

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073123\
 Data File : VX036717.D
 Acq On : 31 Jul 2023 13:59
 Operator : JC/MD
 Sample : 03808-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1710

Quant Time: Aug 01 04:36:30 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)

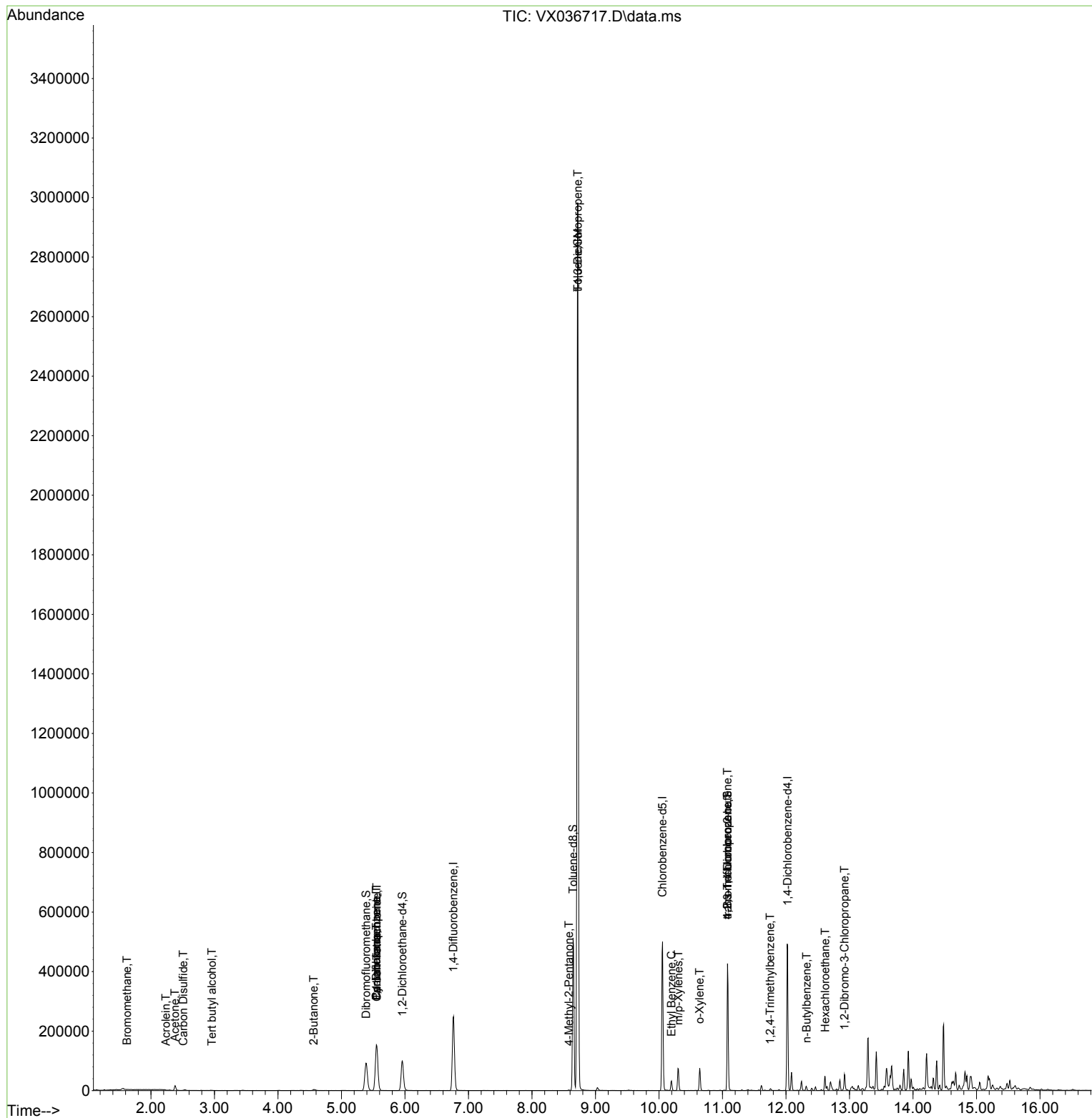
Internal Standards						
1) Pentafluorobenzene	5.550	168	143283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	255036	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	95834	45.203	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.400%		
35) Dibromofluoromethane	5.385	113	82484	47.054	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.100%		
50) Toluene-d8	8.647	98	307861	49.524	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.040%		
62) 4-Bromofluorobenzene	11.079	95	110594	47.154	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.300%		
Target Compounds						Qvalue
5) Bromomethane	1.624	94	219	0.209	ug/l #	77
11) Tert butyl alcohol	2.959	59	861	1.715	ug/l #	78
13) Acrolein	2.233	56	196	0.684	ug/l #	33
16) Acetone	2.380	43	16733	19.020	ug/l	90
17) Carbon Disulfide	2.508	76	1042	0.235	ug/l #	92
25) 2-Butanone	4.562	43	4641	3.251	ug/l	95
31) Cyclohexane	5.550	56	3269	1.114	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11773	4.506	ug/l #	50
38) Carbon Tetrachloride	5.556	117	14854	5.347	ug/l #	16
51) 4-Methyl-2-Pentanone	8.580	43	1286	0.456	ug/l	95
52) Toluene	8.720	92	1120730	235.289	ug/l	99
53) t-1,3-Dichloropropene	8.720	75	13559	4.114	ug/l #	1
67) Ethyl Benzene	10.195	91	19017	2.040	ug/l	100
68) m/p-Xylenes	10.305	106	18192	5.230	ug/l	97
69) o-Xylene	10.640	106	15901	4.580	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	57764	24.203	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	57764	54.857	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	2332	0.332	ug/l	68
89) n-Butylbenzene	12.323	91	1792	0.283	ug/l #	19
90) Hexachloroethane	12.616	117	2191	1.526	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	12.920	75	233	0.354	ug/l #	9

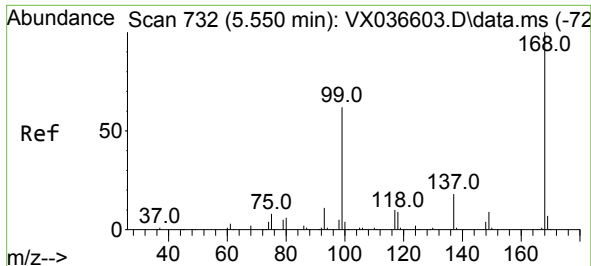
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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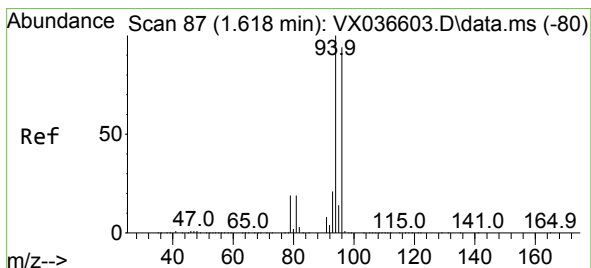
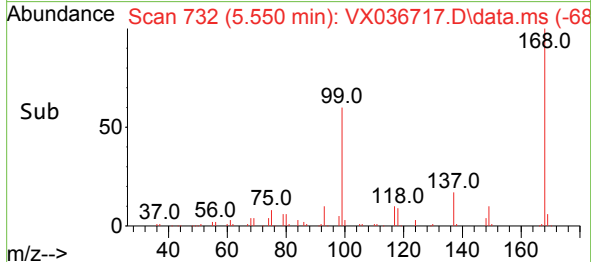
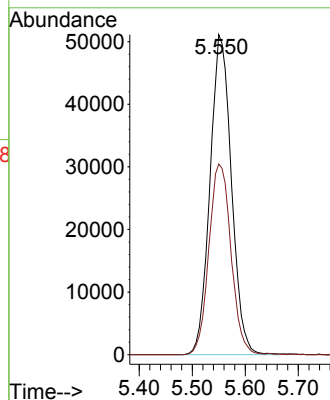
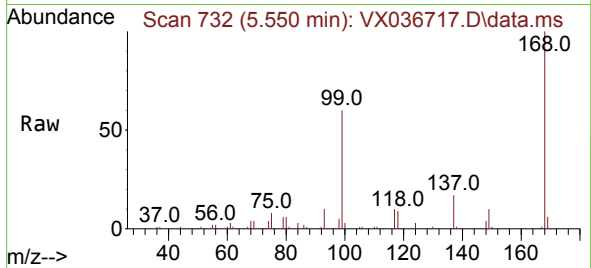




