Dibromofluoromethane	5.385	113	73362	46.276	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.560%		
50) Toluene-d8	8.647	98	276548	49.191	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.380%		
62) 4-Bromofluorobenzene	11.079	95	103612	48.849	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.700%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.953	59	985	2.224	ug/l #	78
13) Acrolein	2.215	56	153	0.605	ug/l #	1
16) Acetone	2.386	43	1091	1.406	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	1181	0.222	ug/l	93
20) Methylene Chloride	2.788	84	1581	0.916	ug/l	89
25) 2-Butanone	4.574	43	802	0.637	ug/l #	51
26) 2,2-Dichloropropane	4.568	77	837	0.299	ug/l #	54
31) Cyclohexane	5.550	56	2738	1.057	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10820	4.579	ug/l #	50
38) Carbon Tetrachloride	5.556	117	13556	5.396	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	54430	23.446	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	54430	53.141	ug/l #	5
92) 1,2-Dibromo-3-Chloropr...	12.823	75	493	0.769	ug/l #	9
95) Naphthalene	13.774	128	17244	2.416	ug/l	97

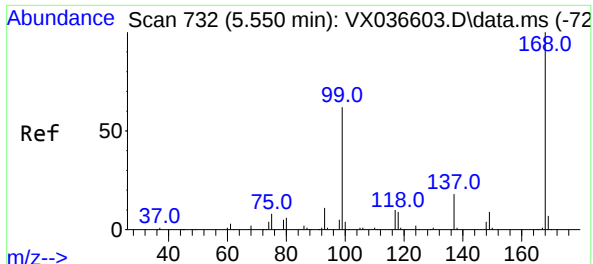
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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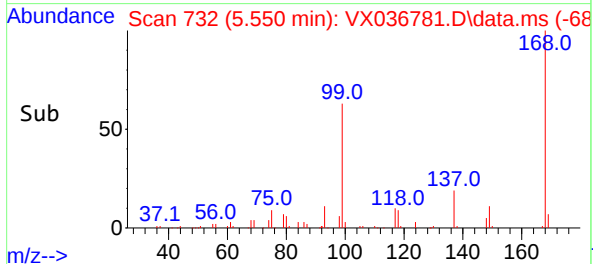
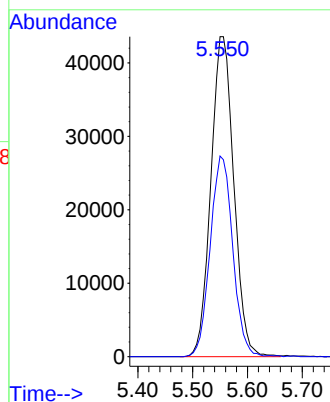
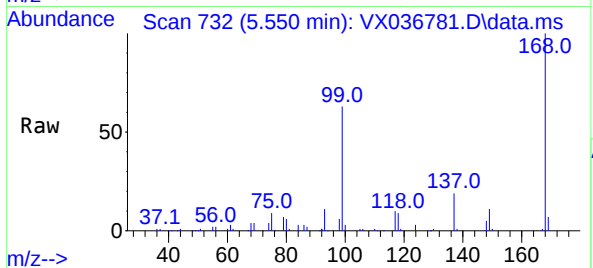




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX036781.D
Acq: 02 Aug 2023 19:29

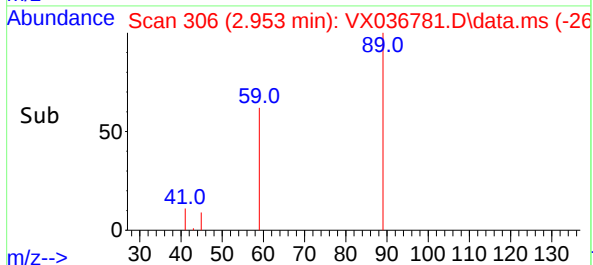
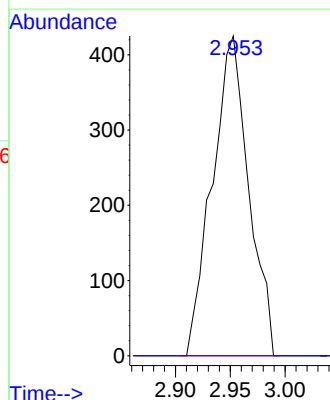
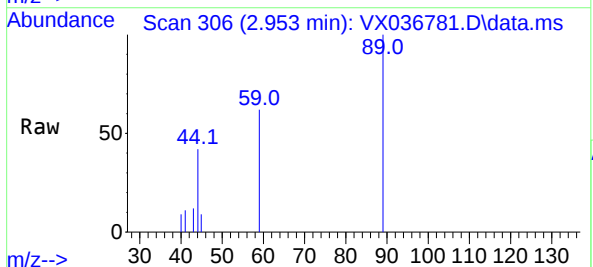
Instrument :
MSVOA_X
ClientSampleId :
50107

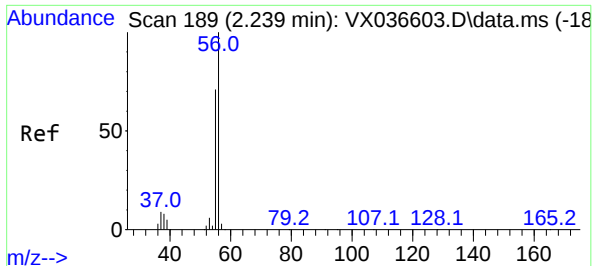
Tgt Ion:168 Resp: 126414
Ion Ratio Lower Upper
168 100
99 62.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 2.224 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX036781.D
Acq: 02 Aug 2023 19:29

