

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072423\
 Data File : VX036638.D
 Acq On : 24 Jul 2023 18:32
 Operator : JC/MD
 Sample : 03744-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-072423

Quant Time: Jul 25 06:39:02 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)

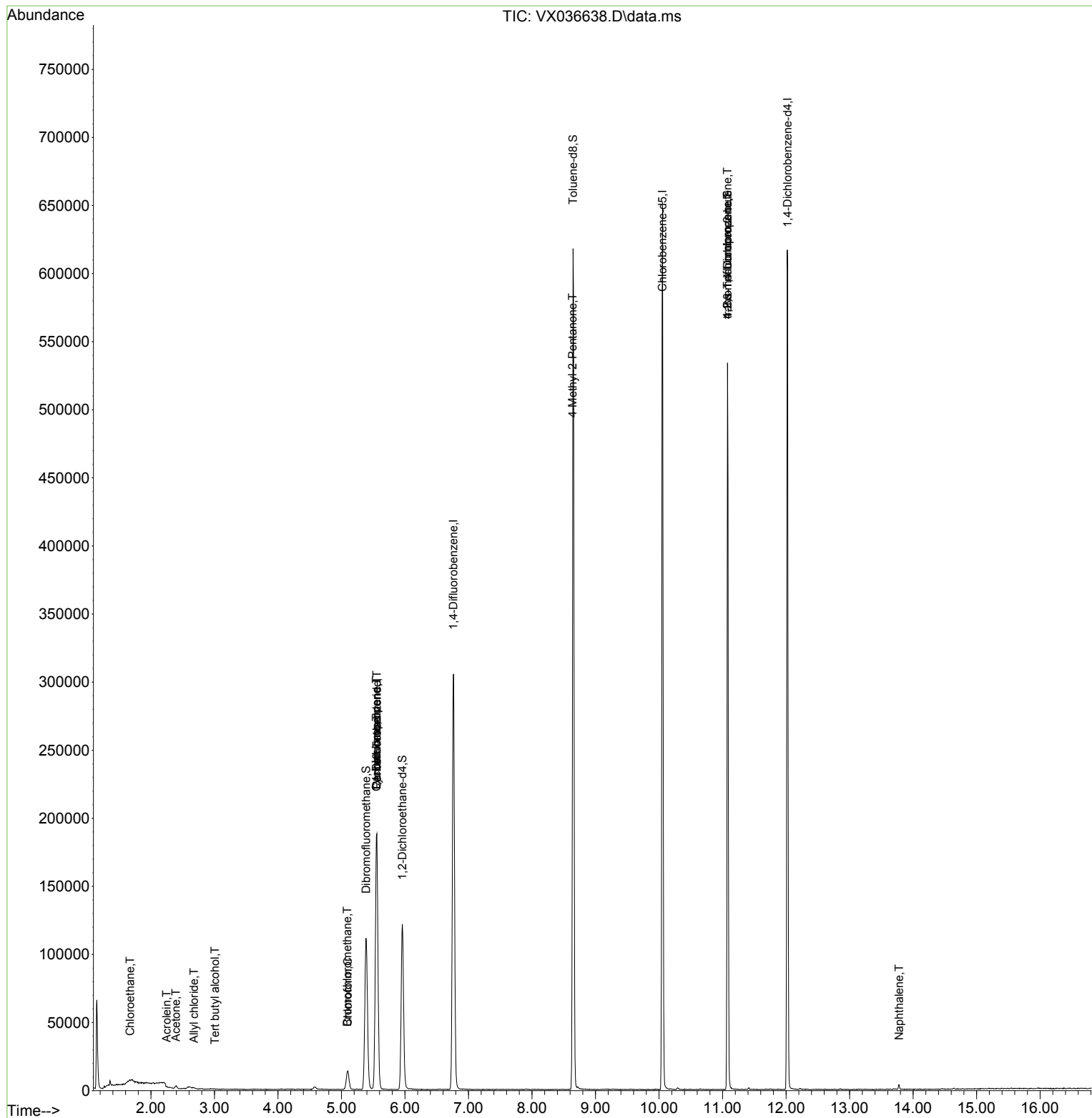
Internal Standards						
1) Pentafluorobenzene	5.556	168	171772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	309489	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	285971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	116604	45.878	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.760%
35) Dibromofluoromethane	5.385	113	98883	46.484	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.960%
50) Toluene-d8	8.647	98	370481	49.111	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.220%
62) 4-Bromofluorobenzene	11.079	95	142285	49.993	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.980%
Target Compounds						
					Qvalue	
6) Chloroethane	1.672	64	213	0.208	ug/l #	43
11) Tert butyl alcohol	3.008	59	145	0.241	ug/l #	76
13) Acrolein	2.245	56	247	0.719	ug/l #	72
14) Allyl chloride	2.678	41	1062	0.280	ug/l #	56
16) Acetone	2.392	43	2644	2.507	ug/l	90
28) Bromochloromethane	5.093	49	1378	0.707	ug/l #	16
30) Chloroform	5.099	83	16978	4.116	ug/l	99
31) Cyclohexane	5.550	56	4196	1.192	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	14620	4.611	ug/l #	50
38) Carbon Tetrachloride	5.556	117	18920	5.613	ug/l #	15
51) 4-Methyl-2-Pentanone	8.641	43	1944	0.569	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	74209	24.669	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	74209	55.913	ug/l #	5
95) Naphthalene	13.780	128	2601	0.281	ug/l	97

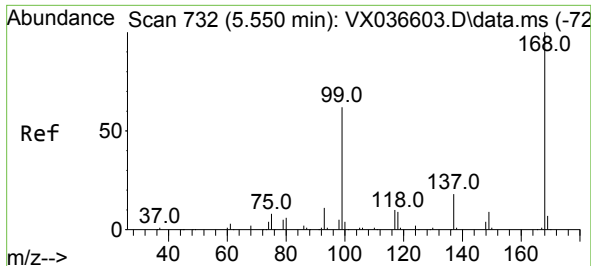
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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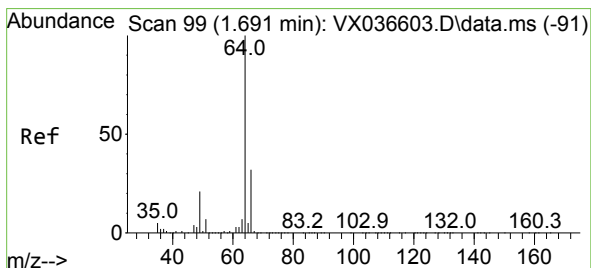
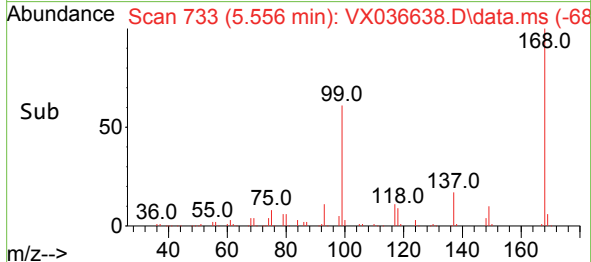
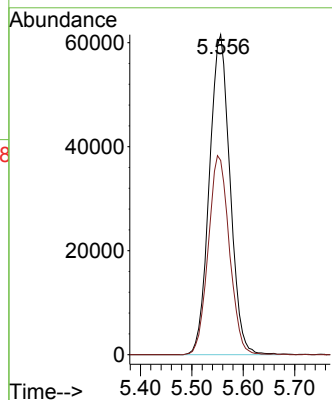
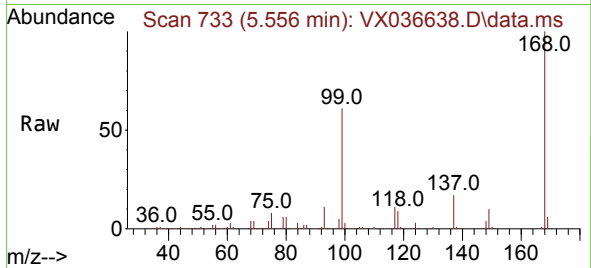




