

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073123\
 Data File : VX036719.D
 Acq On : 31 Jul 2023 14:47
 Operator : JC/MD
 Sample : 03808-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1712

Quant Time: Aug 01 04:37:18 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

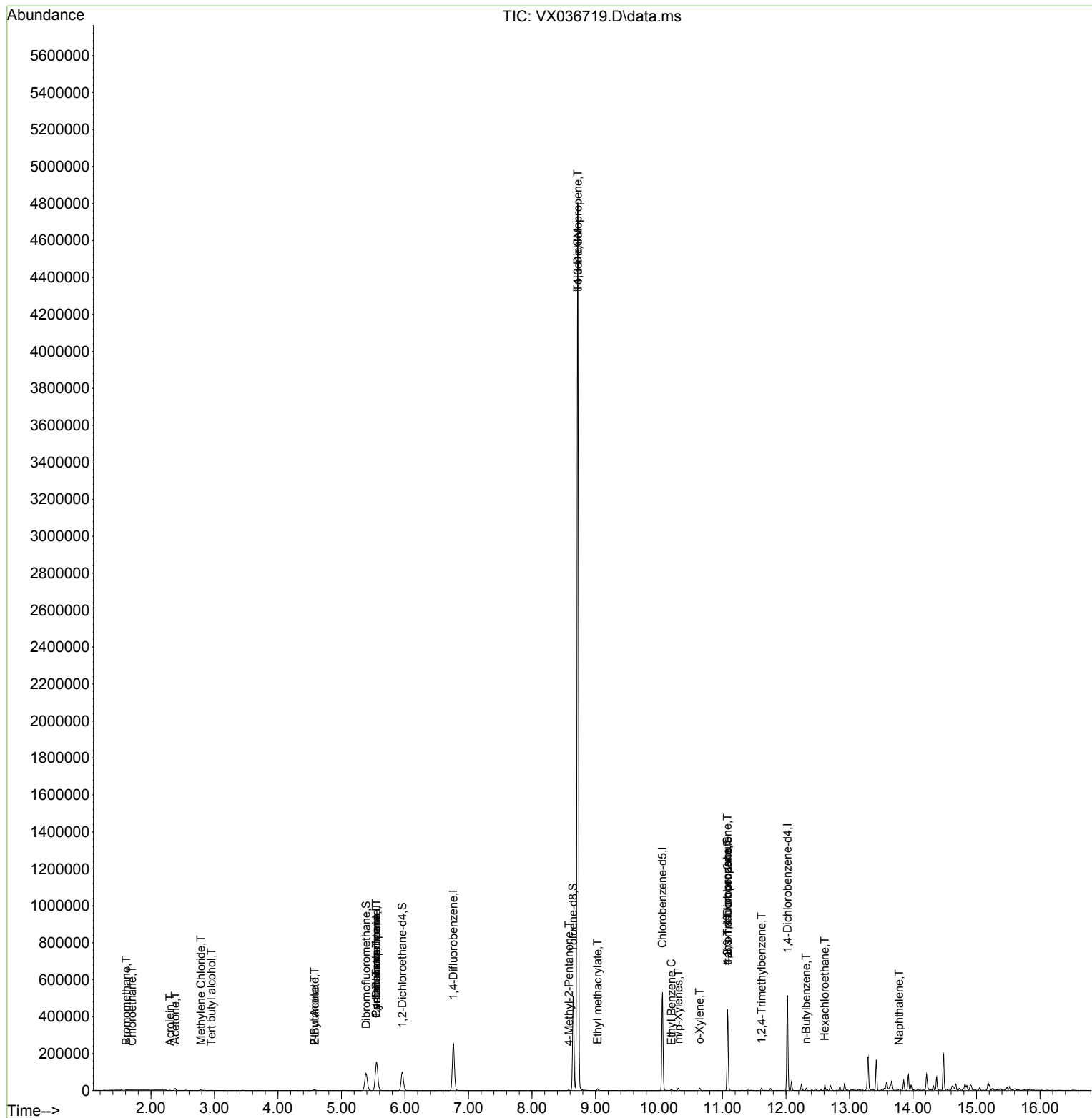
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	143198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	259540	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109672	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	96363	45.479	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.960%
35) Dibromofluoromethane	5.385	113	81852	45.883	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.760%
50) Toluene-d8	8.647	98	312964	49.471	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.940%
62) 4-Bromofluorobenzene	11.079	95	115736	48.490	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.980%
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	350	0.335	ug/l #	18
6) Chloroethane	1.703	64	189	0.222	ug/l #	43
11) Tert butyl alcohol	2.953	59	938	1.870	ug/l #	78
13) Acrolein	2.300	56	90	0.314	ug/l #	14
16) Acetone	2.386	43	12169	13.840	ug/l	99
20) Methylene Chloride	2.788	84	3712	1.898	ug/l #	86
25) 2-Butanone	4.574	43	7743	5.428	ug/l	90
31) Cyclohexane	5.550	56	3165	1.079	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11709	4.404	ug/l #	51
37) Ethyl Acetate	4.574	43	7743	2.573	ug/l #	69
38) Carbon Tetrachloride	5.550	117	15183	5.371	ug/l #	14
51) 4-Methyl-2-Pentanone	8.580	43	2220	0.774	ug/l	91
52) Toluene	8.720	92	1800268	371.395	ug/l	99
53) t-1,3-Dichloropropene	8.720	75	22161	6.608	ug/l #	1
56) Ethyl methacrylate	9.031	69	1605	0.484	ug/l #	65
67) Ethyl Benzene	10.195	91	4070	0.426	ug/l	100
68) m/p-Xylenes	10.305	106	3020	0.847	ug/l	97
69) o-Xylene	10.640	106	2999	0.842	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	60268	23.363	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	60268	52.954	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.616	105	6370	0.839	ug/l	80
89) n-Butylbenzene	12.317	91	1649	0.241	ug/l #	19
90) Hexachloroethane	12.610	117	1262	0.813	ug/l #	17
95) Naphthalene	13.780	128	3243	0.409	ug/l #	81

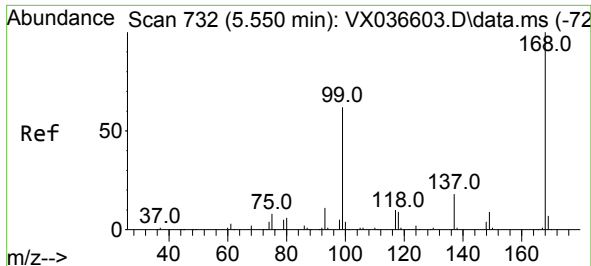
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073123\
Data File : VX036719.D
Acq On : 31 Jul 2023 14:47
Operator : JC/MD
Sample : 03808-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1712

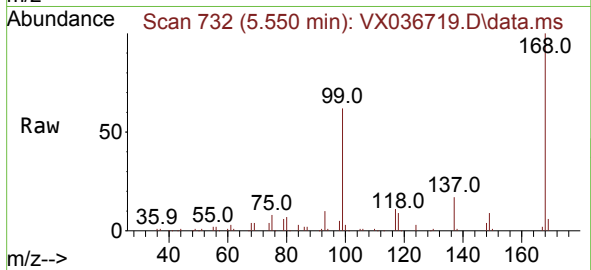
Quant Time: Aug 01 04:37:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration



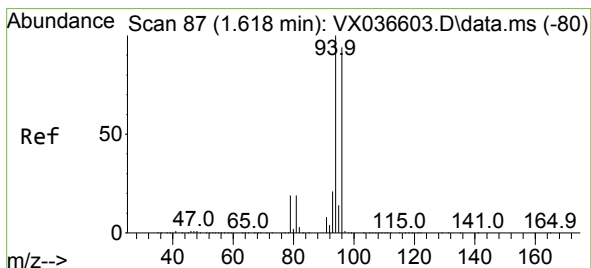
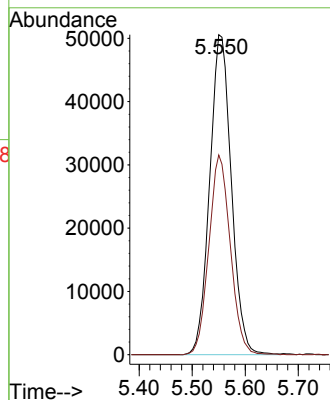
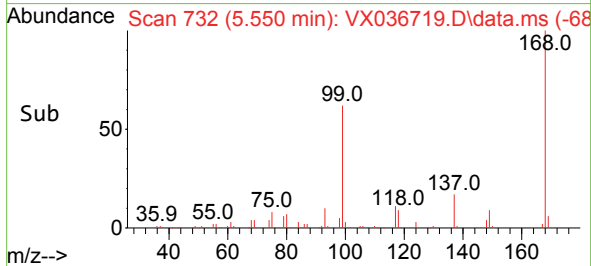


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

Instrument :
MSVOA_X
ClientSampleId :
1712

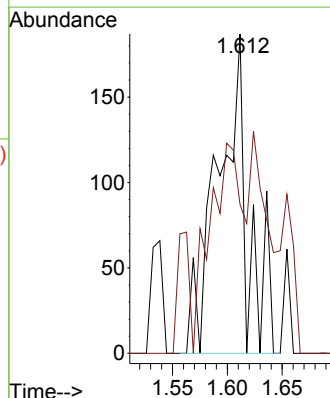
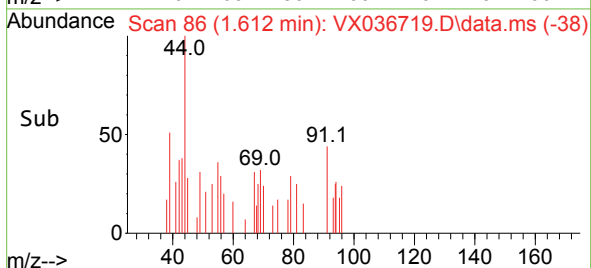
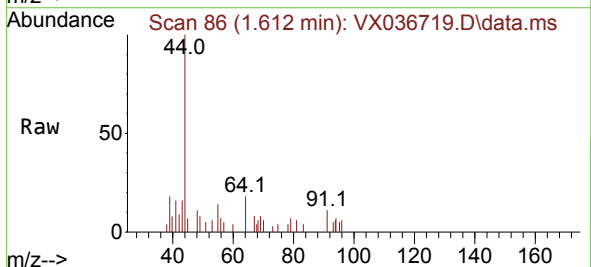