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

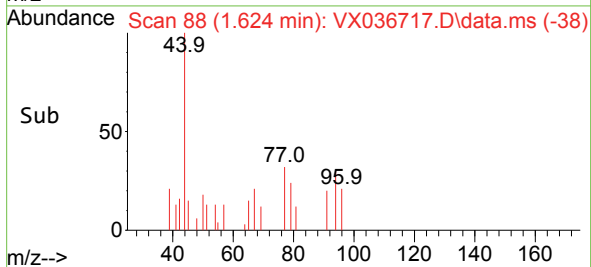
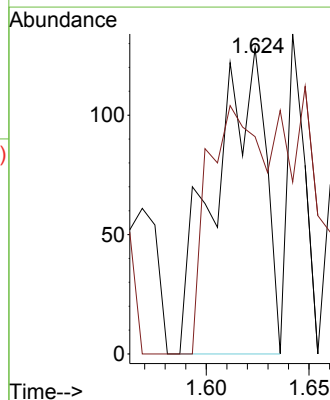
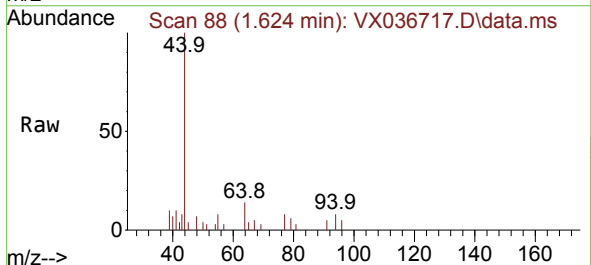
Instrument :
MSVOA_X
ClientSampleId :
1710

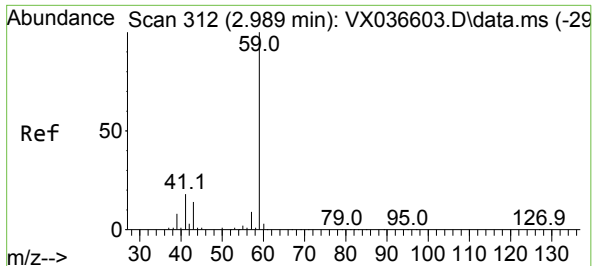
Tgt Ion:168 Resp: 143283
Ion Ratio Lower Upper
168 100
99 59.6 56.6 85.0



#5
Bromomethane
Concen: 0.209 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.006 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

Tgt Ion: 94 Resp: 219
Ion Ratio Lower Upper
94 100
96 71.1 74.6 111.8#

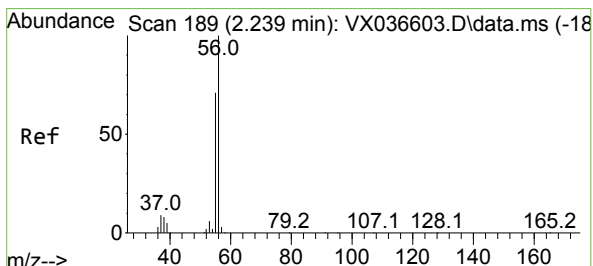
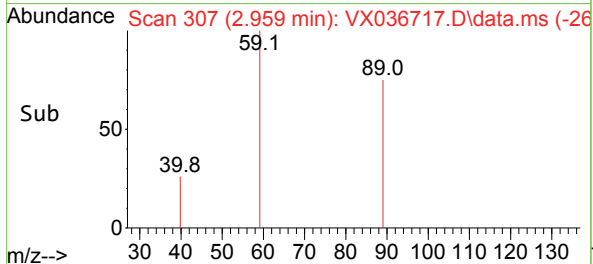
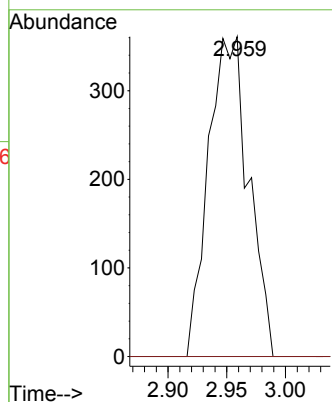
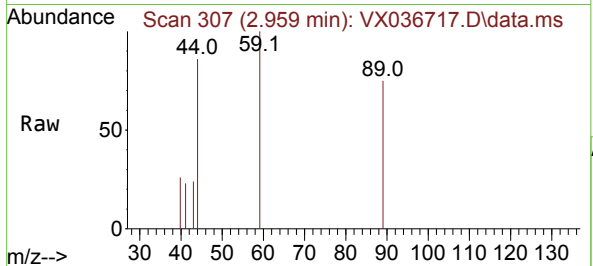




#11
Tert butyl alcohol
Concen: 1.715 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.030 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

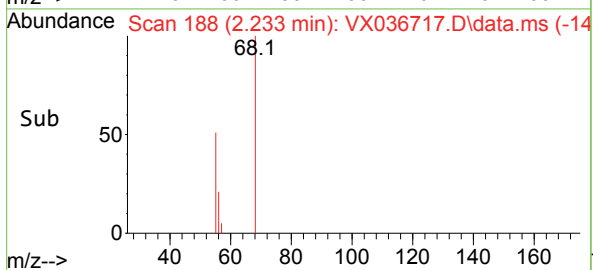
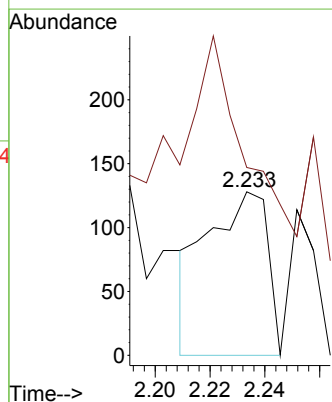
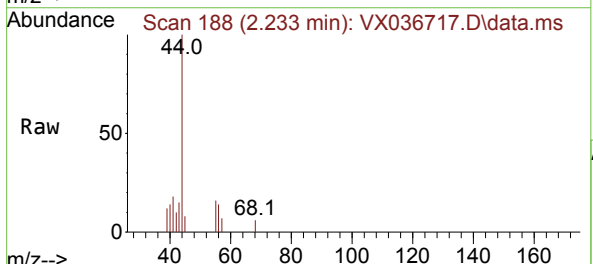
Instrument :
MSVOA_X
ClientSampleId :
1710

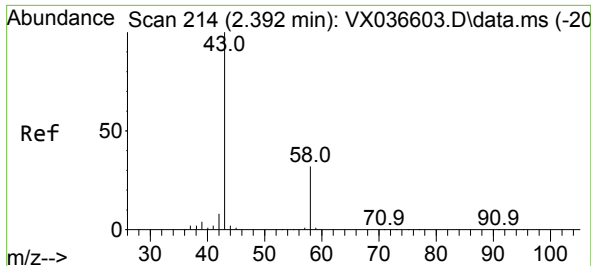
Tgt Ion: 59 Resp: 861
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.684 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

Tgt Ion: 56 Resp: 196
Ion Ratio Lower Upper
56 100
55 127.0 57.1 85.7#

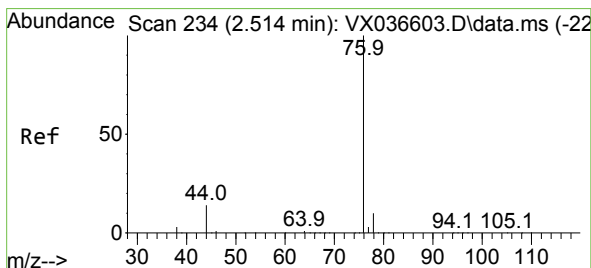
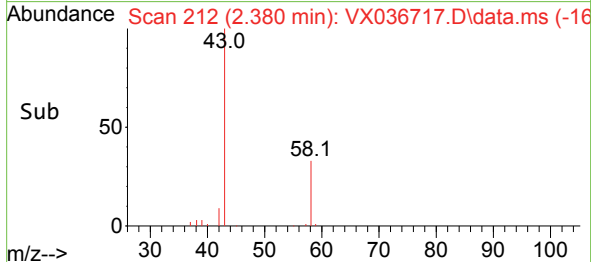
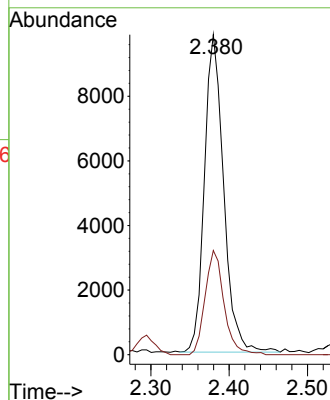
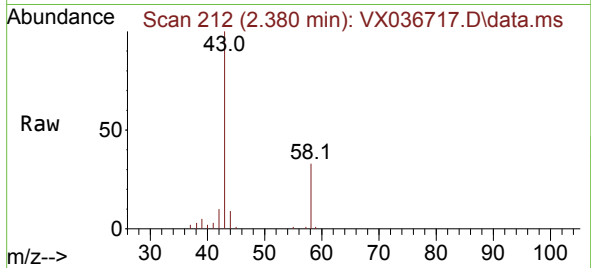