Tgt Ion: 59 Resp: 985
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

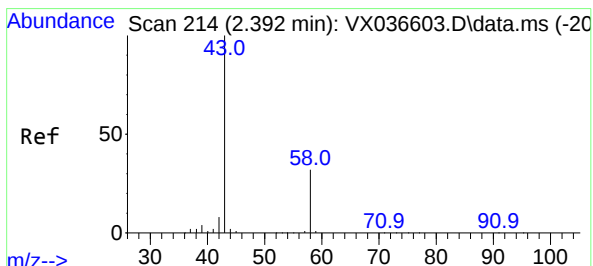
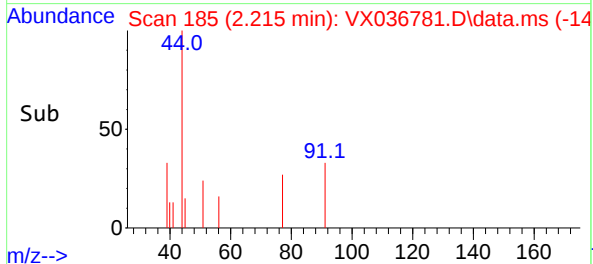
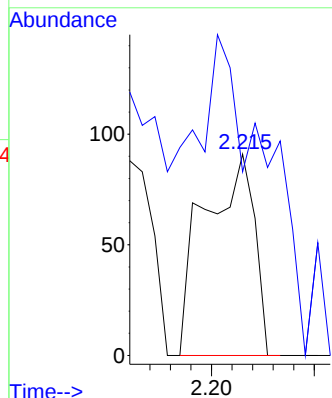
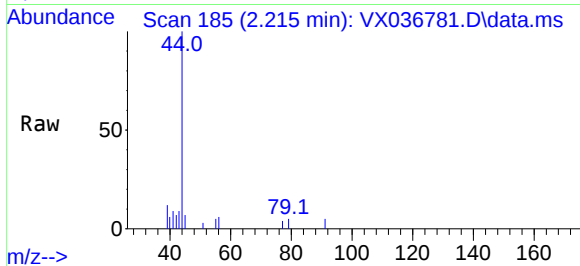




#13
Acrolein
Concen: 0.605 ug/l
RT: 2.215 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX036781.D
Acq: 02 Aug 2023 19:29

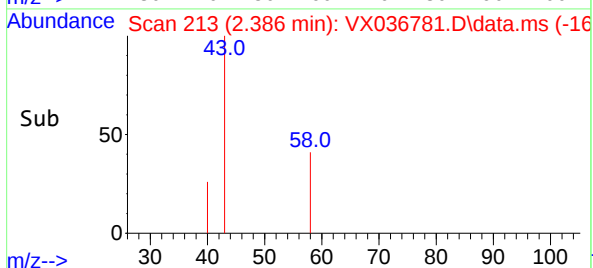
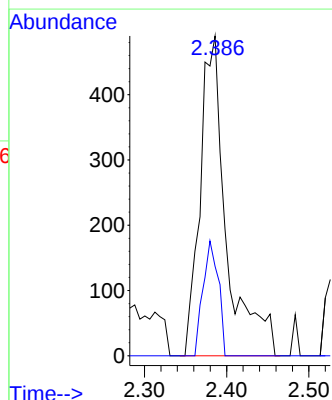
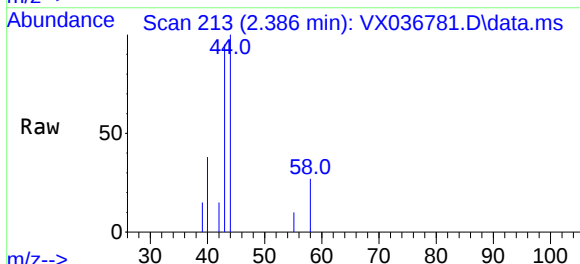
Instrument :
MSVOA_X
ClientSampleId :
50107

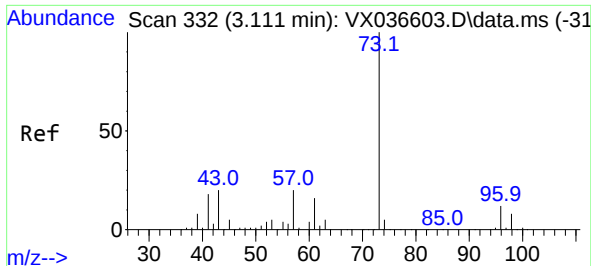
Tgt Ion: 56 Resp: 153
Ion Ratio Lower Upper
56 100
55 214.4 57.1 85.7#



#16
Acetone
Concen: 1.406 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX036781.D
Acq: 02 Aug 2023 19:29

Tgt Ion: 43 Resp: 1091
Ion Ratio Lower Upper
43 100
58 28.0 21.9 32.9





#19

Methyl tert-butyl Ether

Concen: 0.222 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX036781.D

Acq: 02 Aug 2023 19:29

Instrument :

MSVOA_X

ClientSampleId :

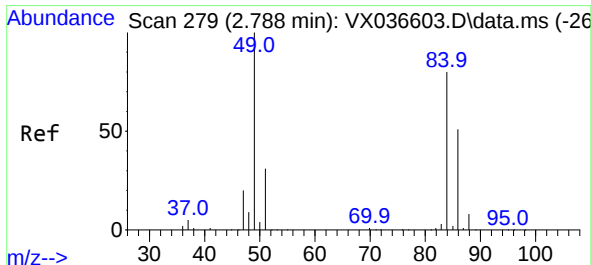
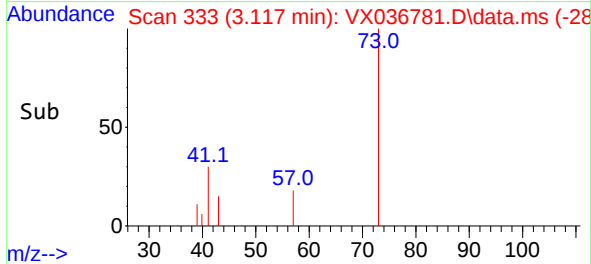
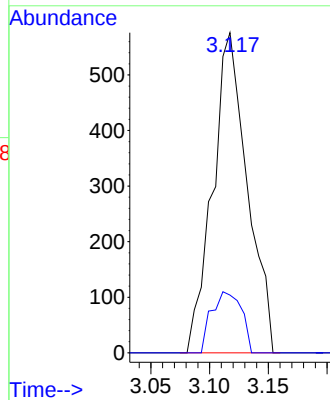
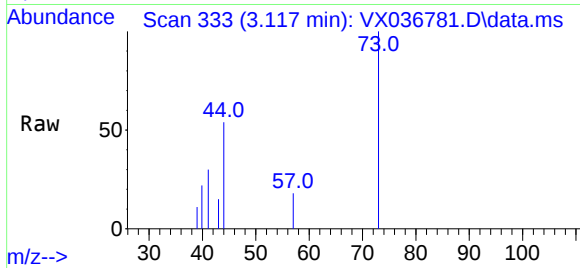
50107

