

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080423\
 Data File : VX036806.D
 Acq On : 04 Aug 2023 13:31
 Operator : JC/MD
 Sample : ZHC#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ZHC#04

Quant Time: Aug 05 00:10:35 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)

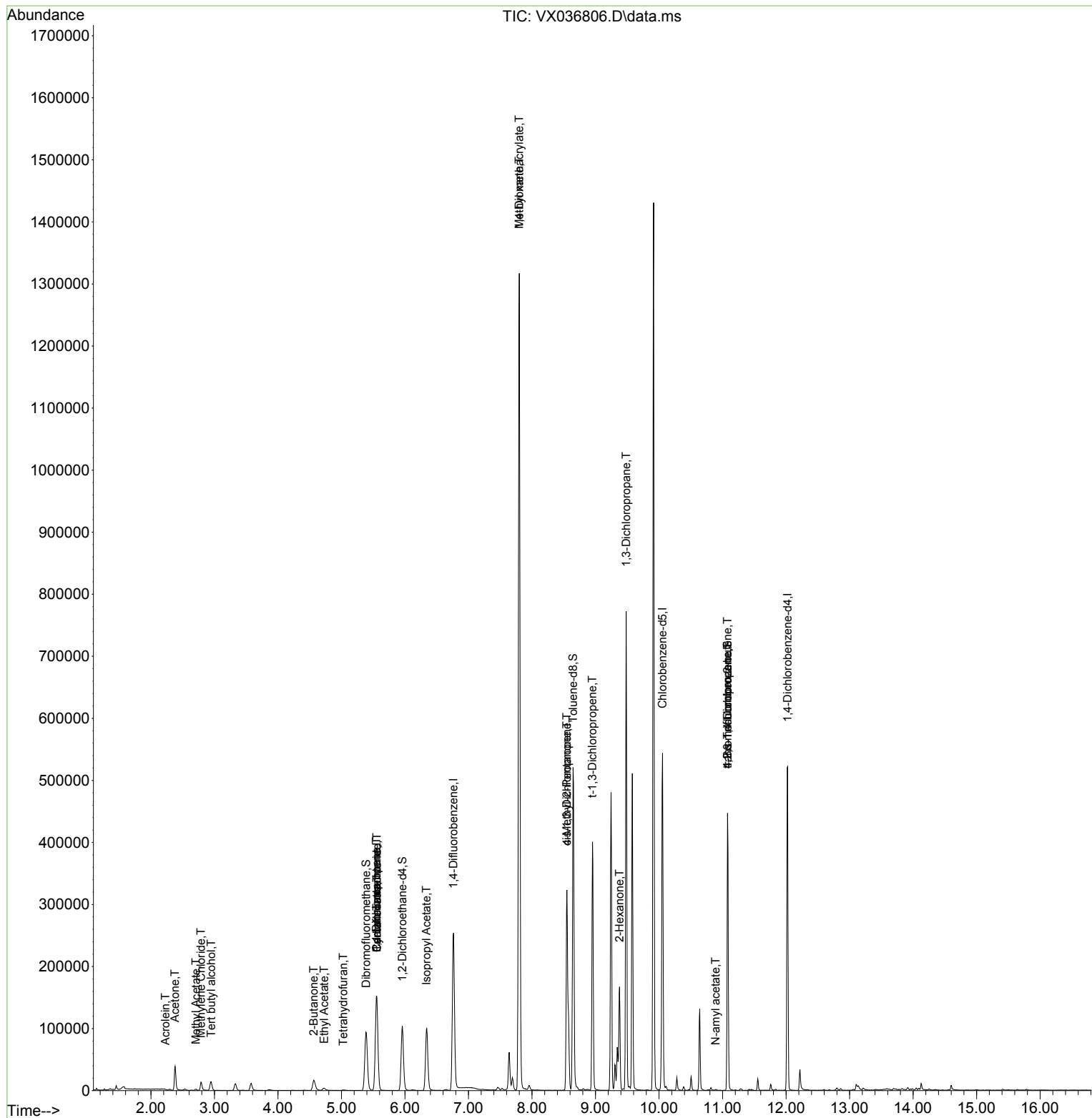
Internal Standards						
1) Pentafluorobenzene	5.556	168	140558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	258629	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	241026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	99884	48.027	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.060%
35) Dibromofluoromethane	5.385	113	83321	46.871	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.740%
50) Toluene-d8	8.647	98	309950	49.167	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.340%
62) 4-Bromofluorobenzene	11.079	95	118288	49.734	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.460%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	8614	17.495	ug/l #	82
13) Acrolein	2.227	56	204	0.726	ug/l #	41
16) Acetone	2.380	43	42777	49.566	ug/l	91
18) Methyl Acetate	2.709	43	2317	0.638	ug/l	95
20) Methylene Chloride	2.788	84	6726	3.504	ug/l	95
25) 2-Butanone	4.562	43	19079	13.626	ug/l	97
29) Tetrahydrofuran	5.026	42	699	0.774	ug/l #	87
31) Cyclohexane	5.556	56	3365	1.169	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11966	4.516	ug/l #	50
37) Ethyl Acetate	4.727	43	6495	2.166	ug/l #	95
38) Carbon Tetrachloride	5.556	117	15400	5.467	ug/l #	15
43) Isopropyl Acetate	6.336	43	139631	27.048	ug/l	96
48) Methyl methacrylate	7.799	41	112881	47.019	ug/l #	48
49) 1,4-Dioxane	7.799	88	204	4.206	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	163668	57.291	ug/l #	37
53) t-1,3-Dichloropropene	8.952	75	910	0.272	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	53598	15.199	ug/l #	54
57) 1,3-Dichloropropane	9.482	76	6654	1.968	ug/l #	42
59) 2-Hexanone	9.378	43	124200	58.579	ug/l #	26
74) N-amyl acetate	10.890	43	1047	0.253	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	62270	24.675	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	62270	55.927	ug/l #	5