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036638.D
Acq: 24 Jul 2023 18:32

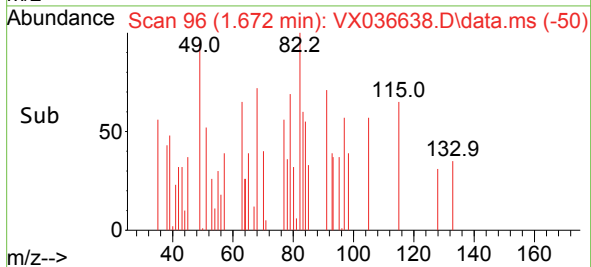
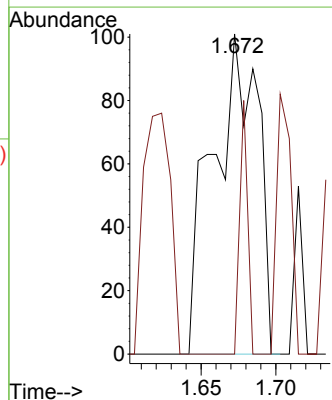
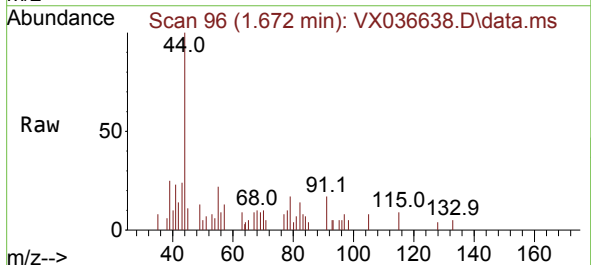
Instrument :
MSVOA_X
ClientSampleId :
TB-01-072423

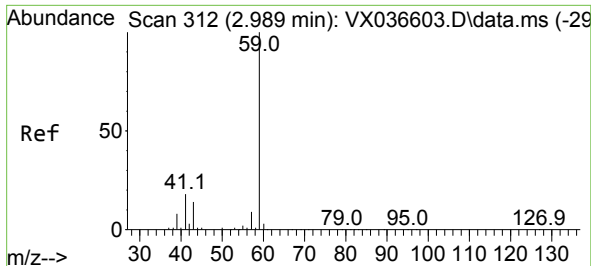
Tgt Ion:168 Resp: 171772
Ion Ratio Lower Upper
168 100
99 60.7 56.6 85.0



#6
Chloroethane
Concen: 0.208 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.018 min
Lab File: VX036638.D
Acq: 24 Jul 2023 18:32

Tgt Ion: 64 Resp: 213
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

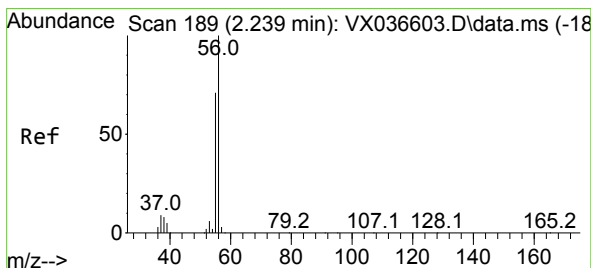
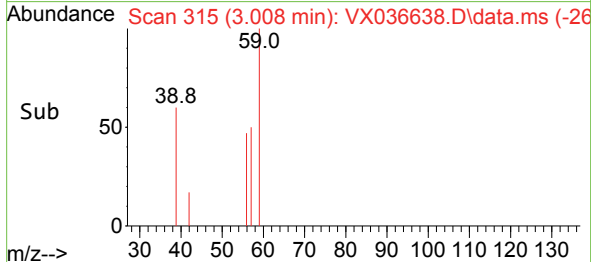
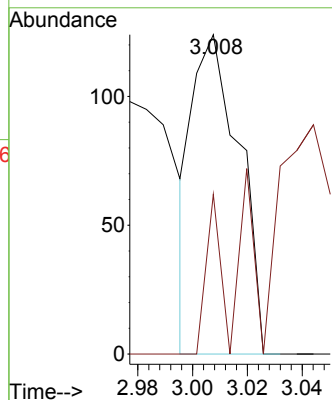
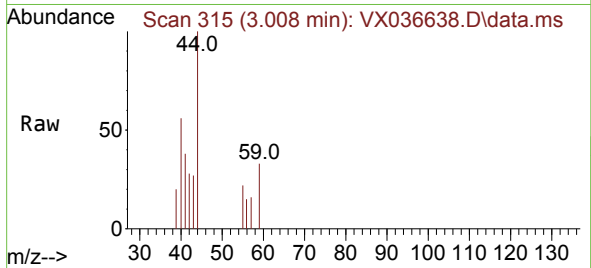




#11
Tert butyl alcohol
Concen: 0.241 ug/l
RT: 3.008 min Scan# 312
Delta R.T. 0.018 min
Lab File: VX036638.D
Acq: 24 Jul 2023 18:32

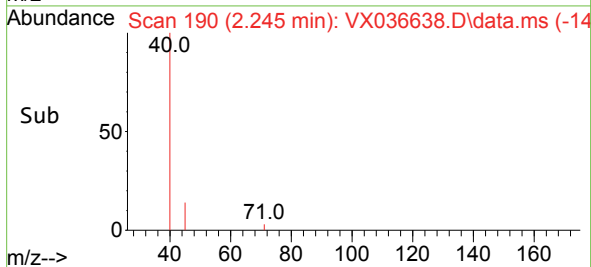
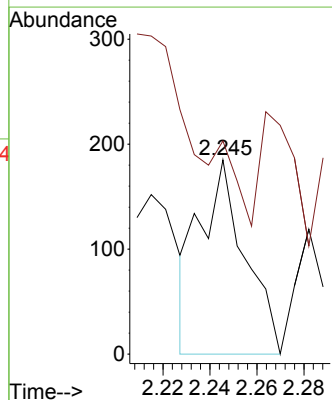
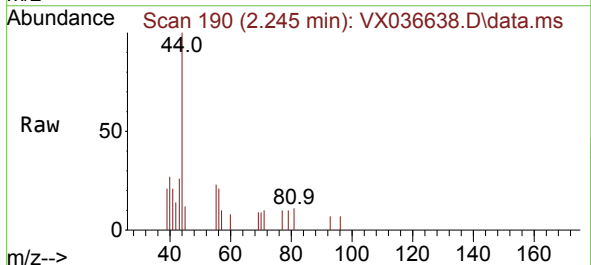
Instrument :
MSVOA_X
ClientSampleId :
TB-01-072423