Tgt Ion: 73 Resp: 1181

Ion Ratio Lower Upper

73 100

57 18.1 17.3 25.9



#20

Methylene Chloride

Concen: 0.916 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX036781.D

Acq: 02 Aug 2023 19:29

Tgt Ion: 84 Resp: 1581

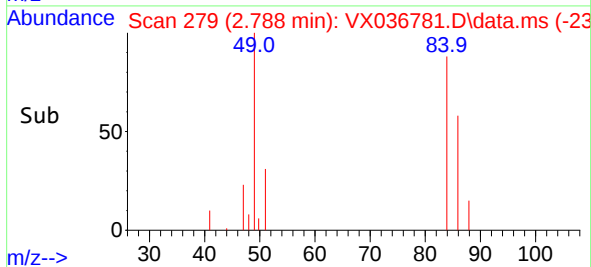
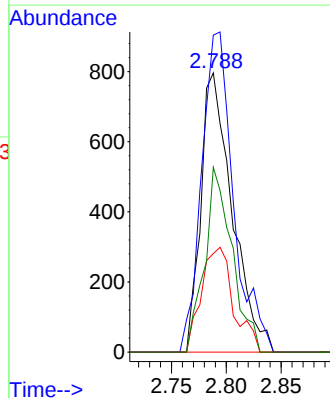
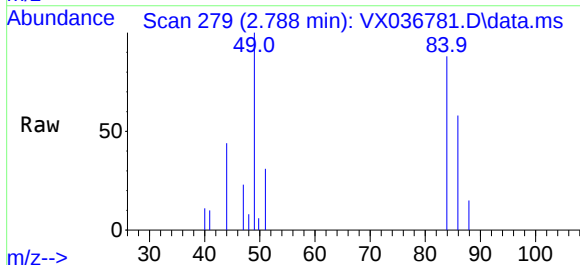
Ion Ratio Lower Upper

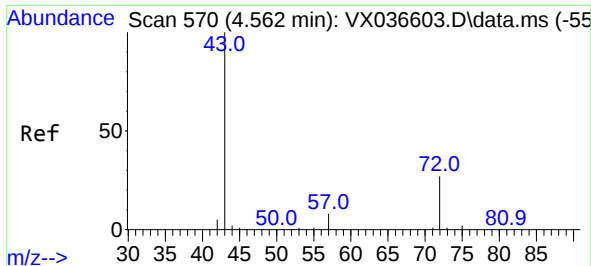
84 100

49 113.6 103.6 155.4

51 35.3 33.8 50.6

86 66.2 49.4 74.0





#25

2-Butanone

Concen: 0.637 ug/l

RT: 4.574 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX036781.D

Acq: 02 Aug 2023 19:29

Instrument :

MSVOA_X

ClientSampleId :

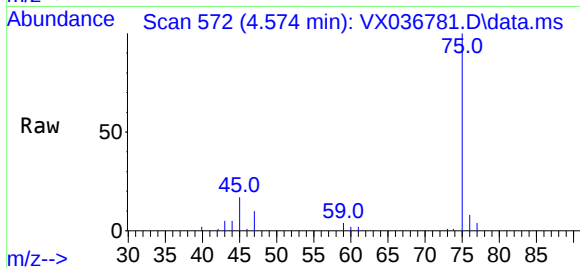
50107

Tgt Ion: 43 Resp: 802

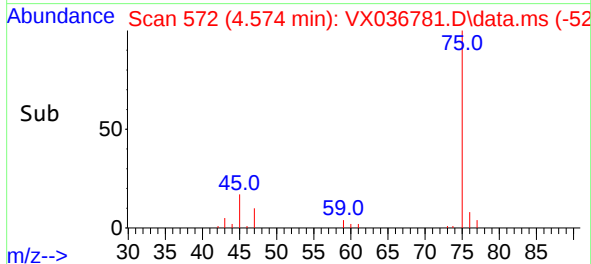
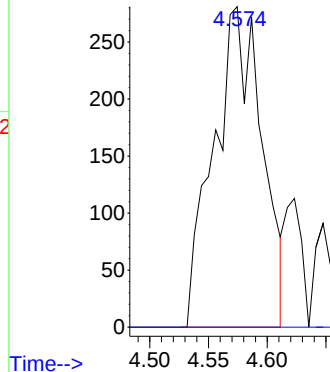
Ion Ratio Lower Upper

43 100

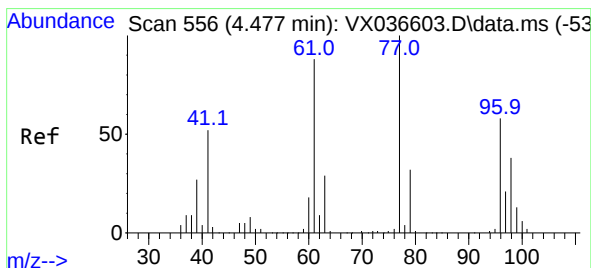
72 0.0 19.4 29.2#



Abundance



Time-->



#26

2,2-Dichloropropane

Concen: 0.299 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.092 min

Lab File: VX036781.D

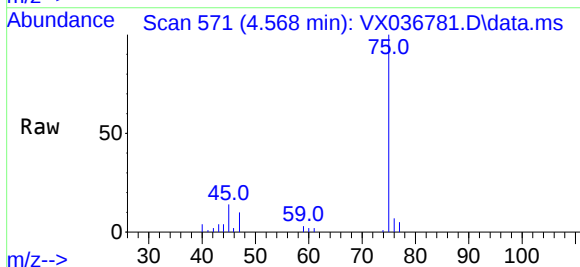
Acq: 02 Aug 2023 19:29

Tgt Ion: 77 Resp: 837

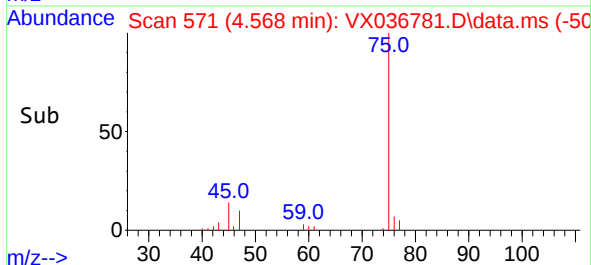
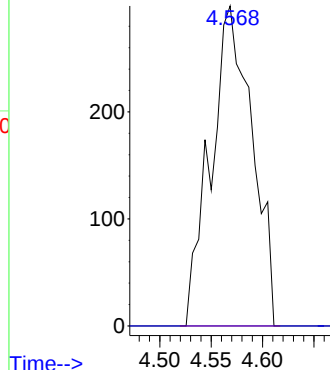
Ion Ratio Lower Upper

