

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073123\
 Data File : VX036720.D
 Acq On : 31 Jul 2023 15:11
 Operator : JC/MD
 Sample : 03808-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1713

Quant Time: Aug 01 04:37:43 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)

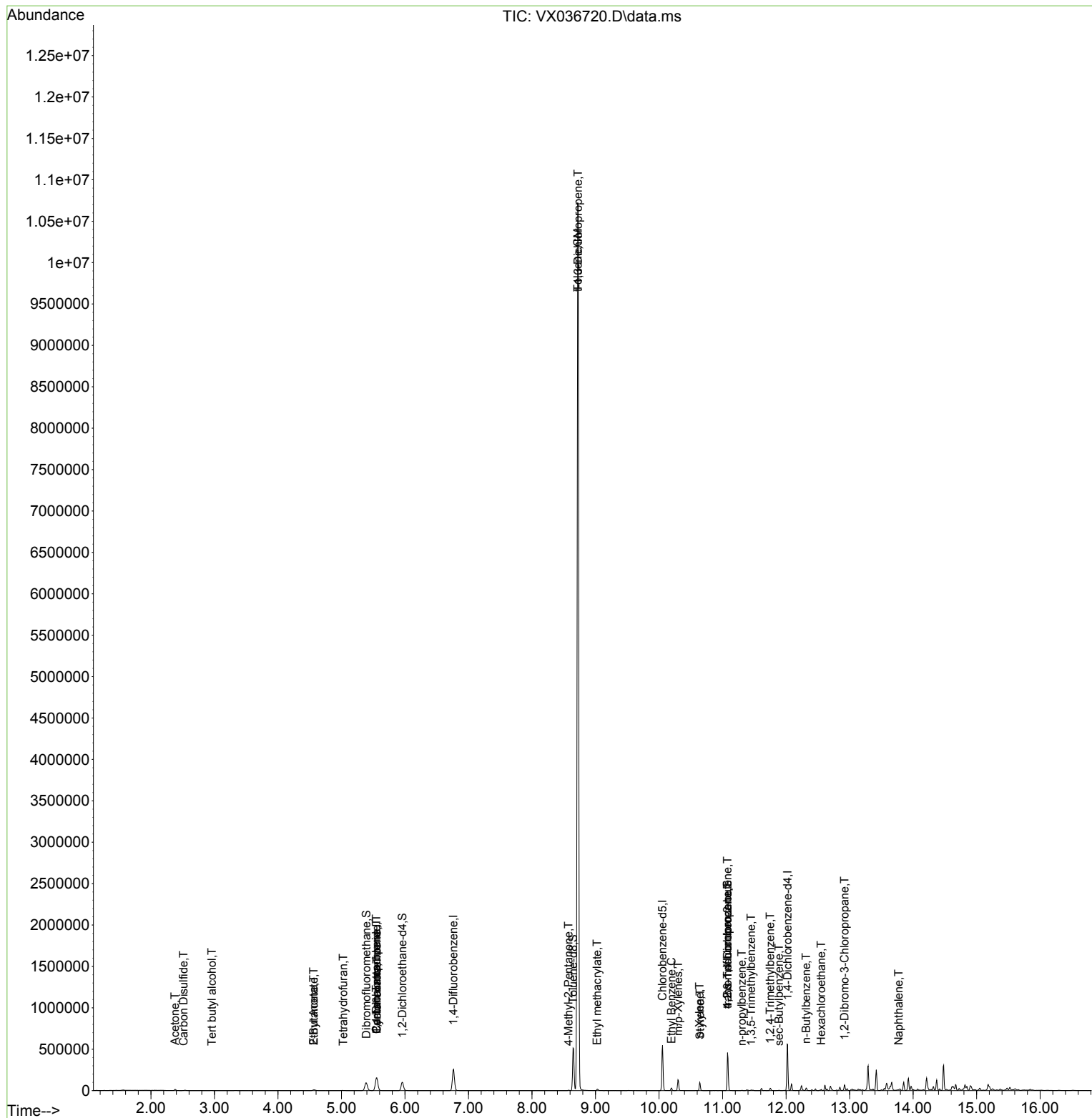
Internal Standards						
1) Pentafluorobenzene	5.556	168	146166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	263277	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	244987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98102	45.360	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.720%		
35) Dibromofluoromethane	5.391	113	84091	46.469	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.940%		
50) Toluene-d8	8.647	98	315929	49.231	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.460%		
62) 4-Bromofluorobenzene	11.079	95	120054	49.586	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.180%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.959	59	908	1.773	ug/l #	78
16) Acetone	2.380	43	14897	16.599	ug/l #	85
17) Carbon Disulfide	2.514	76	922	0.204	ug/l #	76
25) 2-Butanone	4.562	43	17130	11.765	ug/l	96
29) Tetrahydrofuran	5.025	42	240	0.256	ug/l #	34
31) Cyclohexane	5.556	56	3205	1.070	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11716	4.344	ug/l #	50
37) Ethyl Acetate	4.562	43	17130	5.611	ug/l #	69
38) Carbon Tetrachloride	5.550	117	15630	5.451	ug/l #	14
51) 4-Methyl-2-Pentanone	8.574	43	3229	1.110	ug/l	96
52) Toluene	8.720	92	4537264	922.750	ug/l	92
53) t-1,3-Dichloropropene	8.726	75	60123	17.673	ug/l #	1
56) Ethyl methacrylate	9.025	69	3050	0.906	ug/l #	86
67) Ethyl Benzene	10.195	91	18184	1.843	ug/l	99
68) m/p-Xylenes	10.299	106	30221	8.210	ug/l	98
69) o-Xylene	10.640	106	20949	5.702	ug/l	99
70) Styrene	10.646	104	1417	0.234	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	62491	23.052	ug/l #	39
78) n-propylbenzene	11.305	91	2529	0.229	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	3192	0.400	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	62491	52.249	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	11695	1.466	ug/l	75
85) sec-Butylbenzene	11.890	105	2002	0.205	ug/l	98
89) n-Butylbenzene	12.317	91	4046	0.562	ug/l #	14
90) Hexachloroethane	12.555	117	735	0.451	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	12.920	75	297	0.397	ug/l #	9
95) Naphthalene	13.774	128	7087	0.850	ug/l	97

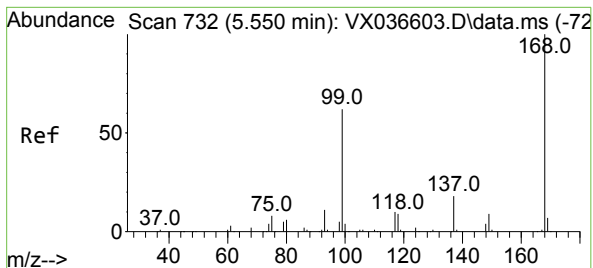
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX036720.D

Acq: 31 Jul 2023 15:11

Instrument :

MSVOA_X

ClientSampleId :

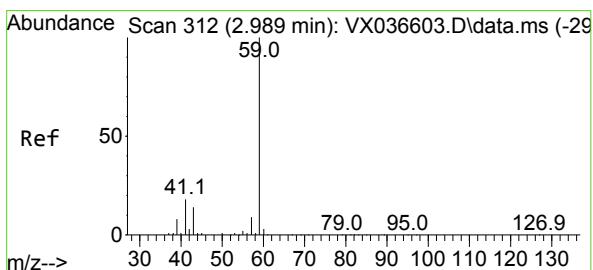
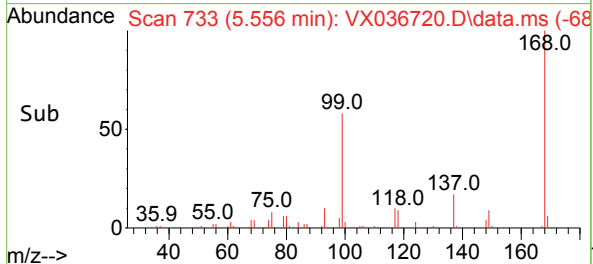
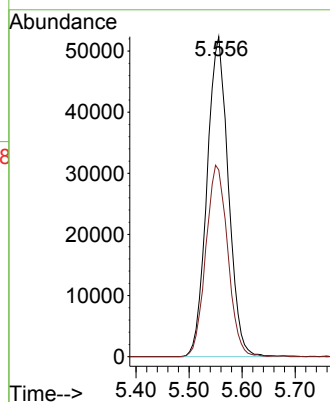
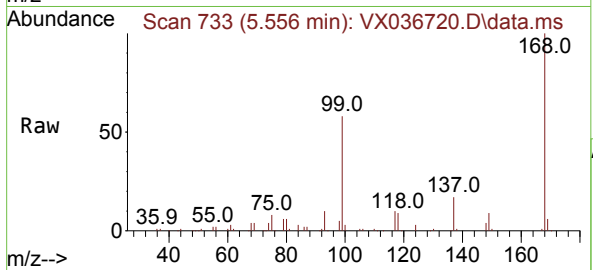
1713

Tgt Ion:168 Resp: 146166

Ion Ratio Lower Upper

168 100

99 58.4 56.6 85.0



#11

Tert butyl alcohol

Concen: 1.773 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.030 min

Lab File: VX036720.D

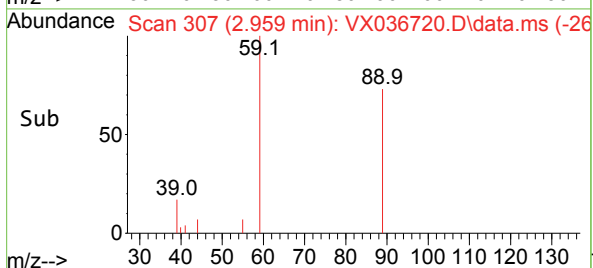
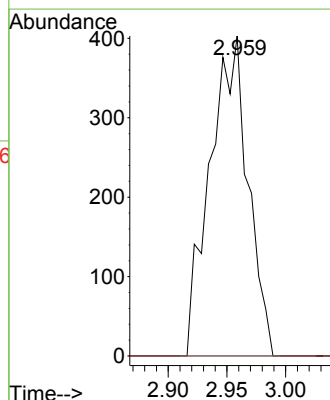
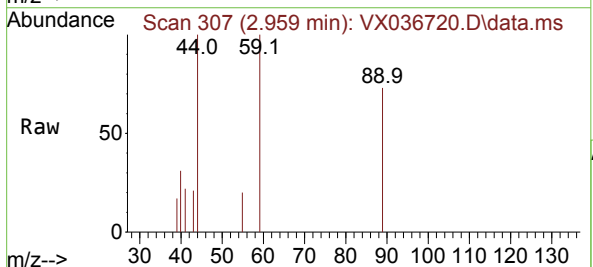
Acq: 31 Jul 2023 15:11

