

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080423\
 Data File : VX036810.D
 Acq On : 04 Aug 2023 15:07
 Operator : JC/MD
 Sample : ZHC#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ZHC#08

Quant Time: Aug 05 00:12:09 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

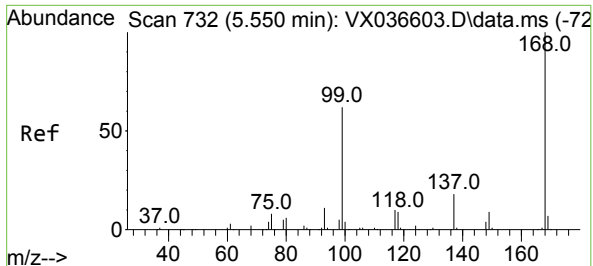
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	137822	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	250261	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98054	48.083	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.160%		
35) Dibromofluoromethane	5.385	113	81526	47.395	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.780%		
50) Toluene-d8	8.647	98	303310	49.723	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.440%		
62) 4-Bromofluorobenzene	11.079	95	114820	49.890	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.780%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.940	59	5392	11.168	ug/l #	81
13) Acrolein	2.221	56	102	0.370	ug/l #	1
16) Acetone	2.379	43	41582	49.138	ug/l	91
18) Methyl Acetate	2.709	43	2402	0.675	ug/l #	90
20) Methylene Chloride	2.794	84	7382	3.922	ug/l #	87
25) 2-Butanone	4.568	43	18542	13.505	ug/l	98
29) Tetrahydrofuran	5.031	42	733	0.828	ug/l #	68
31) Cyclohexane	5.550	56	3198	1.133	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11331	4.419	ug/l #	51
37) Ethyl Acetate	4.721	43	6286	2.166	ug/l #	93
38) Carbon Tetrachloride	5.550	117	14722	5.401	ug/l #	16
41) Methacrylonitrile	5.019	41	472	0.304	ug/l #	33
43) Isopropyl Acetate	6.342	43	135487	27.123	ug/l	96
48) Methyl methacrylate	7.799	41	108426	46.673	ug/l #	48
49) 1,4-Dioxane	7.799	88	220	4.688	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	155733	56.336	ug/l #	37
53) t-1,3-Dichloropropene	8.951	75	848	0.262	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	50777	14.881	ug/l #	55
57) 1,3-Dichloropropane	9.482	76	6290	1.922	ug/l #	42
59) 2-Hexanone	9.378	43	120013	58.497	ug/l #	26
74) N-amyl acetate	10.640	43	29622	7.126	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	60272	23.791	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	60272	53.923	ug/l #	5

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

Quant Time: Aug 05 00:12:09 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

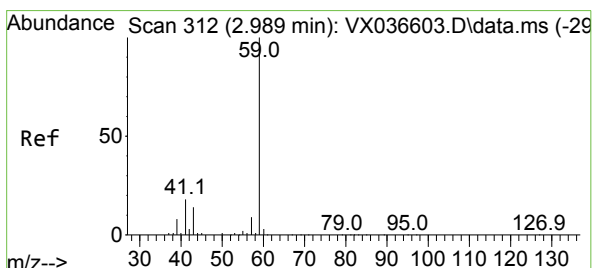
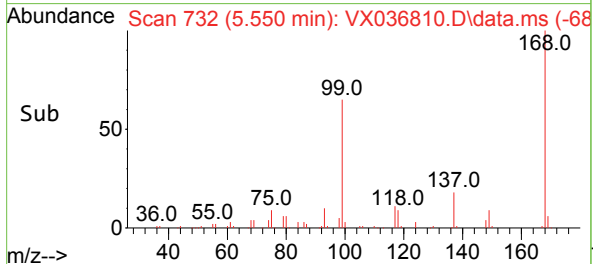
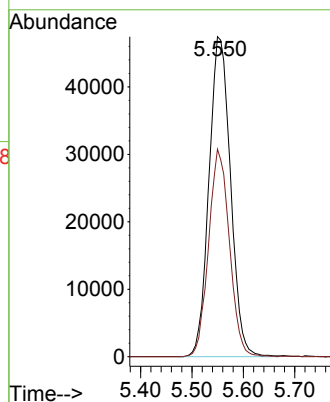
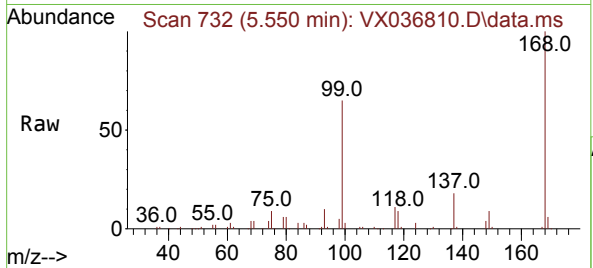




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

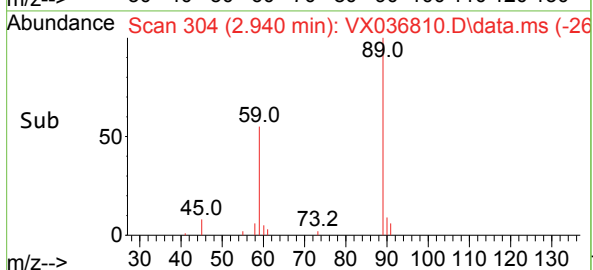
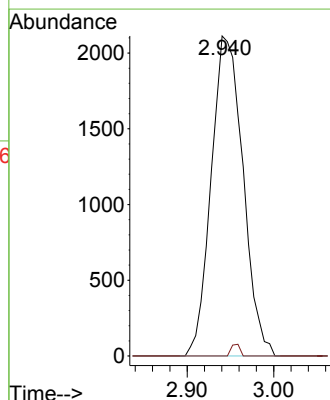
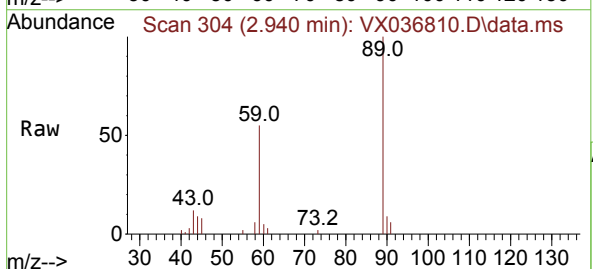
Instrument :
MSVOA_X
ClientSampleId :
ZHC#08

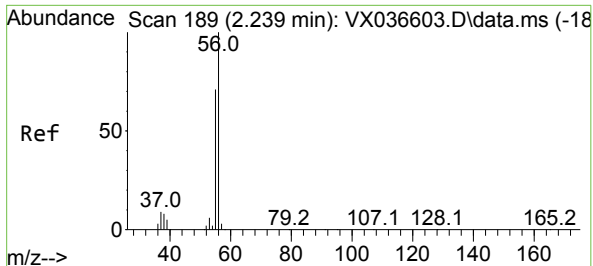
Tgt Ion:168 Resp: 137822
Ion Ratio Lower Upper
168 100
99 64.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 11.168 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.049 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

Tgt Ion: 59 Resp: 5392
Ion Ratio Lower Upper
59 100
57 1.0 6.0 9.0#

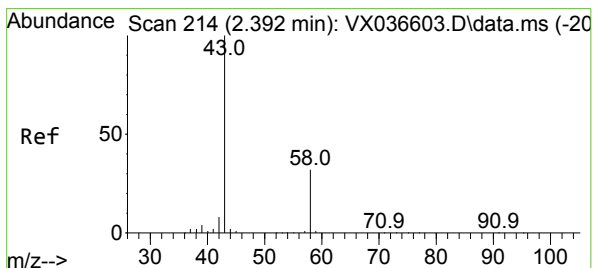
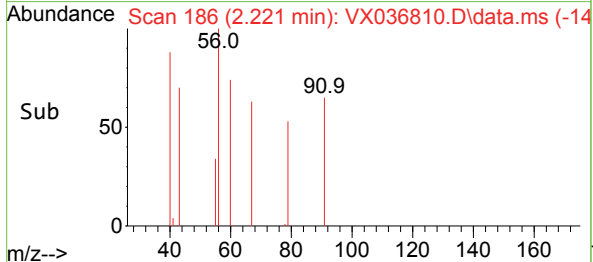
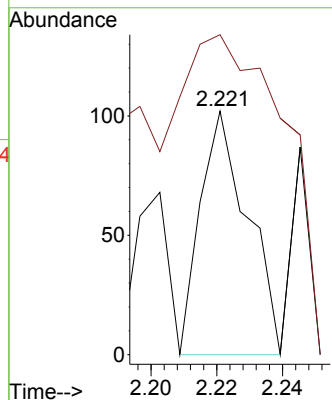
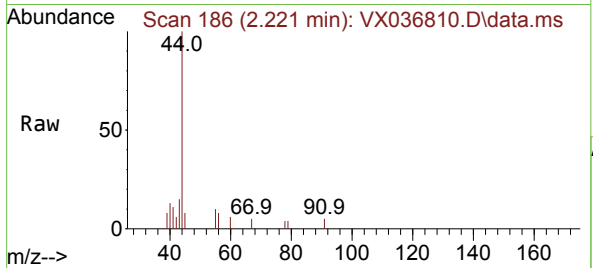