#16
Acetone
Concen: 19.020 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

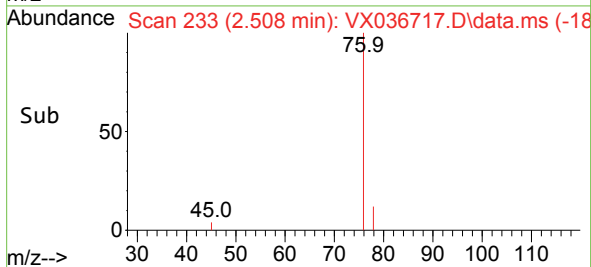
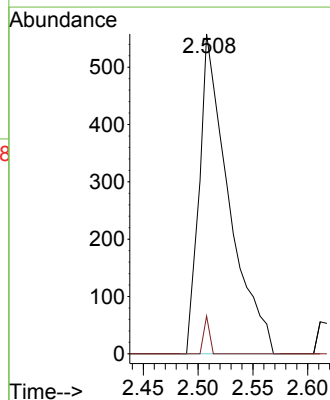
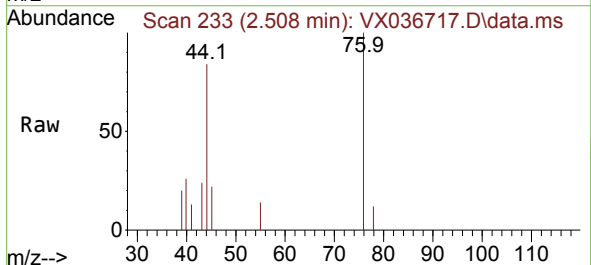
Instrument :
MSVOA_X
ClientSampleId :
1710

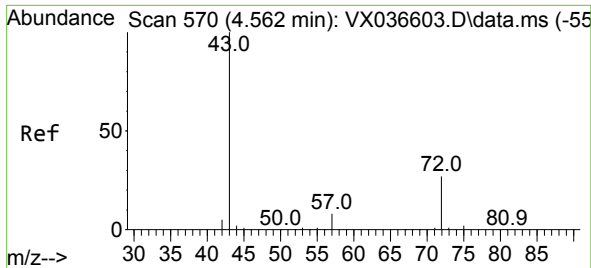
Tgt Ion: 43 Resp: 16733
Ion Ratio Lower Upper
43 100
58 32.8 21.9 32.9



#17
Carbon Disulfide
Concen: 0.235 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

Tgt Ion: 76 Resp: 1042
Ion Ratio Lower Upper
76 100
78 11.8 7.0 10.6#

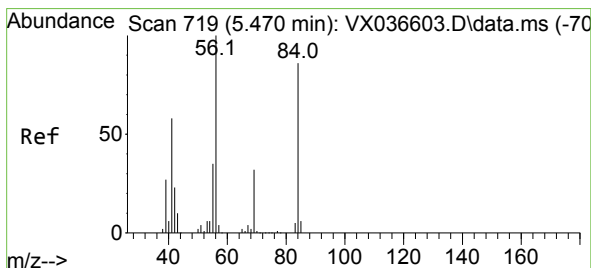
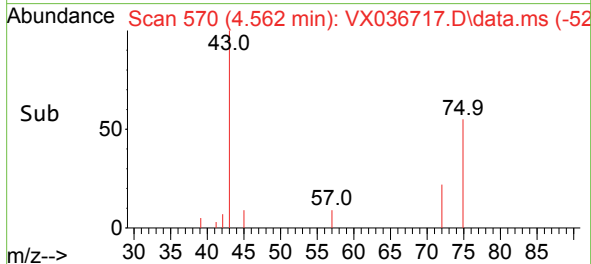
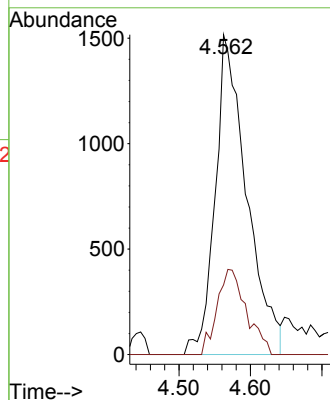
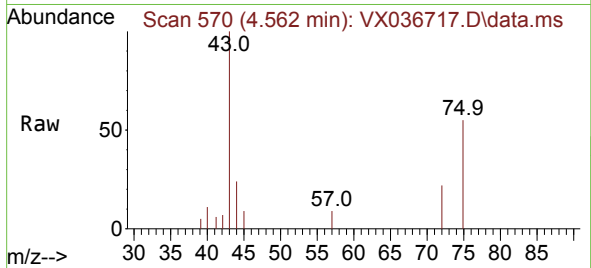




#25
2-Butanone
Concen: 3.251 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

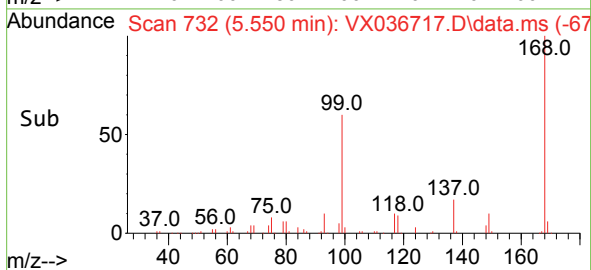
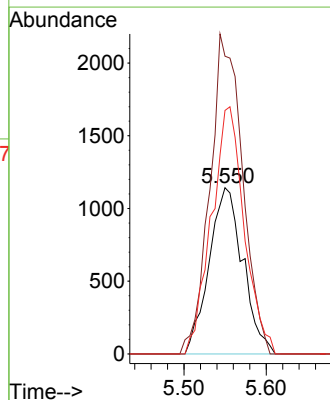
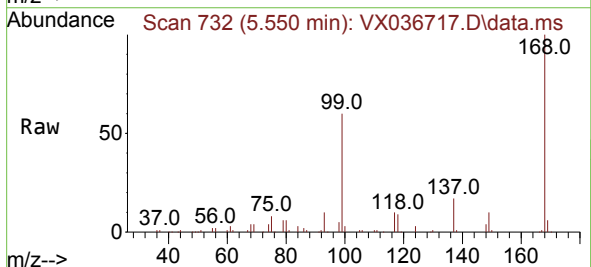
Instrument :
MSVOA_X
ClientSampleId :
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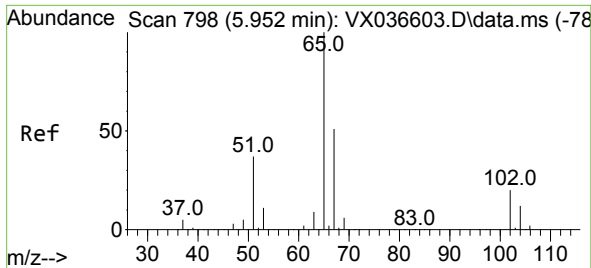
Tgt Ion: 43 Resp: 4641
Ion Ratio Lower Upper
43 100
72 21.8 19.4 29.2



#31
Cyclohexane
Concen: 1.114 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

Tgt Ion: 56 Resp: 3269
Ion Ratio Lower Upper
56 100
69 179.1 23.4 35.2#
84 146.5 65.9 98.9#

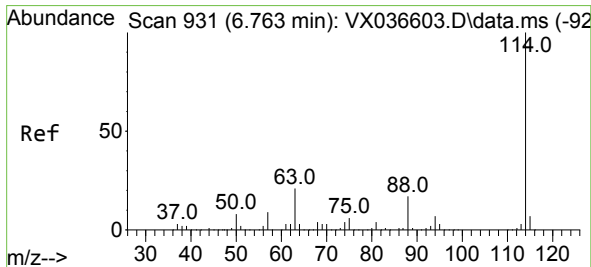
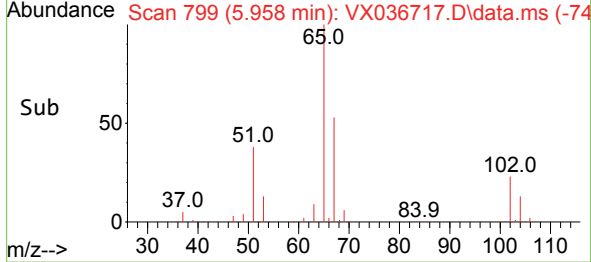
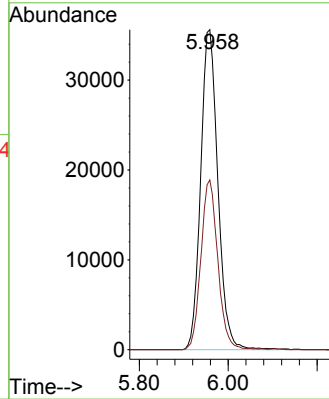
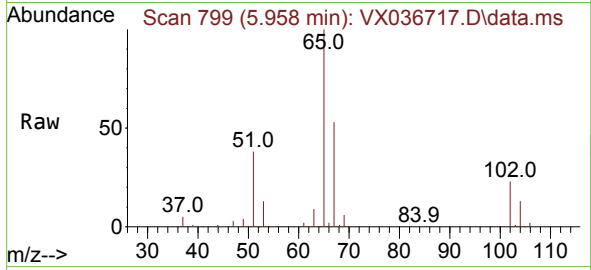