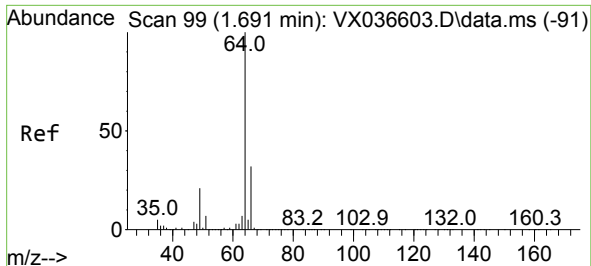
Tgt Ion:168 Resp: 143198
Ion Ratio Lower Upper
168 100
99 62.4 56.6 85.0



#5
Bromomethane
Concen: 0.335 ug/l
RT: 1.612 min Scan# 86
Delta R.T. -0.006 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

Tgt Ion: 94 Resp: 350
Ion Ratio Lower Upper
94 100
96 14.4 74.6 111.8#

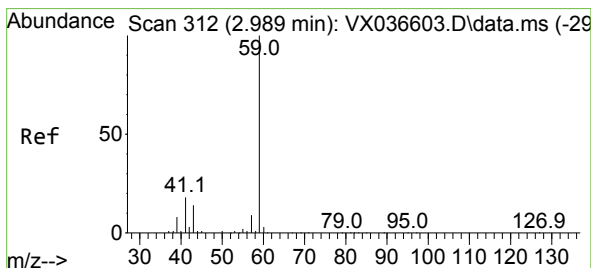
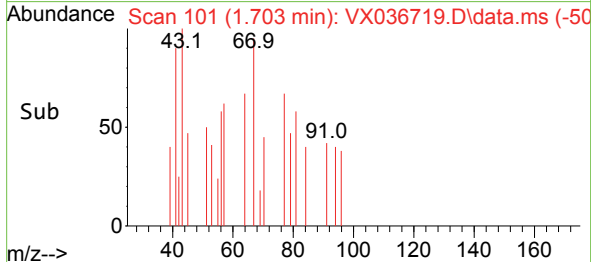
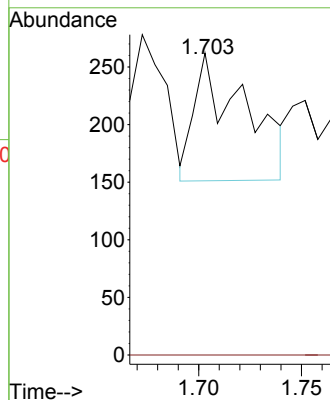
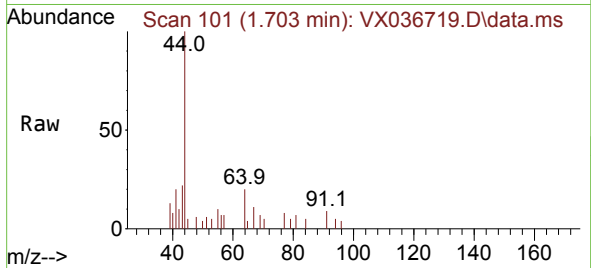




#6
Chloroethane
Concen: 0.222 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.012 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

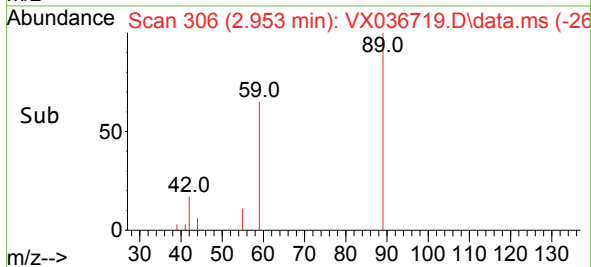
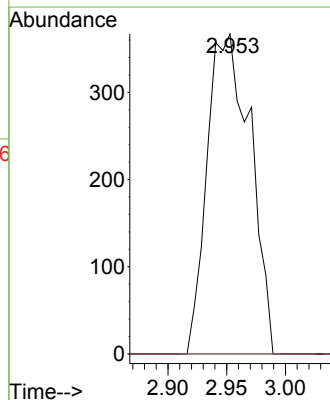
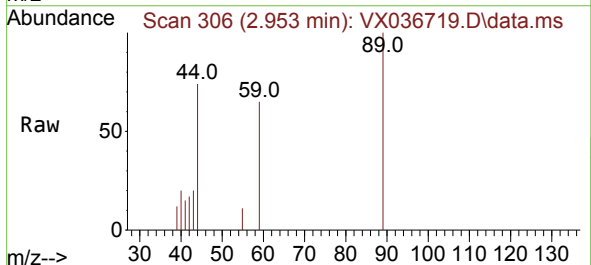
Instrument :
MSVOA_X
ClientSampleId :
1712

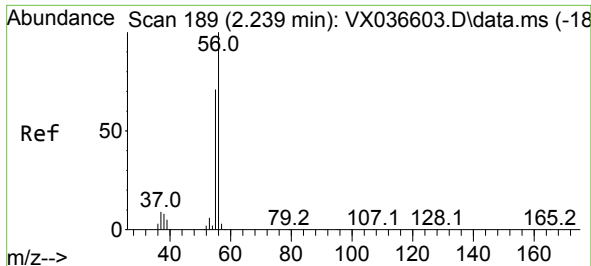
Tgt Ion: 64 Resp: 189
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 1.870 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

Tgt Ion: 59 Resp: 938
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

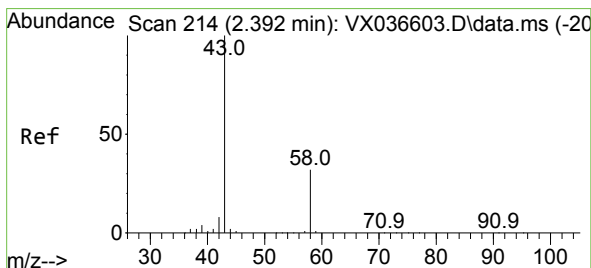
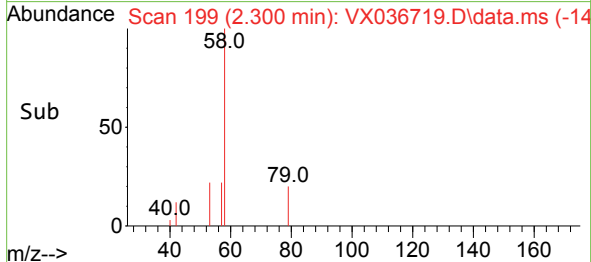
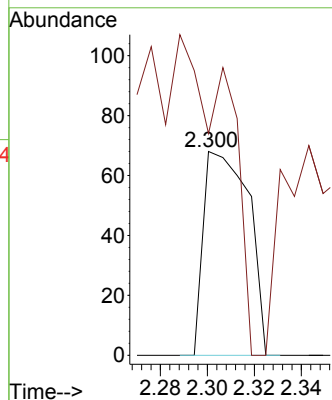
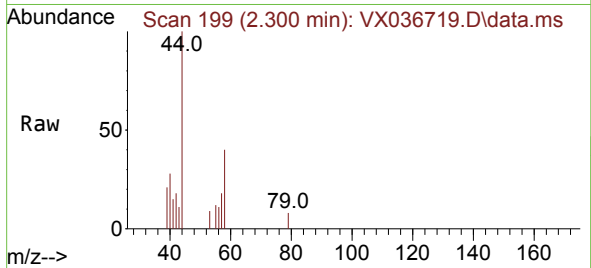




#13
Acrolein
Concen: 0.314 ug/l
RT: 2.300 min Scan# 199
Delta R.T. 0.061 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

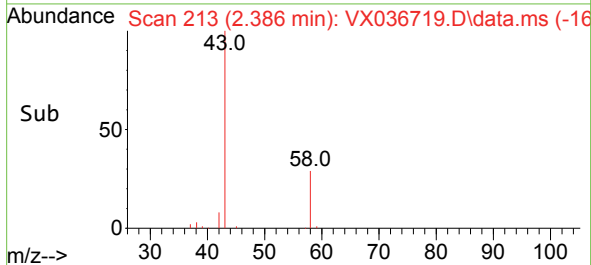
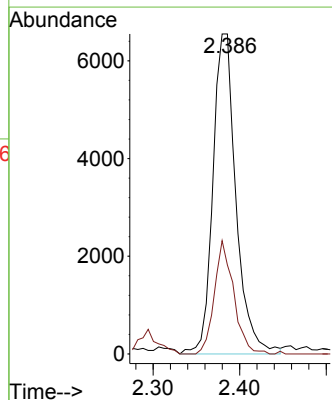
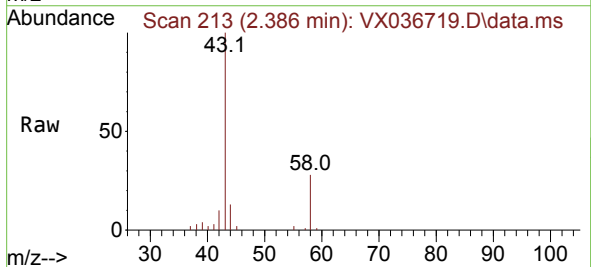
Instrument :
MSVOA_X
ClientSampleId :
1712