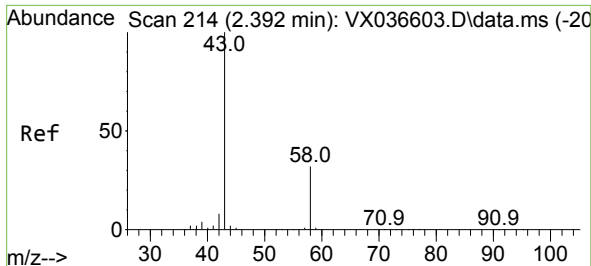
Tgt Ion: 59 Resp: 908

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

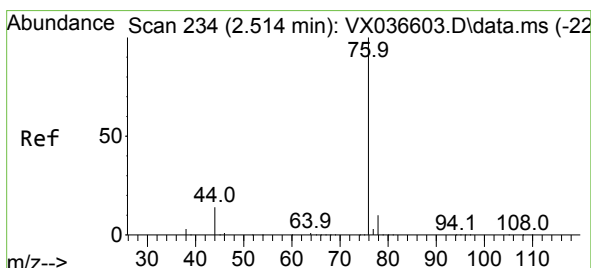
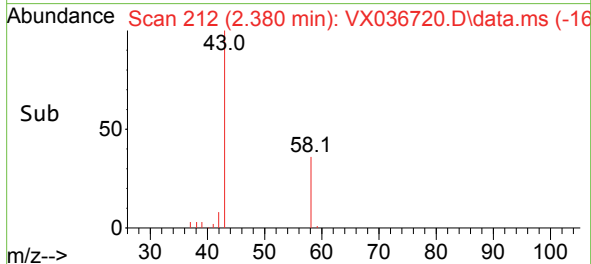
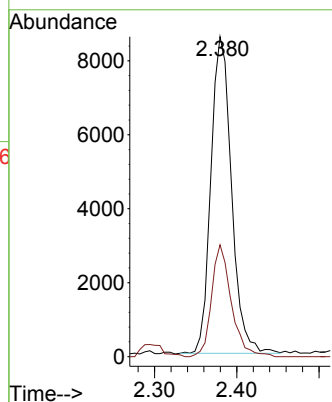
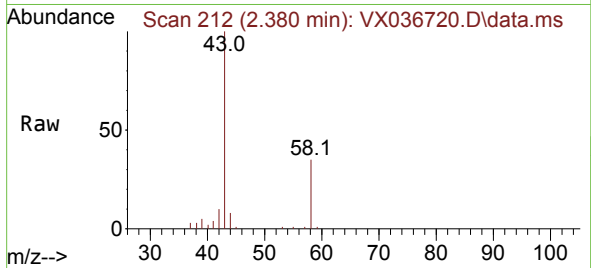




#16
Acetone
Concen: 16.599 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

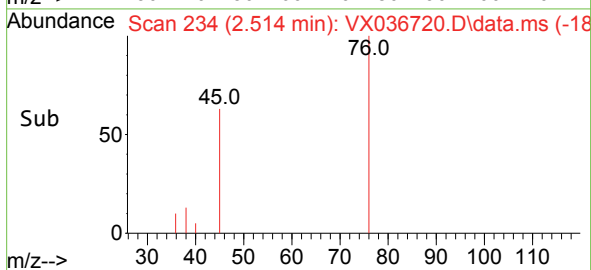
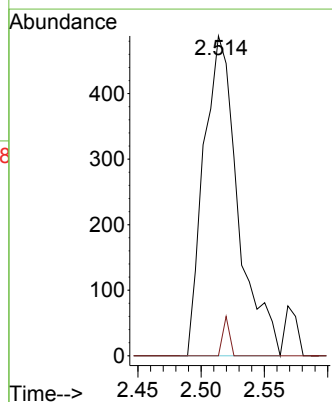
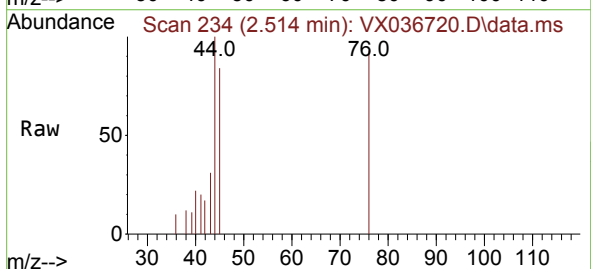
Instrument :
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ClientSampleId :
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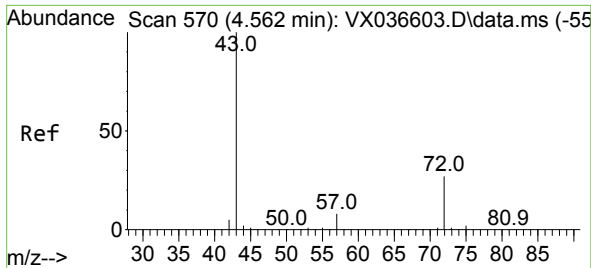
Tgt Ion: 43 Resp: 14897
Ion Ratio Lower Upper
43 100
58 35.3 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.204 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 76 Resp: 922
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

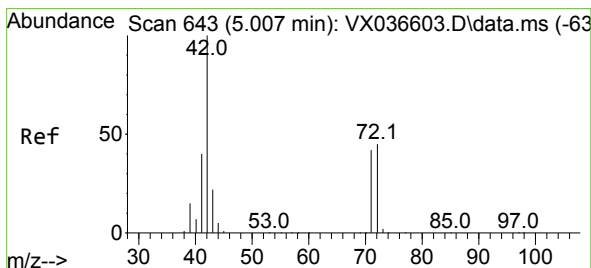
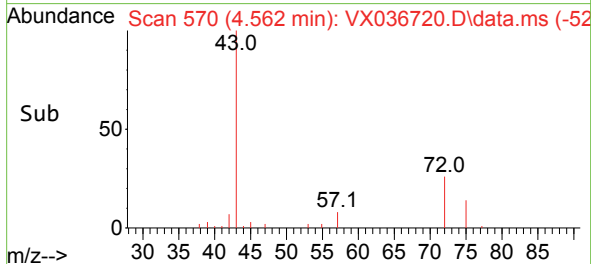
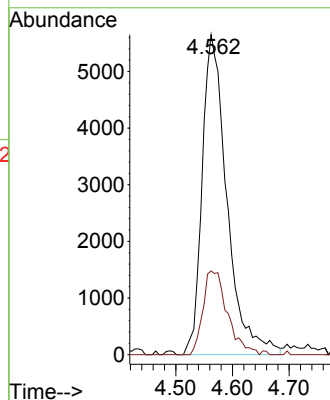
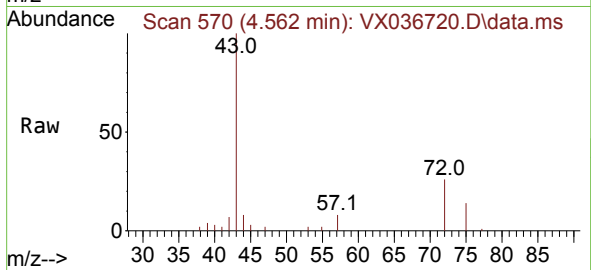




#25
2-Butanone
Concen: 11.765 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

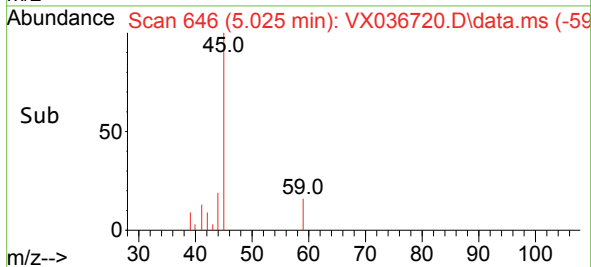
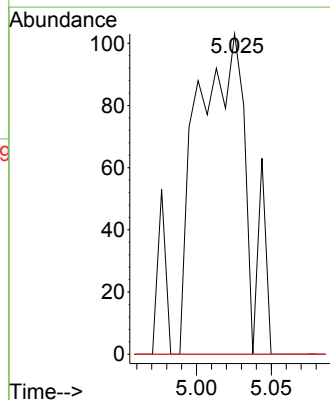
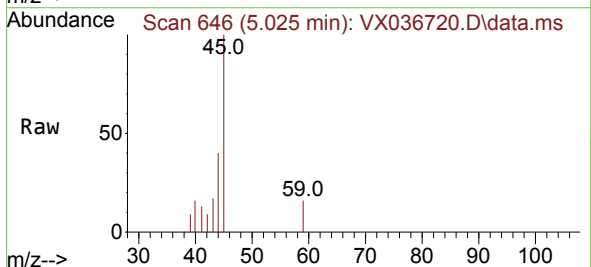
Instrument :
MSVOA_X
ClientSampleId :
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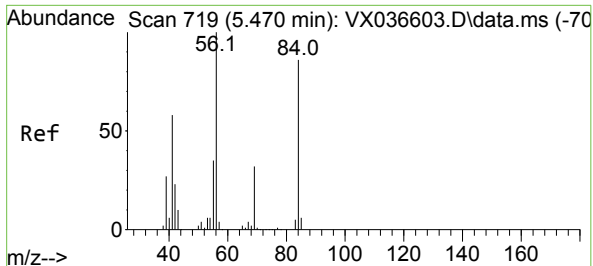
Tgt Ion: 43 Resp: 17130
Ion Ratio Lower Upper
43 100
72 26.1 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.256 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.018 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

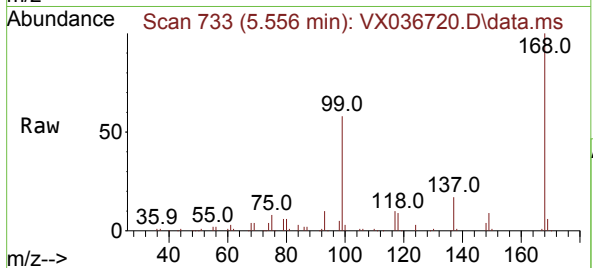
Tgt Ion: 42 Resp: 240
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#