#13
Acrolein
Concen: 0.370 ug/l
RT: 2.221 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

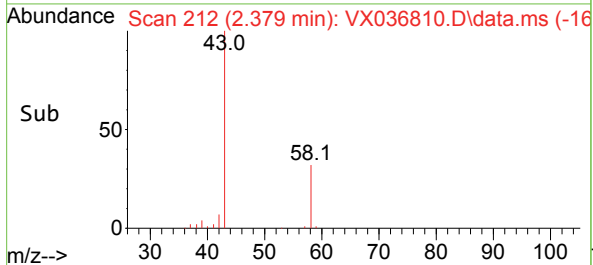
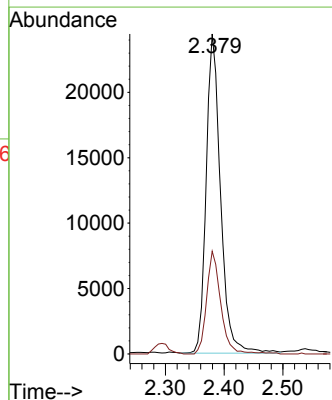
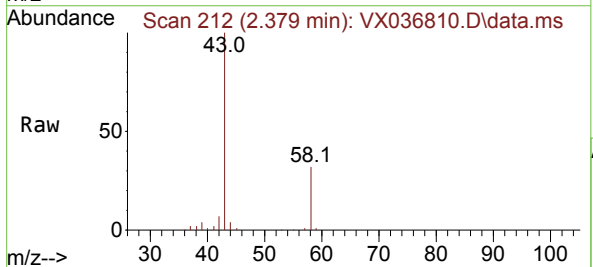
Instrument :
MSVOA_X
ClientSampleId :
ZHC#08

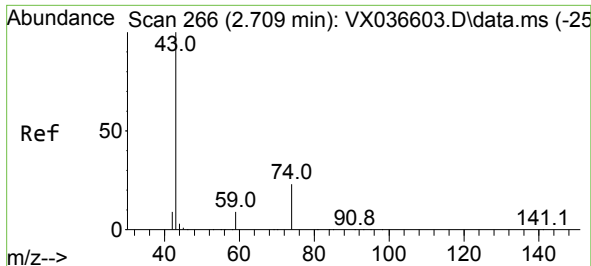
Tgt Ion: 56 Resp: 102
Ion Ratio Lower Upper
56 100
55 287.3 57.1 85.7#



#16
Acetone
Concen: 49.138 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

Tgt Ion: 43 Resp: 41582
Ion Ratio Lower Upper
43 100
58 32.2 21.9 32.9

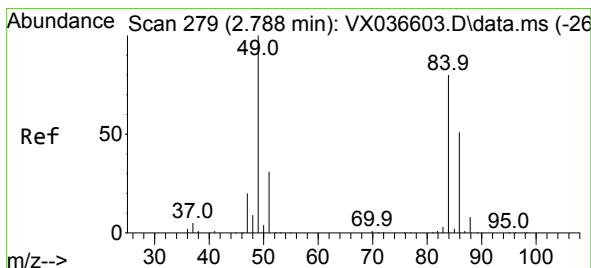
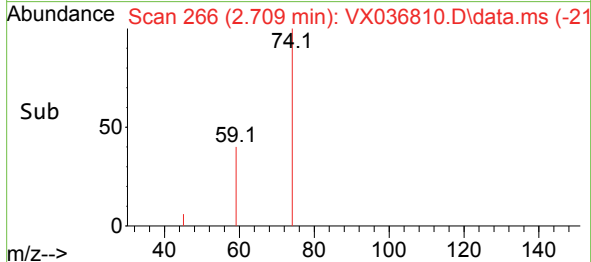
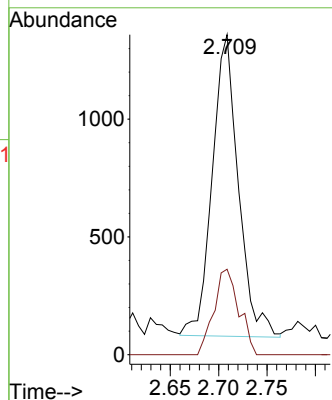
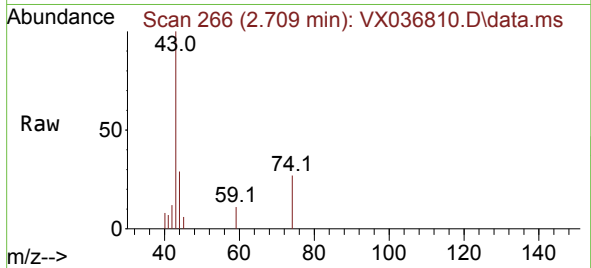




#18
Methyl Acetate
Concen: 0.675 ug/l
RT: 2.709 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

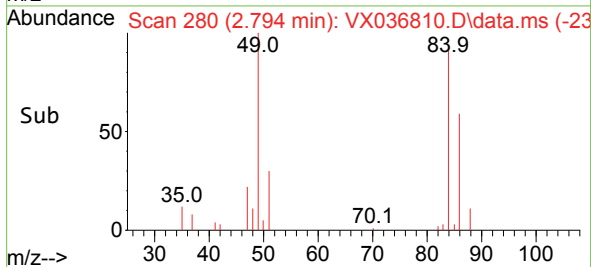
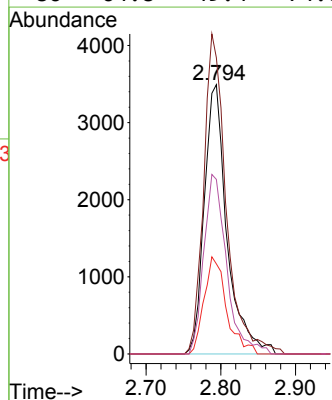
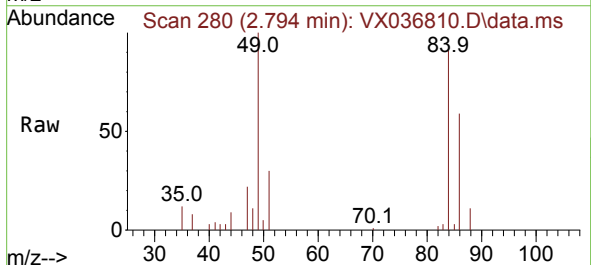
Instrument :
MSVOA_X
ClientSampleId :
ZHC#08

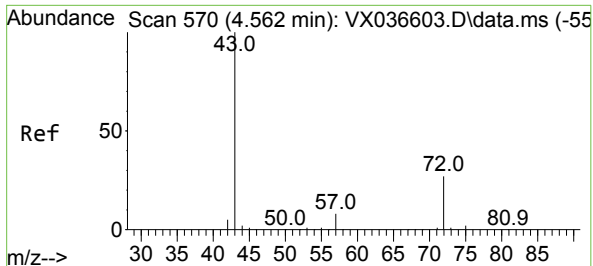
Tgt Ion: 43 Resp: 2402
Ion Ratio Lower Upper
43 100
74 27.1 17.8 26.8#



#20
Methylene Chloride
Concen: 3.922 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

Tgt Ion: 84 Resp: 7382
Ion Ratio Lower Upper
84 100
49 110.1 103.6 155.4
51 33.4 33.8 50.6#
86 64.8 49.4 74.0





#25

2-Butanone

Concen: 13.505 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX036810.D

Acq: 04 Aug 2023 15:07

Instrument :

MSVOA_X

ClientSampleId :

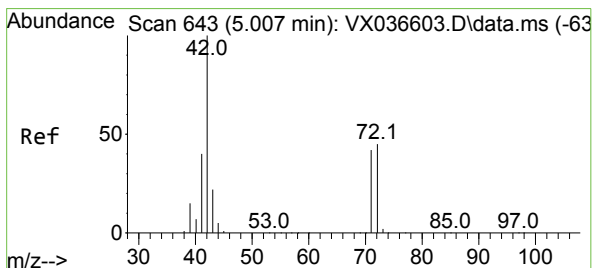
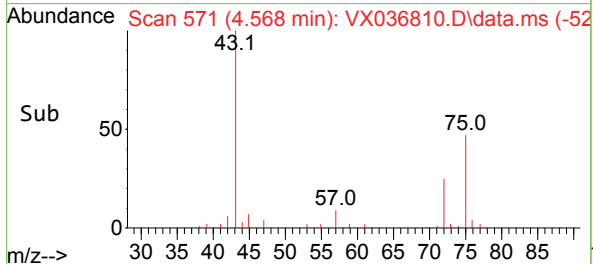
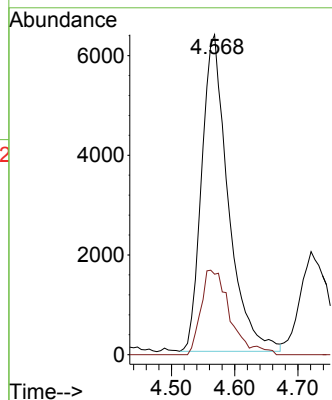
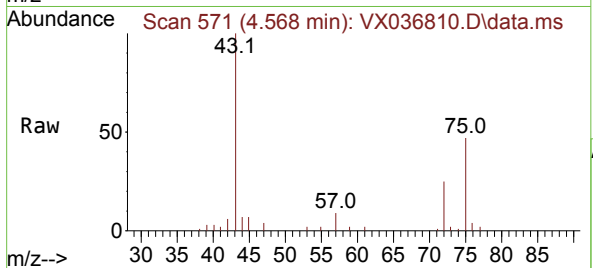
ZHC#08