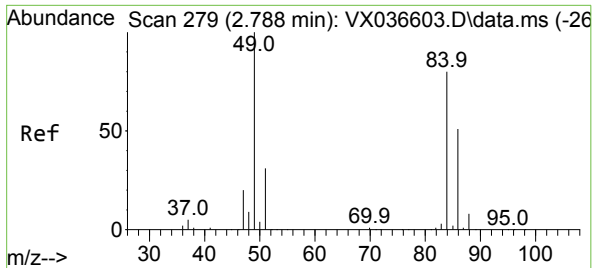
Tgt Ion: 56 Resp: 90
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 13.840 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

Tgt Ion: 43 Resp: 12169
Ion Ratio Lower Upper
43 100
58 27.8 21.9 32.9

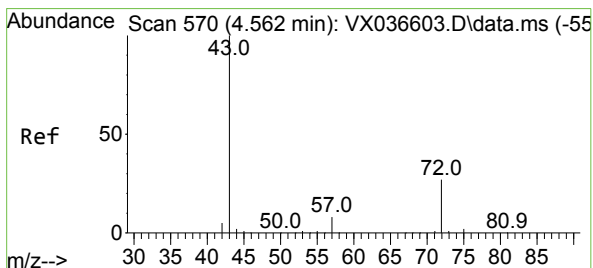
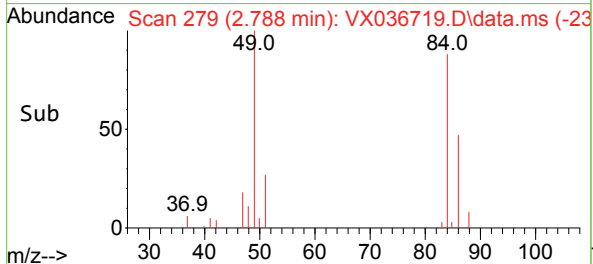
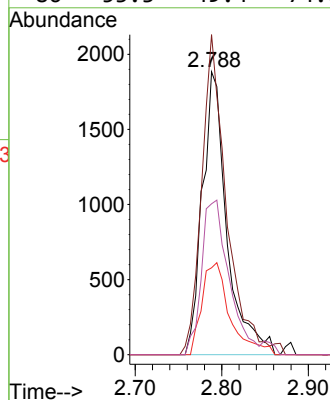
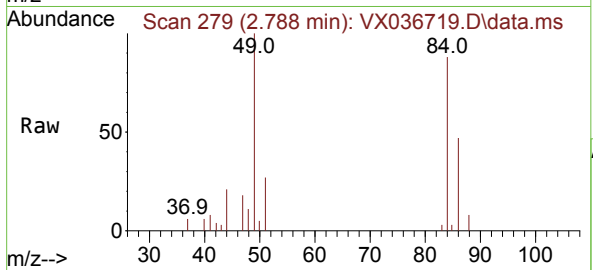




#20
Methylene Chloride
Concen: 1.898 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

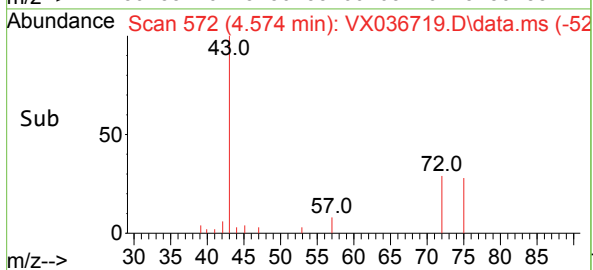
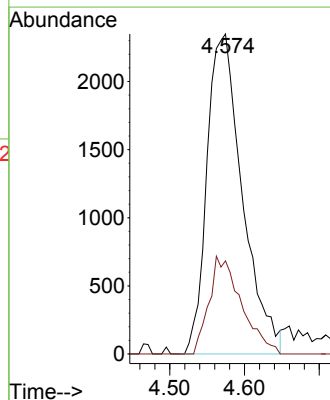
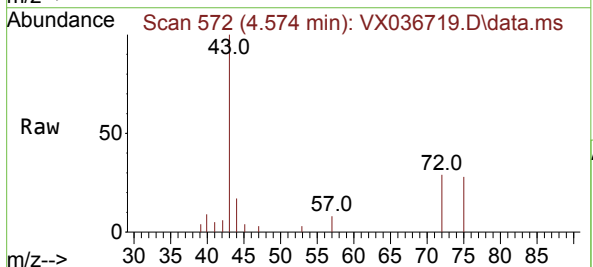
Instrument :
MSVOA_X
ClientSampleId :
1712

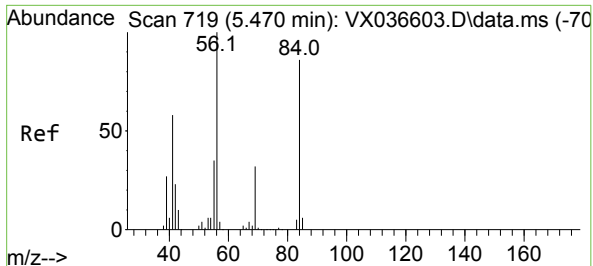
Tgt Ion:	84	Resp:	3712
Ion	Ratio	Lower	Upper
84	100		
49	113.1	103.6	155.4
51	30.7	33.8	50.6#
86	53.3	49.4	74.0



#25
2-Butanone
Concen: 5.428 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

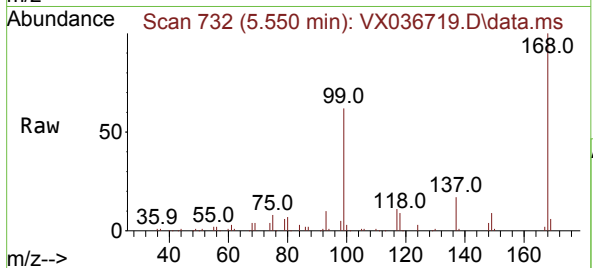
Tgt Ion:	43	Resp:	7743
Ion	Ratio	Lower	Upper
43	100		
72	29.1	19.4	29.2



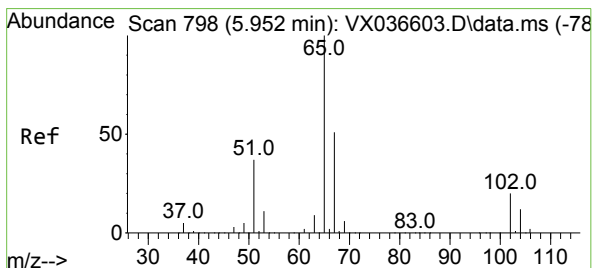
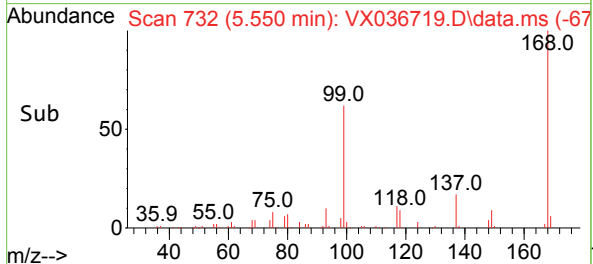
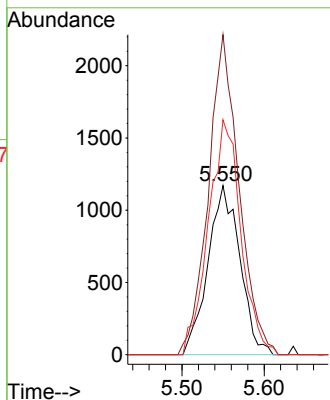


#31
Cyclohexane
Concen: 1.079 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

Instrument :
MSVOA_X
ClientSampleId :
1712

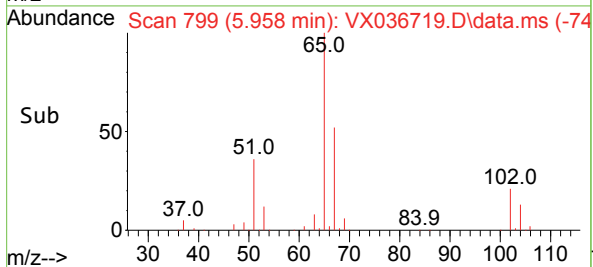
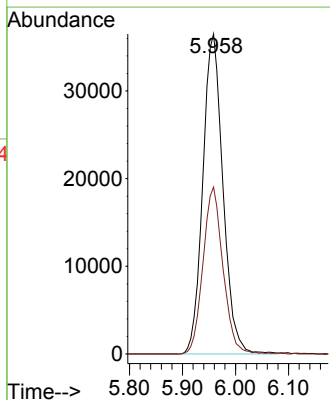
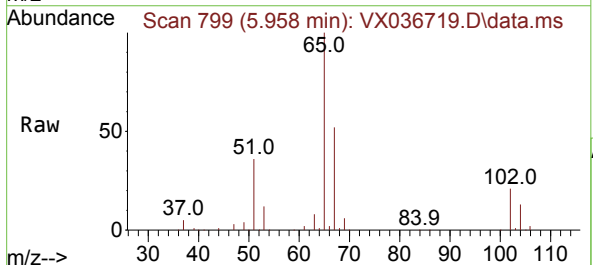


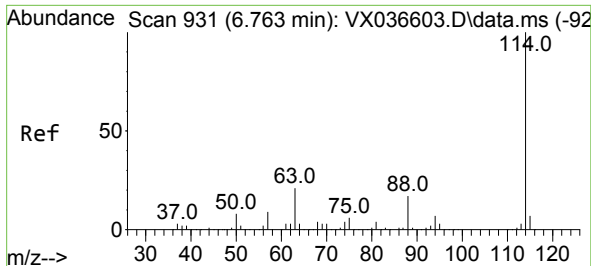
Tgt Ion: 56 Resp: 3165
Ion Ratio Lower Upper
56 100
69 189.2 23.4 35.2#
84 138.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.479 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