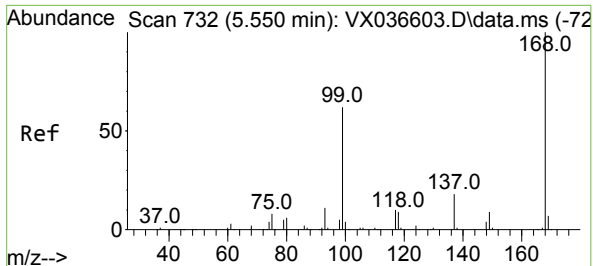
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 05 00:10:35 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

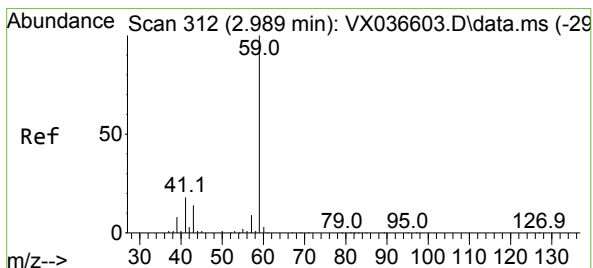
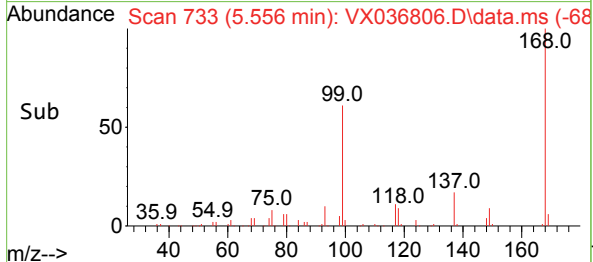
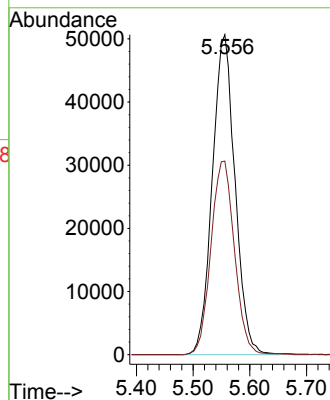
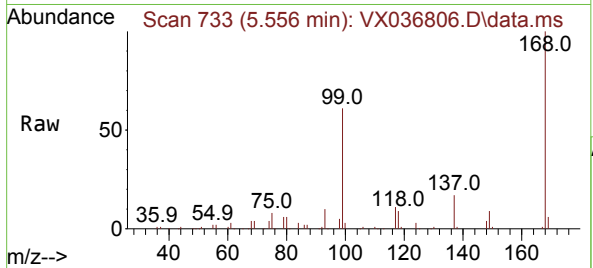