Tgt Ion: 43 Resp: 18542

Ion Ratio Lower Upper

43 100

72 25.4 19.4 29.2



#29

Tetrahydrofuran

Concen: 0.828 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.024 min

Lab File: VX036810.D

Acq: 04 Aug 2023 15:07

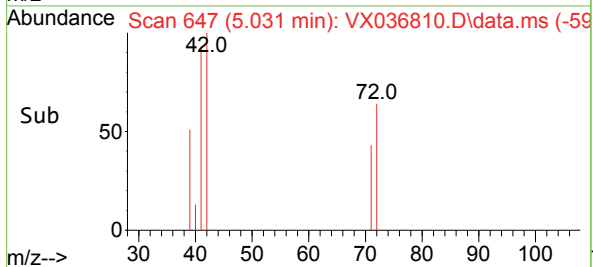
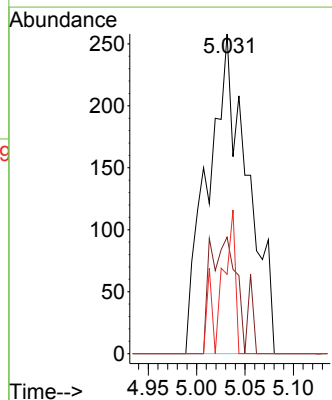
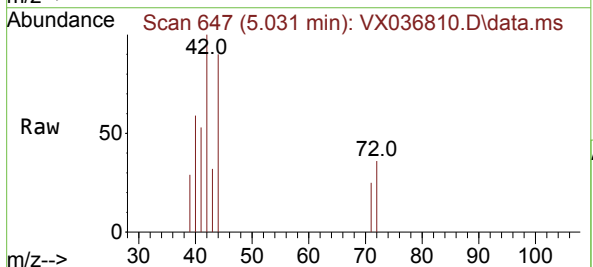
Tgt Ion: 42 Resp: 733

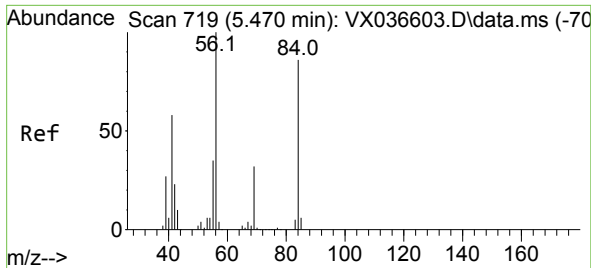
Ion Ratio Lower Upper

42 100

72 26.6 34.2 51.4#

71 15.8 32.2 48.2#

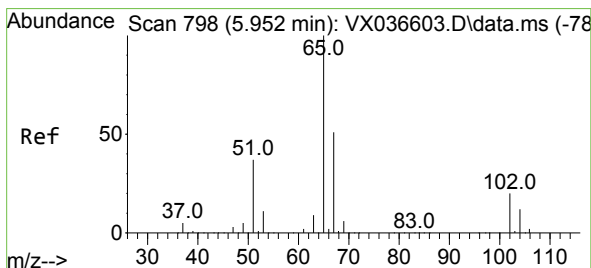
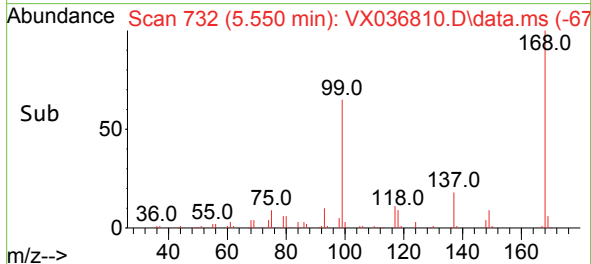
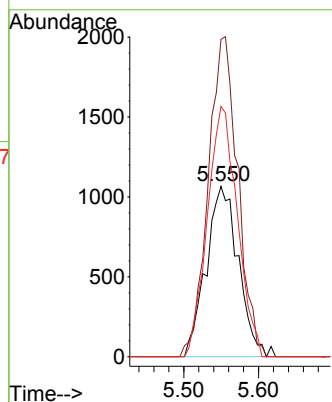
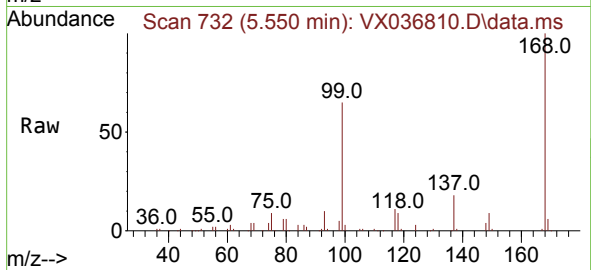




#31
Cyclohexane
Concen: 1.133 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

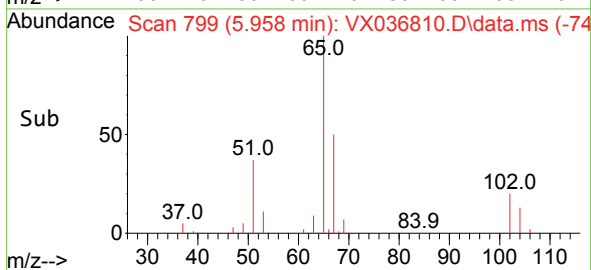
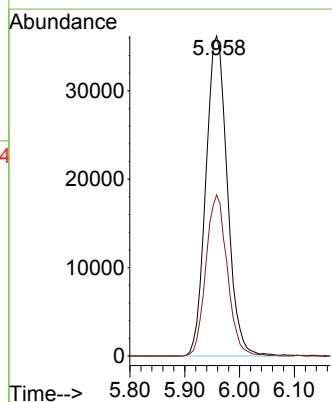
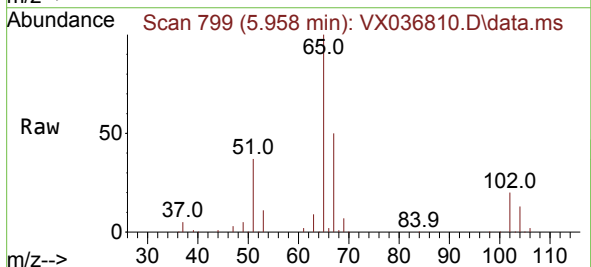
Instrument :
MSVOA_X
ClientSampleId :
ZHC#08

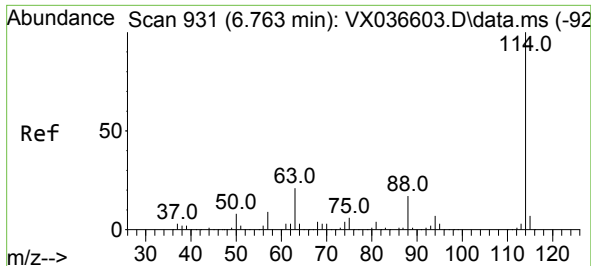
Tgt Ion: 56 Resp: 3198
Ion Ratio Lower Upper
56 100
69 186.4 23.4 35.2#
84 146.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 48.083 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

Tgt Ion: 65 Resp: 98054
Ion Ratio Lower Upper
65 100
67 50.2 0.0 100.2

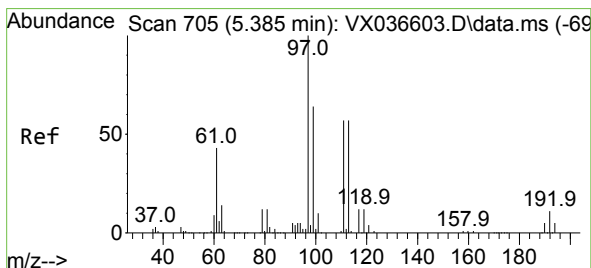
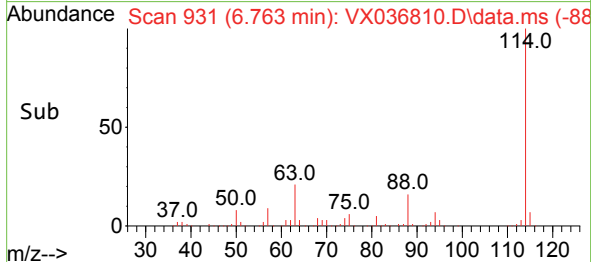
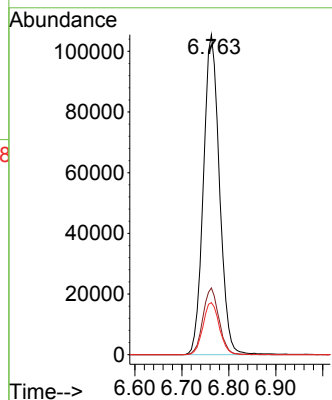
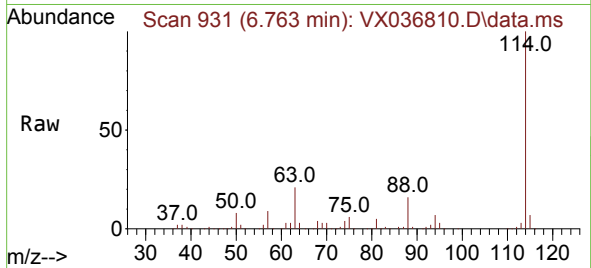