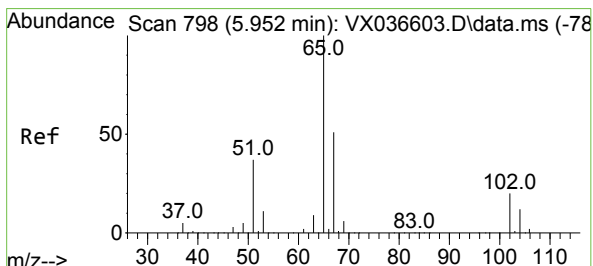
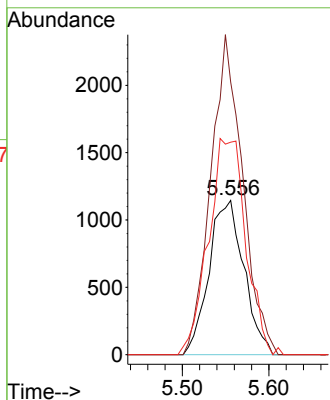
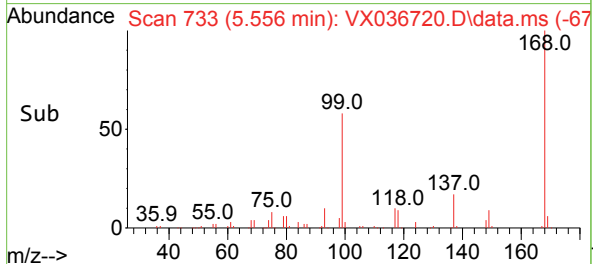


#31
Cyclohexane
Concen: 1.070 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_X
ClientSampleId :
1713

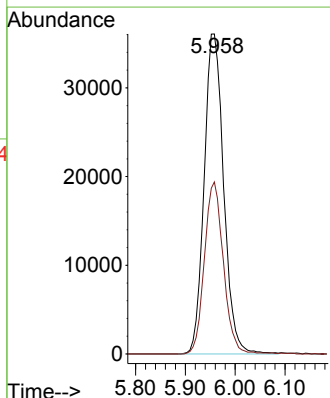
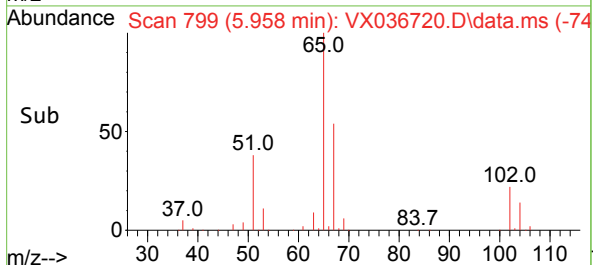
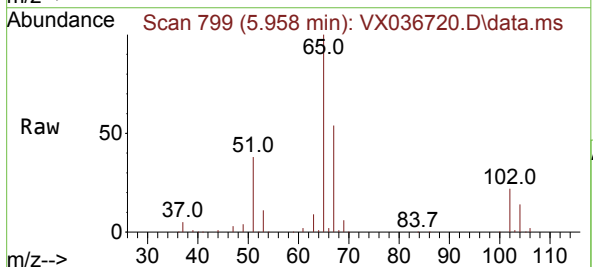


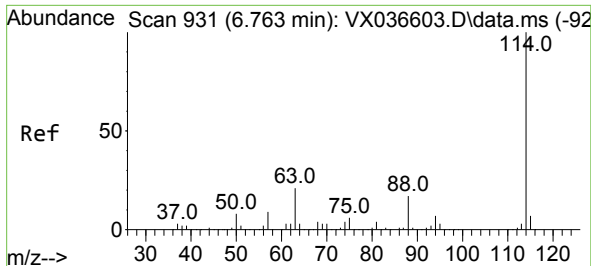
Tgt Ion: 56 Resp: 3205
Ion Ratio Lower Upper
56 100
69 176.7 23.4 35.2#
84 137.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.360 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 65 Resp: 98102
Ion Ratio Lower Upper
65 100
67 52.3 0.0 100.2

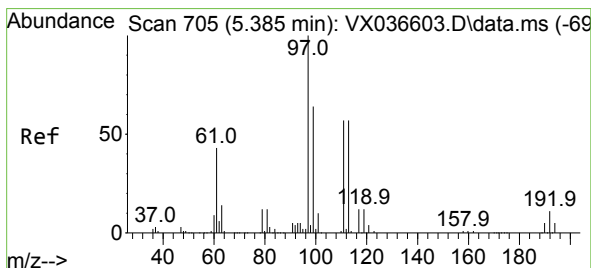
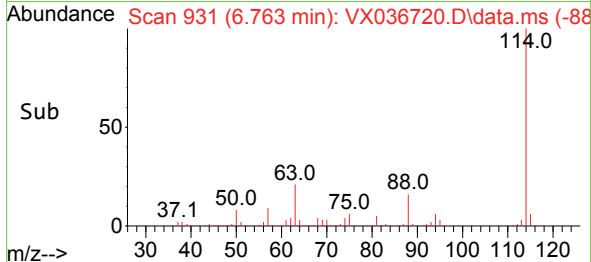
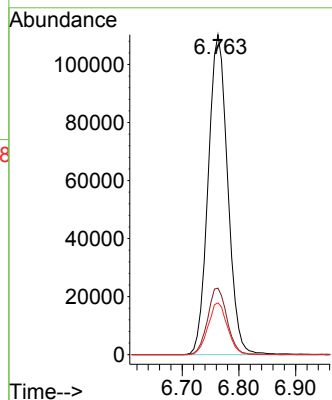
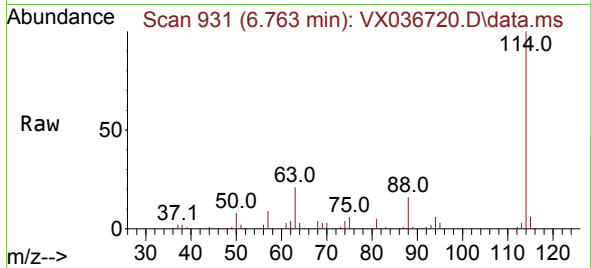




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 913
Delta R.T. -0.000 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

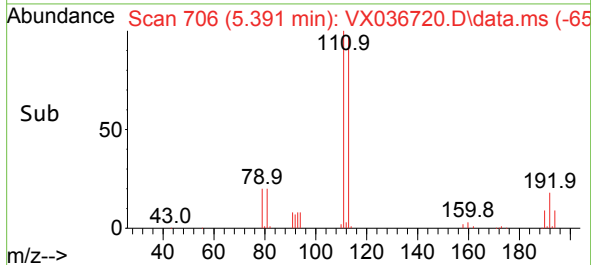
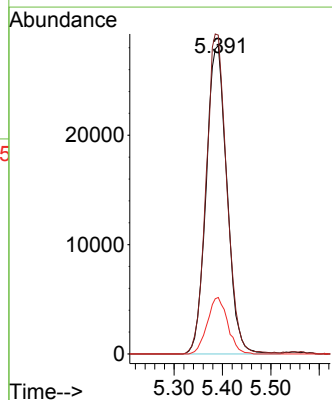
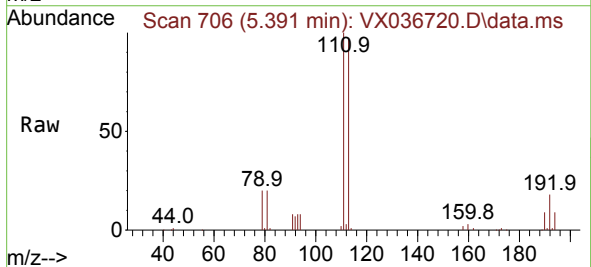
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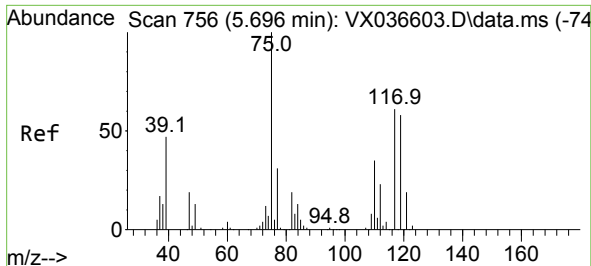
Tgt Ion:114 Resp: 263277
Ion Ratio Lower Upper
114 100
63 20.8 0.0 45.0
88 16.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.469 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

Tgt Ion:113 Resp: 84091
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 18.0 13.3 19.9

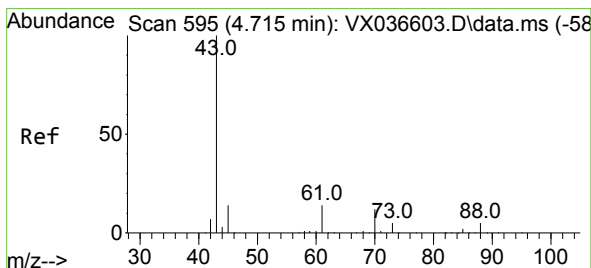
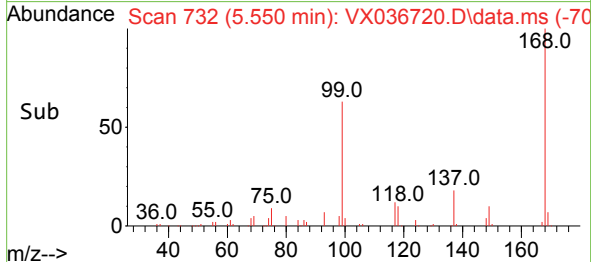
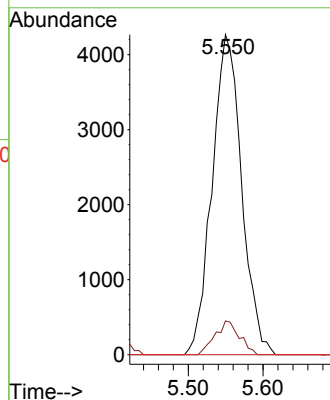
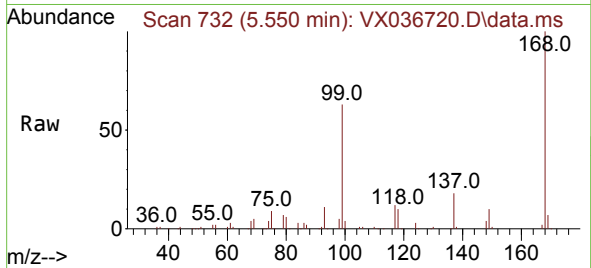




#36
1,1-Dichloropropene
Concen: 4.344 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