77 100

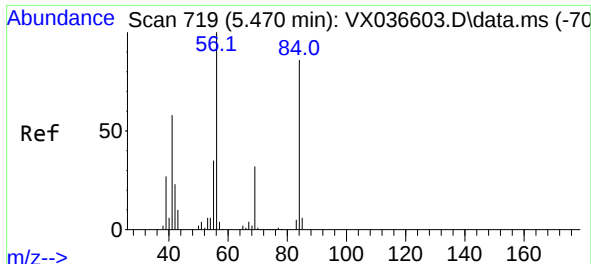
97 0.0 10.8 32.3#



Abundance



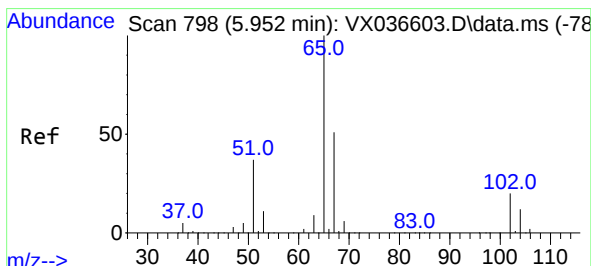
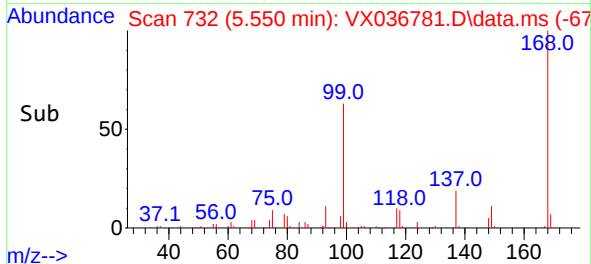
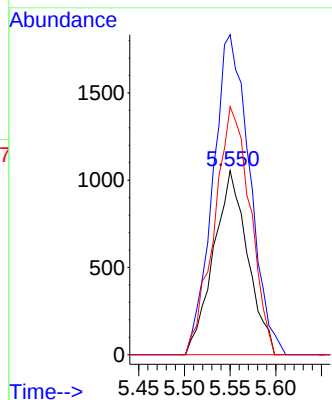
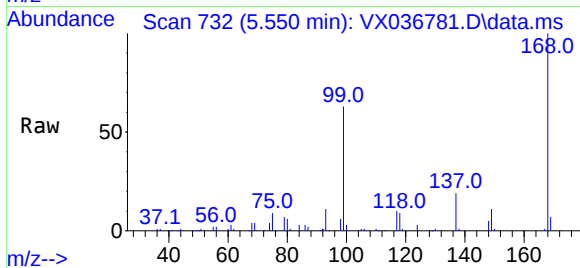
Time-->



#31
Cyclohexane
Concen: 1.057 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036781.D
Acq: 02 Aug 2023 19:29

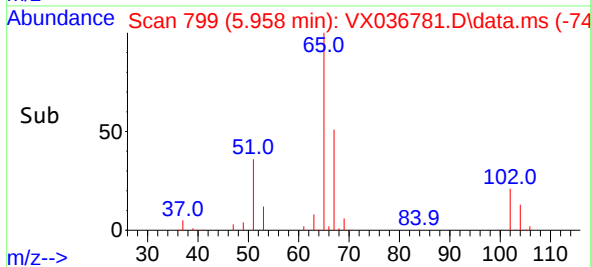
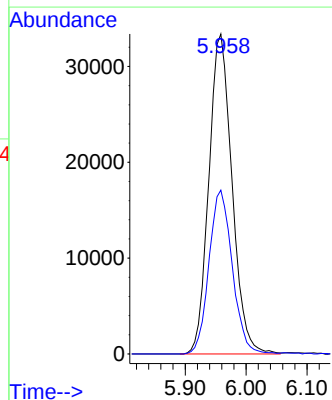
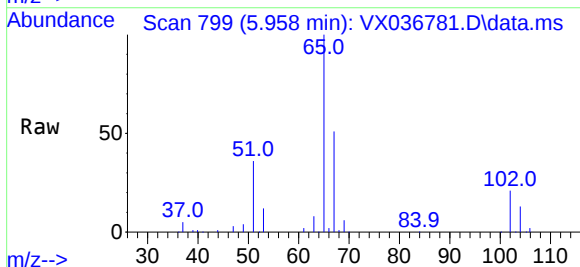
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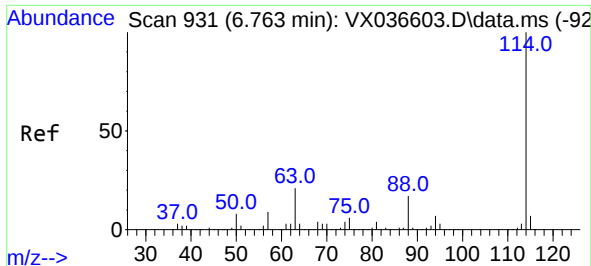
Tgt Ion: 56 Resp: 2738
Ion Ratio Lower Upper
56 100
69 173.8 23.4 35.2#
84 134.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.257 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036781.D
Acq: 02 Aug 2023 19:29