Tgt Ion: 65 Resp: 96363
Ion Ratio Lower Upper
65 100
67 51.8 0.0 100.2

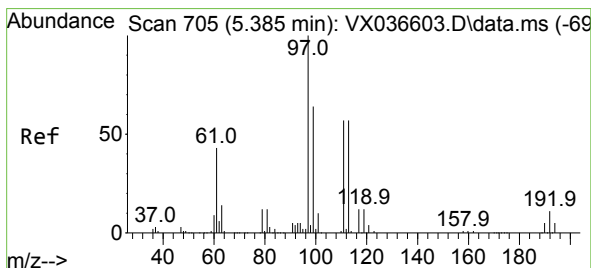
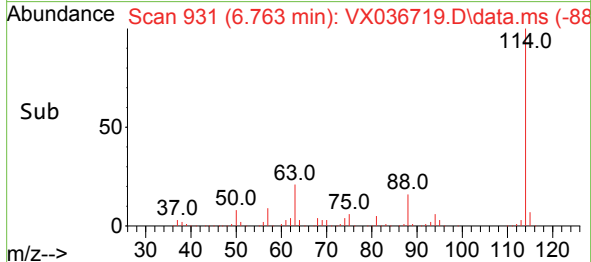
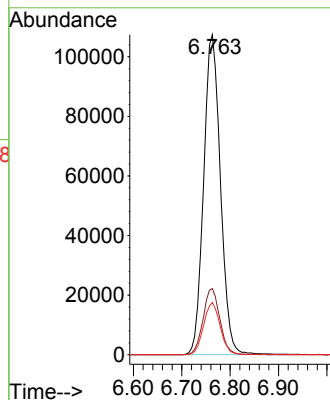
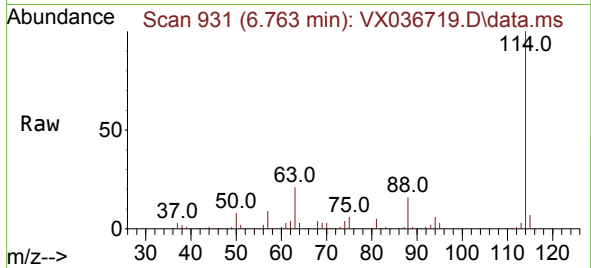




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 912
Delta R.T. 0.000 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

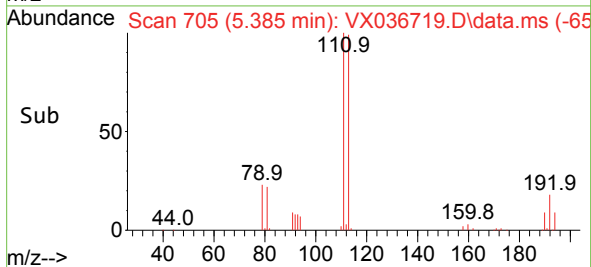
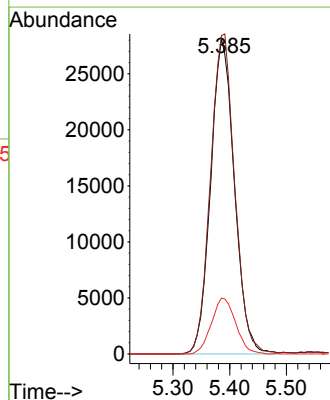
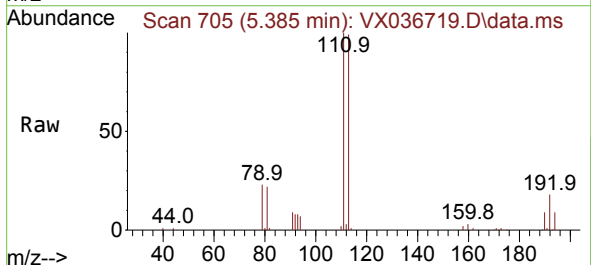
Instrument :
MSVOA_X
ClientSampleId :
1712

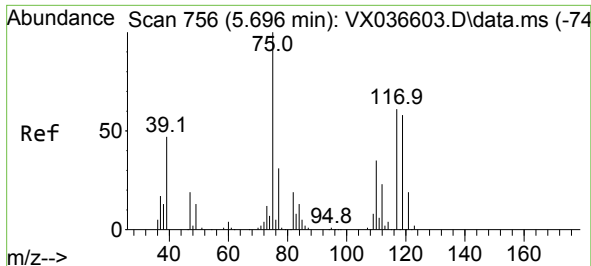
Tgt Ion:114 Resp: 259540
Ion Ratio Lower Upper
114 100
63 20.7 0.0 45.0
88 16.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.883 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

Tgt Ion:113 Resp: 81852
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 18.1 13.3 19.9

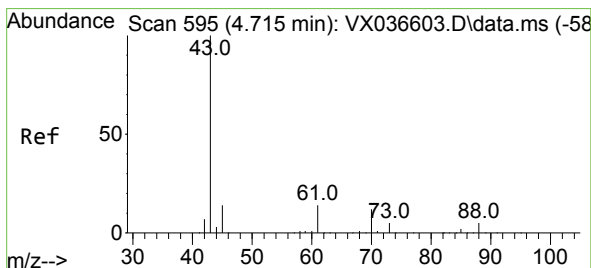
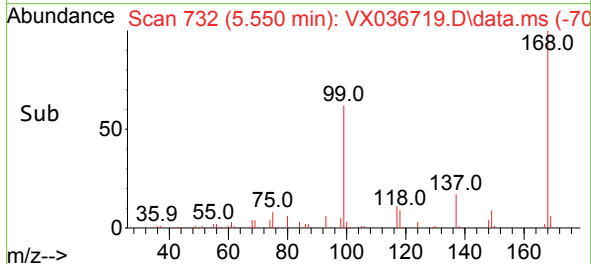
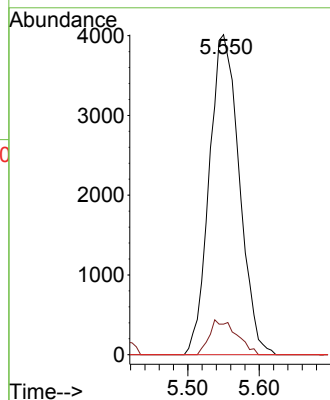
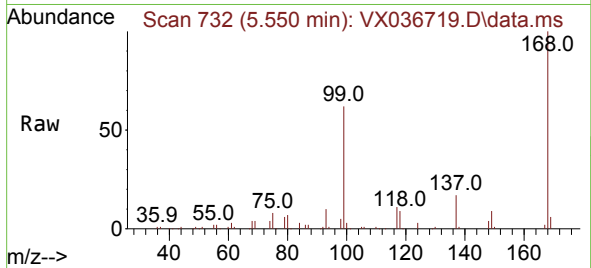




#36
1,1-Dichloropropene
Concen: 4.404 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

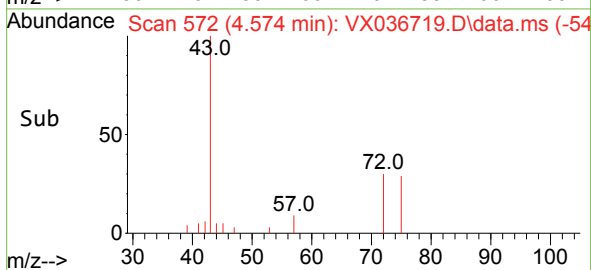
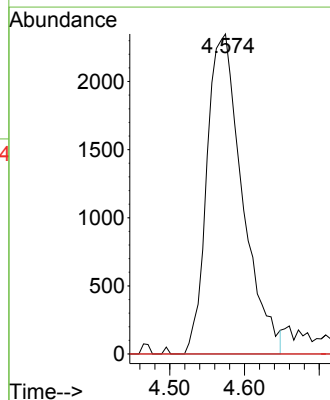
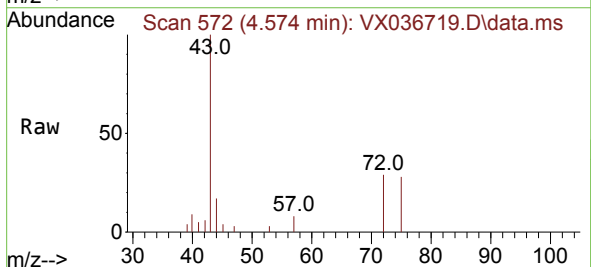
Instrument :
MSVOA_X
ClientSampleId :
1712

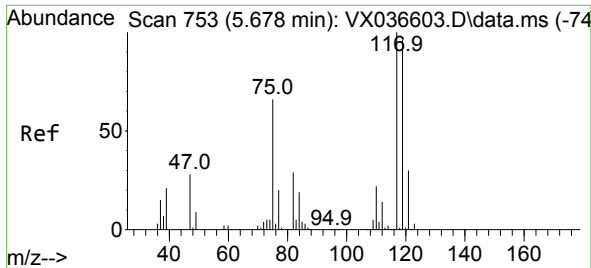
Tgt Ion: 75 Resp: 11709
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 2.573 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.140 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

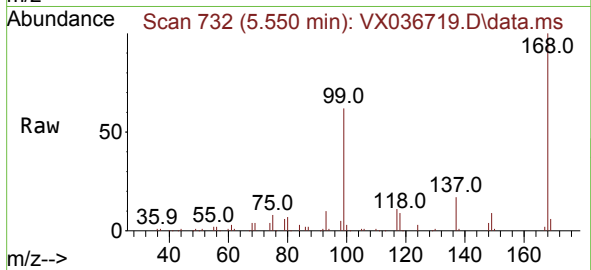
Tgt Ion: 43 Resp: 7743
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