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

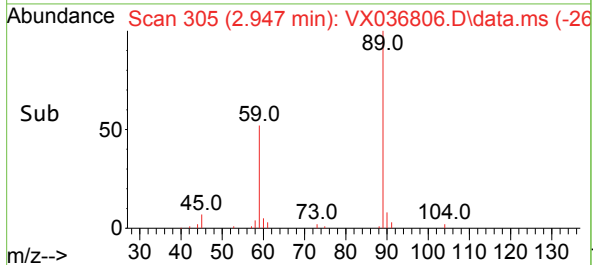
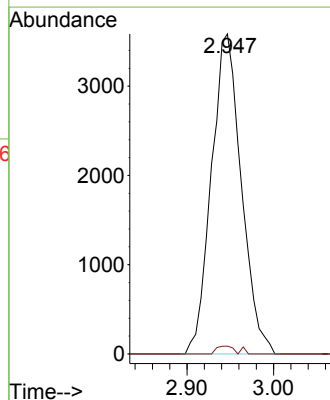
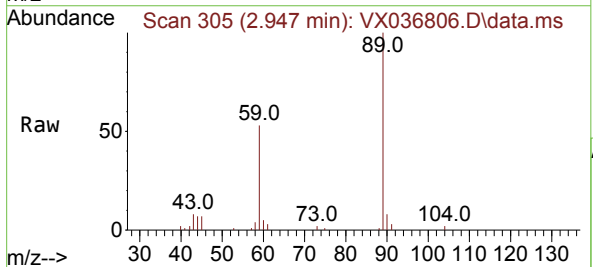
Instrument :
MSVOA_X
ClientSampleId :
ZHC#04

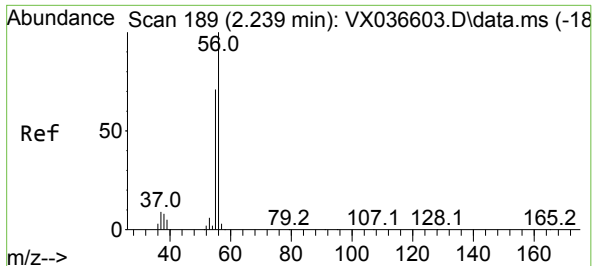
Tgt Ion:168 Resp: 140558
Ion Ratio Lower Upper
168 100
99 60.5 56.6 85.0



#11
Tert butyl alcohol
Concen: 17.495 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.043 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

Tgt Ion: 59 Resp: 8614
Ion Ratio Lower Upper
59 100
57 1.3 6.0 9.0#

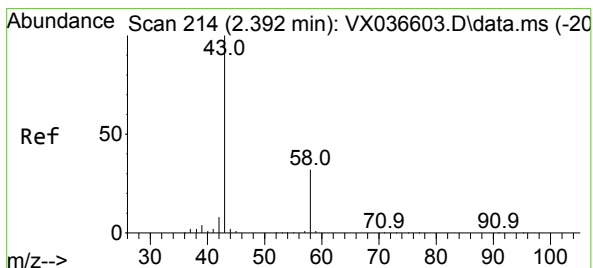
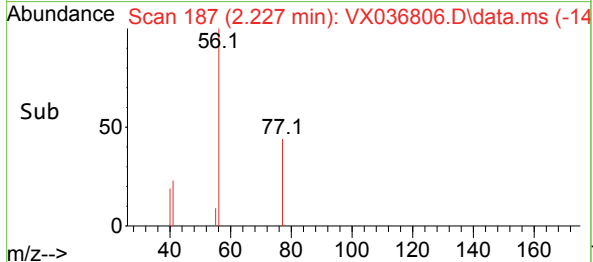
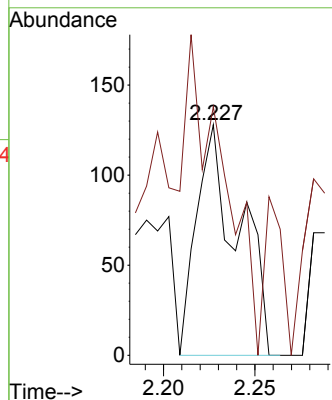
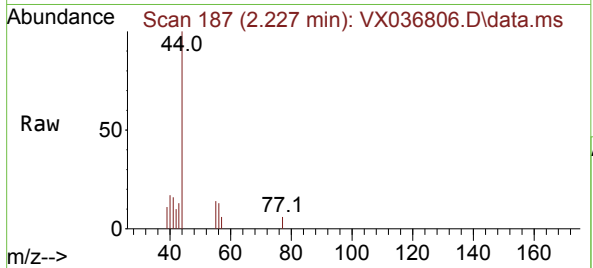