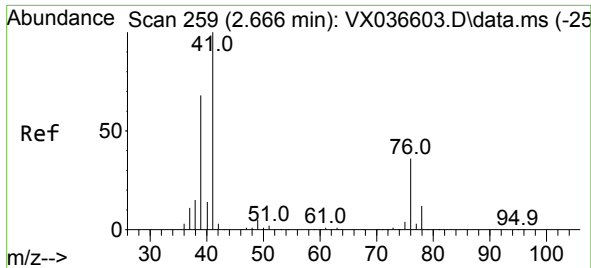
Tgt Ion: 59 Resp: 145
Ion Ratio Lower Upper
59 100
57 15.9 6.0 9.0#



#13
Acrolein
Concen: 0.719 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX036638.D
Acq: 24 Jul 2023 18:32

Tgt Ion: 56 Resp: 247
Ion Ratio Lower Upper
56 100
55 48.6 57.1 85.7#

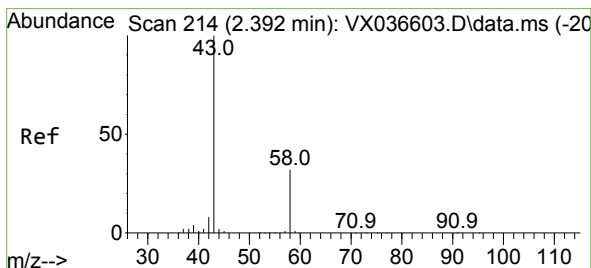
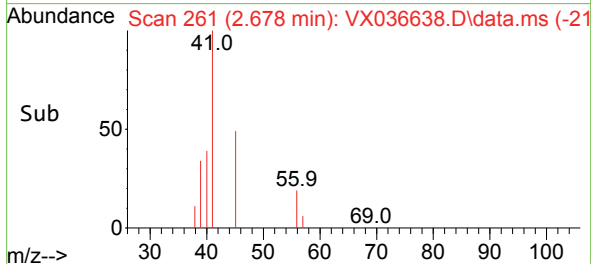
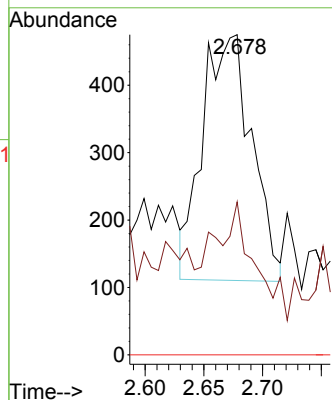
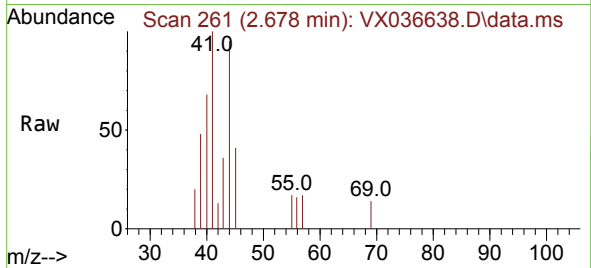




#14
 Allyl chloride
 Concen: 0.280 ug/l
 RT: 2.678 min Scan# 210
 Delta R.T. 0.012 min
 Lab File: VX036638.D
 Acq: 24 Jul 2023 18:32

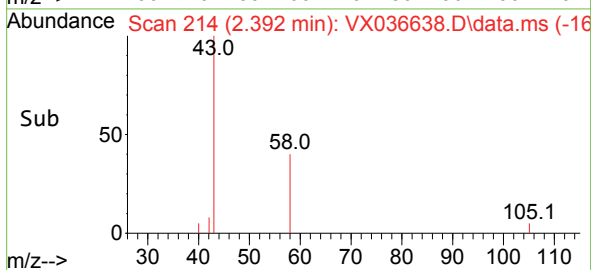
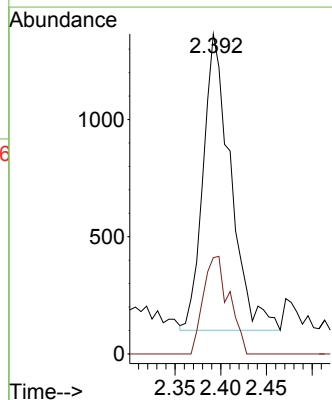
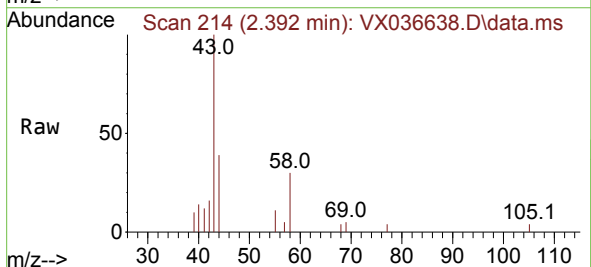
Instrument :
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 ClientSampleId :
 TB-01-072423

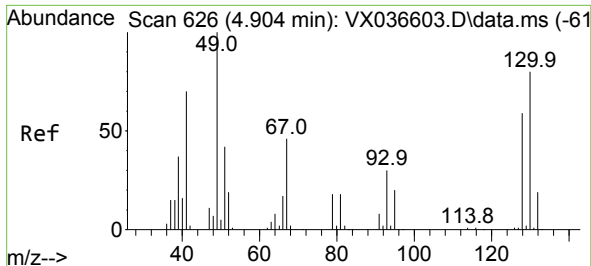
Tgt Ion: 41 Resp: 1062
 Ion Ratio Lower Upper
 41 100
 39 37.5 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 2.507 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. 0.000 min
 Lab File: VX036638.D
 Acq: 24 Jul 2023 18:32