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

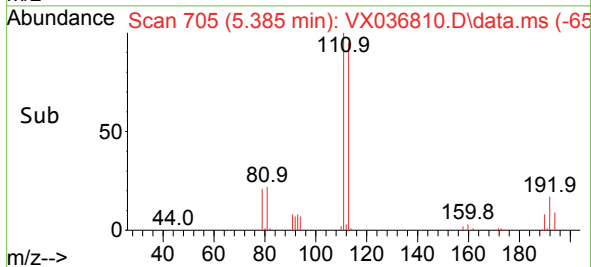
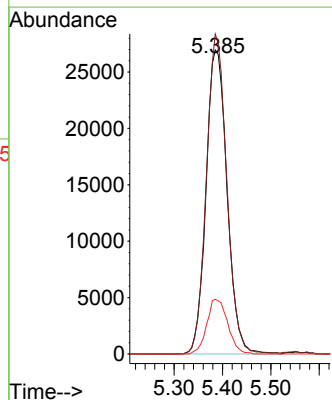
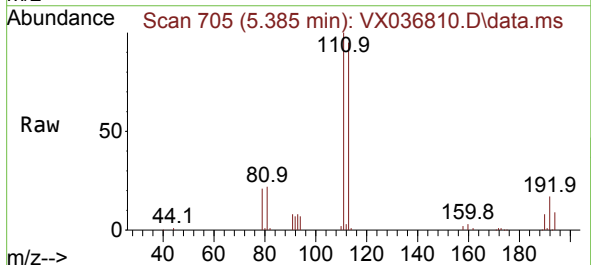
Instrument :
MSVOA_X
ClientSampleId :
ZHC#08

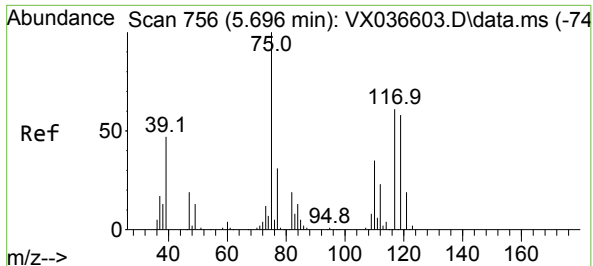
Tgt Ion:114 Resp: 250261
Ion Ratio Lower Upper
114 100
63 20.8 0.0 45.0
88 16.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.395 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

Tgt Ion:113 Resp: 81526
Ion Ratio Lower Upper
113 100
111 101.9 82.9 124.3
192 17.9 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.419 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX036810.D

Acq: 04 Aug 2023 15:07

Instrument :

MSVOA_X

ClientSampleId :

ZHC#08

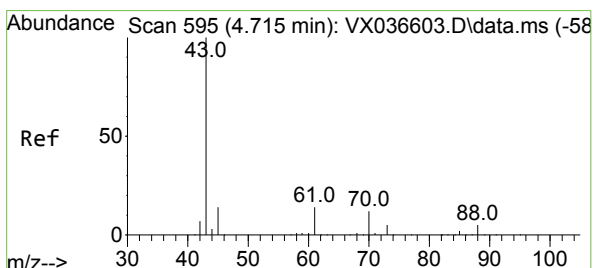
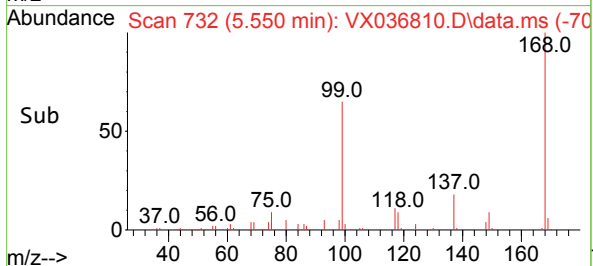
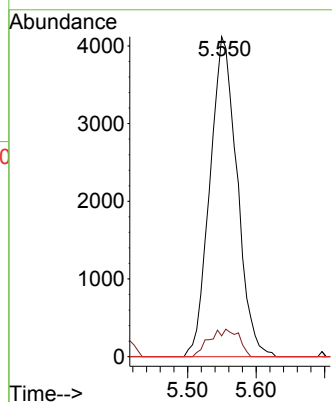
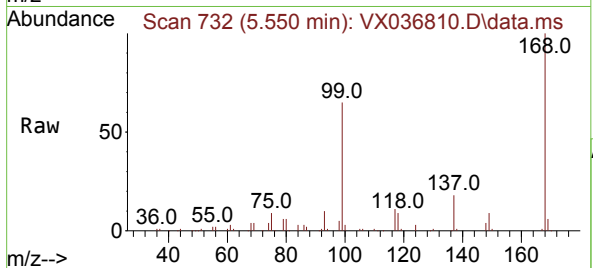
Tgt Ion: 75 Resp: 11331

Ion Ratio Lower Upper

75 100

110 9.3 17.0 50.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 2.166 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX036810.D

Acq: 04 Aug 2023 15:07

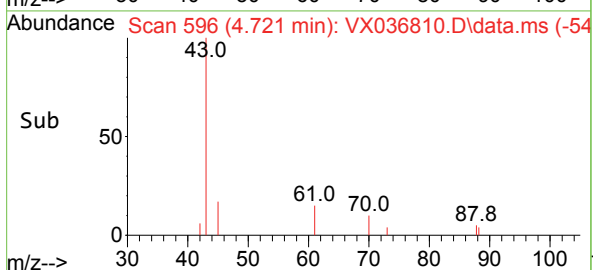
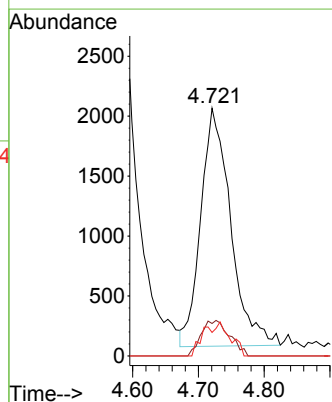
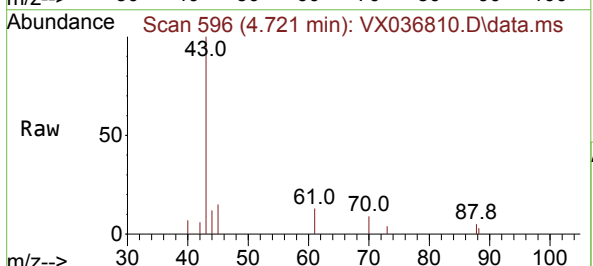
Tgt Ion: 43 Resp: 6286

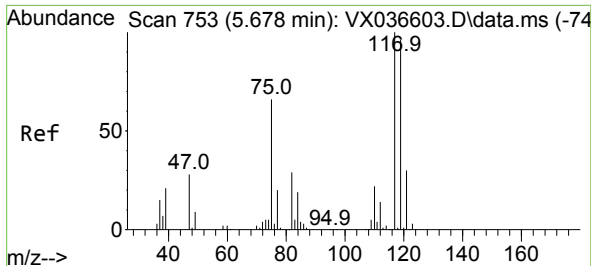
Ion Ratio Lower Upper

43 100

61 14.2 10.6 16.0

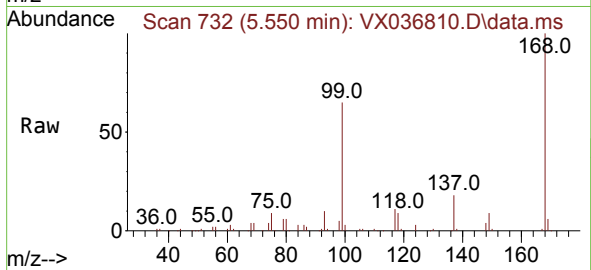
70 5.2 8.3 12.5#



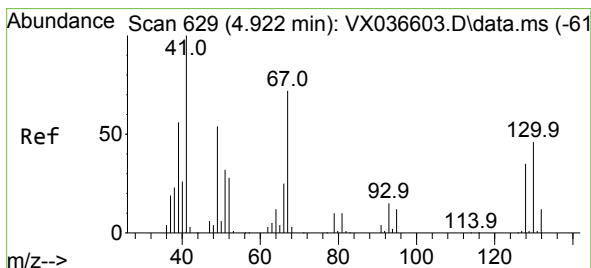
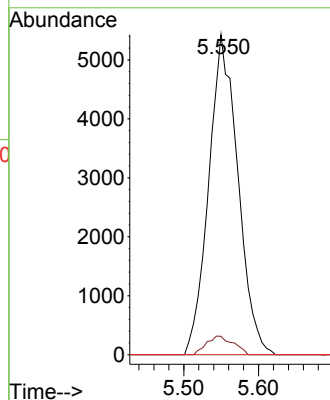
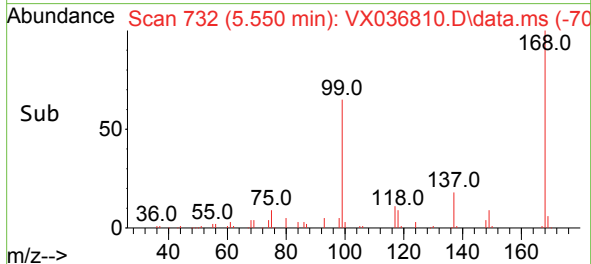