#33
 1,2-Dichloroethane-d4
 Concen: 45.203 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX036717.D
 Acq: 31 Jul 2023 13:59

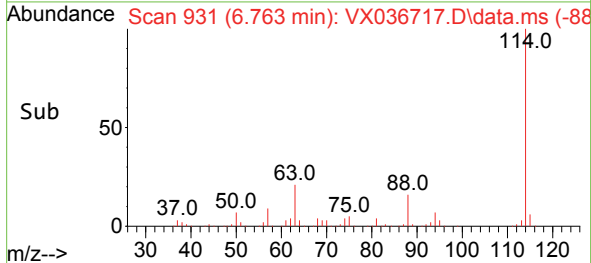
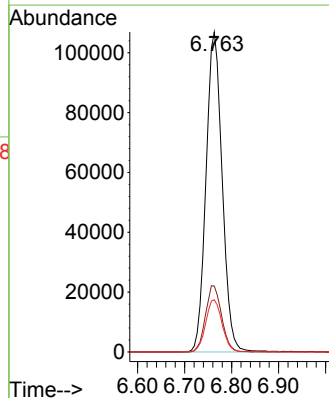
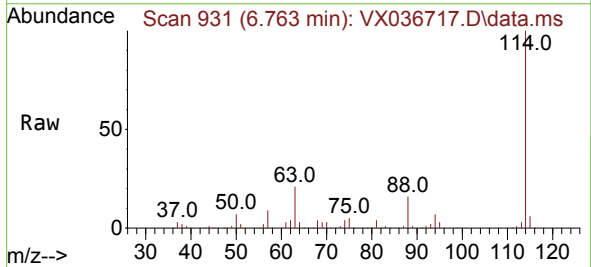
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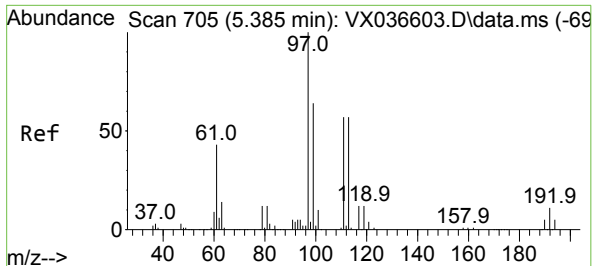
Tgt Ion: 65 Resp: 95834
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX036717.D
 Acq: 31 Jul 2023 13:59

Tgt Ion: 114 Resp: 255036
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 45.0
 88 16.3 0.0 36.6

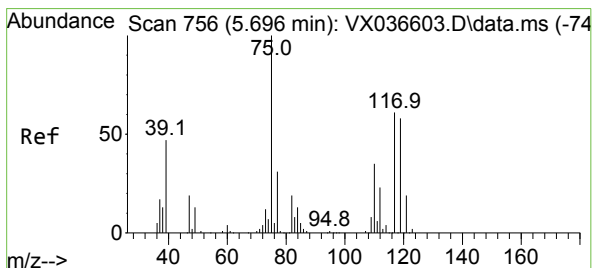
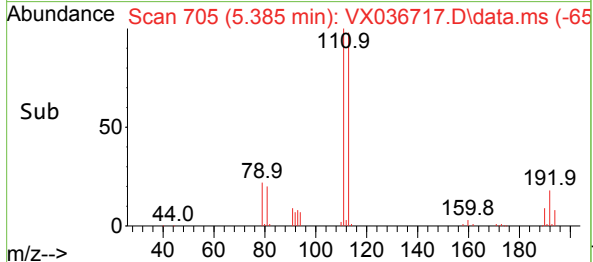
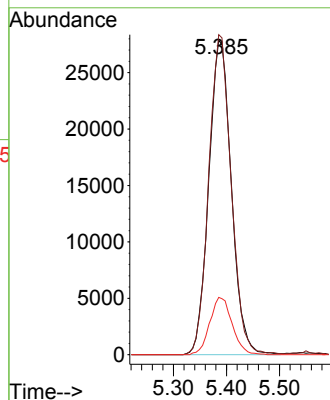
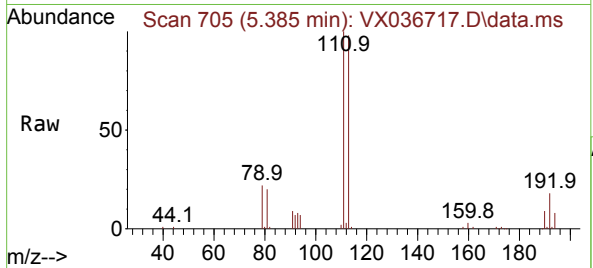




#35
Dibromofluoromethane
Concen: 47.054 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

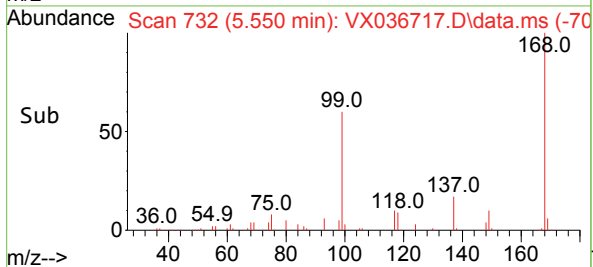
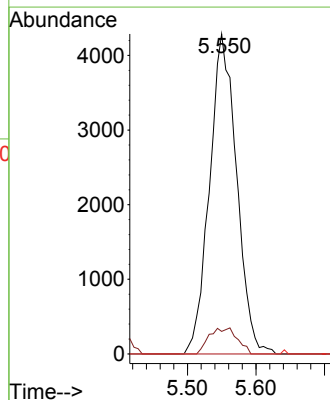
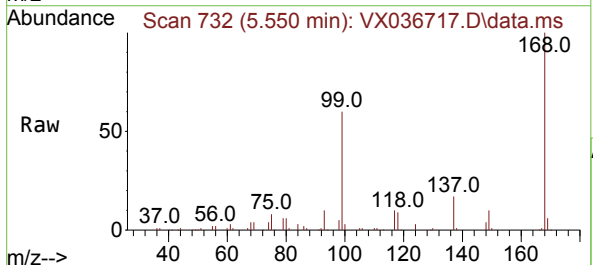
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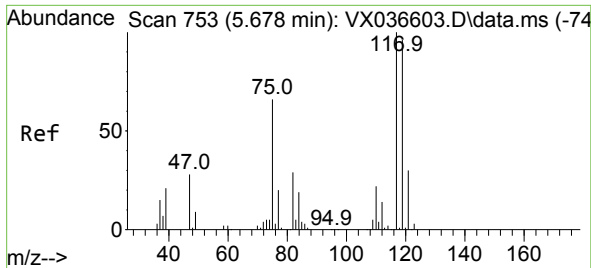
Tgt Ion:113 Resp: 82484
Ion Ratio Lower Upper
113 100
111 100.9 82.9 124.3
192 18.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.506 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

Tgt Ion: 75 Resp: 11773
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 24.7 37.1#

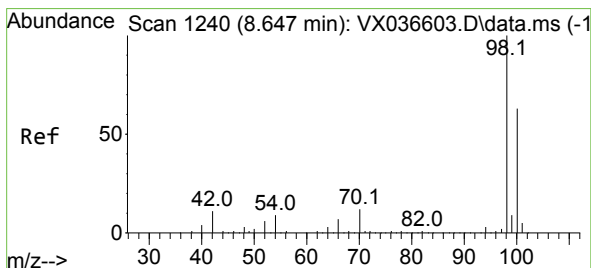
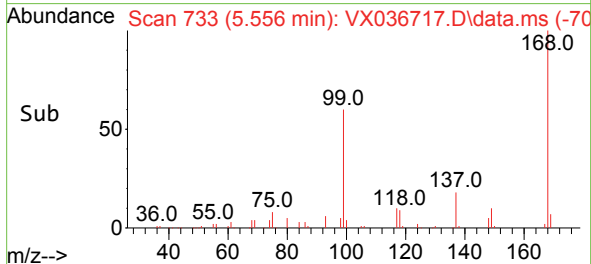
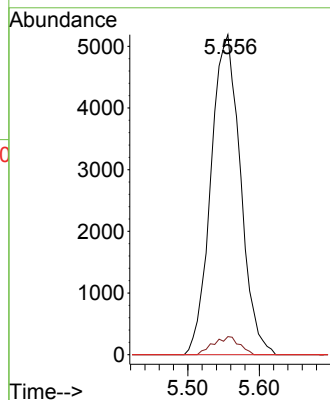
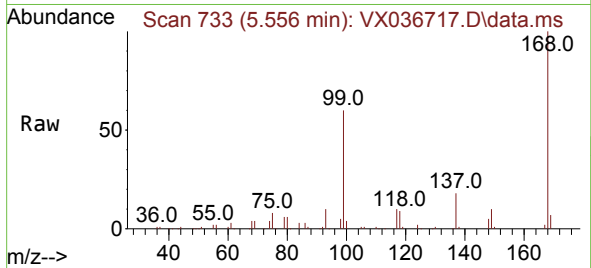