#13
Acrolein
Concen: 0.726 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

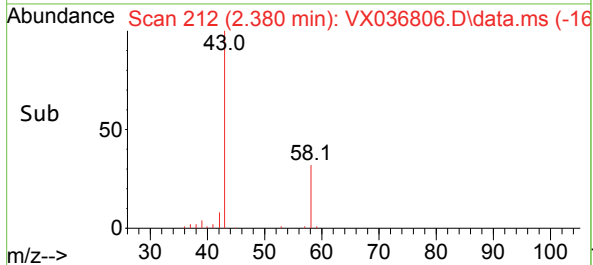
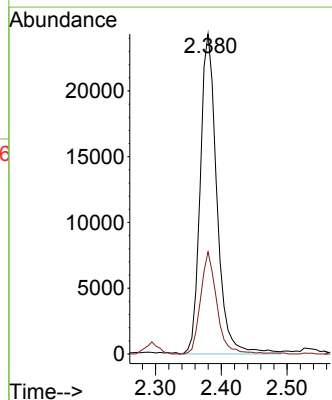
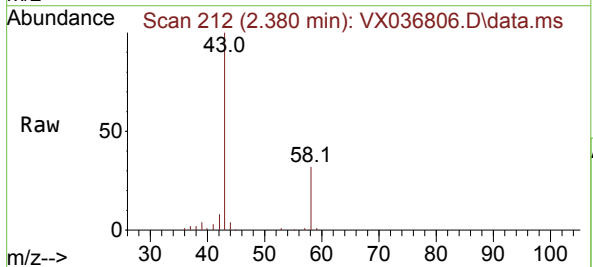
Instrument :
MSVOA_X
ClientSampleId :
ZHC#04

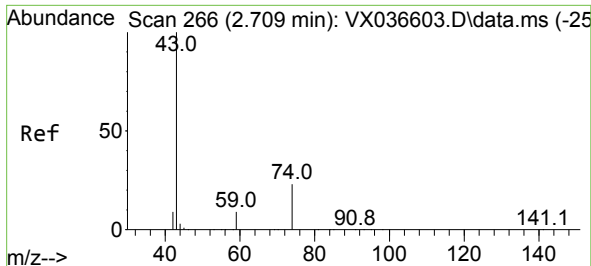
Tgt Ion: 56 Resp: 204
Ion Ratio Lower Upper
56 100
55 120.1 57.1 85.7#



#16
Acetone
Concen: 49.566 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

Tgt Ion: 43 Resp: 42777
Ion Ratio Lower Upper
43 100
58 31.9 21.9 32.9





#18

Methyl Acetate

Concen: 0.638 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.000 min

Lab File: VX036806.D

Acq: 04 Aug 2023 13:31

Instrument :

MSVOA_X

ClientSampleId :

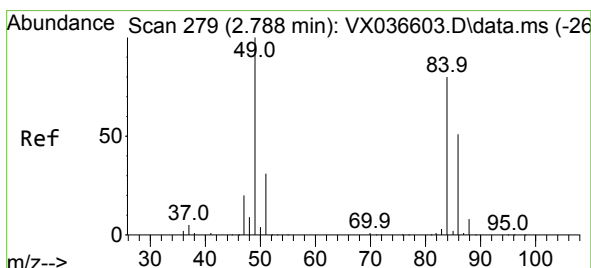
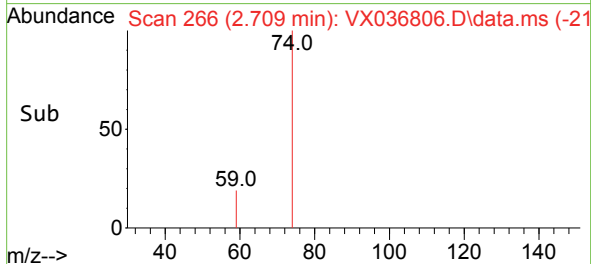
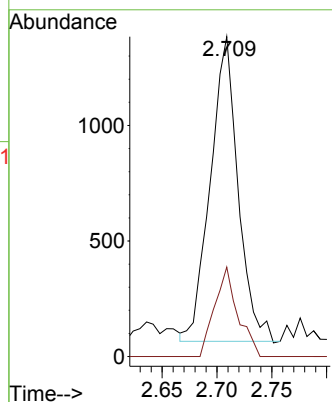
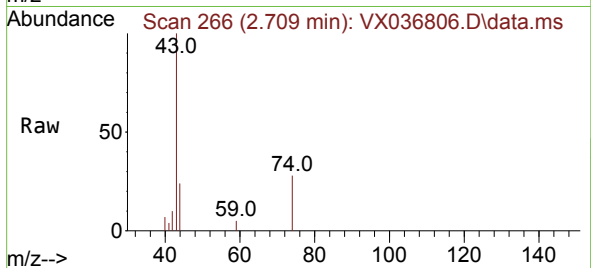
ZHC#04