#38
Carbon Tetrachloride
Concen: 5.401 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

Instrument :
MSVOA_X
ClientSampleId :
ZHC#08

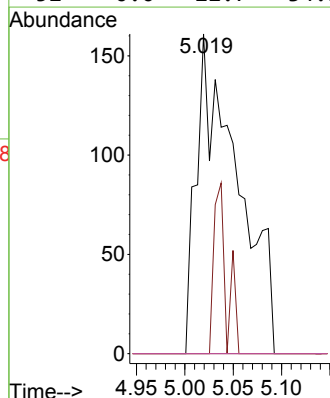
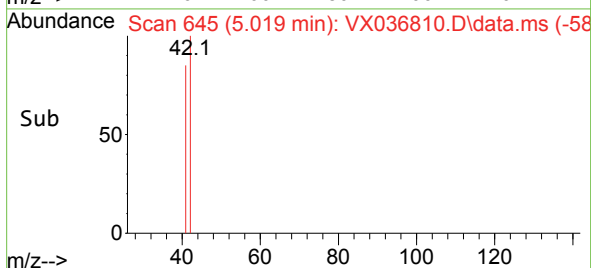
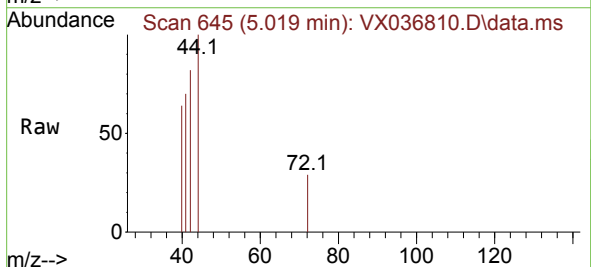


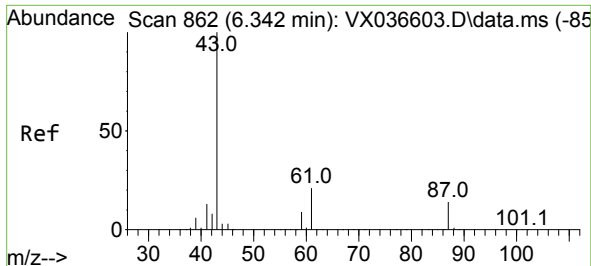
Tgt Ion:117 Resp: 14722
Ion Ratio Lower Upper
117 100
119 5.7 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.304 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.097 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

Tgt Ion: 41 Resp: 472
Ion Ratio Lower Upper
41 100
39 16.5 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

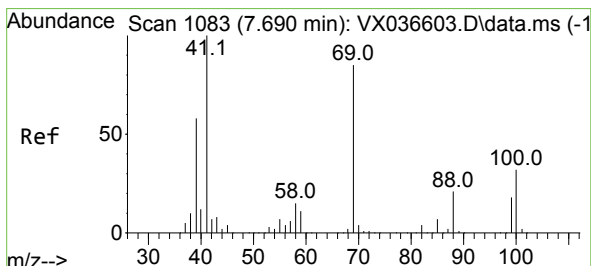
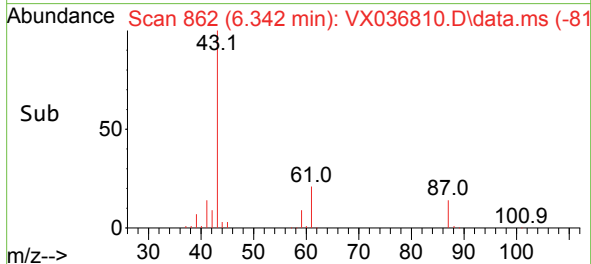
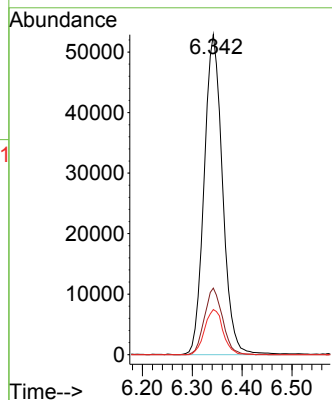
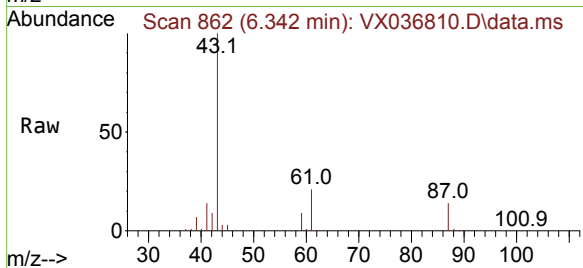




#43
Isopropyl Acetate
Concen: 27.123 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

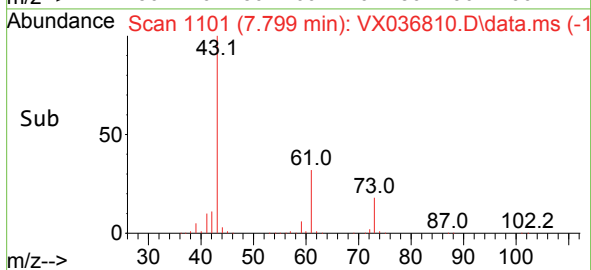
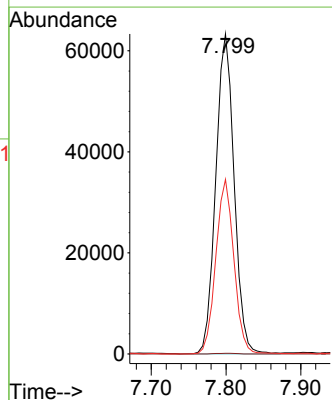
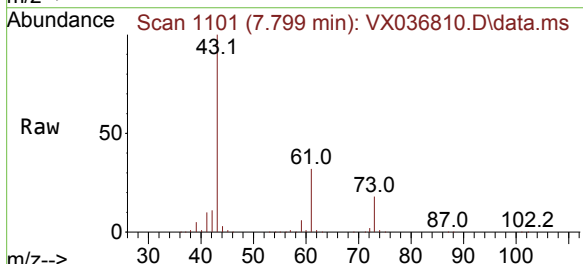
Instrument :
MSVOA_X
ClientSampleId :
ZHC#08

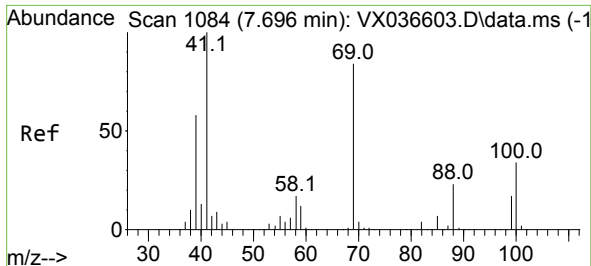
Tgt Ion: 43 Resp: 135487
Ion Ratio Lower Upper
43 100
61 20.5 15.2 22.8
87 14.1 9.8 14.6



#48
Methyl methacrylate
Concen: 46.673 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

Tgt Ion: 41 Resp: 108426
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 53.9 47.7 71.5





#49

1,4-Dioxane

Concen: 4.688 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX036810.D

Acq: 04 Aug 2023 15:07

Instrument :

MSVOA_X

ClientSampleId :