Tgt Ion: 43 Resp: 2644
 Ion Ratio Lower Upper
 43 100
 58 32.5 21.9 32.9

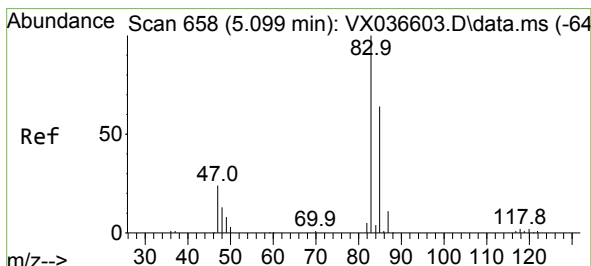
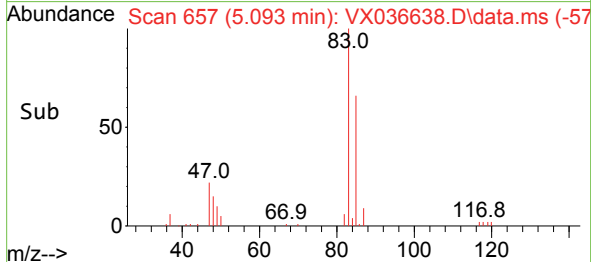
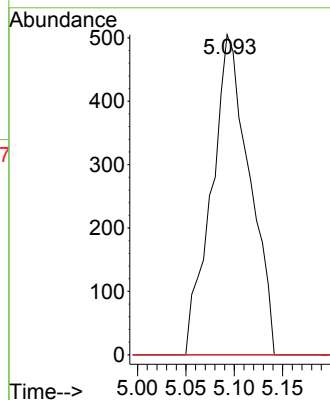
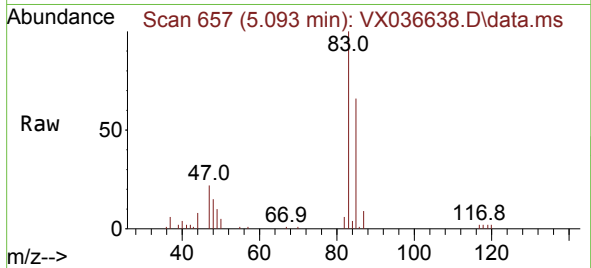




#28
Bromochloromethane
Concen: 0.707 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.189 min
Lab File: VX036638.D
Acq: 24 Jul 2023 18:32

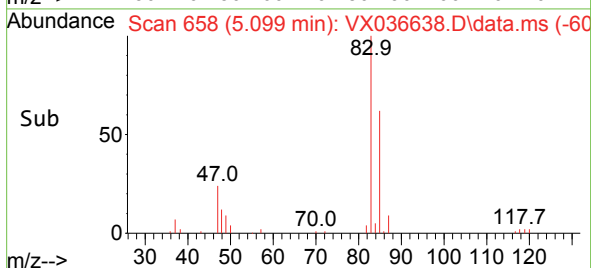
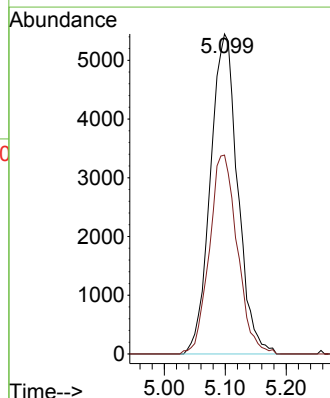
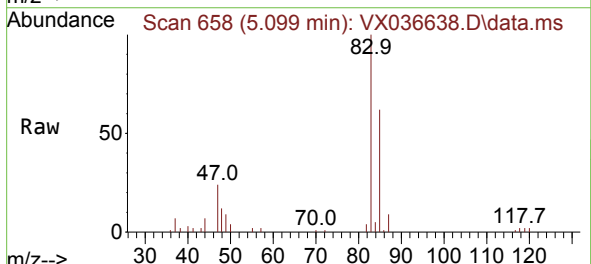
Instrument :
MSVOA_X
ClientSampleId :
TB-01-072423

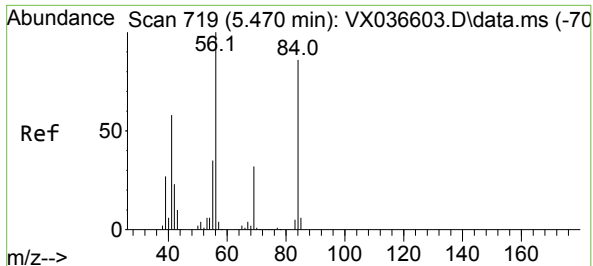
Tgt Ion: 49 Resp: 1378
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#



#30
Chloroform
Concen: 4.116 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.000 min
Lab File: VX036638.D
Acq: 24 Jul 2023 18:32

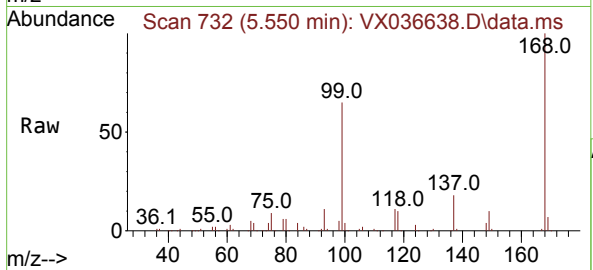
Tgt Ion: 83 Resp: 16978
Ion Ratio Lower Upper
83 100
85 62.1 50.3 75.5



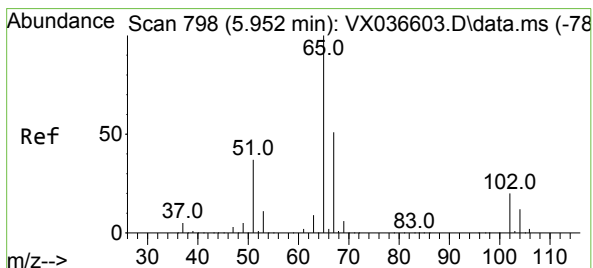
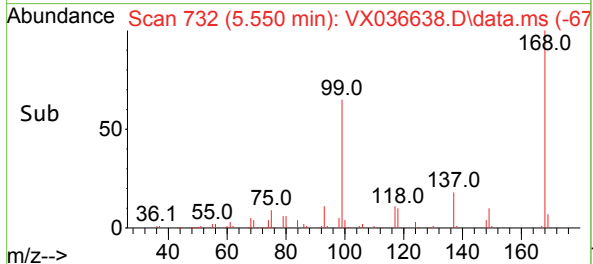
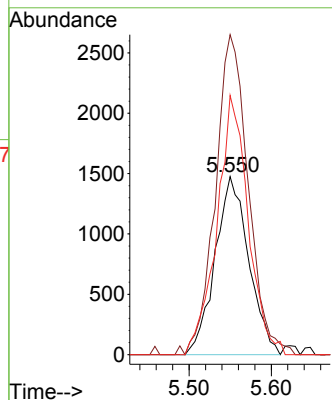


#31
Cyclohexane
Concen: 1.192 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036638.D
Acq: 24 Jul 2023 18:32