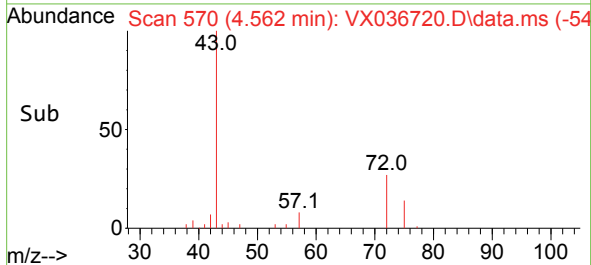
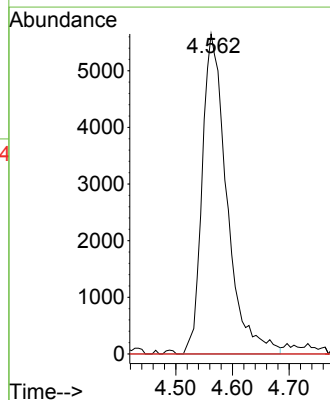
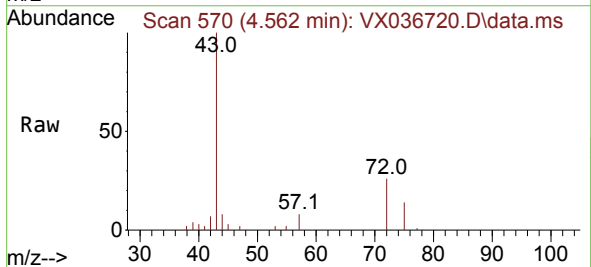
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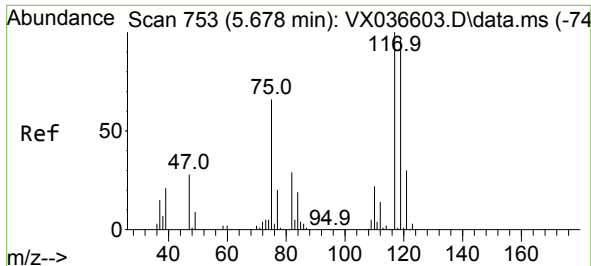
Tgt Ion: 75 Resp: 11716
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 5.611 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.152 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 43 Resp: 17130
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#

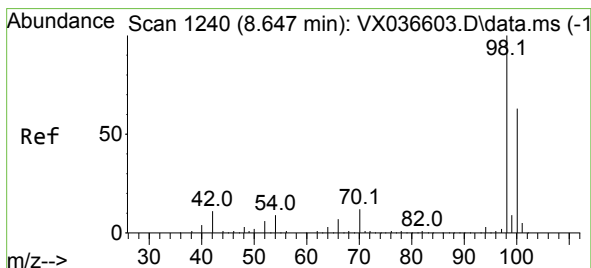
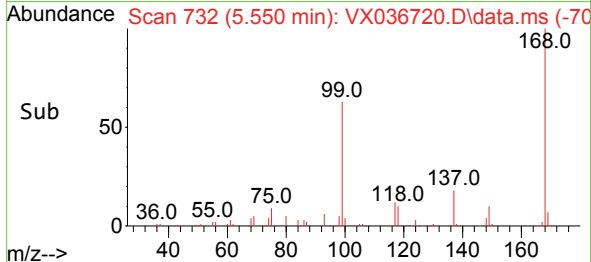
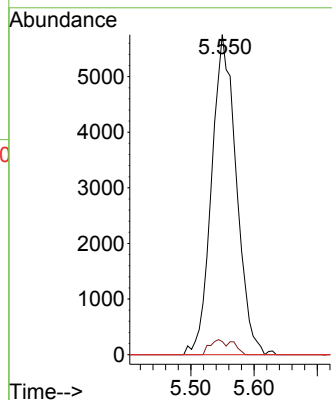
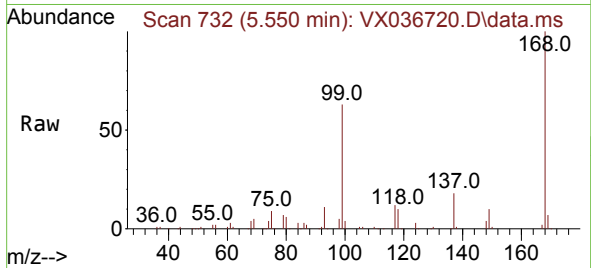




#38
Carbon Tetrachloride
Concen: 5.451 ug/l
RT: 5.550 min Scan# 713
Delta R.T. -0.128 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

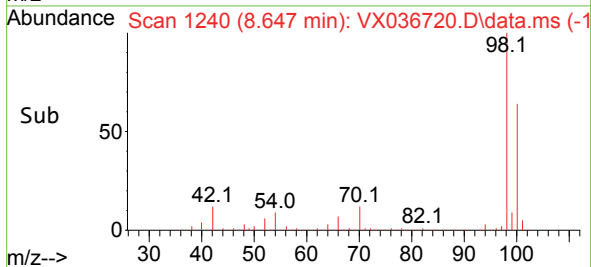
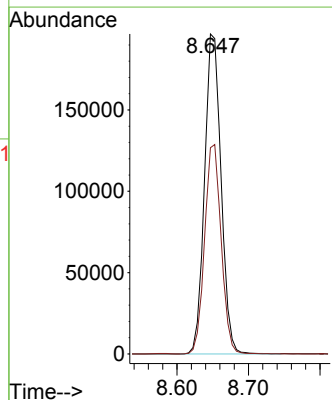
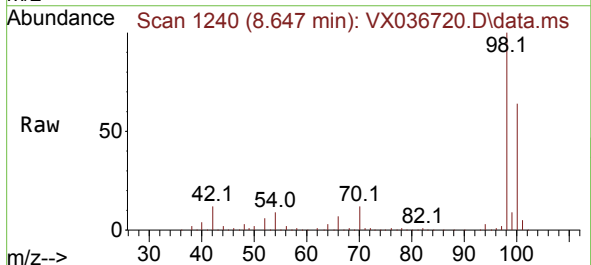
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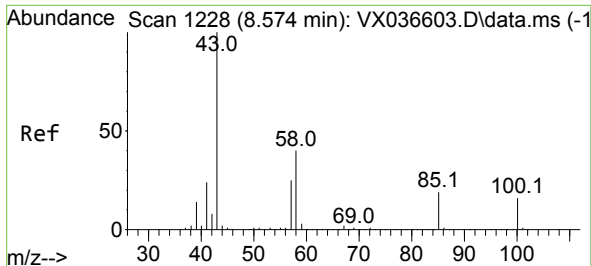
Tgt Ion:117 Resp: 15630
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.231 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 98 Resp: 315929
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7

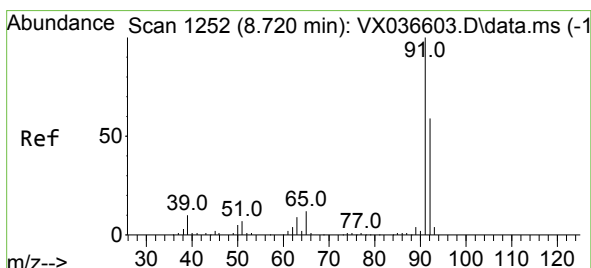
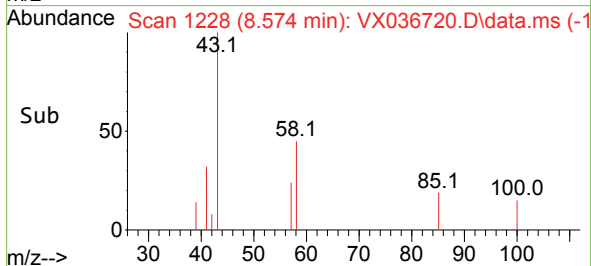
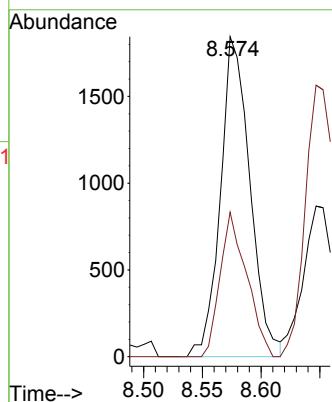
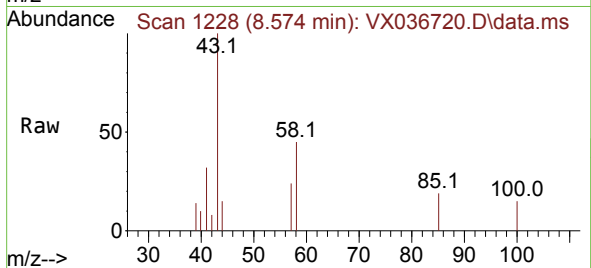




#51
4-Methyl-2-Pentanone
Concen: 1.110 ug/l
RT: 8.574 min Scan# 11713
Delta R.T. -0.000 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

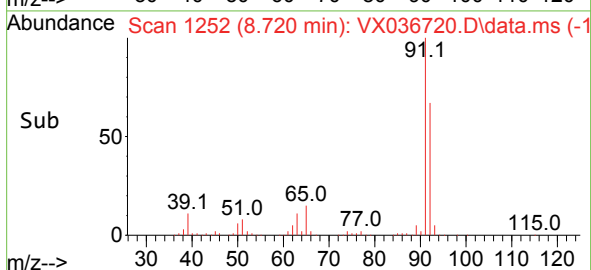
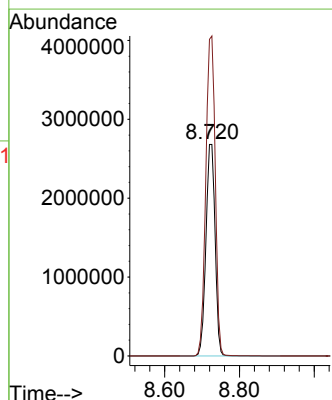
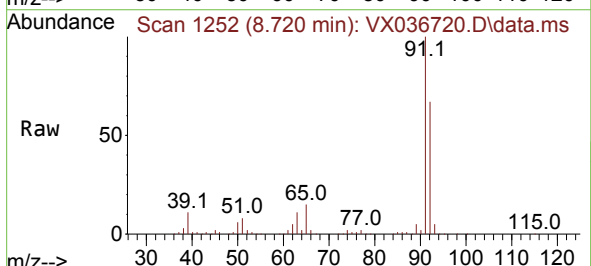
Instrument :
MSVOA_X
ClientSampleId :
1713

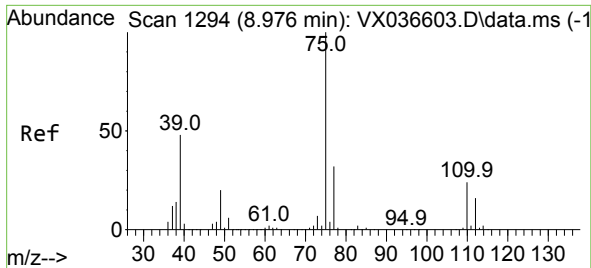
Tgt Ion: 43 Resp: 3229
Ion Ratio Lower Upper
43 100
58 40.7 30.4 45.6



#52
Toluene
Concen: 922.750 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 92 Resp: 4537264
Ion Ratio Lower Upper
92 100
91 156.7 134.2 201.2