#38
Carbon Tetrachloride
Concen: 5.347 ug/l
RT: 5.556 min Scan# 710
Delta R.T. -0.122 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

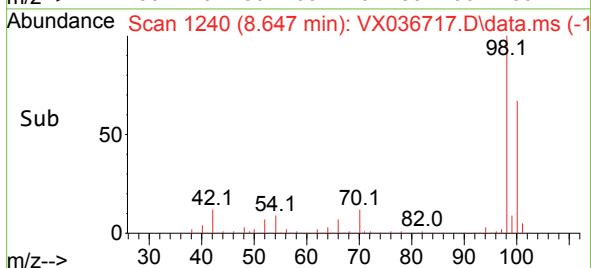
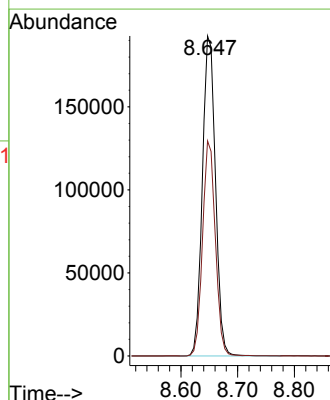
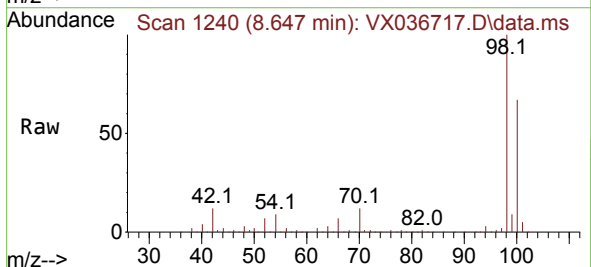
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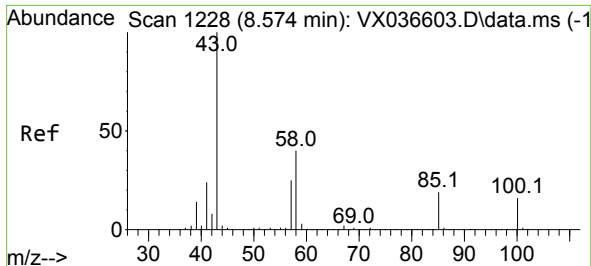
Tgt Ion:117 Resp: 14854
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.524 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

Tgt Ion: 98 Resp: 307861
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7

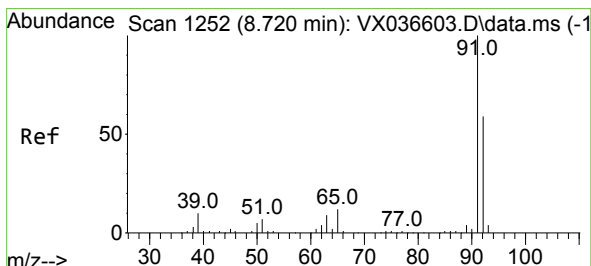
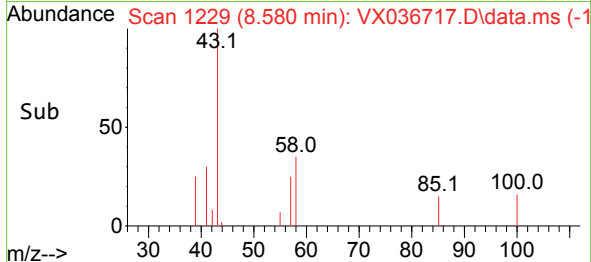
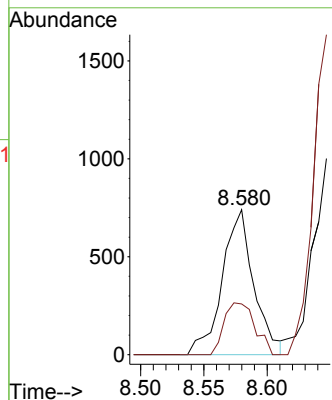
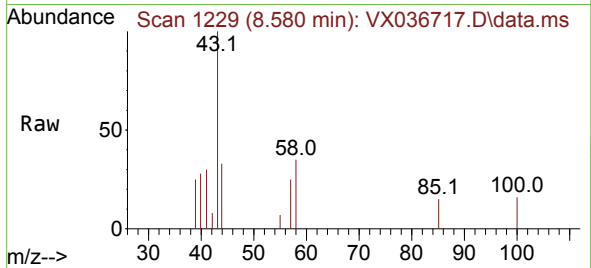




#51
4-Methyl-2-Pentanone
Concen: 0.456 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

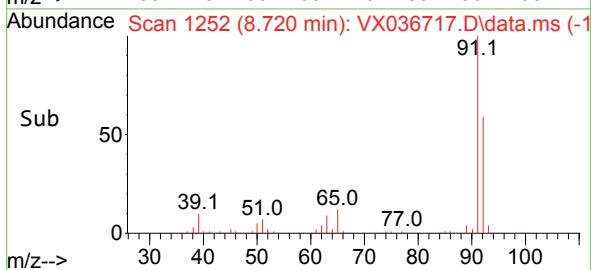
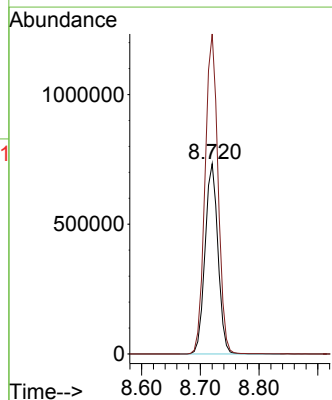
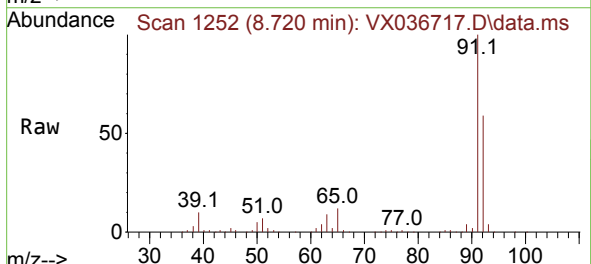
Instrument :
MSVOA_X
ClientSampleId :
1710

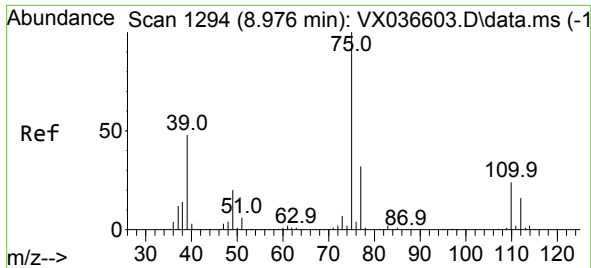
Tgt Ion: 43 Resp: 1286
Ion Ratio Lower Upper
43 100
58 34.8 30.4 45.6



#52
Toluene
Concen: 235.289 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

Tgt Ion: 92 Resp: 1120730
Ion Ratio Lower Upper
92 100
91 169.5 134.2 201.2

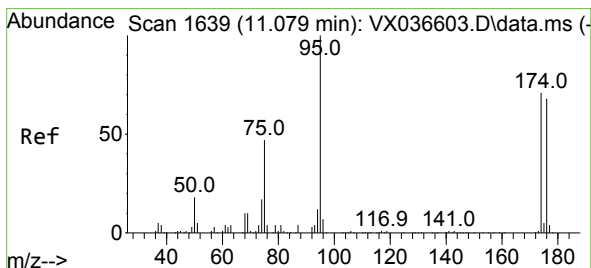
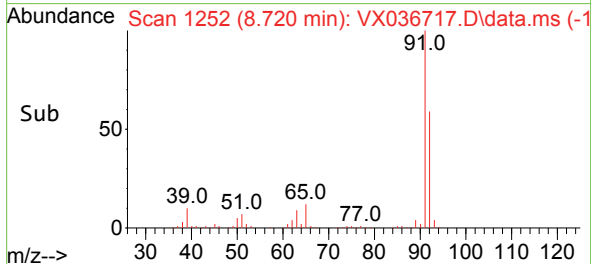
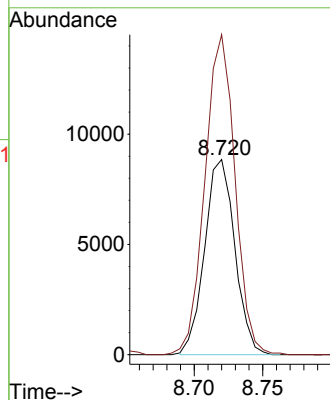
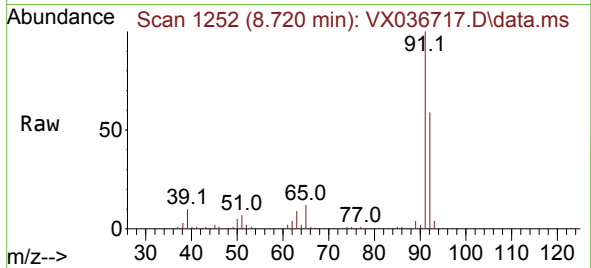