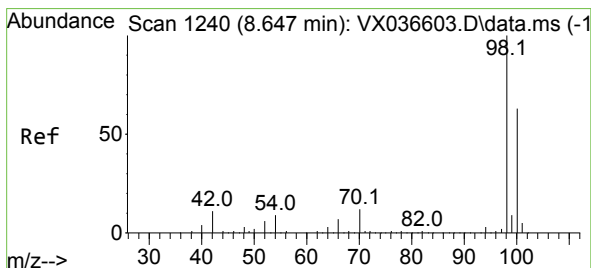
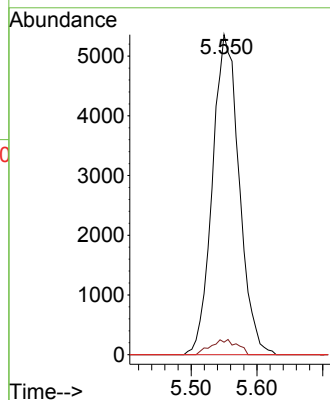
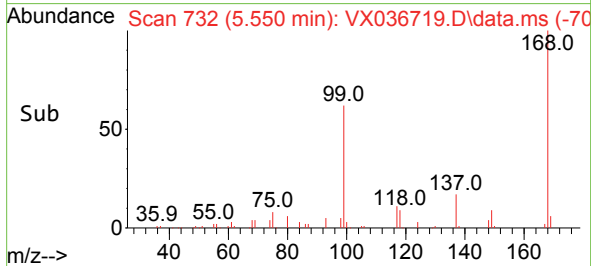


#38
Carbon Tetrachloride
Concen: 5.371 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.128 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

Instrument :
MSVOA_X
ClientSampleId :
1712

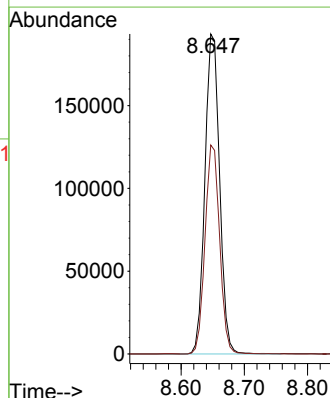
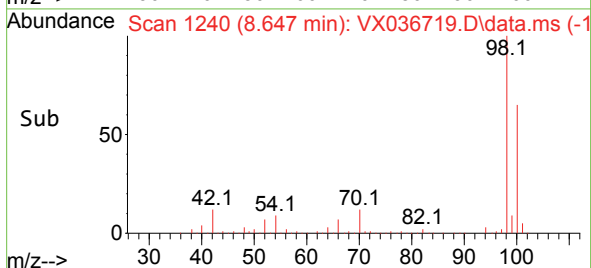
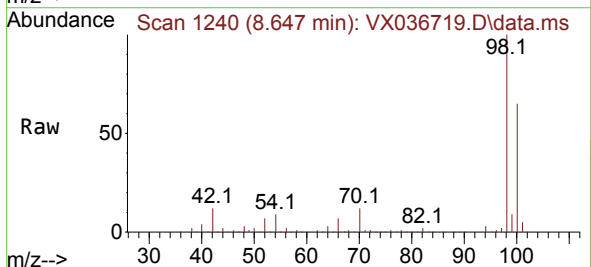


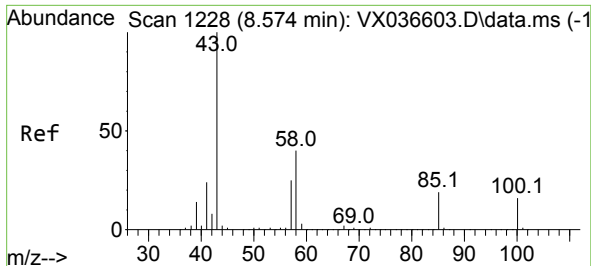
Tgt Ion:117 Resp: 15183
Ion Ratio Lower Upper
117 100
119 3.9 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.471 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

Tgt Ion: 98 Resp: 312964
Ion Ratio Lower Upper
98 100
100 65.0 53.1 79.7

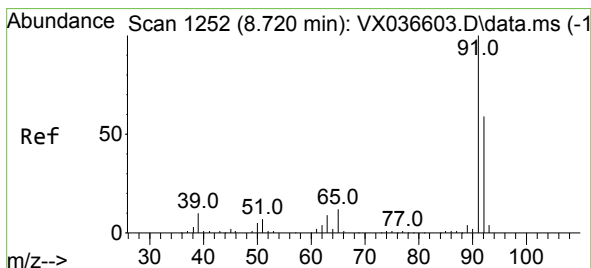
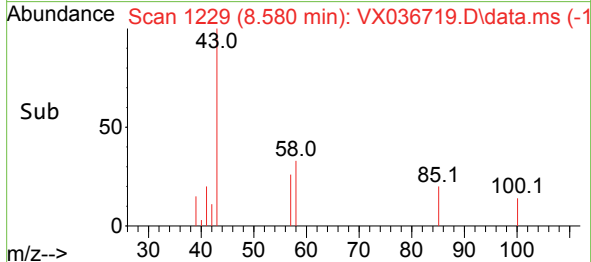
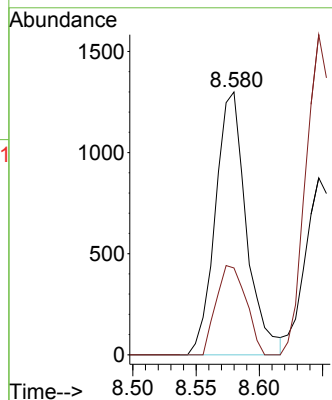
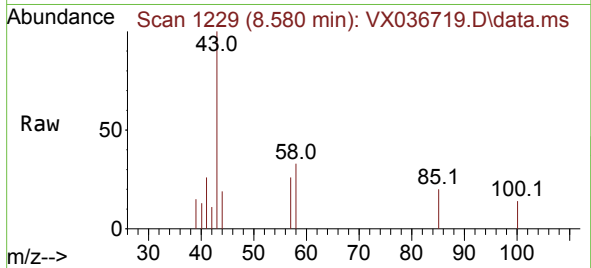




#51
4-Methyl-2-Pentanone
Concen: 0.774 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

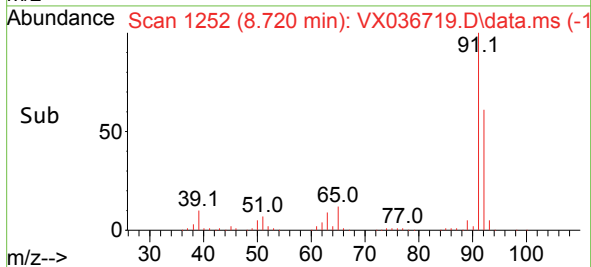
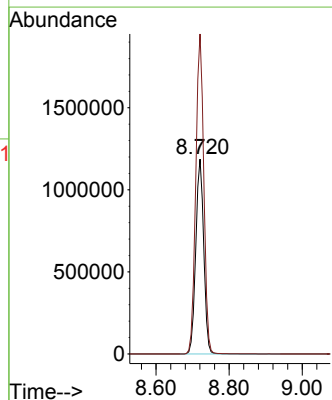
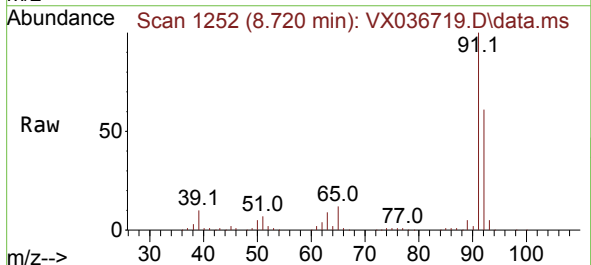
Instrument :
MSVOA_X
ClientSampleId :
1712

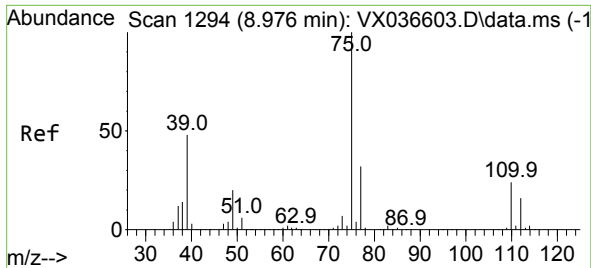
Tgt Ion: 43 Resp: 2220
Ion Ratio Lower Upper
43 100
58 32.5 30.4 45.6



#52
Toluene
Concen: 371.395 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