Instrument :
MSVOA_X
ClientSampleId :
TB-01-072423

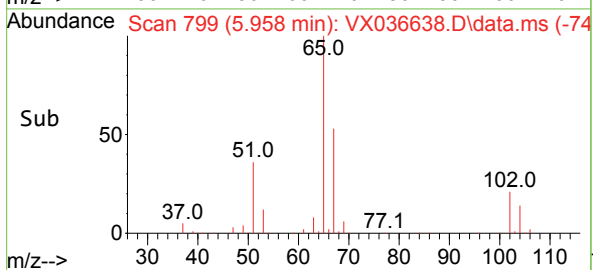
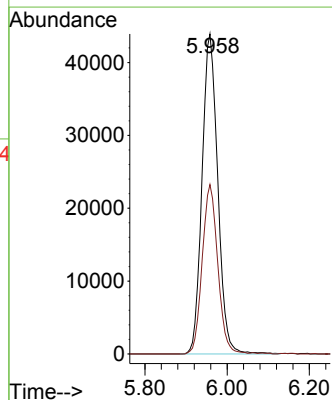
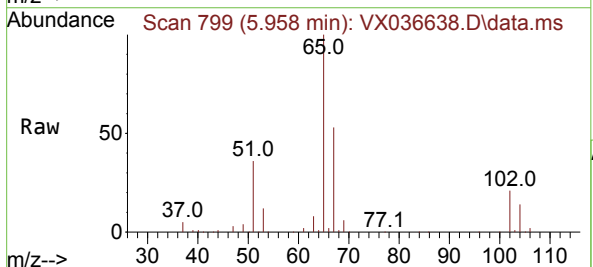


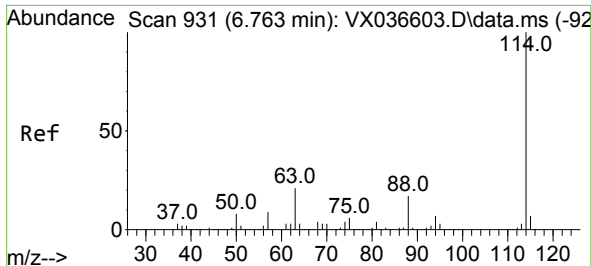
Tgt Ion: 56 Resp: 4196
Ion Ratio Lower Upper
56 100
69 174.8 23.4 35.2#
84 145.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.878 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036638.D
Acq: 24 Jul 2023 18:32

Tgt Ion: 65 Resp: 116604
Ion Ratio Lower Upper
65 100
67 52.3 0.0 100.2

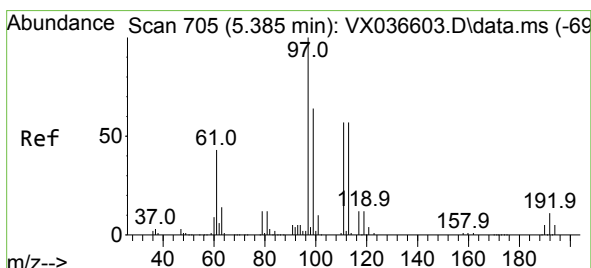
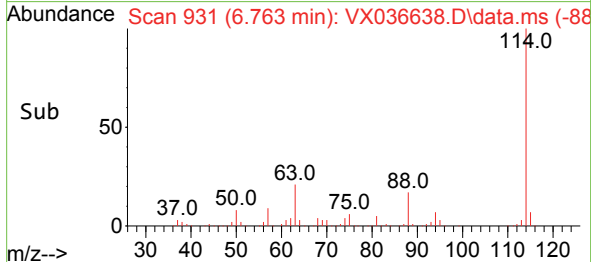
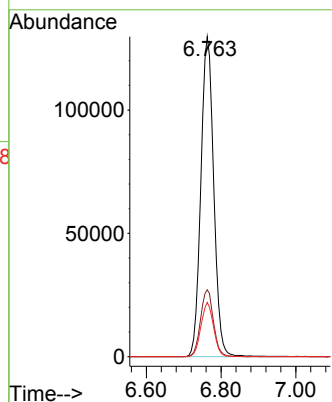
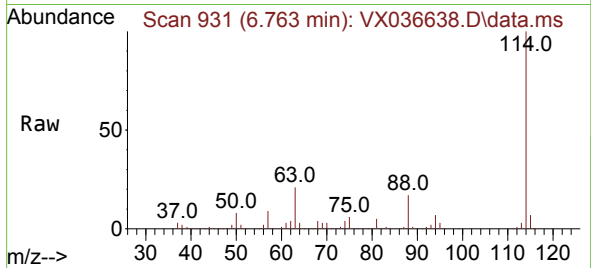




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX036638.D
Acq: 24 Jul 2023 18:32

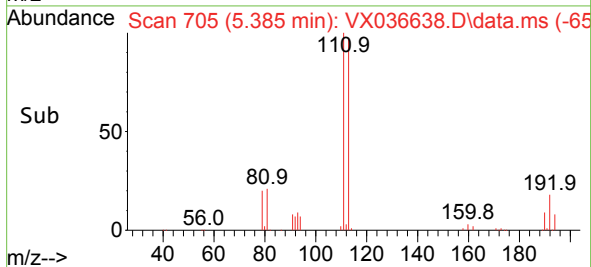
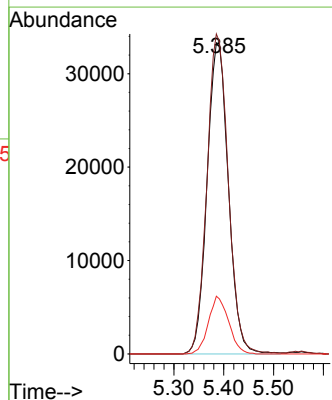
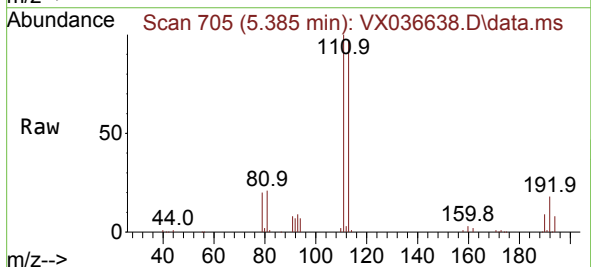
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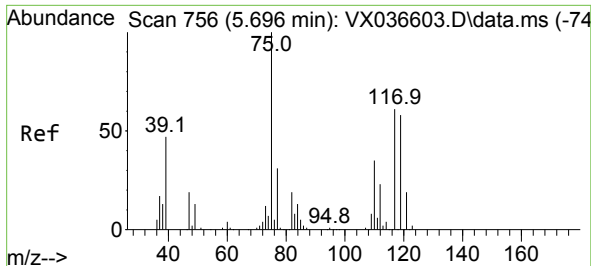
Tgt Ion:114 Resp: 309489
Ion Ratio Lower Upper
114 100
63 20.9 0.0 45.0
88 16.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.484 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036638.D
Acq: 24 Jul 2023 18:32

Tgt Ion:113 Resp: 98883
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 17.6 13.3 19.9