ZHC#08

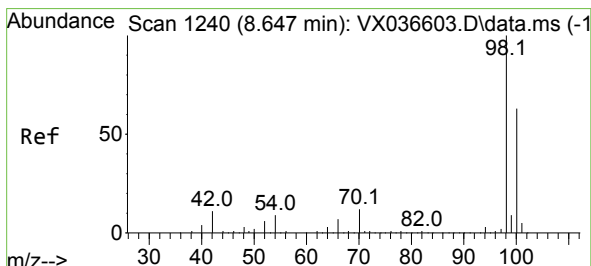
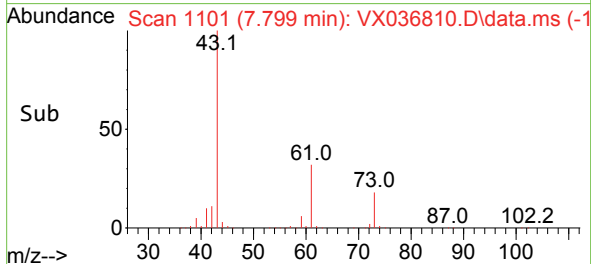
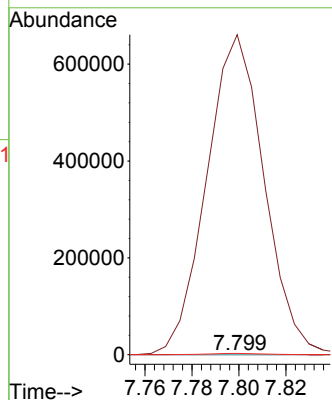
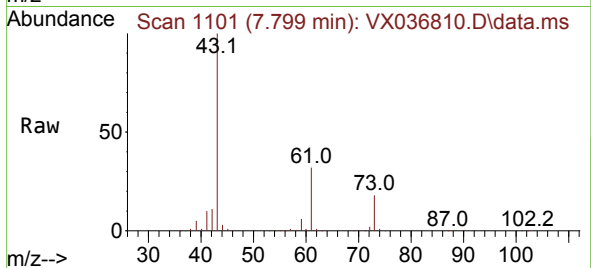
Tgt Ion: 88 Resp: 220

Ion Ratio Lower Upper

88 100

43 515094.1 0.0 0.0#

58 2079.1 60.1 90.1#



#50

Toluene-d8

Concen: 49.723 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX036810.D

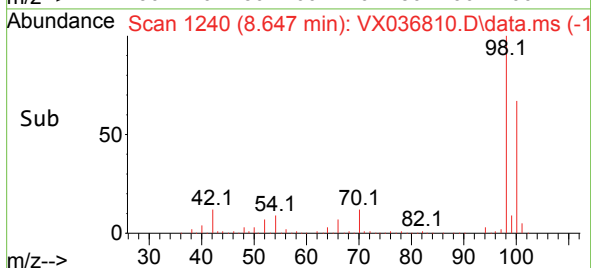
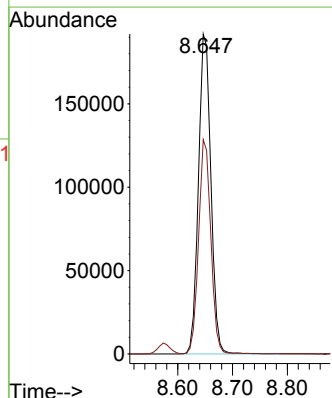
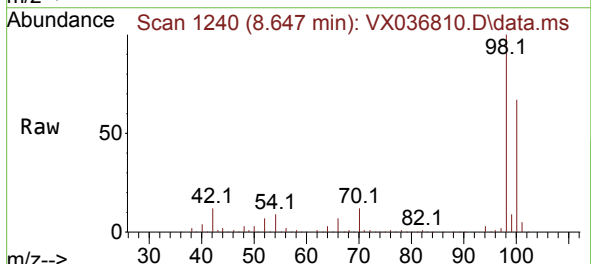
Acq: 04 Aug 2023 15:07

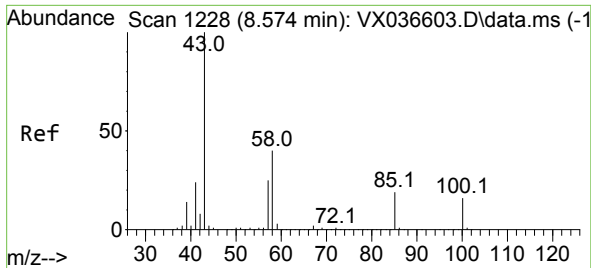
Tgt Ion: 98 Resp: 303310

Ion Ratio Lower Upper

98 100

100 65.4 53.1 79.7

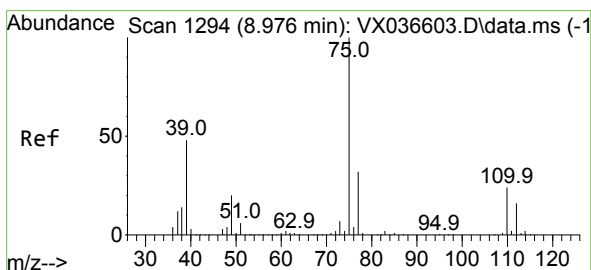
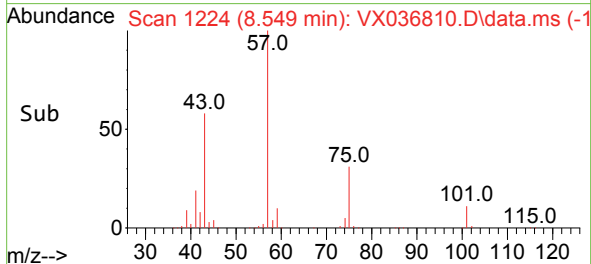
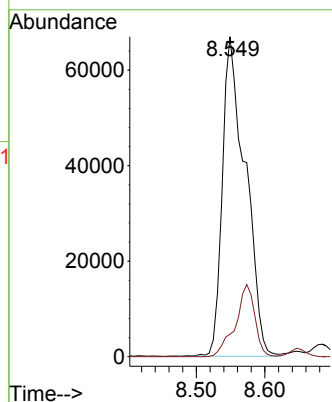
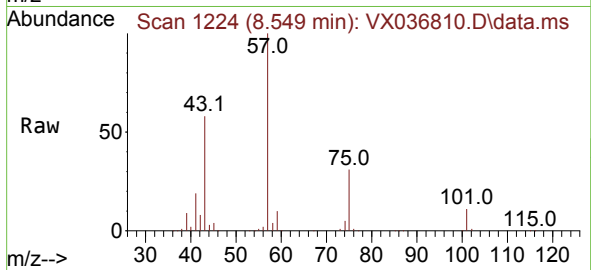




#51
4-Methyl-2-Pentanone
Concen: 56.336 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

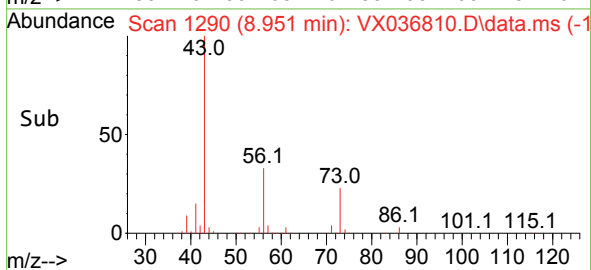
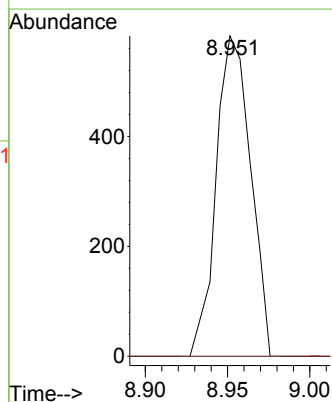
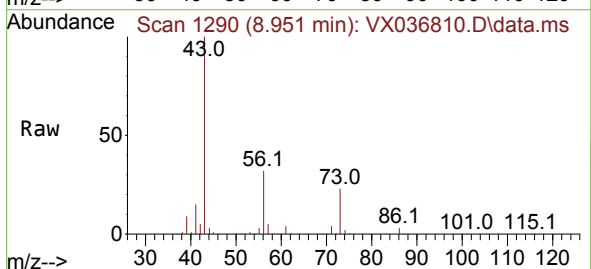
Instrument :
MSVOA_X
ClientSampleId :
ZHC#08

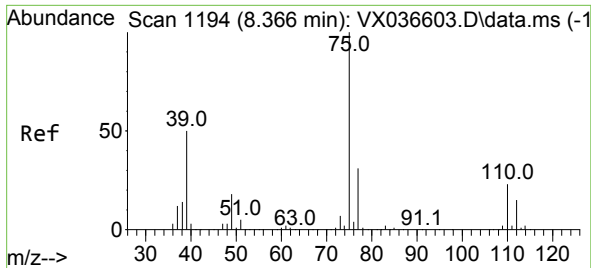
Tgt Ion: 43 Resp: 155733
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.262 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