Tgt Ion: 43 Resp: 2317

Ion Ratio Lower Upper

43 100

74 24.6 17.8 26.8



#20

Methylene Chloride

Concen: 3.504 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX036806.D

Acq: 04 Aug 2023 13:31

Tgt Ion: 84 Resp: 6726

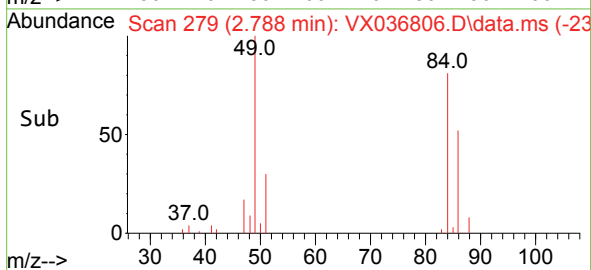
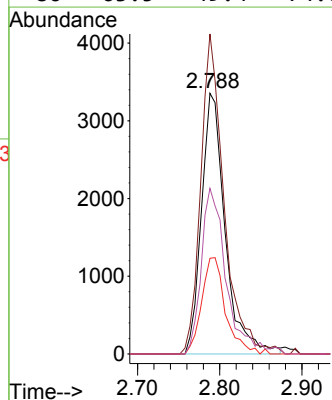
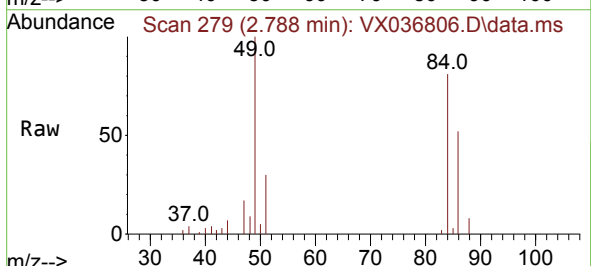
Ion Ratio Lower Upper