Tgt Ion: 65 Resp: 88393
Ion Ratio Lower Upper
65 100
67 51.4 0.0 100.2

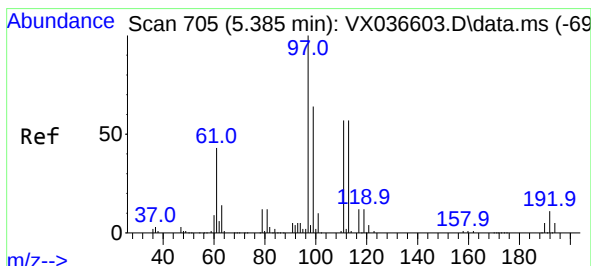
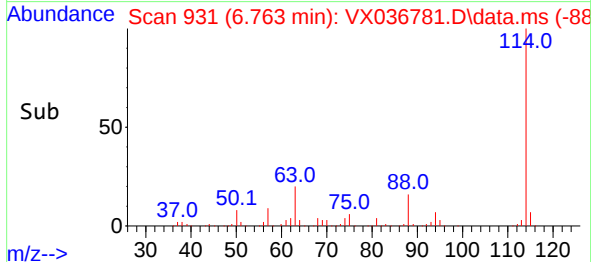
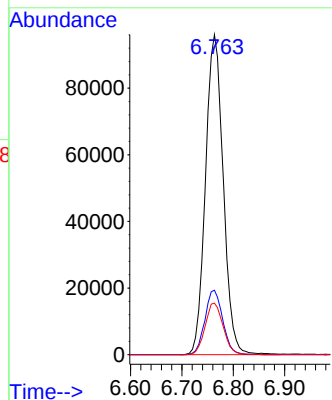
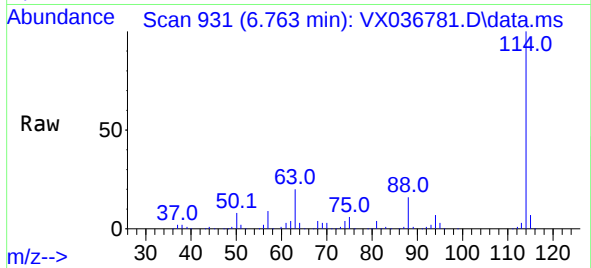




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX036781.D
Acq: 02 Aug 2023 19:29

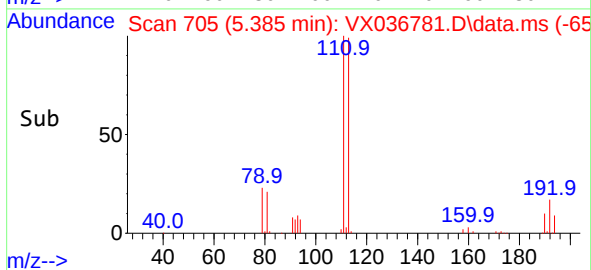
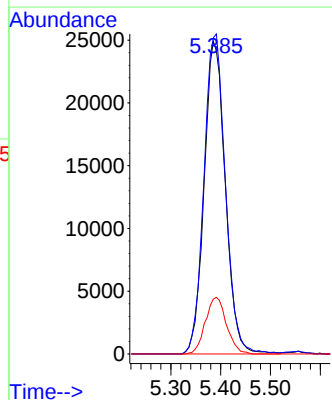
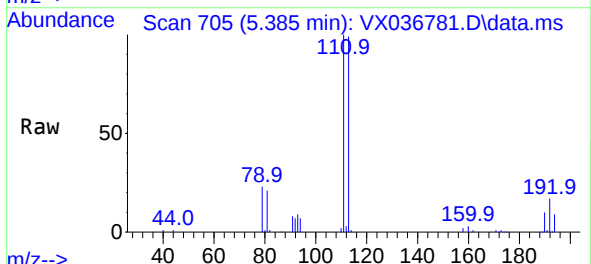
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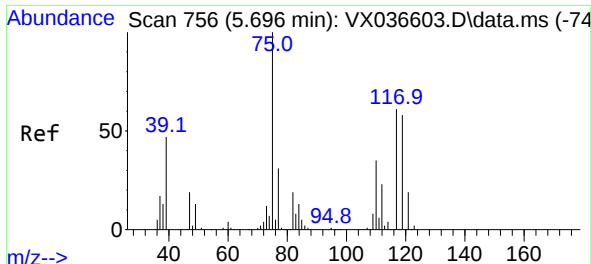
Tgt Ion:114 Resp: 230644
Ion Ratio Lower Upper
114 100
63 20.1 0.0 45.0
88 16.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.276 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036781.D
Acq: 02 Aug 2023 19:29

Tgt Ion:113 Resp: 73362
Ion Ratio Lower Upper
113 100
111 104.0 82.9 124.3
192 18.0 13.3 19.9

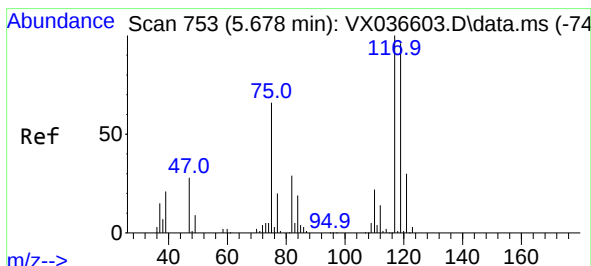
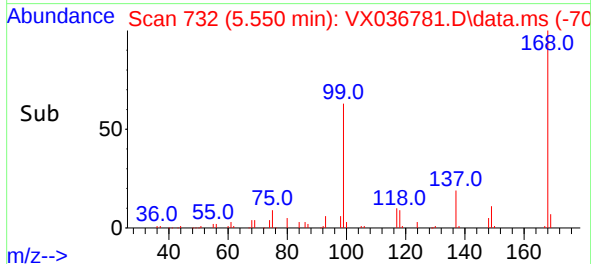
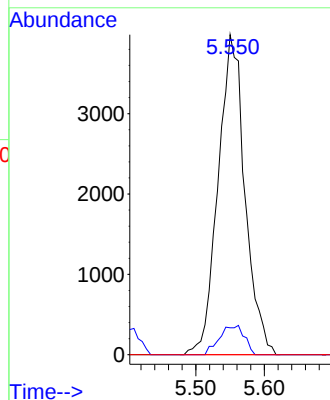
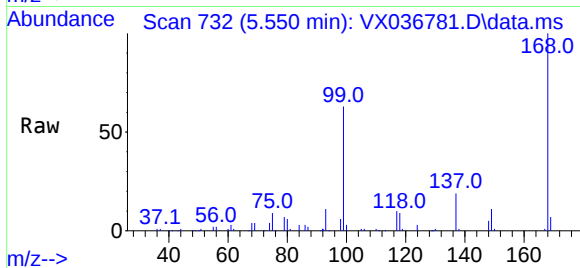




#36
1,1-Dichloropropene
Concen: 4.579 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036781.D
Acq: 02 Aug 2023 19:29