Tgt Ion: 92 Resp: 1800268
Ion Ratio Lower Upper
92 100
91 165.8 134.2 201.2

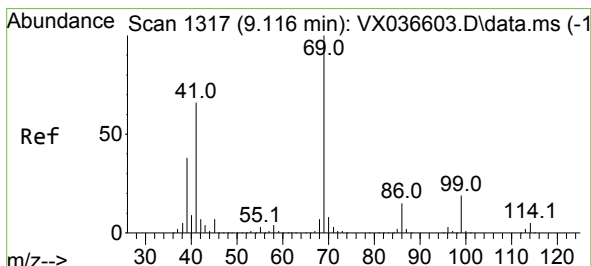
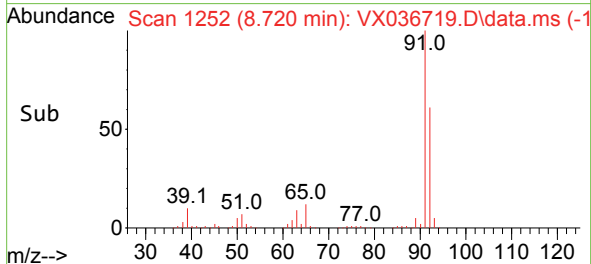
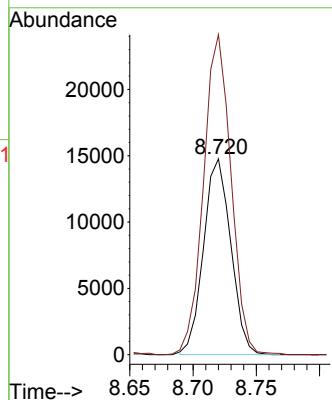
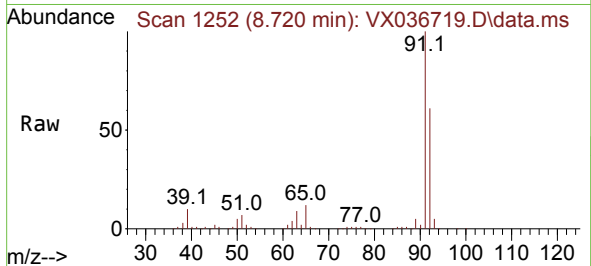




#53
t-1,3-Dichloropropene
Concen: 6.608 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.256 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

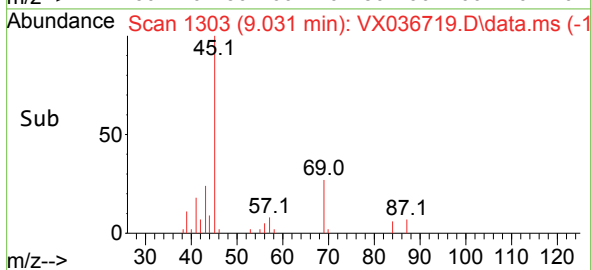
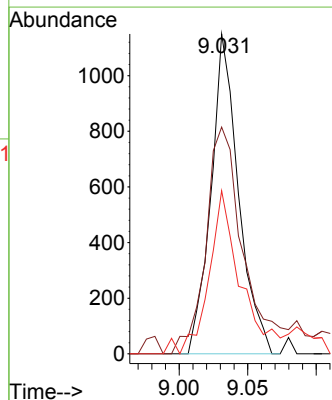
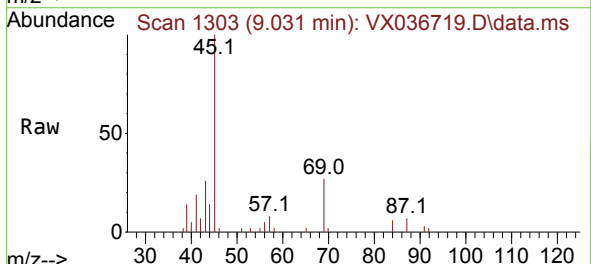
Instrument :
MSVOA_X
ClientSampleId :
1712

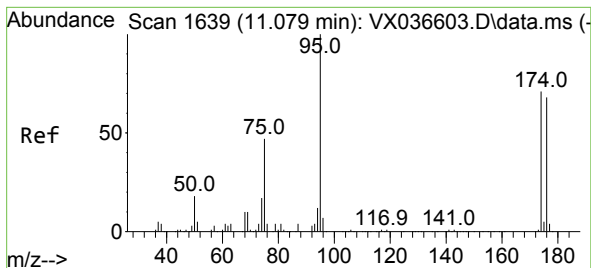
Tgt Ion: 75 Resp: 22161
Ion Ratio Lower Upper
75 100
77 162.8 25.7 38.5#



#56
Ethyl methacrylate
Concen: 0.484 ug/l
RT: 9.031 min Scan# 1303
Delta R.T. -0.085 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

Tgt Ion: 69 Resp: 1605
Ion Ratio Lower Upper
69 100
41 102.2 56.8 85.2#
39 58.8 32.0 48.0#

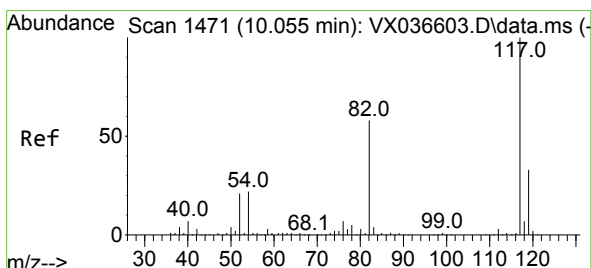
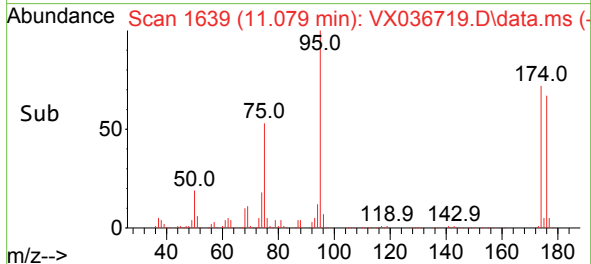
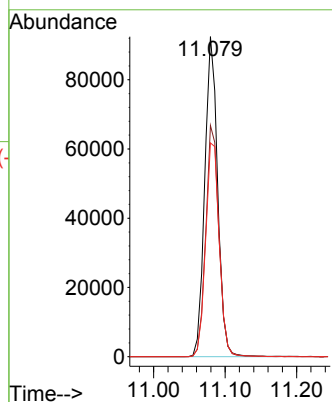
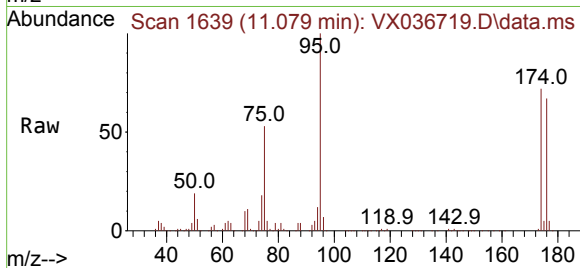




#62
4-Bromofluorobenzene
Concen: 48.490 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

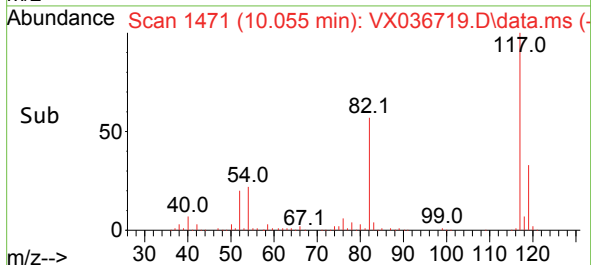
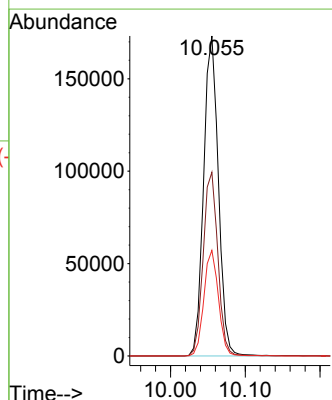
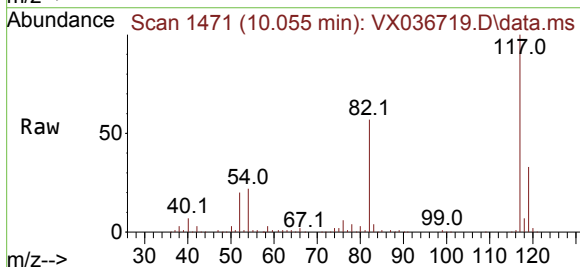
Instrument :
MSVOA_X
ClientSampleId :
1712

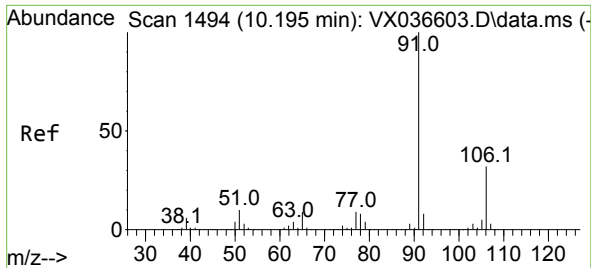
Tgt Ion: 95 Resp: 115736
Ion Ratio Lower Upper
95 100
174 73.7 0.0 135.6
176 71.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

Tgt Ion: 117 Resp: 237388
Ion Ratio Lower Upper
117 100
82 57.4 46.2 69.4
119 33.0 25.5 38.3

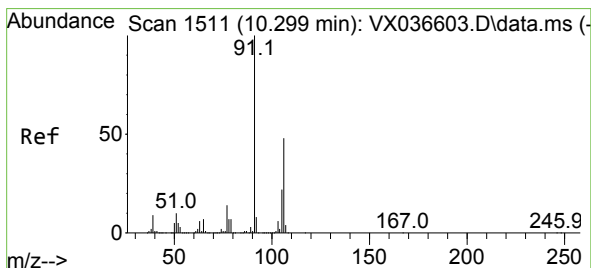
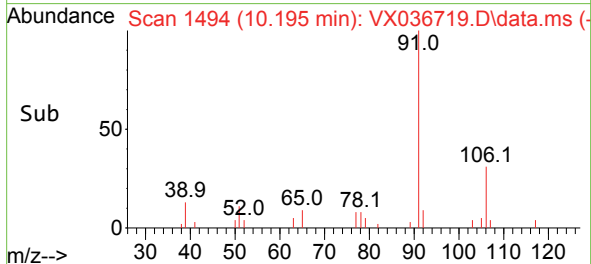
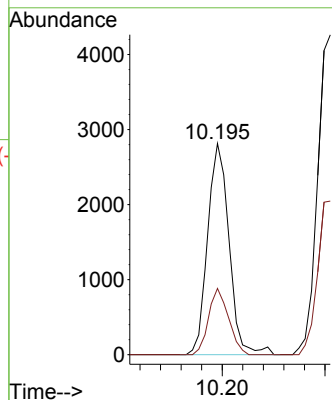
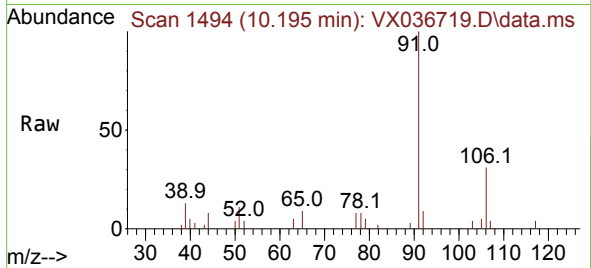