Tgt Ion: 75 Resp: 848
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

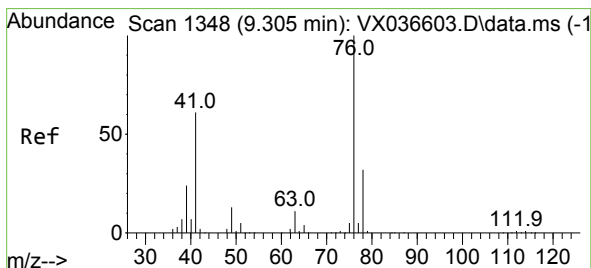
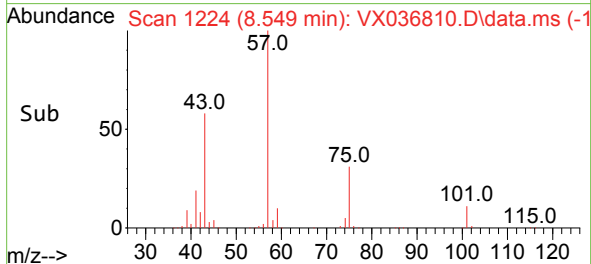
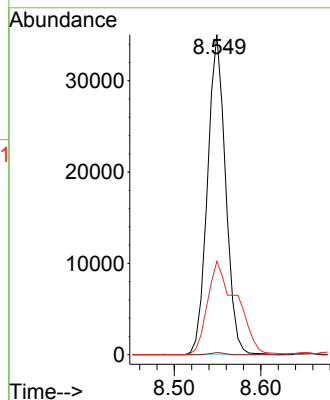
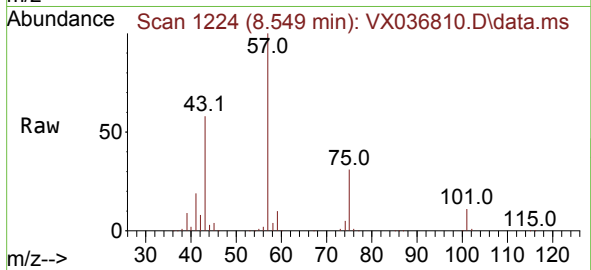




#54
 cis-1,3-Dichloropropene
 Concen: 14.881 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036810.D
 Acq: 04 Aug 2023 15:07

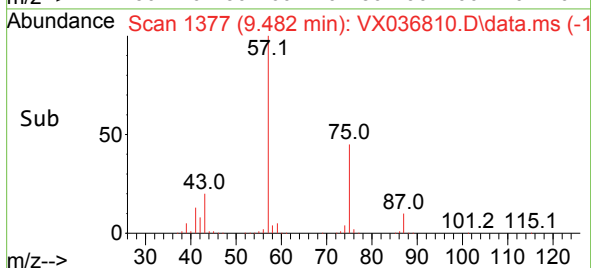
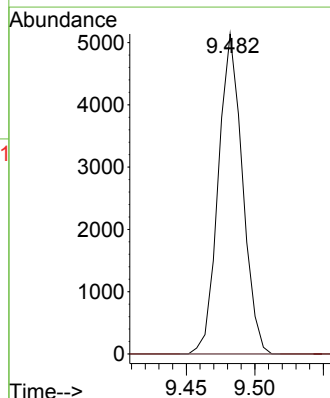
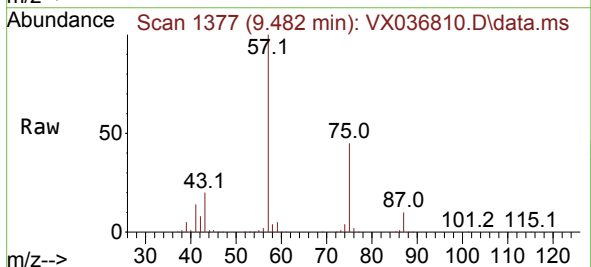
Instrument :
 MSVOA_X
 ClientSampleId :
 ZHC#08

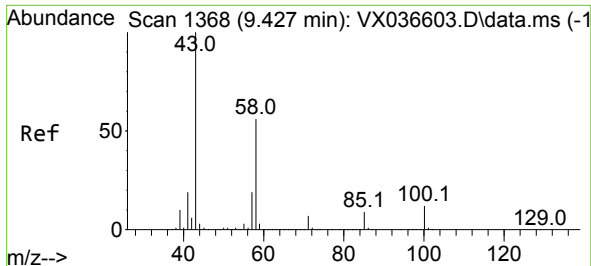
Tgt Ion: 75 Resp: 50777
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 29.2 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.922 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036810.D
 Acq: 04 Aug 2023 15:07

Tgt Ion: 76 Resp: 6290
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

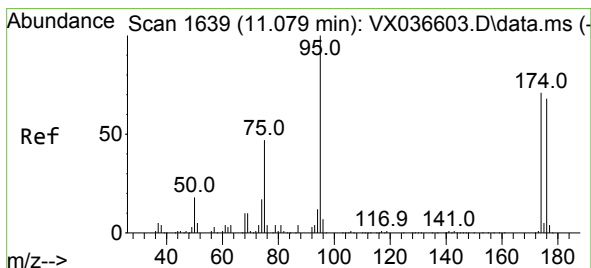
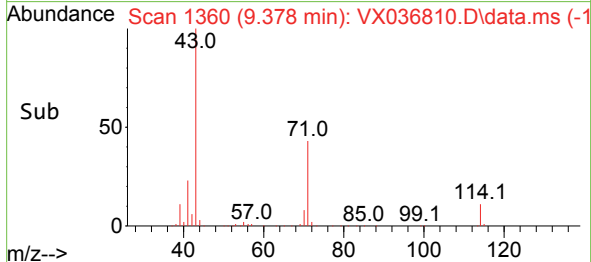
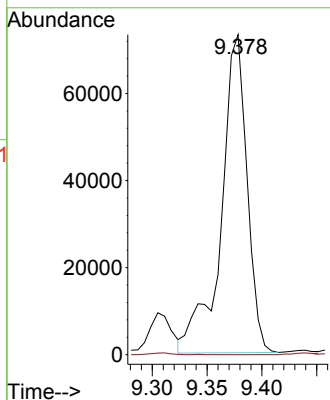
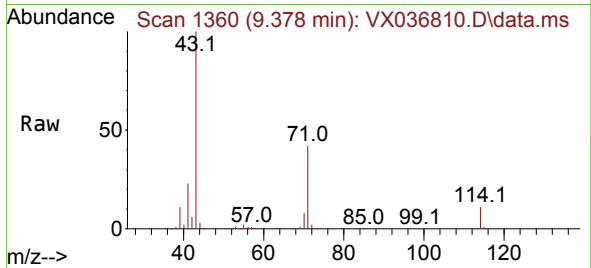




#59
2-Hexanone
Concen: 58.497 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

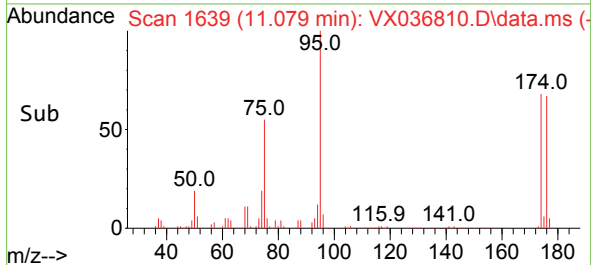
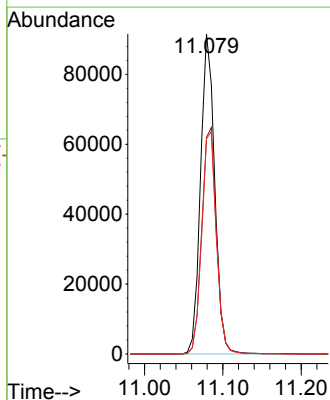
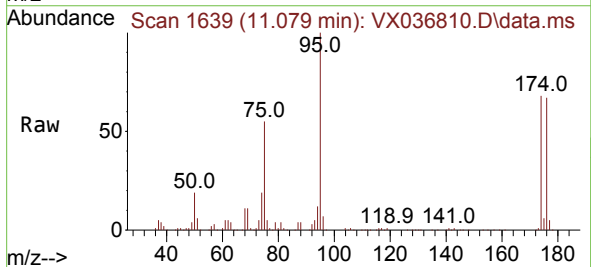
Instrument :
MSVOA_X
ClientSampleId :
ZHC#08

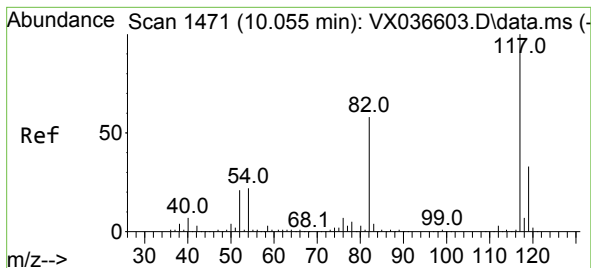
Tgt Ion: 43 Resp: 120013
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.890 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

Tgt Ion: 95 Resp: 114820
Ion Ratio Lower Upper
95 100
174 73.1 0.0 135.6
176 71.6 0.0 131.0