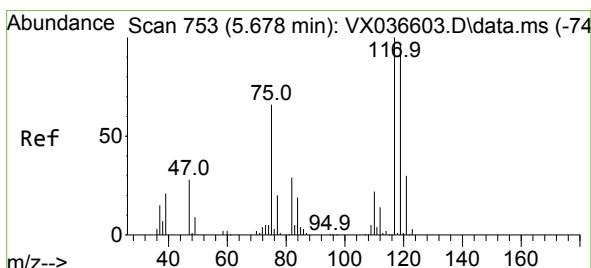
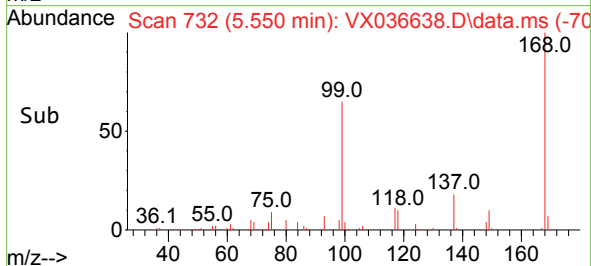
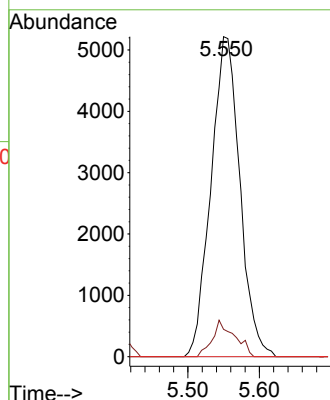
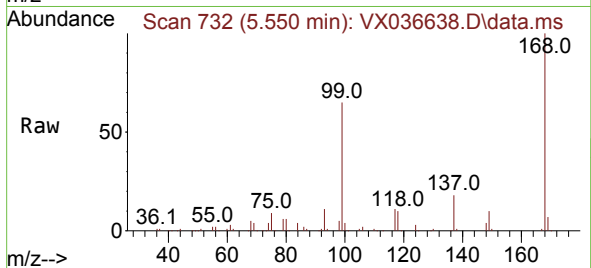




#36
1,1-Dichloropropene
Concen: 4.611 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036638.D
Acq: 24 Jul 2023 18:32

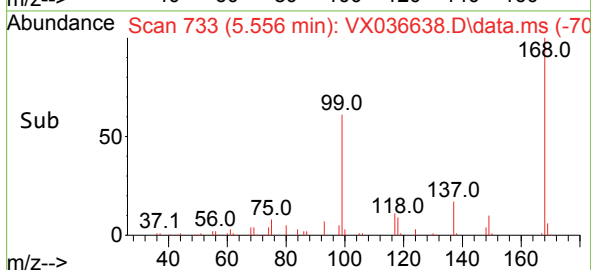
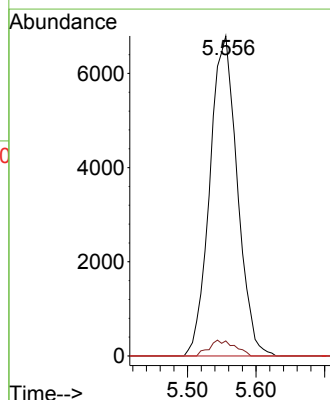
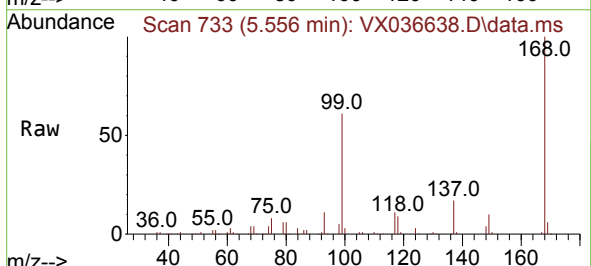
Instrument :
MSVOA_X
ClientSampleId :
TB-01-072423

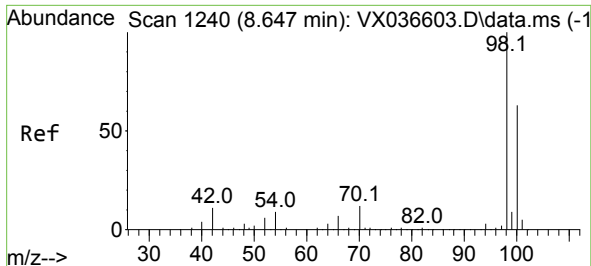
Tgt Ion: 75 Resp: 14620
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.613 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX036638.D
Acq: 24 Jul 2023 18:32

Tgt Ion: 117 Resp: 18920
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#

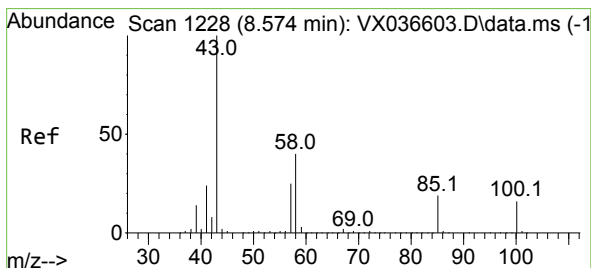
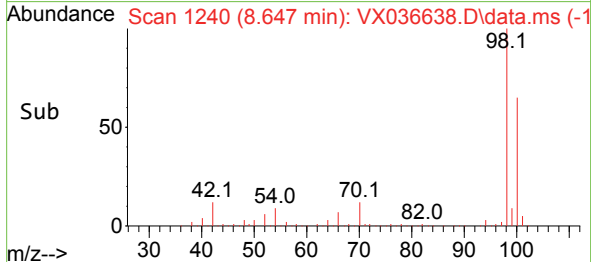
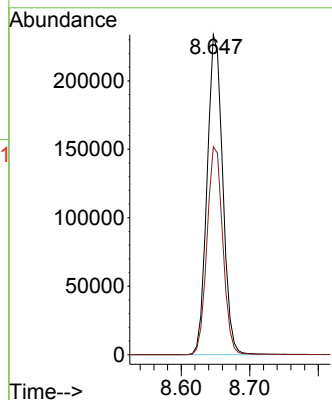
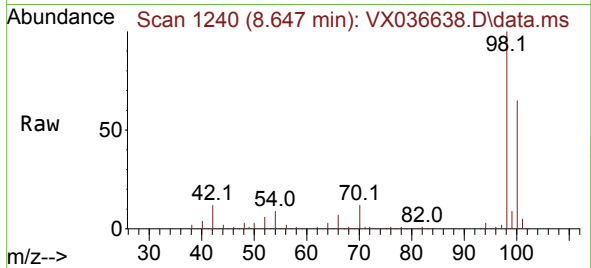




#50
Toluene-d8
Concen: 49.111 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036638.D
Acq: 24 Jul 2023 18:32