#67
Ethyl Benzene
Concen: 0.426 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

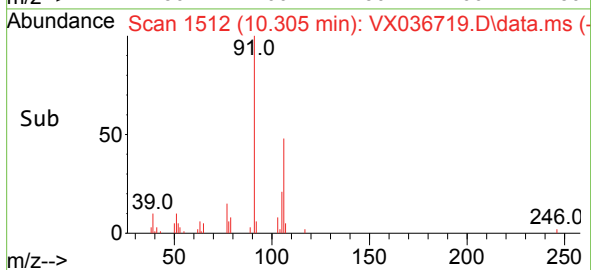
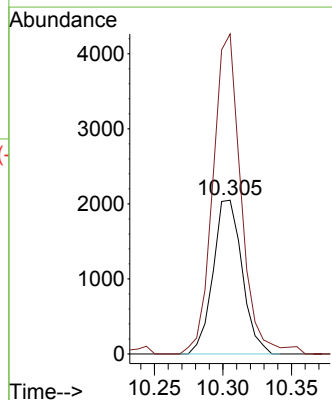
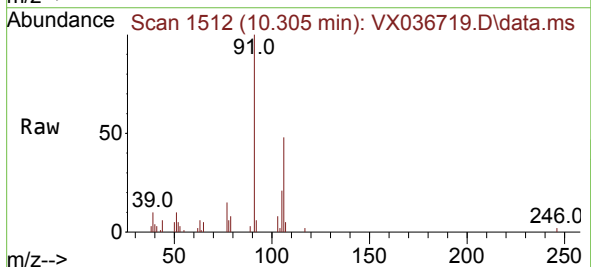
Instrument :
MSVOA_X
ClientSampleId :
1712

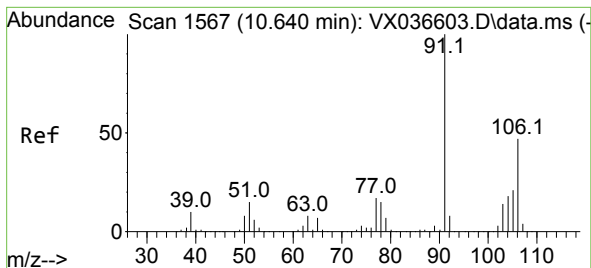
Tgt Ion: 91 Resp: 4070
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3



#68
m/p-Xylenes
Concen: 0.847 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX036719.D
Acq: 31 Jul 2023 14:47

Tgt Ion: 106 Resp: 3020
Ion Ratio Lower Upper
106 100
91 201.5 165.5 248.3





#69

o-Xylene

Concen: 0.842 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036719.D

Acq: 31 Jul 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

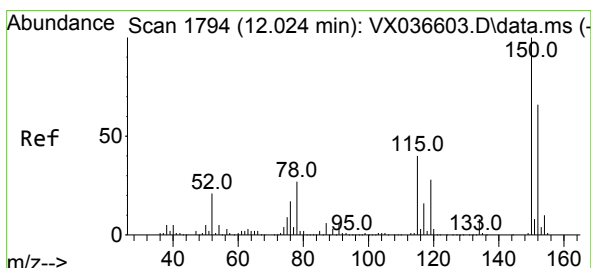
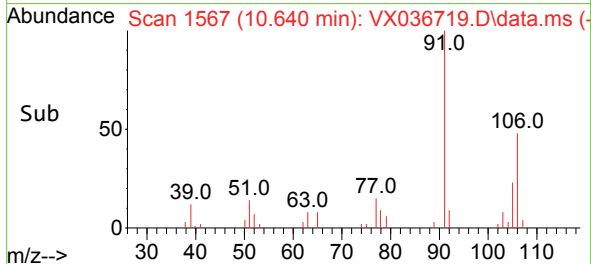
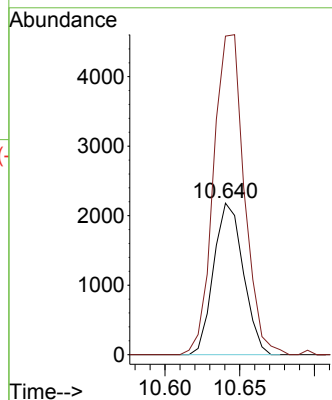
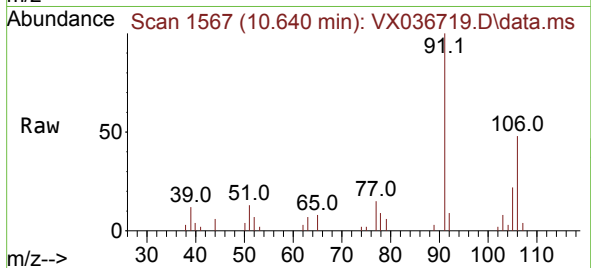
1712

Tgt Ion:106 Resp: 2999

Ion Ratio Lower Upper

106 100

91 219.9 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX036719.D

Acq: 31 Jul 2023 14:47

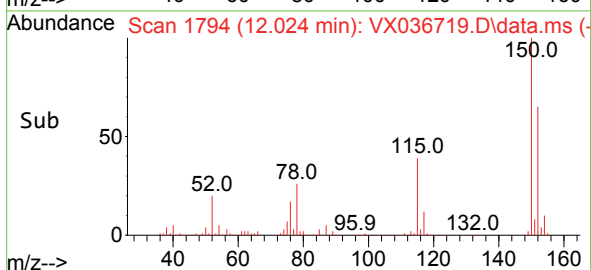
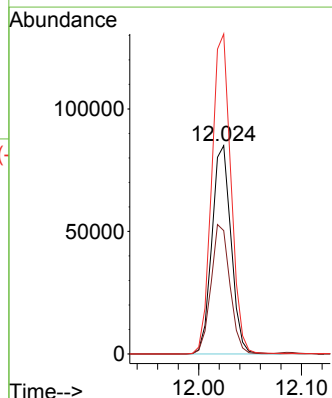
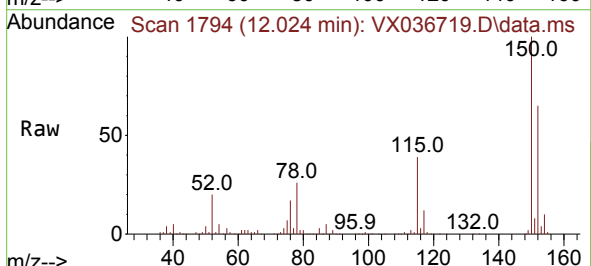
Tgt Ion:152 Resp: 109672

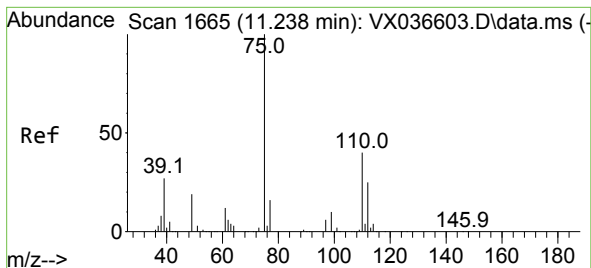
Ion Ratio Lower Upper

152 100

115 61.5 43.3 129.9

150 154.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.363 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX036719.D

Acq: 31 Jul 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

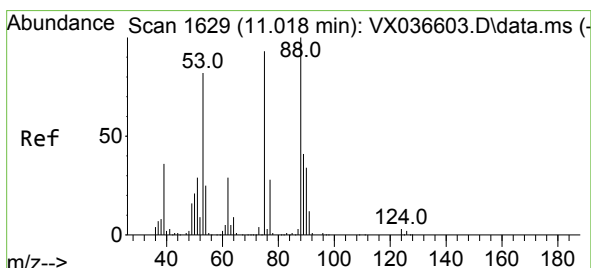
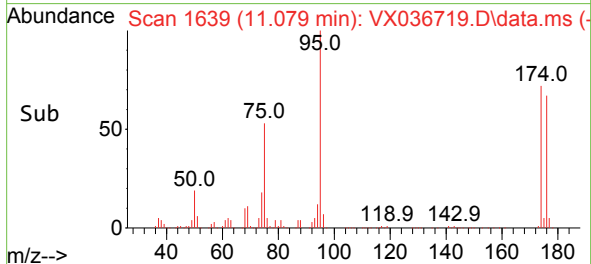
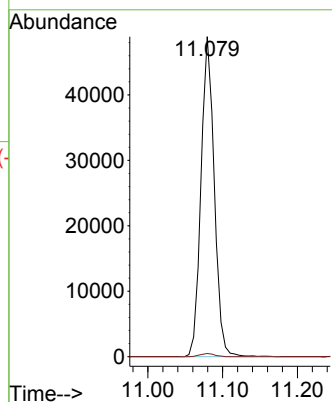
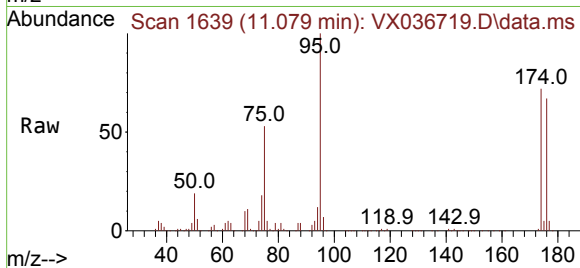
1712