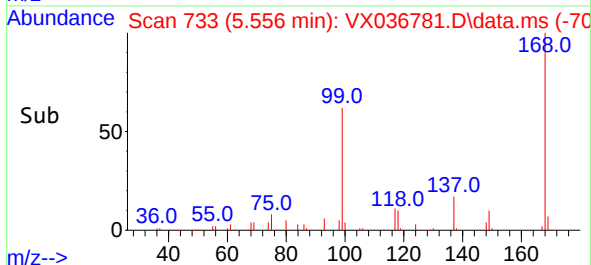
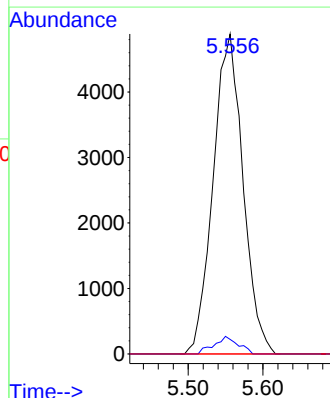
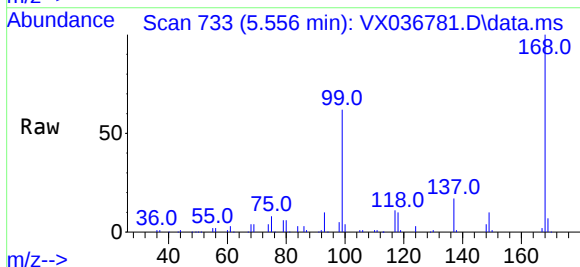
Instrument :
MSVOA_X
ClientSampleId :
50107

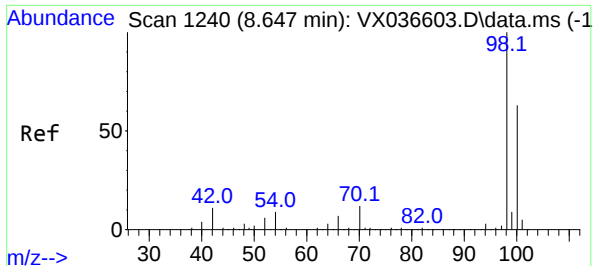
Tgt Ion: 75 Resp: 10820
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.396 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX036781.D
Acq: 02 Aug 2023 19:29

Tgt Ion: 117 Resp: 13556
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 24.4 36.6#

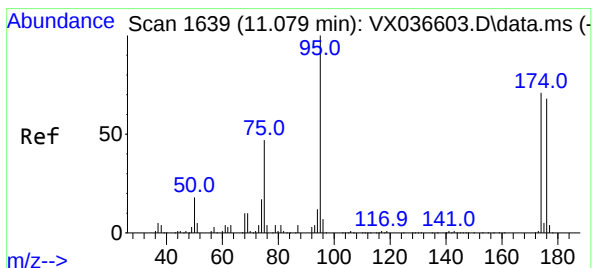
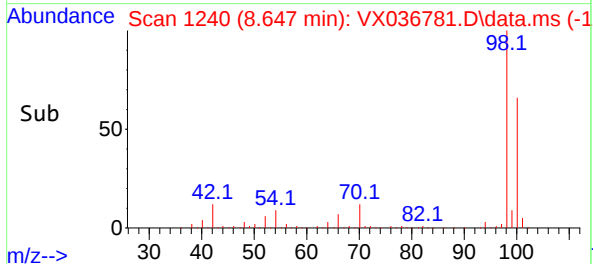
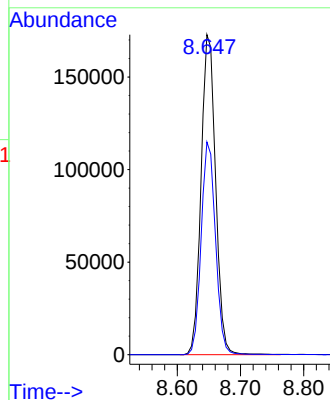
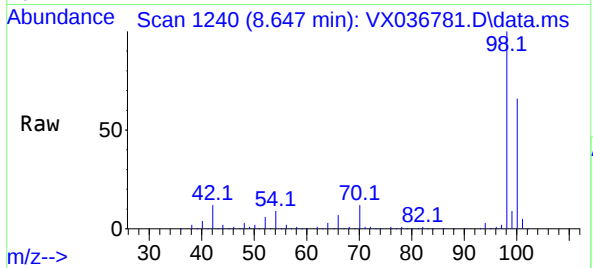




#50
Toluene-d8
Concen: 49.191 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036781.D
Acq: 02 Aug 2023 19:29

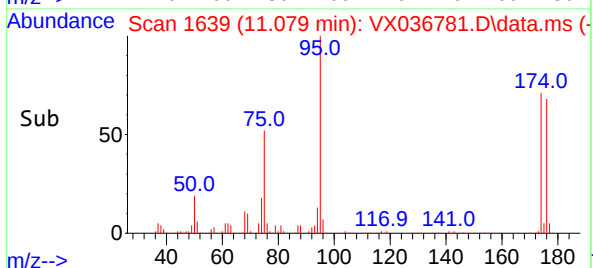
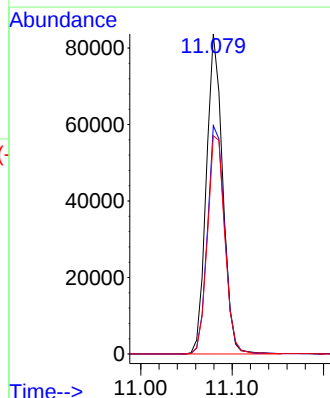
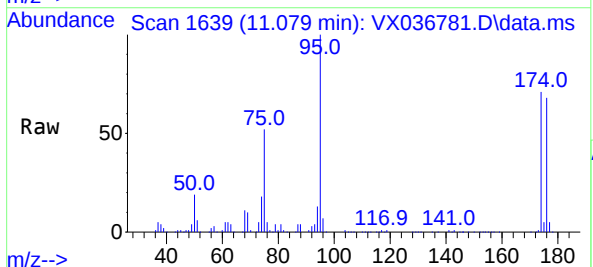
Instrument :
MSVOA_X
ClientSampleId :
50107