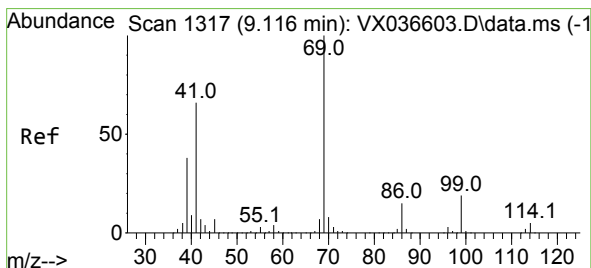
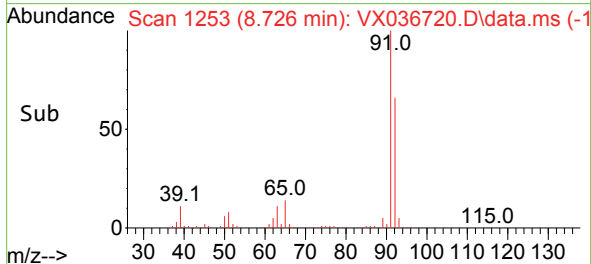
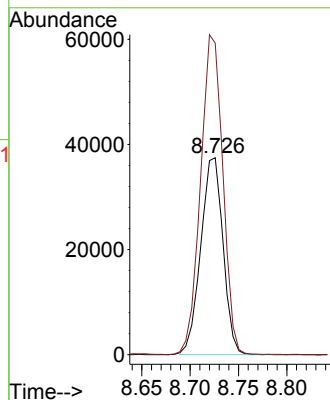
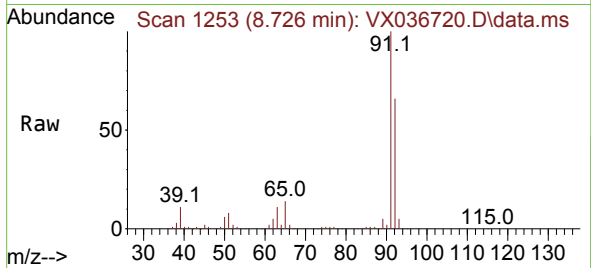




#53
t-1,3-Dichloropropene
Concen: 17.673 ug/l
RT: 8.726 min Scan# 11713
Delta R.T. -0.250 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

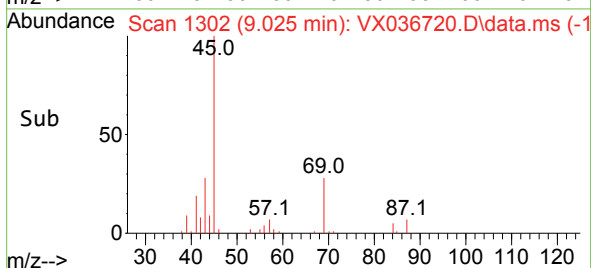
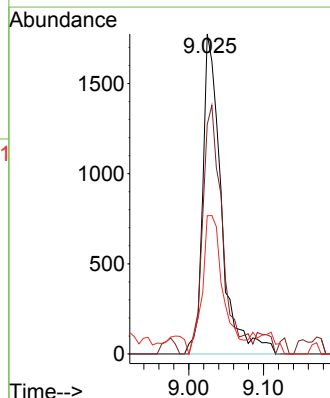
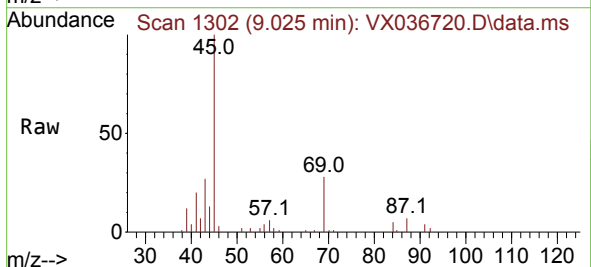
Instrument :
MSVOA_X
ClientSampleId :
1713

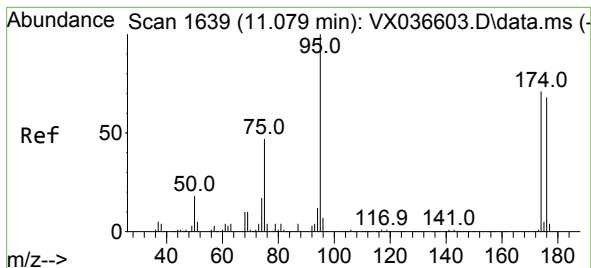
Tgt Ion: 75 Resp: 60123
Ion Ratio Lower Upper
75 100
77 157.9 25.7 38.5#



#56
Ethyl methacrylate
Concen: 0.906 ug/l
RT: 9.025 min Scan# 1302
Delta R.T. -0.091 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 69 Resp: 3050
Ion Ratio Lower Upper
69 100
41 82.3 56.8 85.2
39 48.3 32.0 48.0#

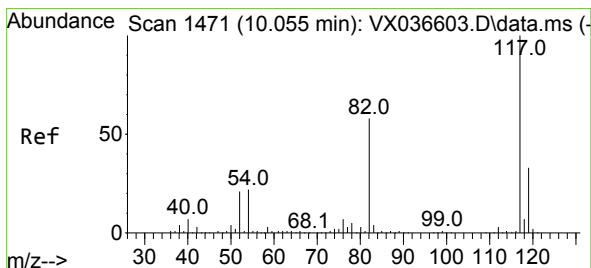
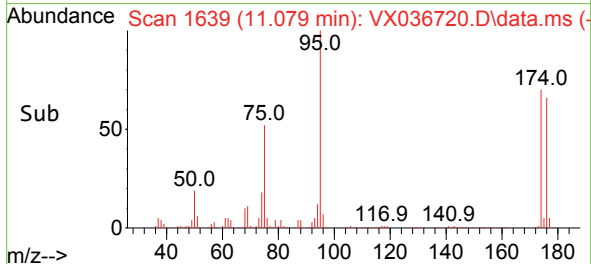
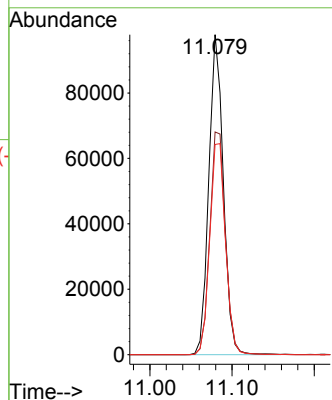
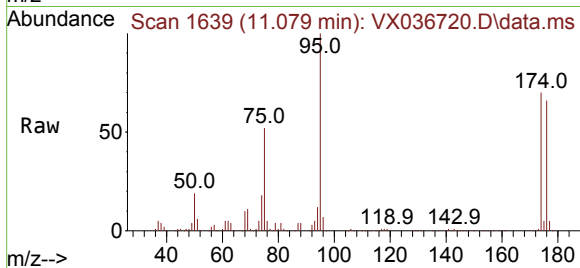




#62
4-Bromofluorobenzene
Concen: 49.586 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

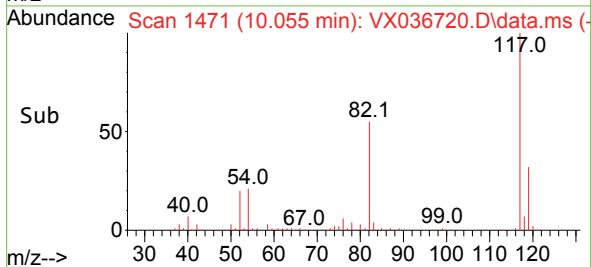
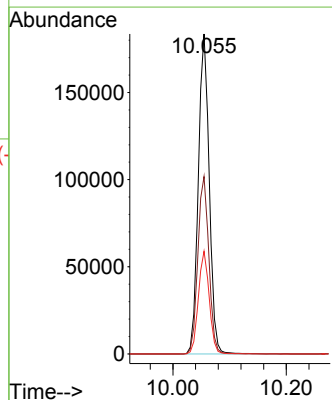
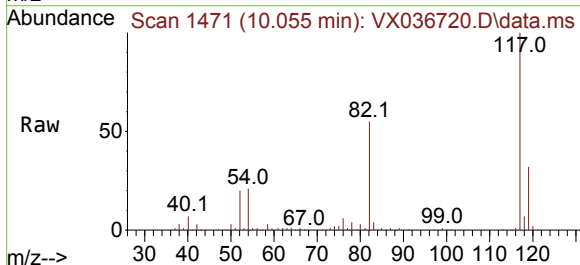
Instrument :
MSVOA_X
ClientSampleId :
1713

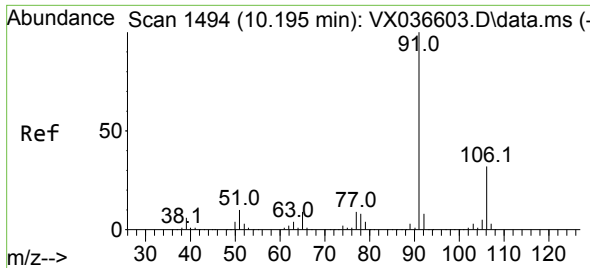
Tgt Ion: 95 Resp: 120054
Ion Ratio Lower Upper
95 100
174 74.6 0.0 135.6
176 71.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 117 Resp: 244987
Ion Ratio Lower Upper
117 100
82 55.5 46.2 69.4
119 32.1 25.5 38.3

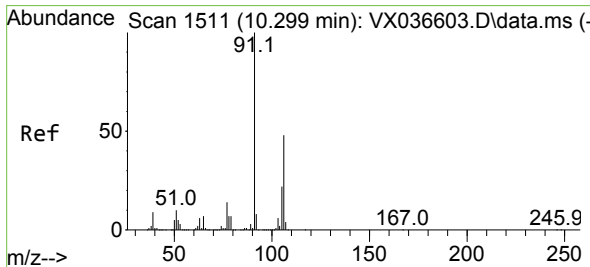
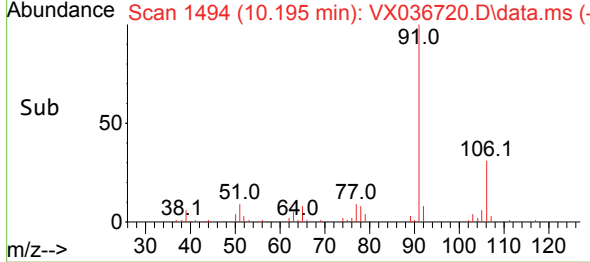
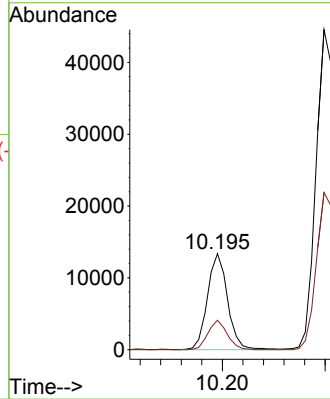
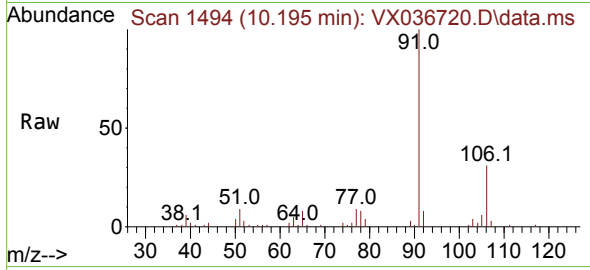