#53
t-1,3-Dichloropropene
Concen: 4.114 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.256 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

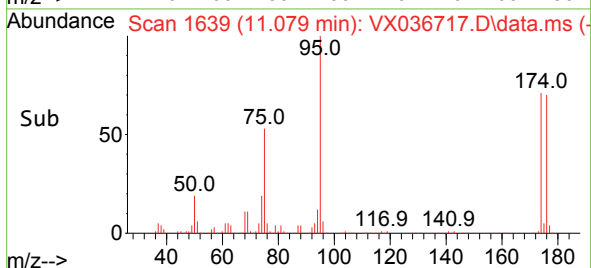
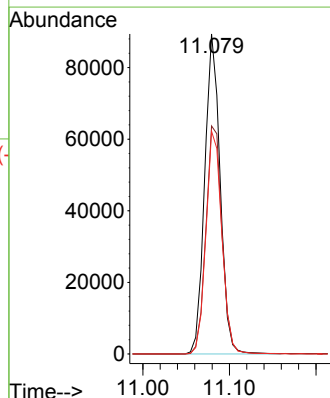
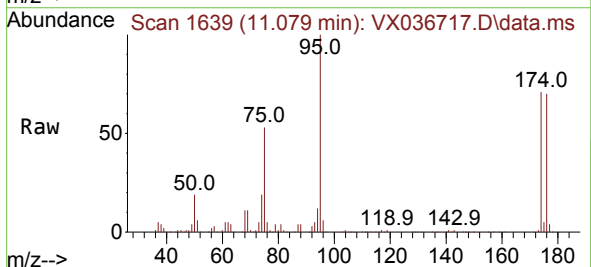
Instrument :
MSVOA_X
ClientSampleId :
1710

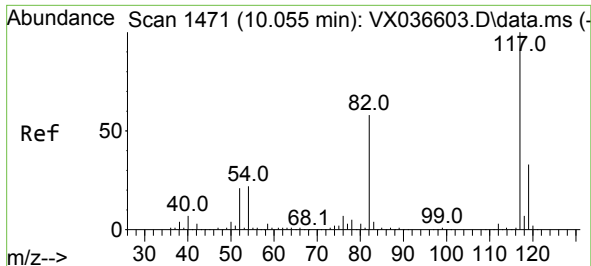
Tgt Ion: 75 Resp: 13559
Ion Ratio Lower Upper
75 100
77 163.1 25.7 38.5#



#62
4-Bromofluorobenzene
Concen: 47.154 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

Tgt Ion: 95 Resp: 110594
Ion Ratio Lower Upper
95 100
174 74.6 0.0 135.6
176 71.8 0.0 131.0

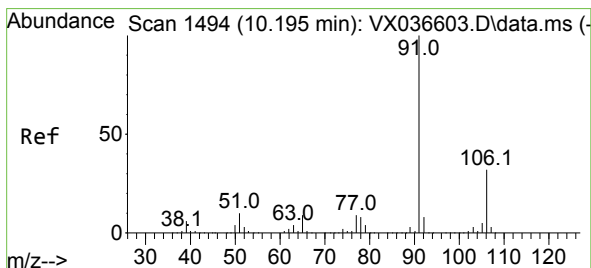
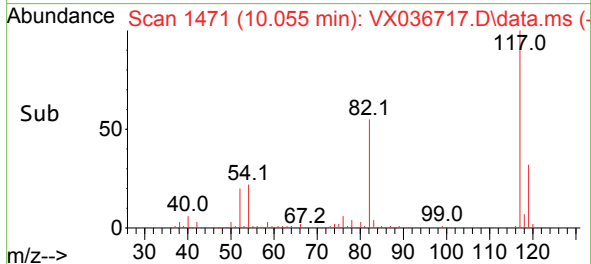
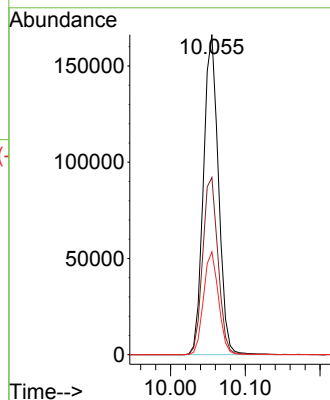
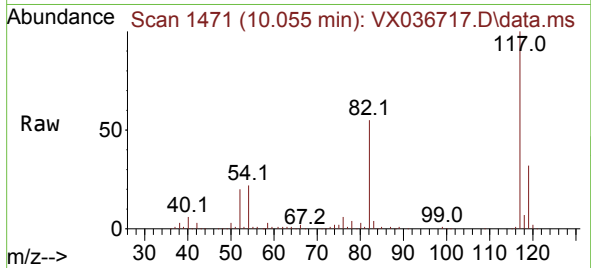




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

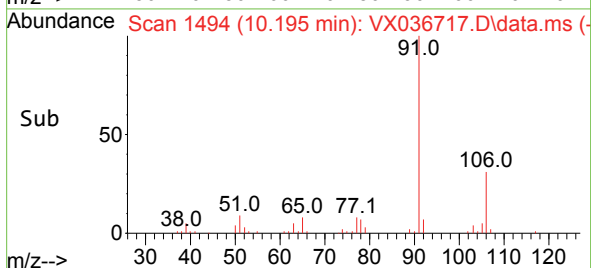
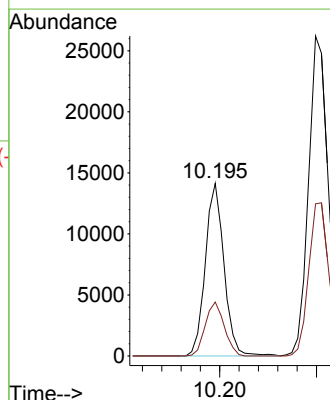
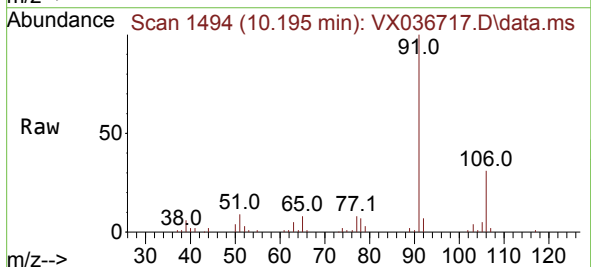
Instrument :
MSVOA_X
ClientSampleId :
1710

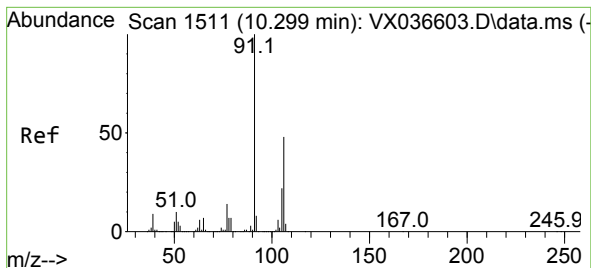
Tgt Ion:117 Resp: 231514
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.1 25.5 38.3



#67
Ethyl Benzene
Concen: 2.040 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

Tgt Ion: 91 Resp: 19017
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3

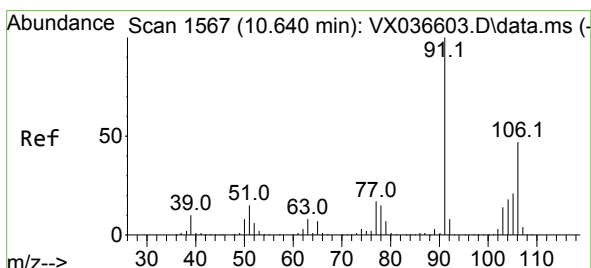
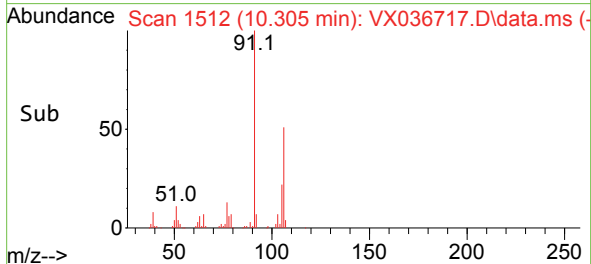
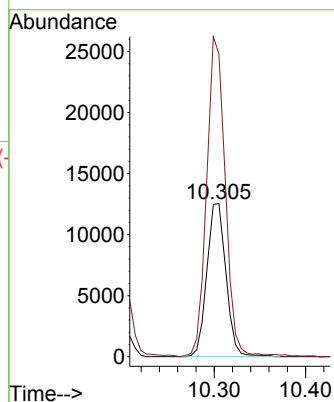
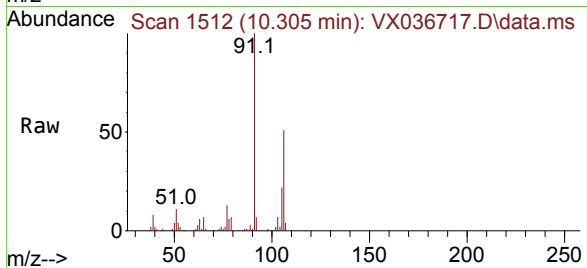