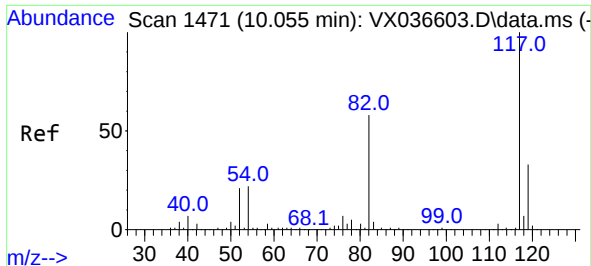
Tgt Ion: 98 Resp: 276548
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 48.849 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036781.D
Acq: 02 Aug 2023 19:29

Tgt Ion: 95 Resp: 103612
Ion Ratio Lower Upper
95 100
174 75.0 0.0 135.6
176 72.5 0.0 131.0

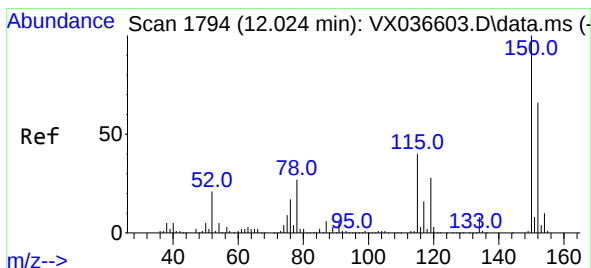
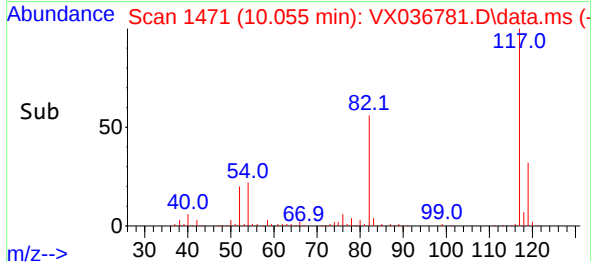
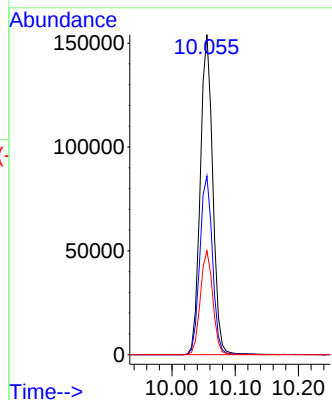
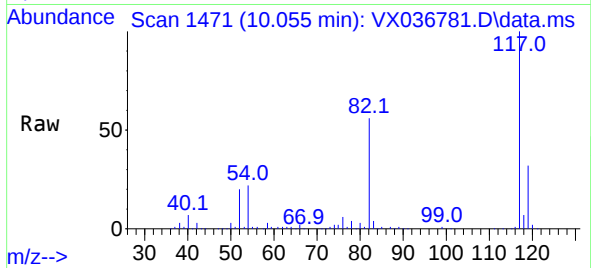




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036781.D
Acq: 02 Aug 2023 19:29

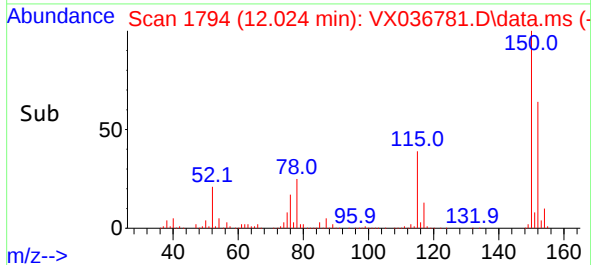
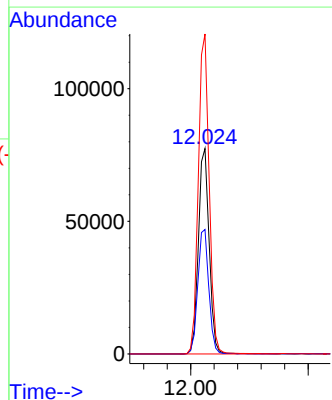
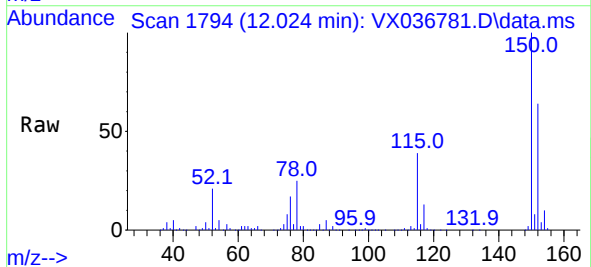
Instrument :
MSVOA_X
ClientSampleId :
50107

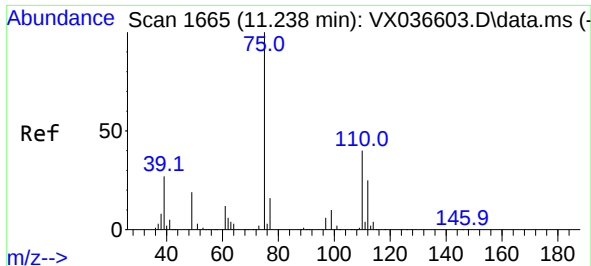
Tgt Ion:117 Resp: 211908
Ion Ratio Lower Upper
117 100
82 55.9 46.2 69.4
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036781.D
Acq: 02 Aug 2023 19:29

Tgt Ion:152 Resp: 98700
Ion Ratio Lower Upper
152 100
115 62.1 43.3 129.9
150 156.4 0.0 345.0