#67
Ethyl Benzene
Concen: 1.843 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

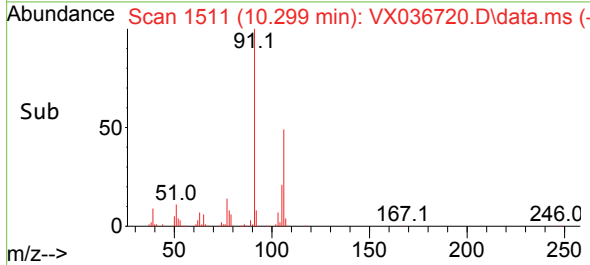
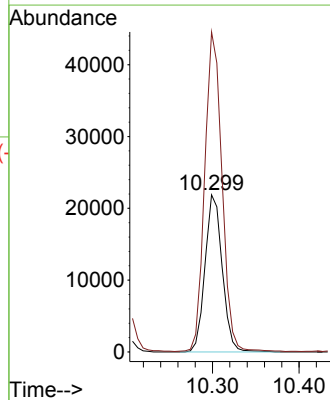
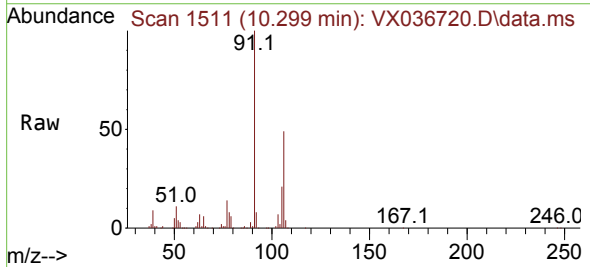
Instrument :
MSVOA_X
ClientSampleId :
1713

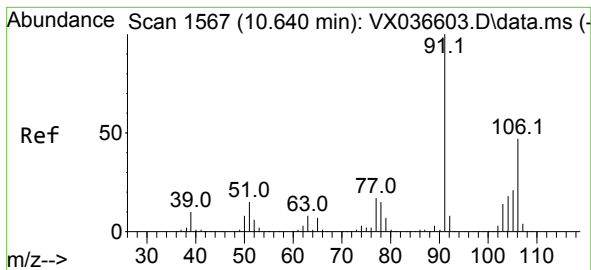
Tgt Ion: 91 Resp: 18184
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3



#68
m/p-Xylenes
Concen: 8.210 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 106 Resp: 30221
Ion Ratio Lower Upper
106 100
91 204.4 165.5 248.3





#69

o-Xylene

Concen: 5.702 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX036720.D

Acq: 31 Jul 2023 15:11

Instrument :

MSVOA_X

ClientSampleId :

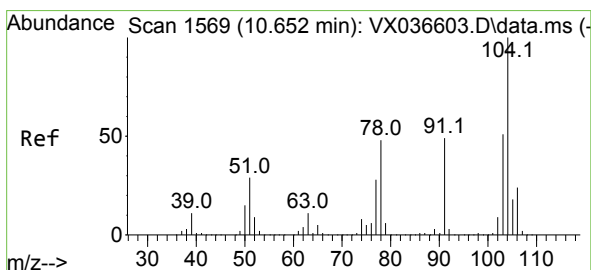
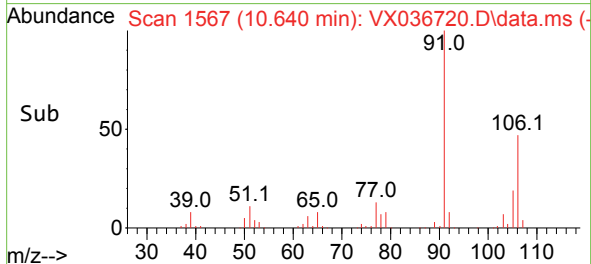
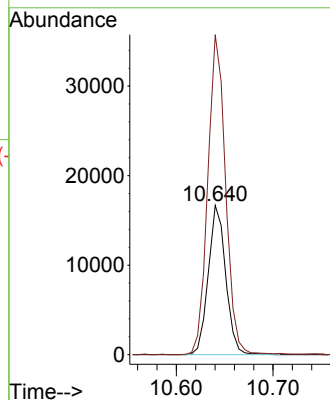
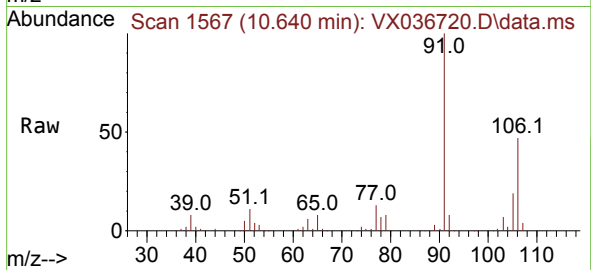
1713

Tgt Ion:106 Resp: 20949

Ion Ratio Lower Upper

106 100

91 219.1 108.9 326.8



#70

Styrene

Concen: 0.234 ug/l

RT: 10.646 min Scan# 1568

Delta R.T. -0.006 min

Lab File: VX036720.D

Acq: 31 Jul 2023 15:11

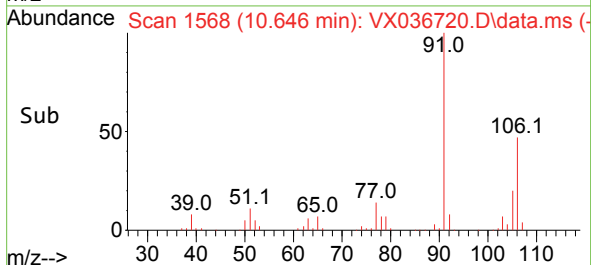
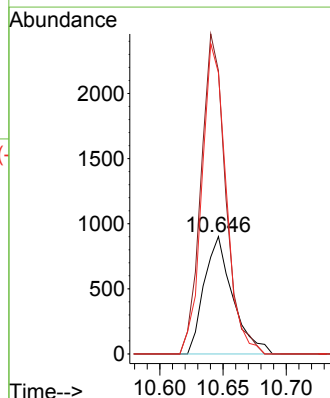
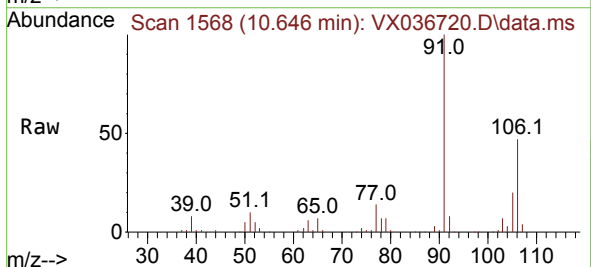
Tgt Ion:104 Resp: 1417

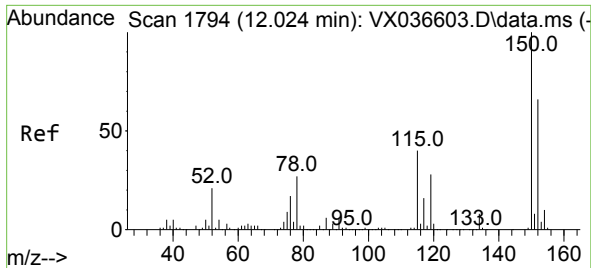
Ion Ratio Lower Upper

104 100

78 234.7 43.6 65.4#

103 224.3 43.6 65.4#

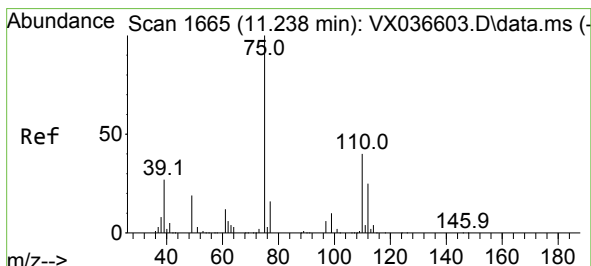
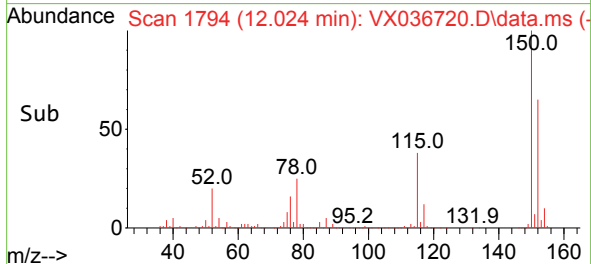
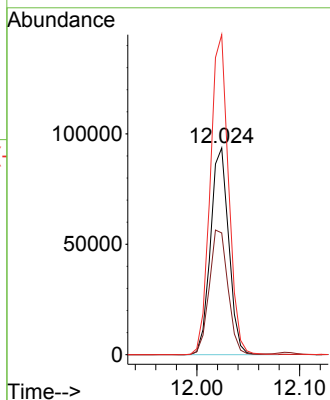
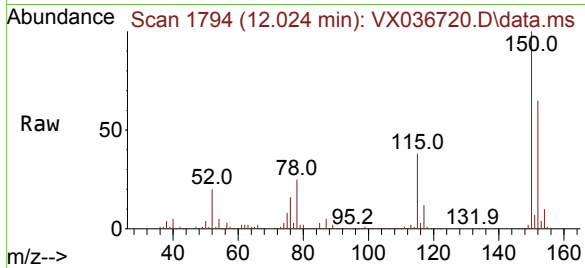




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1713
 Delta R.T. -0.000 min
 Lab File: VX036720.D
 Acq: 31 Jul 2023 15:11