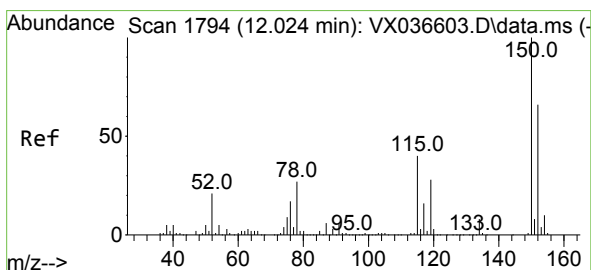
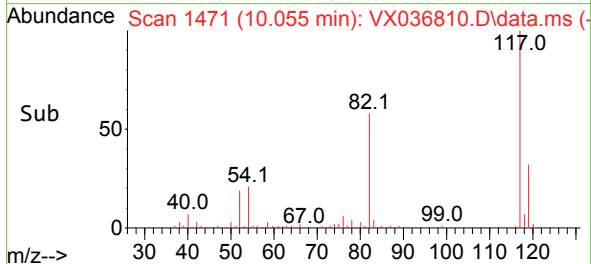
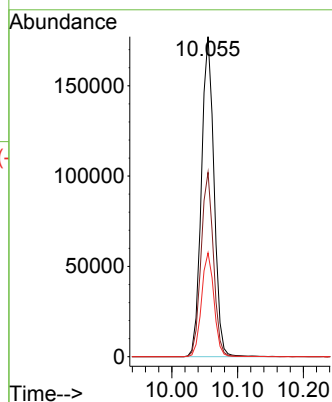
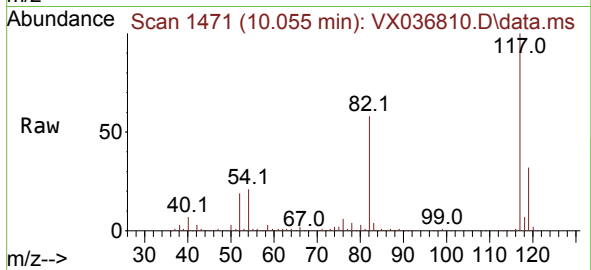




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

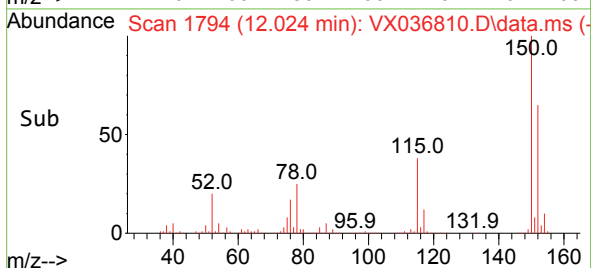
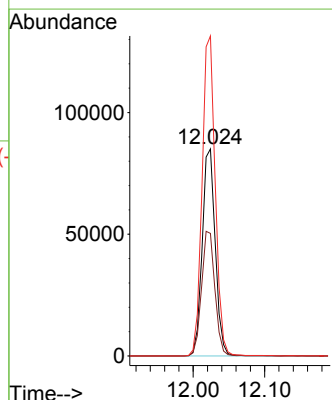
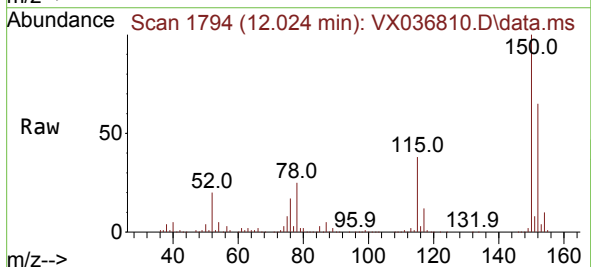
Instrument :
MSVOA_X
ClientSampleId :
ZHC#08

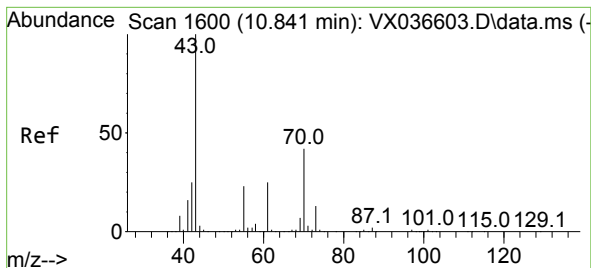
Tgt Ion:117 Resp: 236230
Ion Ratio Lower Upper
117 100
82 57.6 46.2 69.4
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

Tgt Ion:152 Resp: 107708
Ion Ratio Lower Upper
152 100
115 61.7 43.3 129.9
150 155.9 0.0 345.0





#74

N-amy1 acetate

Concen: 7.126 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX036810.D

Acq: 04 Aug 2023 15:07

Instrument :

MSVOA_X

ClientSampleId :

ZHC#08

Tgt Ion: 43 Resp: 29622

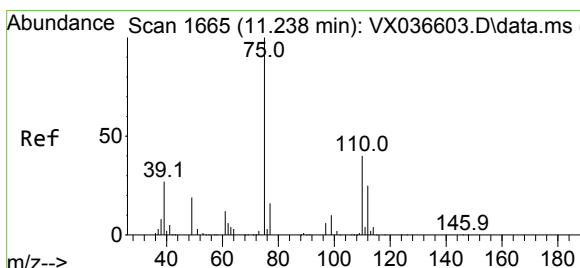
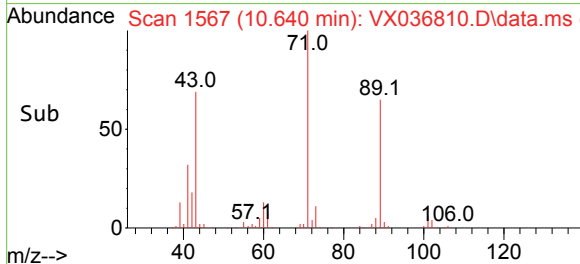
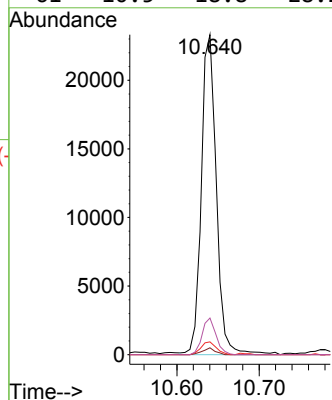
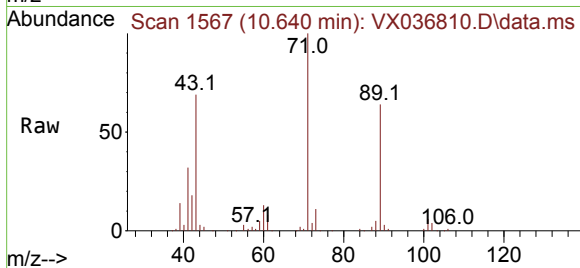
Ion Ratio Lower Upper

43 100

70 1.8 32.9 49.3#

55 4.1 19.3 28.9#

61 10.5 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 23.791 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036810.D

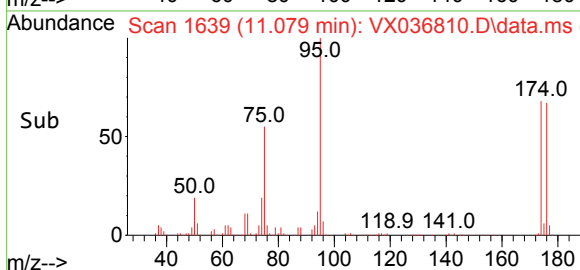
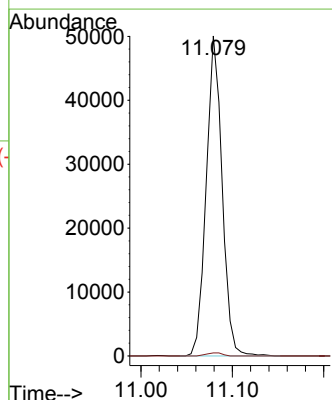
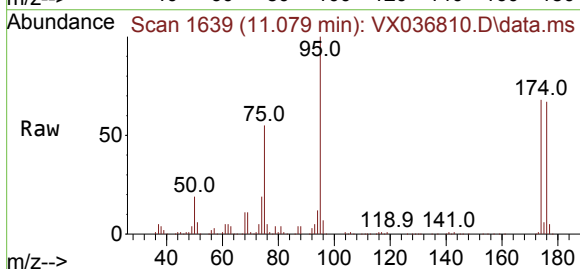
Acq: 04 Aug 2023 15:07

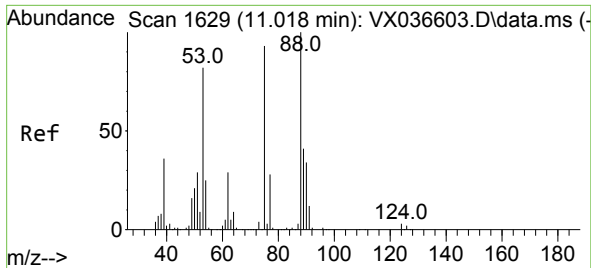
Tgt Ion: 75 Resp: 60272

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 53.923 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX036810.D
Acq: 04 Aug 2023 15:07

Instrument :
MSVOA_X
ClientSampleId :
ZHC#08

Tgt Ion: 75 Resp: 60272
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