#68
m/p-Xylenes
Concen: 5.230 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

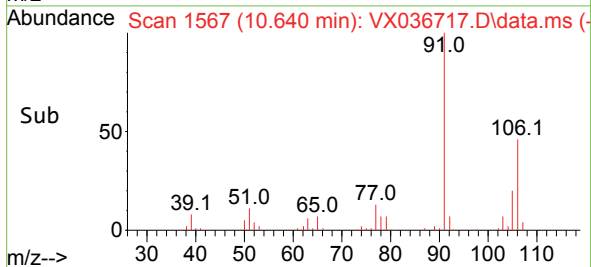
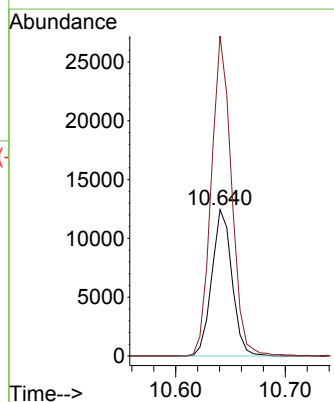
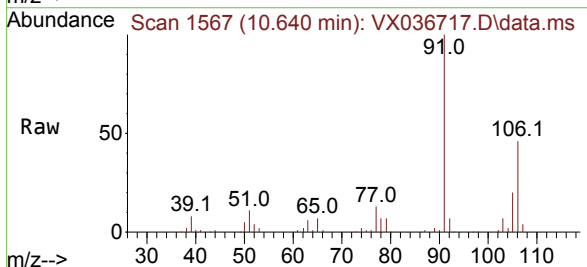
Instrument :
MSVOA_X
ClientSampleId :
1710

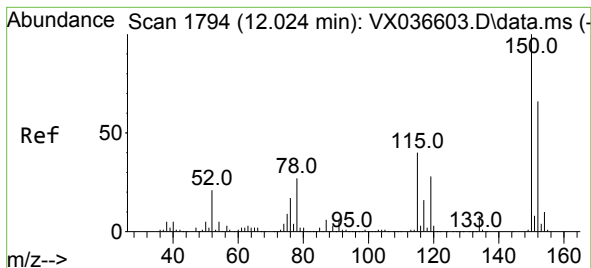
Tgt Ion:106 Resp: 18192
Ion Ratio Lower Upper
106 100
91 202.8 165.5 248.3



#69
o-Xylene
Concen: 4.580 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

Tgt Ion:106 Resp: 15901
Ion Ratio Lower Upper
106 100
91 219.6 108.9 326.8

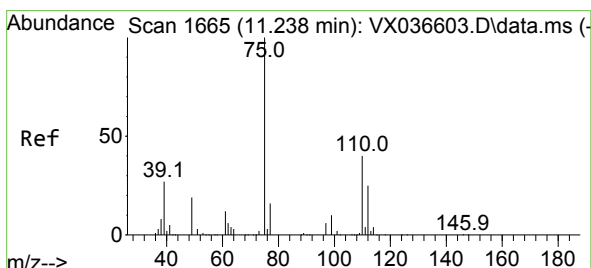
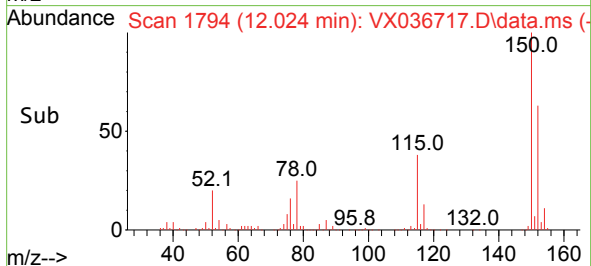
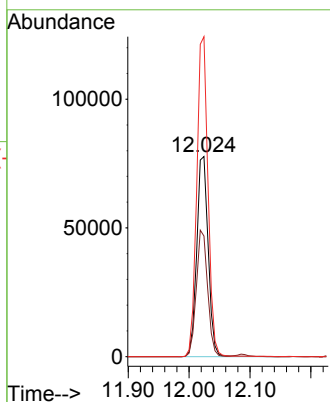
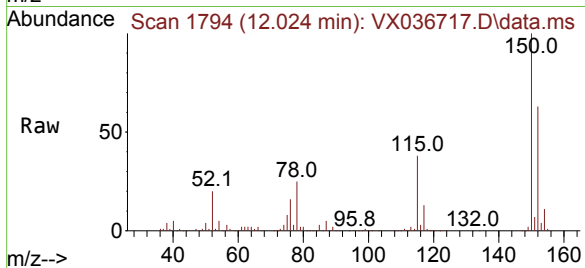




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX036717.D
 Acq: 31 Jul 2023 13:59

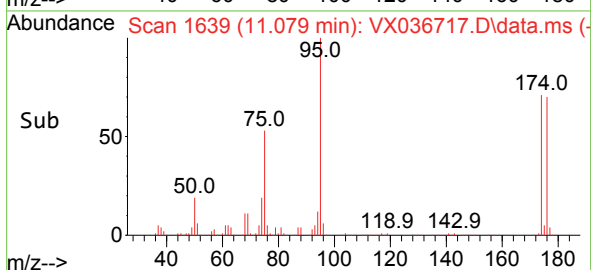
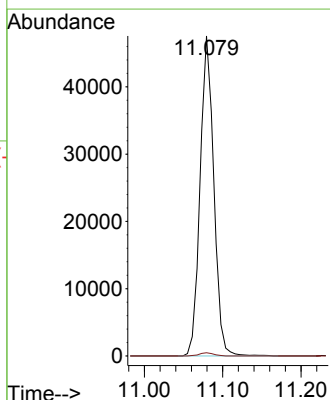
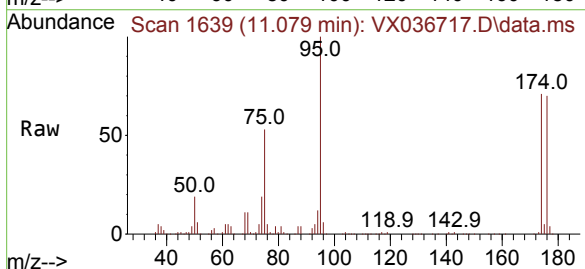
Instrument :
 MSVOA_X
 ClientSampleId :
 1710

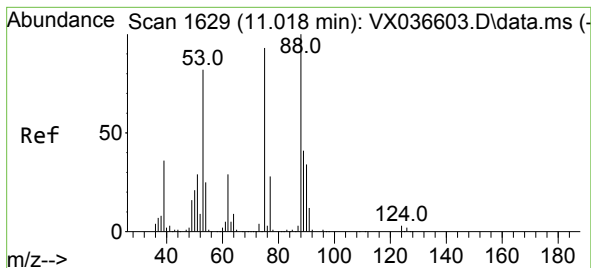
Tgt Ion:152 Resp: 101469
 Ion Ratio Lower Upper
 152 100
 115 62.2 43.3 129.9
 150 157.2 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 24.203 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX036717.D
 Acq: 31 Jul 2023 13:59