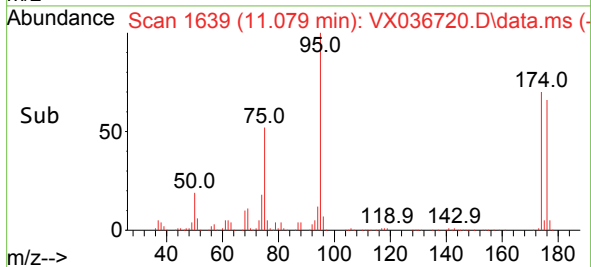
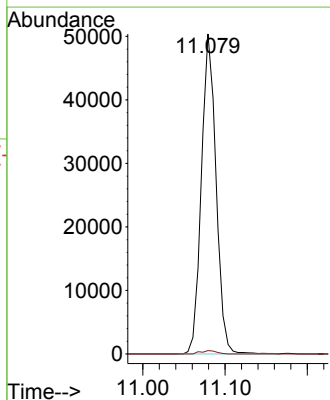
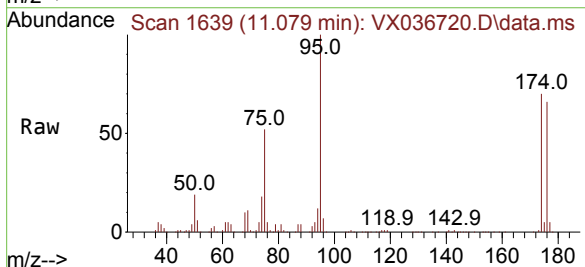
Instrument :
 MSVOA_X
 ClientSampleId :
 1713

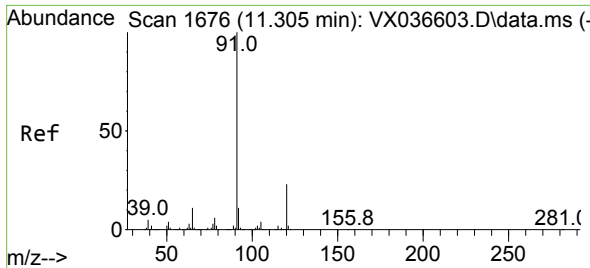
Tgt Ion:152 Resp: 115253
 Ion Ratio Lower Upper
 152 100
 115 61.9 43.3 129.9
 150 155.5 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 23.052 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX036720.D
 Acq: 31 Jul 2023 15:11

Tgt Ion: 75 Resp: 62491
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

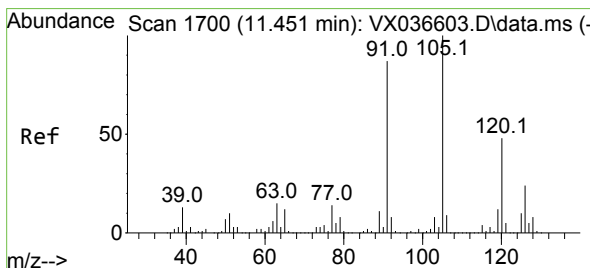
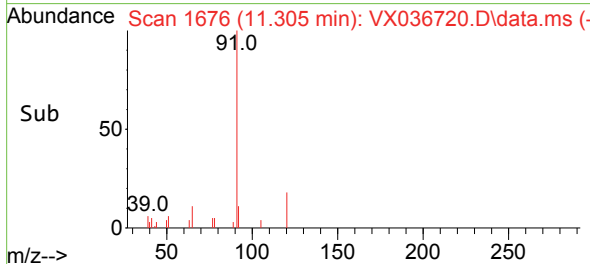
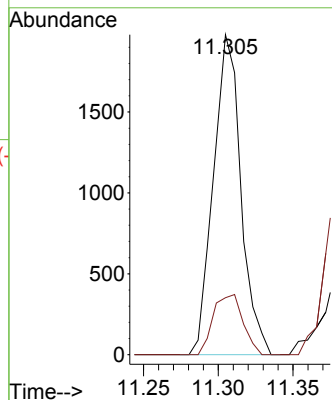
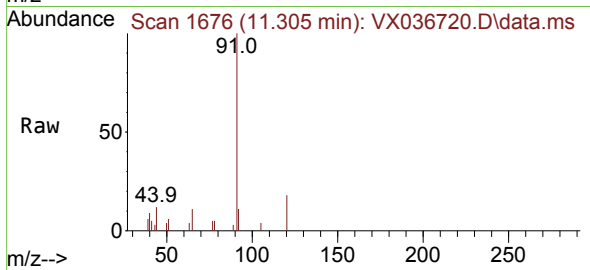




#78
n-propylbenzene
Concen: 0.229 ug/l
RT: 11.305 min Scan# 1713
Delta R.T. -0.000 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

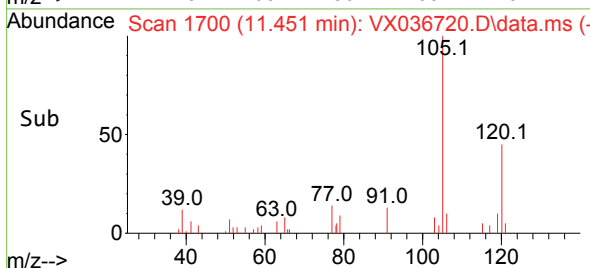
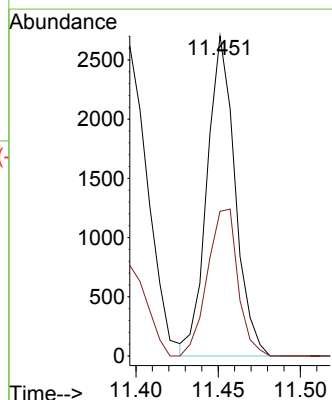
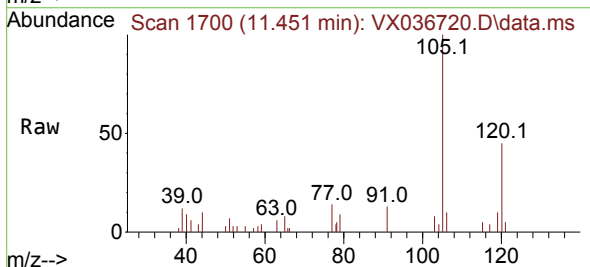
Instrument :
MSVOA_X
ClientSampleId :
1713

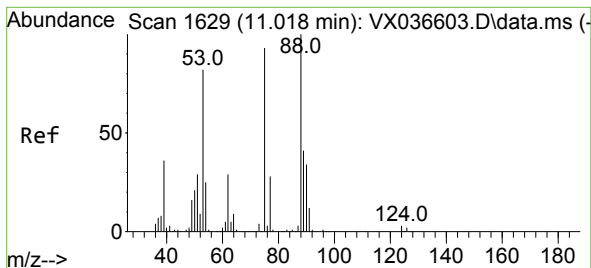
Tgt Ion: 91 Resp: 2529
Ion Ratio Lower Upper
91 100
120 20.3 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 0.400 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 105 Resp: 3192
Ion Ratio Lower Upper
105 100
120 50.0 24.1 72.3

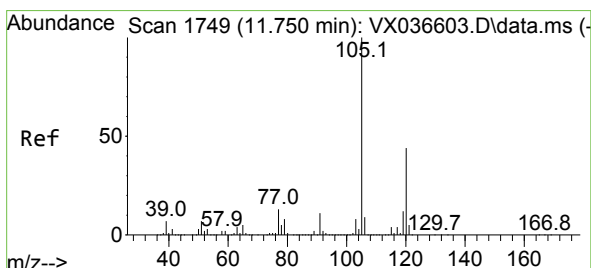
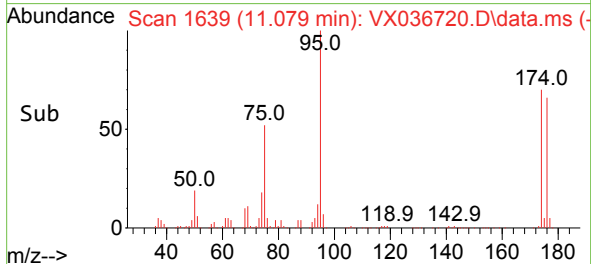
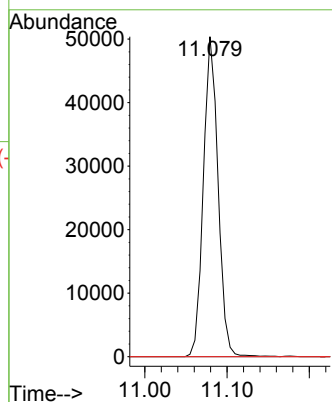
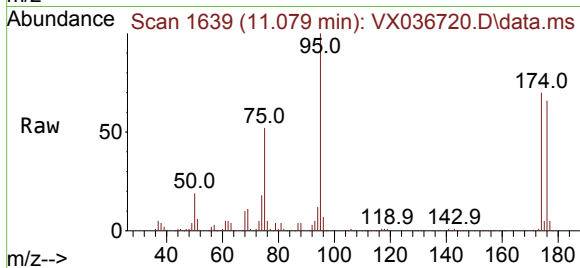




#81
trans-1,4-Dichloro-2-butene
Concen: 52.249 ug/l
RT: 11.079 min Scan# 1713
Delta R.T. 0.061 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

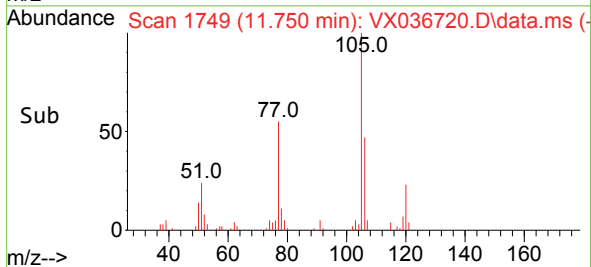
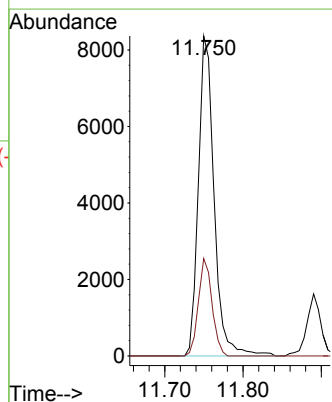
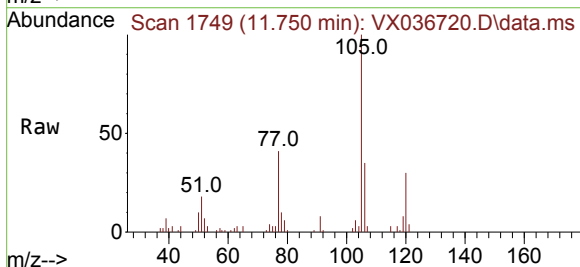
Instrument :
MSVOA_X
ClientSampleId :
1713

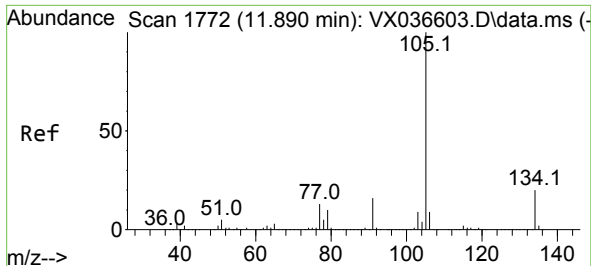
Tgt Ion: 75 Resp: 62491
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 1.466 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 105 Resp: 11695
Ion Ratio Lower Upper
105 100
120 26.5 21.2 63.6