Tgt Ion: 75 Resp: 60268

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 52.954 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036719.D

Acq: 31 Jul 2023 14:47

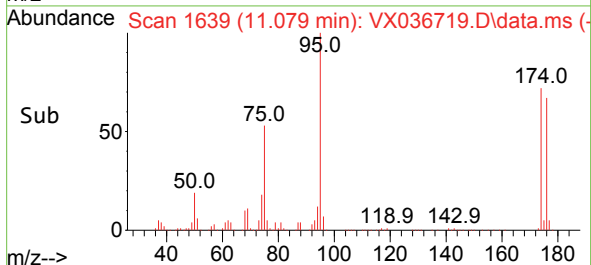
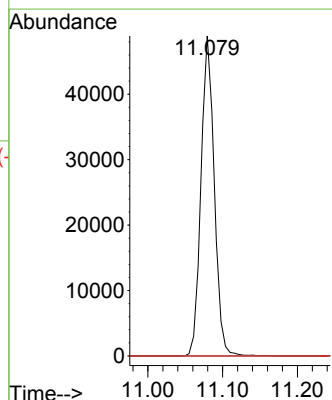
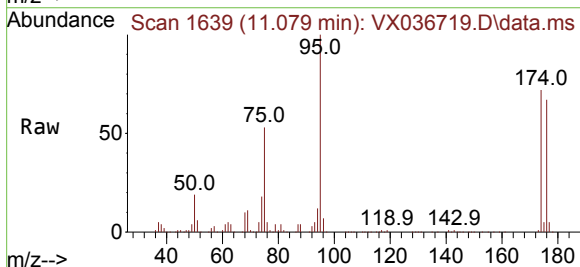
Tgt Ion: 75 Resp: 60268

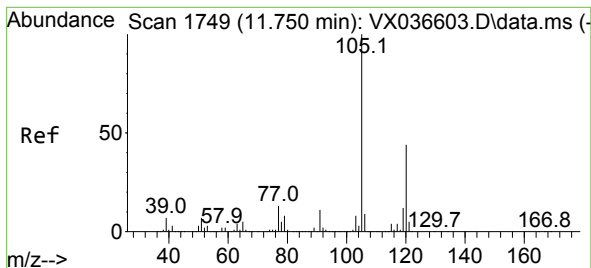
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.839 ug/l

RT: 11.616 min Scan# 1727

Delta R.T. -0.134 min

Lab File: VX036719.D

Acq: 31 Jul 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

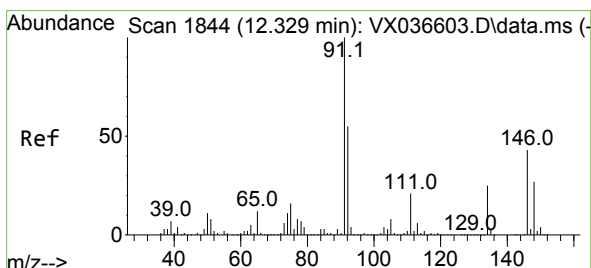
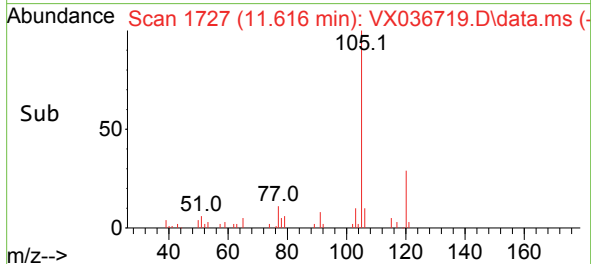
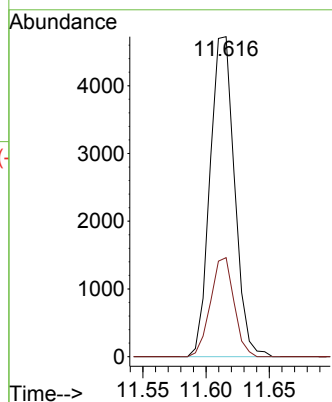
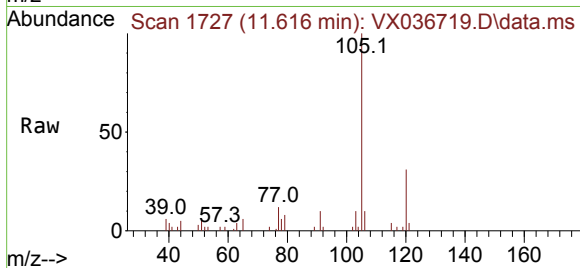
1712

Tgt Ion:105 Resp: 6370

Ion Ratio Lower Upper

105 100

120 29.7 21.2 63.6



#89

n-Butylbenzene

Concen: 0.241 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.012 min

Lab File: VX036719.D

Acq: 31 Jul 2023 14:47

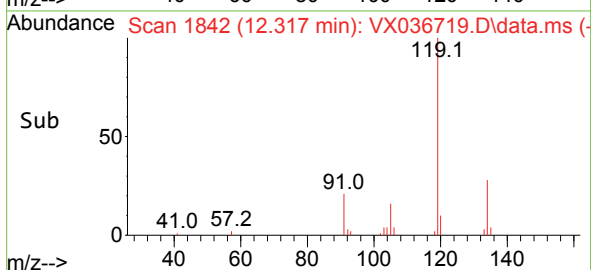
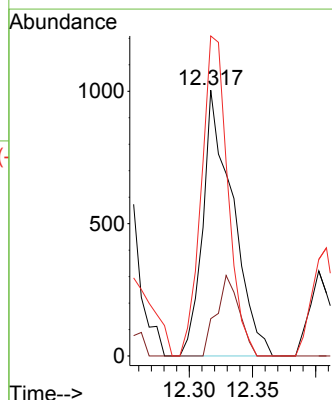
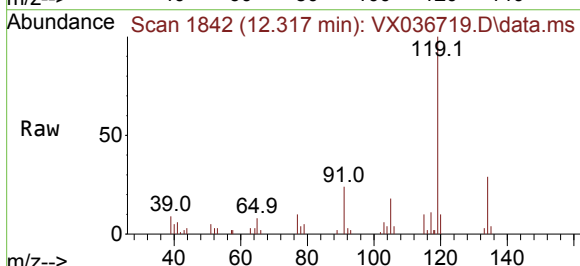
Tgt Ion: 91 Resp: 1649

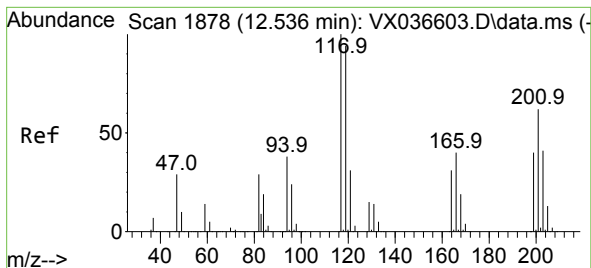
Ion Ratio Lower Upper

91 100

92 23.2 27.4 82.0#

134 106.9 12.6 37.8#





#90

Hexachloroethane

Concen: 0.813 ug/l

RT: 12.610 min Scan# 1878

Delta R.T. 0.073 min

Lab File: VX036719.D

Acq: 31 Jul 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

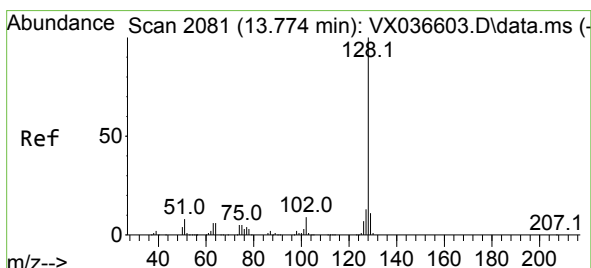
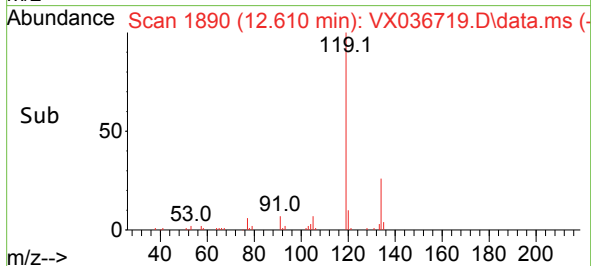
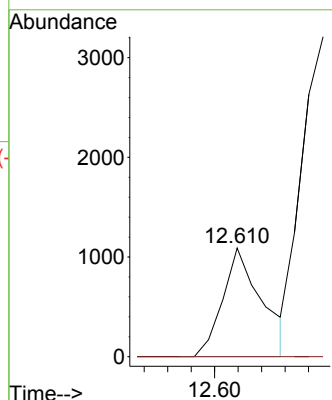
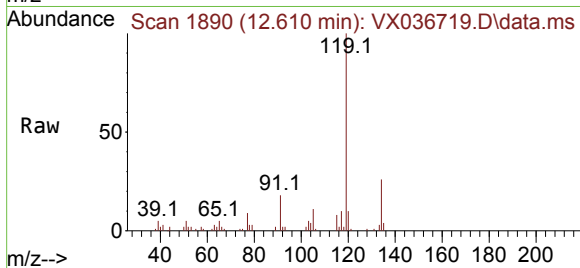
1712

Tgt Ion:117 Resp: 1262

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.6#



#95

Naphthalene

Concen: 0.409 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX036719.D

Acq: 31 Jul 2023 14:47

Tgt Ion:128 Resp: 3243

Ion Ratio Lower Upper

128 100

127 13.9 10.3 15.5

129 25.7 8.8 13.2#