Tgt Ion: 75 Resp: 57764
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

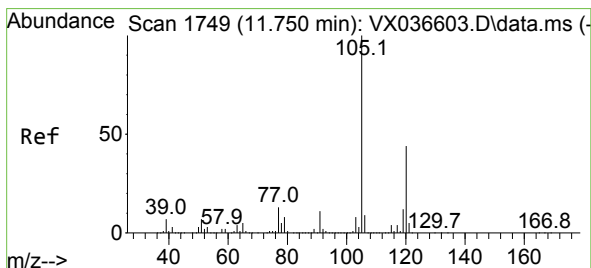
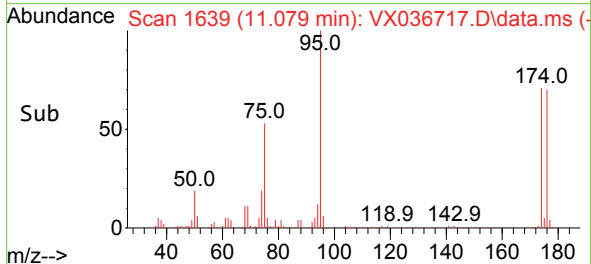
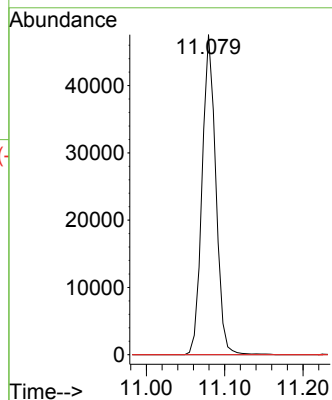
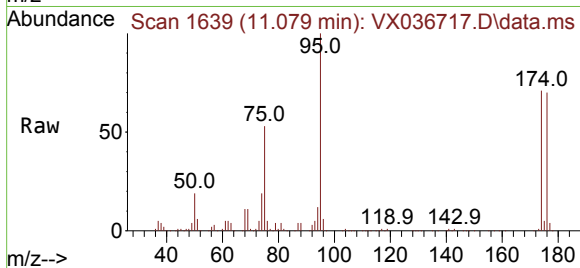




#81
trans-1,4-Dichloro-2-butene
Concen: 54.857 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

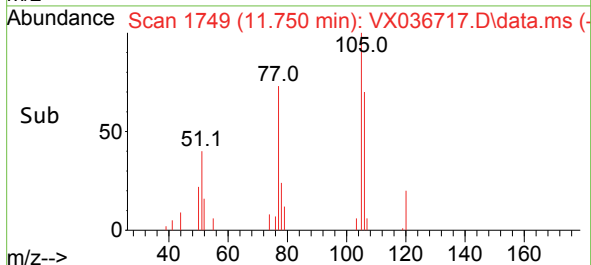
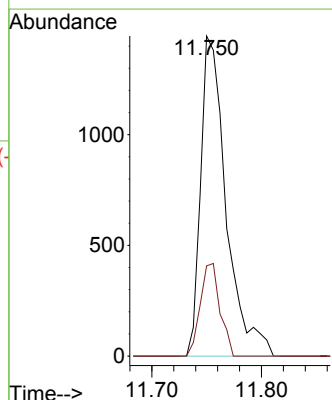
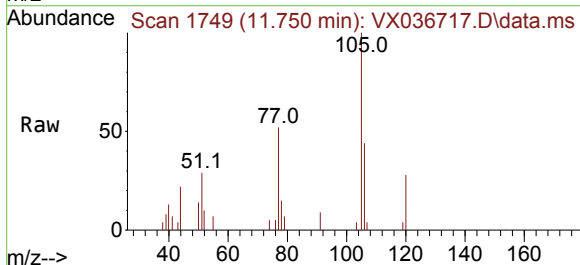
Instrument :
MSVOA_X
ClientSampleId :
1710

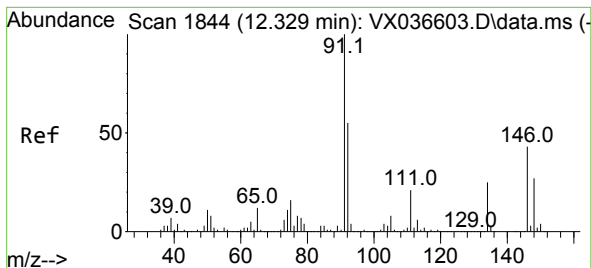
Tgt Ion: 75 Resp: 57764
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.332 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX036717.D
Acq: 31 Jul 2023 13:59

Tgt Ion: 105 Resp: 2332
Ion Ratio Lower Upper
105 100
120 22.3 21.2 63.6





#89

n-Butylbenzene

Concen: 0.283 ug/l

RT: 12.323 min Scan# 1843

Delta R.T. -0.006 min

Lab File: VX036717.D

Acq: 31 Jul 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

1710

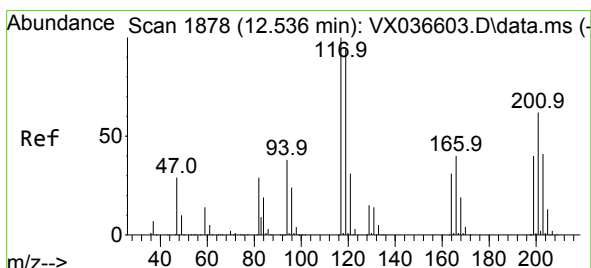
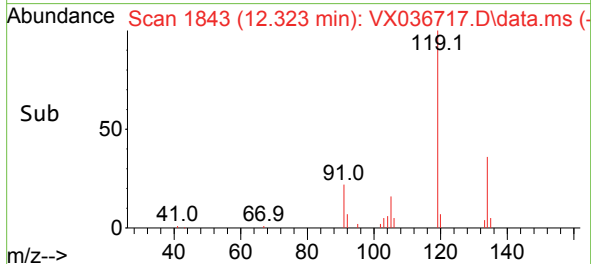
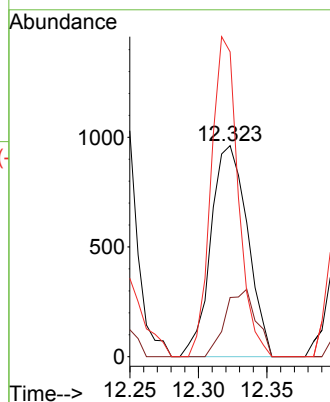
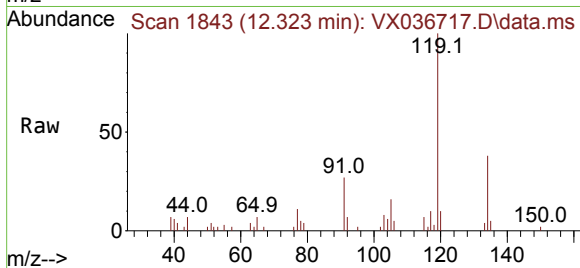
Tgt Ion: 91 Resp: 1792

Ion Ratio Lower Upper

91 100

92 26.7 27.4 82.0#

134 112.2 12.6 37.8#



#90

Hexachloroethane

Concen: 1.526 ug/l

RT: 12.616 min Scan# 1891

Delta R.T. 0.079 min

Lab File: VX036717.D

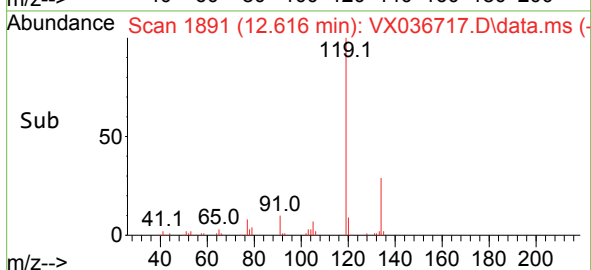
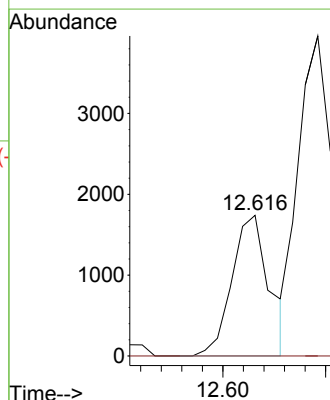
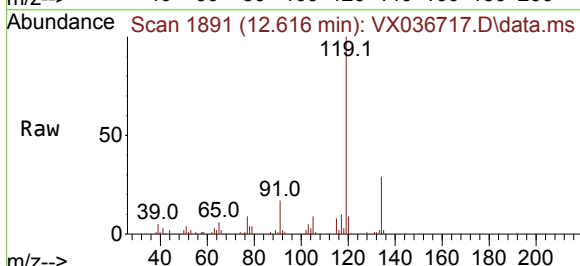
Acq: 31 Jul 2023 13:59

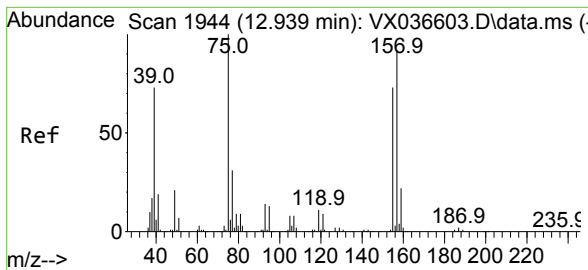
Tgt Ion: 117 Resp: 2191

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.6#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.354 ug/l
 RT: 12.920 min Scan# 1941
 Delta R.T. -0.018 min
 Lab File: VX036717.D
 Acq: 31 Jul 2023 13:59

Instrument :
 MSVOA_X
 ClientSampleId :
 1710

Tgt Ion:	75	Resp:	233
Ion	Ratio	Lower	Upper
75	100		
155	0.0	36.1	108.5#
157	0.0	44.9	134.7#