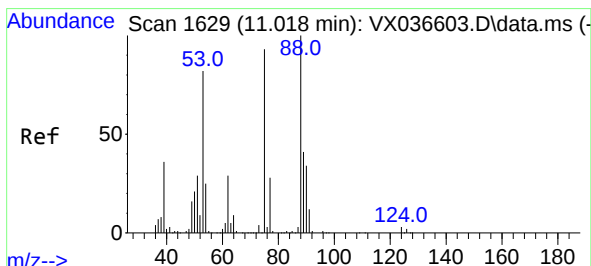
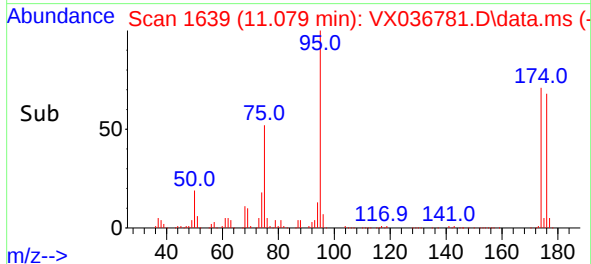
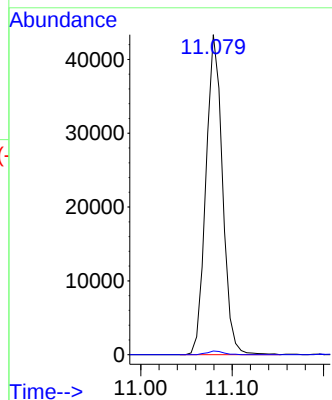
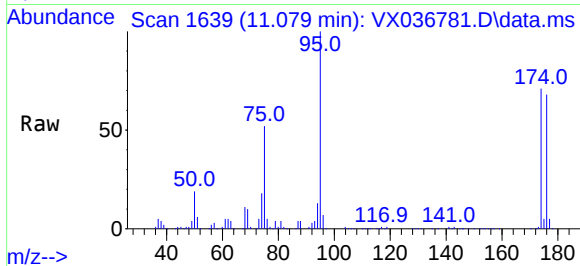




#76
1,2,3-Trichloropropane
Concen: 23.446 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX036781.D
Acq: 02 Aug 2023 19:29

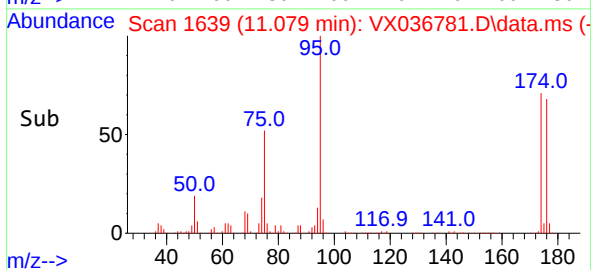
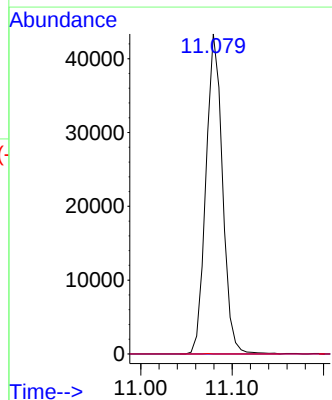
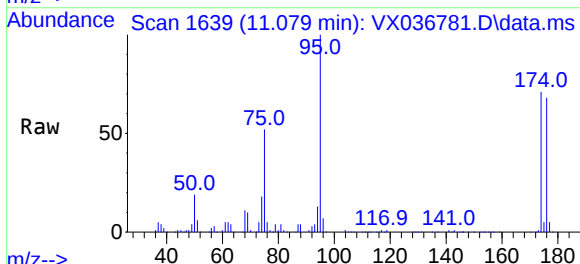
Instrument :
MSVOA_X
ClientSampleId :
50107

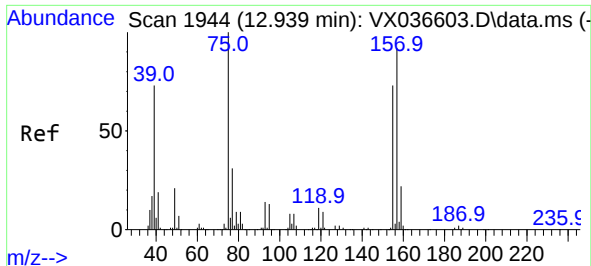
Tgt Ion: 75 Resp: 54430
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.141 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036781.D
Acq: 02 Aug 2023 19:29

Tgt Ion: 75 Resp: 54430
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.769 ug/l

RT: 12.823 min Scan# 1944

Delta R.T. -0.116 min

Lab File: VX036781.D

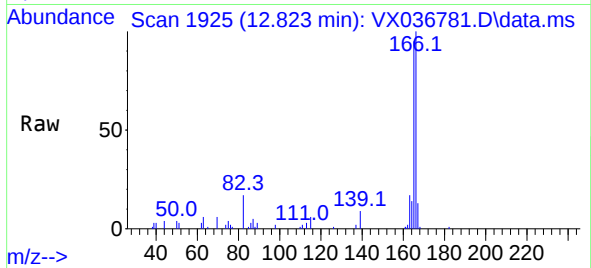
Acq: 02 Aug 2023 19:29

Instrument :

MSVOA_X

ClientSampleId :

50107



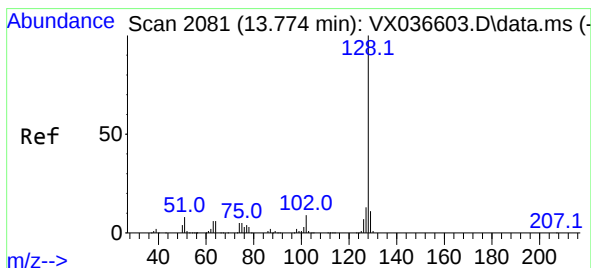
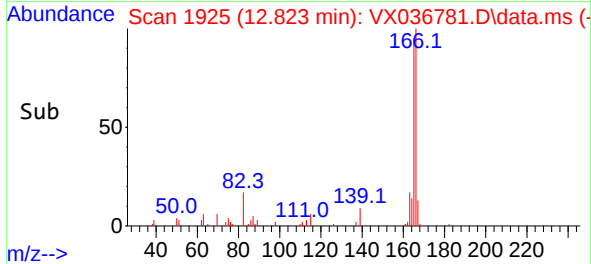
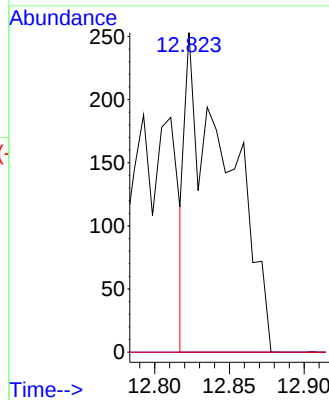
Tgt Ion: 75 Resp: 493

Ion Ratio Lower Upper

75 100

155 0.0 36.1 108.5#

157 0.0 44.9 134.7#



#95

Naphthalene

Concen: 2.416 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX036781.D

Acq: 02 Aug 2023 19:29

Tgt Ion: 128 Resp: 17244

Ion Ratio Lower Upper

128 100

127 11.2 10.3 15.5

129 10.5 8.8 13.2