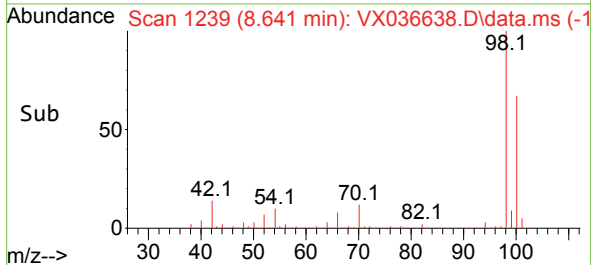
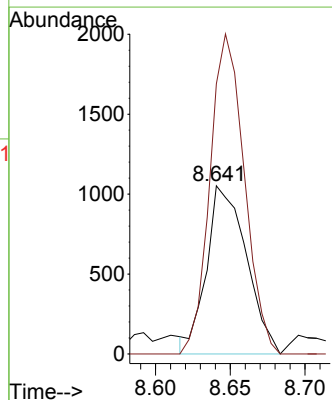
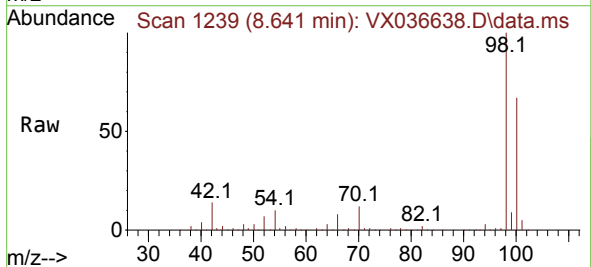
Instrument :
MSVOA_X
ClientSampleId :
TB-01-072423

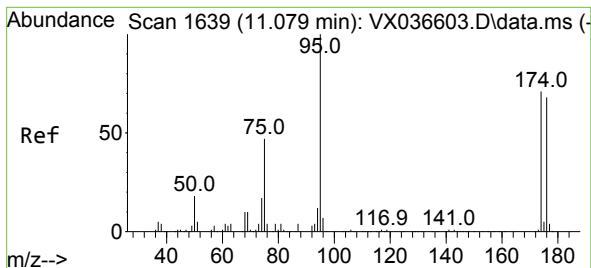
Tgt Ion: 98 Resp: 370481
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.569 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX036638.D
Acq: 24 Jul 2023 18:32

Tgt Ion: 43 Resp: 1944
Ion Ratio Lower Upper
43 100
58 164.8 30.4 45.6#

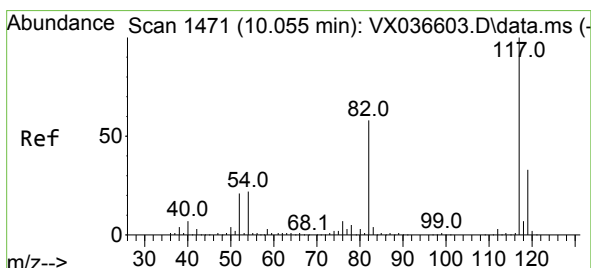
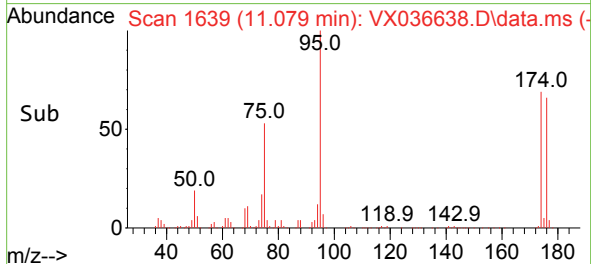
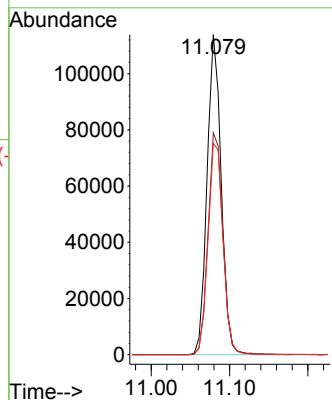
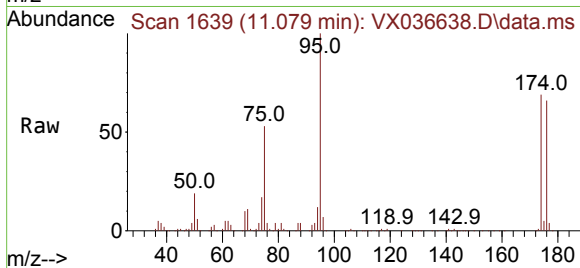




#62
4-Bromofluorobenzene
Concen: 49.993 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036638.D
Acq: 24 Jul 2023 18:32

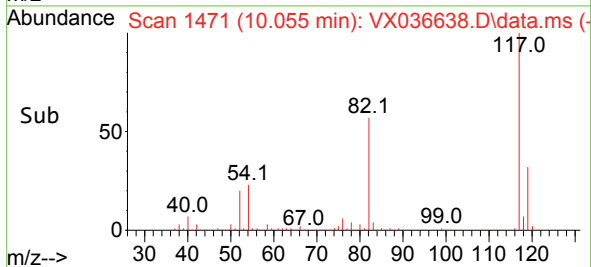
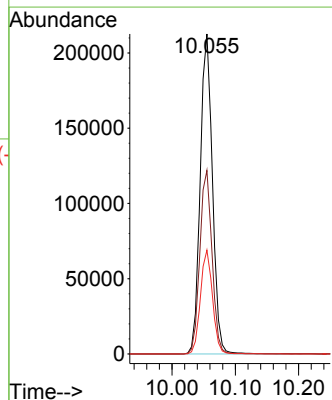
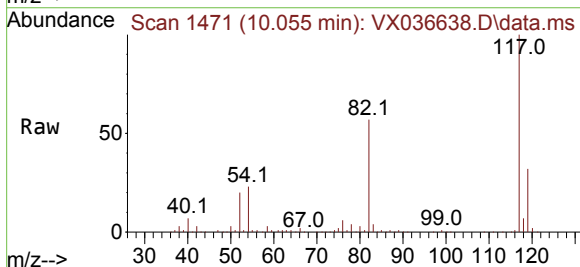
Instrument :
MSVOA_X
ClientSampleId :
TB-01-072423

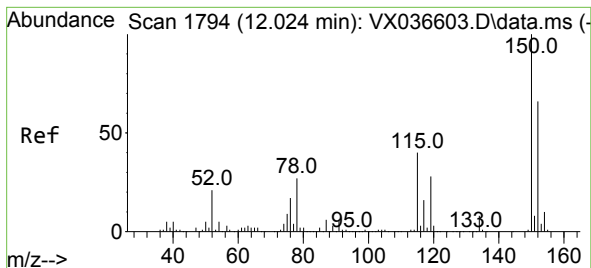
Tgt Ion: 95 Resp: 142285
Ion Ratio Lower Upper
95 100
174 72.6 0.0 135.6
176 69.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036638.D
Acq: 24 Jul 2023 18:32

Tgt Ion: 117 Resp: 285971
Ion Ratio Lower Upper
117 100
82 57.3 46.2 69.4
119 32.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036638.D

Acq: 24 Jul 2023 18:32

Instrument :

MSVOA_X

ClientSampleId :