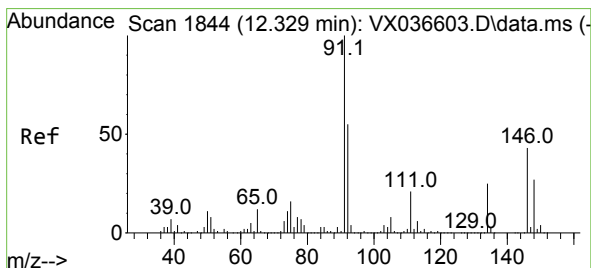
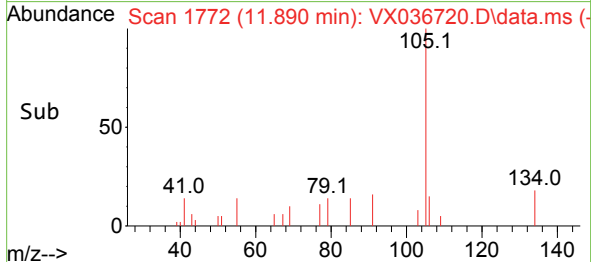
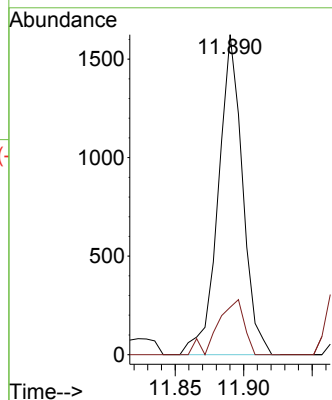
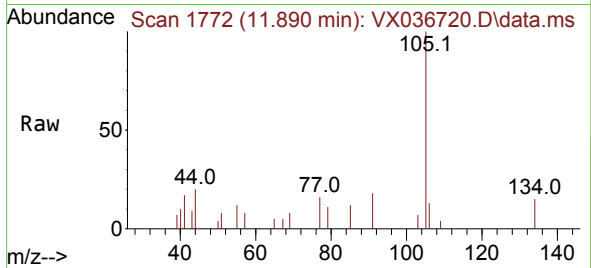




#85
 sec-Butylbenzene
 Concen: 0.205 ug/l
 RT: 11.890 min Scan# 1713
 Delta R.T. -0.000 min
 Lab File: VX036720.D
 Acq: 31 Jul 2023 15:11

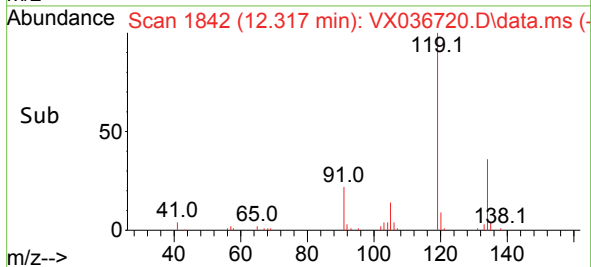
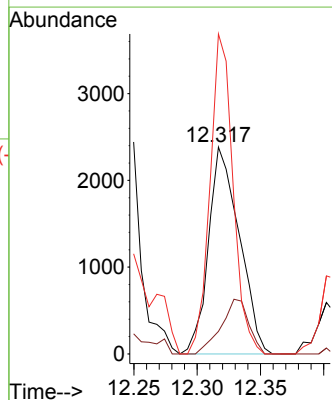
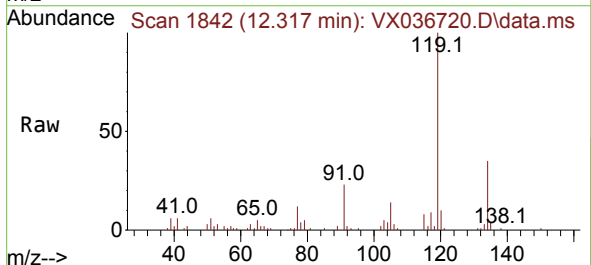
Instrument :
 MSVOA_X
 ClientSampleId :
 1713

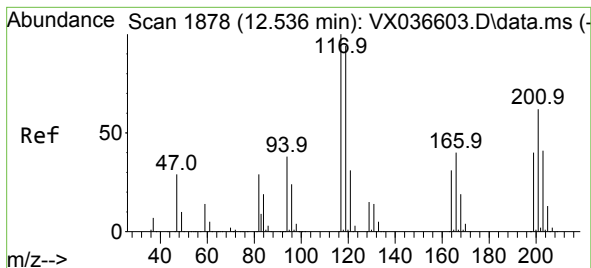
Tgt Ion:105 Resp: 2002
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.8 29.4



#89
 n-Butylbenzene
 Concen: 0.562 ug/l
 RT: 12.317 min Scan# 1842
 Delta R.T. -0.012 min
 Lab File: VX036720.D
 Acq: 31 Jul 2023 15:11

Tgt Ion: 91 Resp: 4046
 Ion Ratio Lower Upper
 91 100
 92 23.7 27.4 82.0#
 134 115.3 12.6 37.8#





#90

Hexachloroethane

Concen: 0.451 ug/l

RT: 12.555 min Scan# 1881

Delta R.T. 0.018 min

Lab File: VX036720.D

Acq: 31 Jul 2023 15:11

Instrument :

MSVOA_X

ClientSampleId :

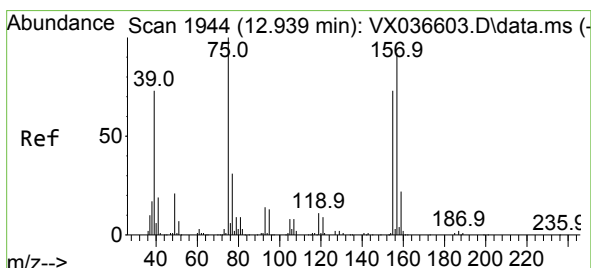
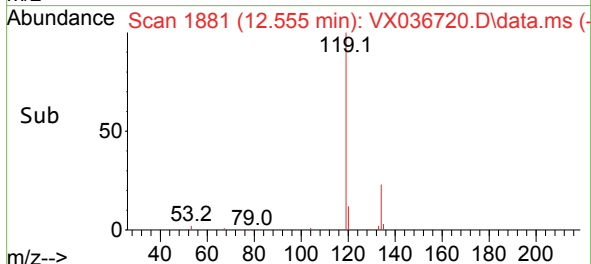
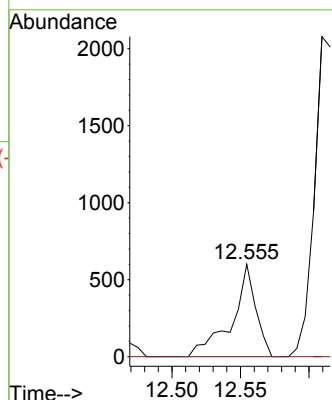
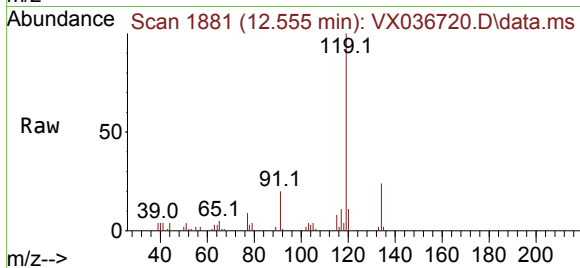
1713

Tgt Ion:117 Resp: 735

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.397 ug/l

RT: 12.920 min Scan# 1941

Delta R.T. -0.018 min

Lab File: VX036720.D

Acq: 31 Jul 2023 15:11

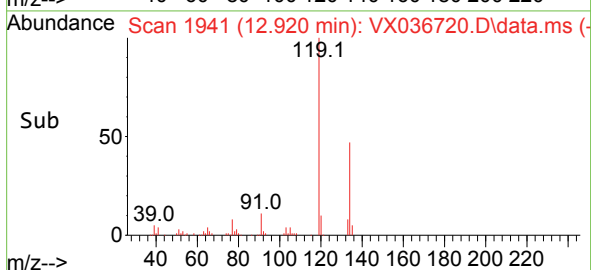
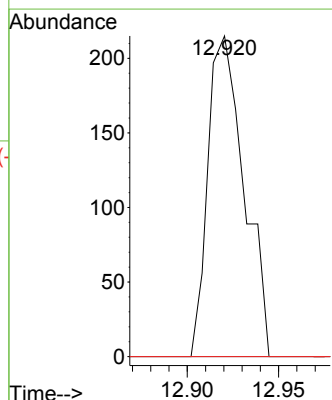
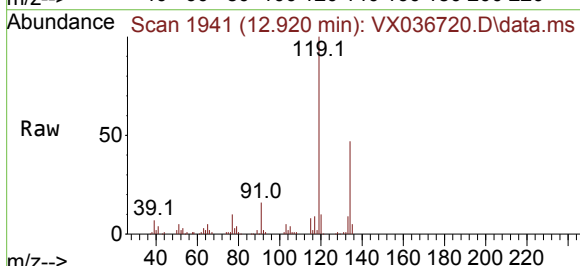
Tgt Ion: 75 Resp: 297

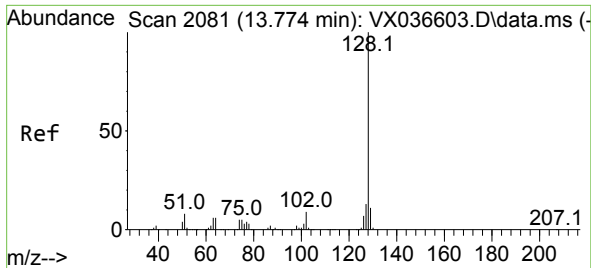
Ion Ratio Lower Upper

75 100

155 0.0 36.1 108.5#

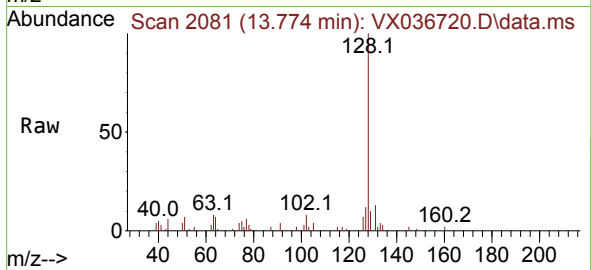
157 0.0 44.9 134.7#





#95
Naphthalene
Concen: 0.850 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX036720.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_X
ClientSampleId :
1713



Tgt Ion:128 Resp: 7087
Ion Ratio Lower Upper
128 100
127 14.1 10.3 15.5
129 12.1 8.8 13.2