TB-01-072423

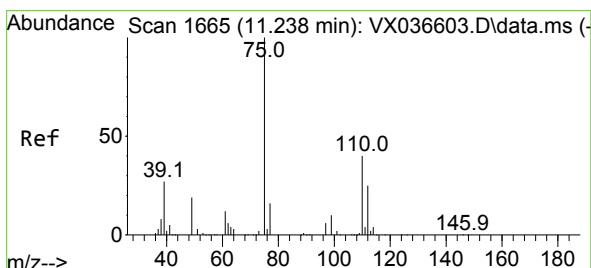
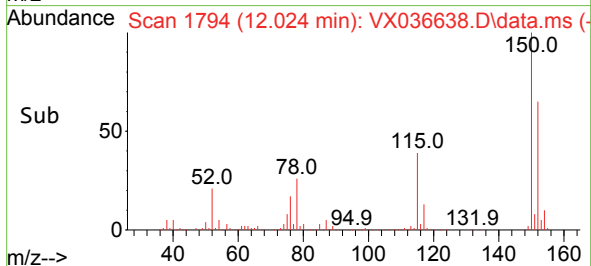
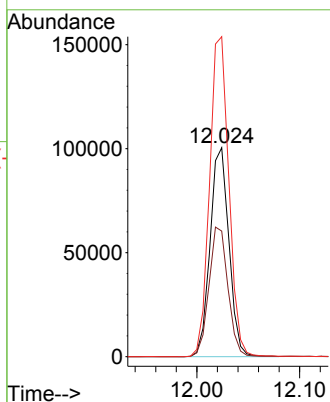
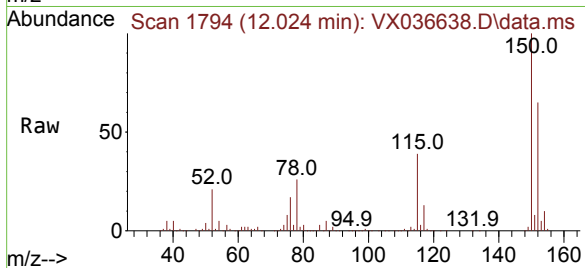
Tgt Ion:152 Resp: 127895

Ion Ratio Lower Upper

152 100

115 62.6 43.3 129.9

150 156.9 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.669 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX036638.D

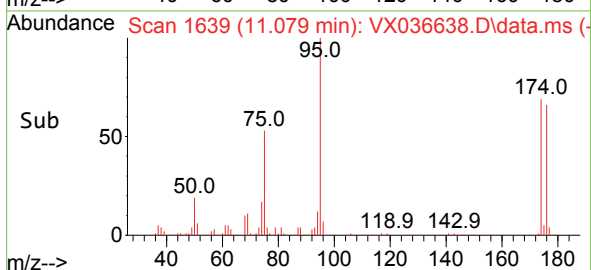
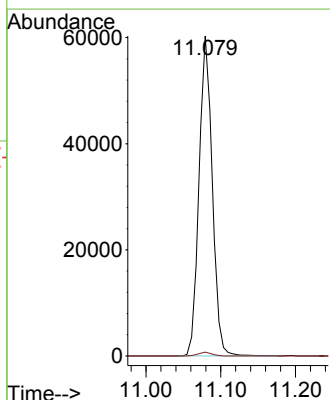
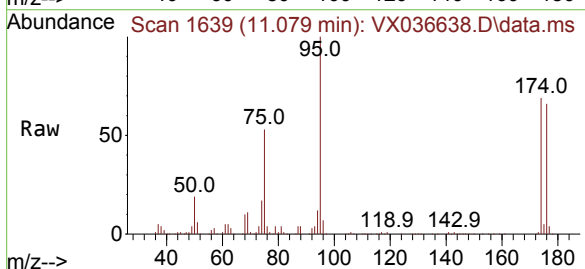
Acq: 24 Jul 2023 18:32

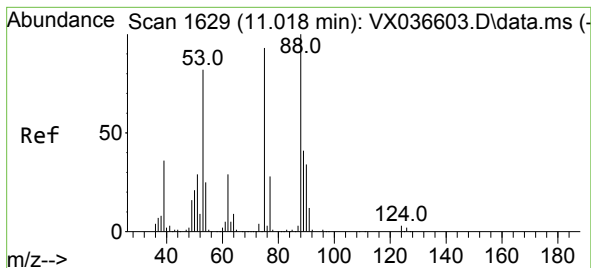
Tgt Ion: 75 Resp: 74209

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

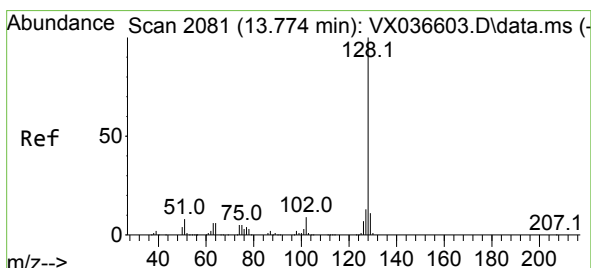
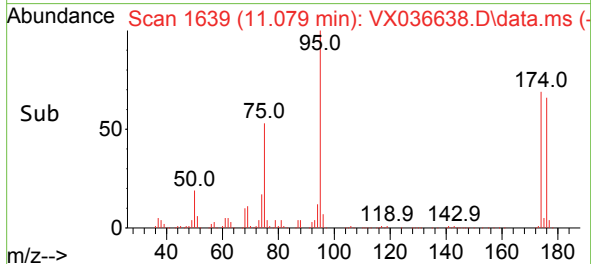
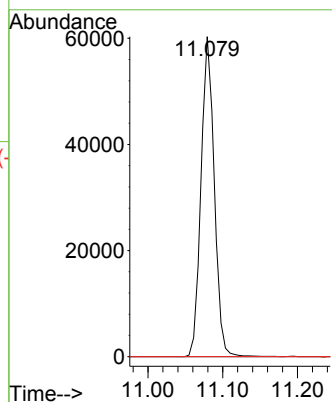
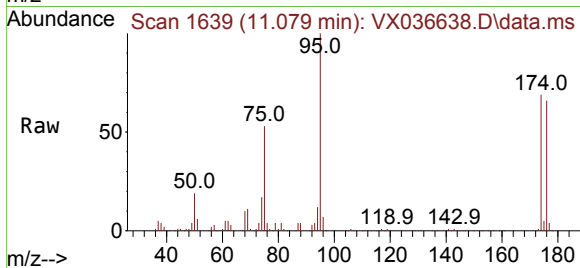




#81
trans-1,4-Dichloro-2-butene
Concen: 55.913 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036638.D
Acq: 24 Jul 2023 18:32

Instrument :
MSVOA_X
ClientSampleId :
TB-01-072423

Tgt Ion: 75 Resp: 74209
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.281 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX036638.D
Acq: 24 Jul 2023 18:32

Tgt Ion: 128 Resp: 2601
Ion Ratio Lower Upper
128 100
127 14.3 10.3 15.5
129 9.8 8.8 13.2