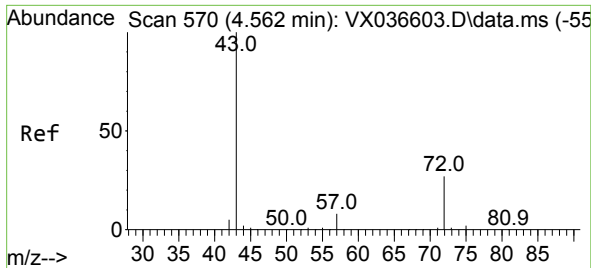
84 100

49 122.7 103.6 155.4

51 36.7 33.8 50.6

86 63.5 49.4 74.0

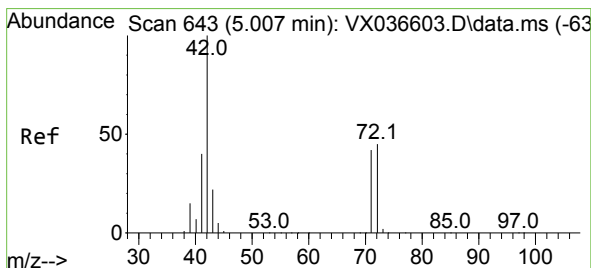
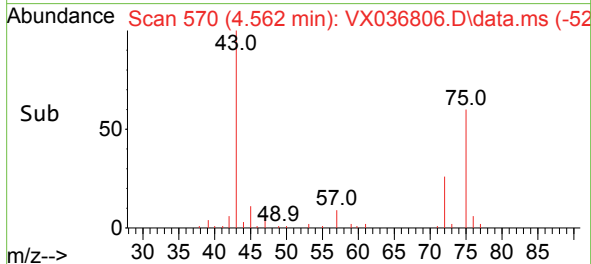
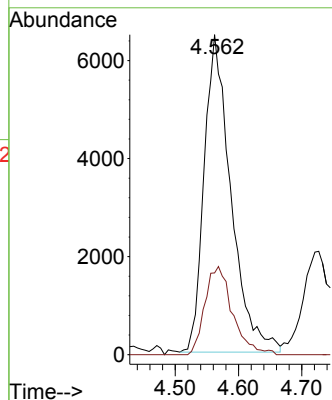
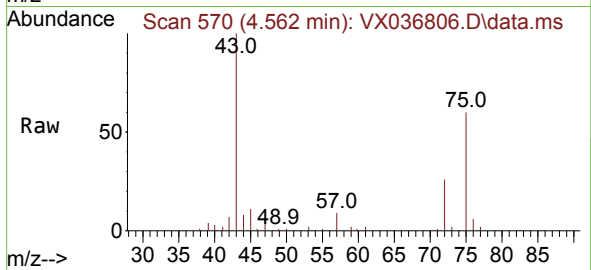




#25
2-Butanone
Concen: 13.626 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

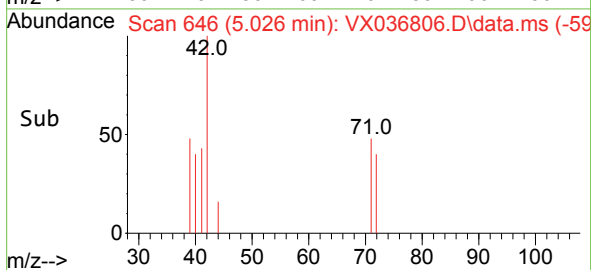
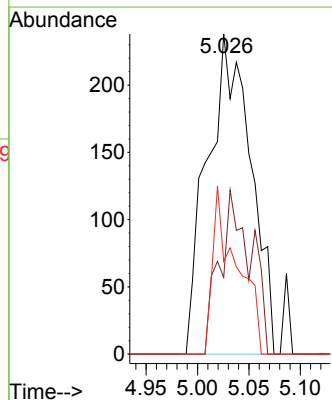
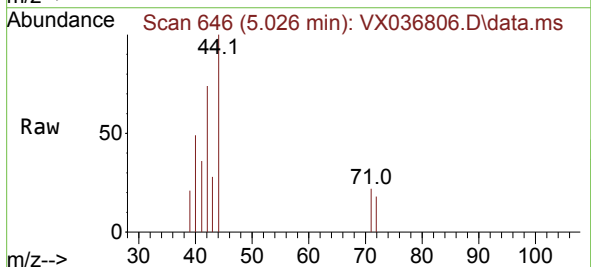
Instrument :
MSVOA_X
ClientSampleId :
ZHC#04

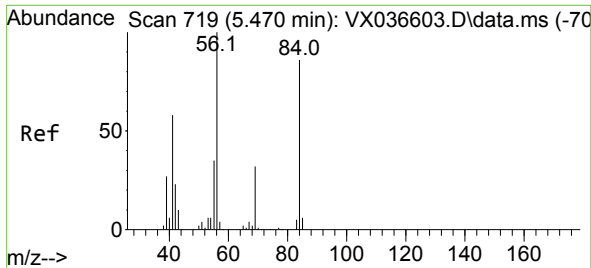
Tgt Ion: 43 Resp: 19079
Ion Ratio Lower Upper
43 100
72 25.8 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.774 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.018 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

Tgt Ion: 42 Resp: 699
Ion Ratio Lower Upper
42 100
72 36.8 34.2 51.4
71 29.2 32.2 48.2#

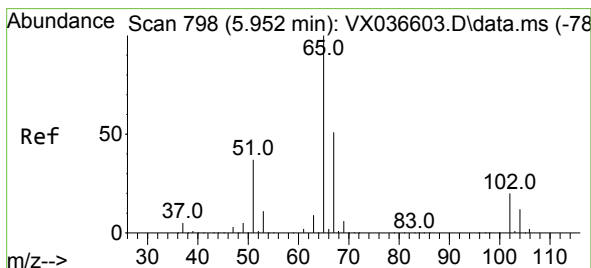
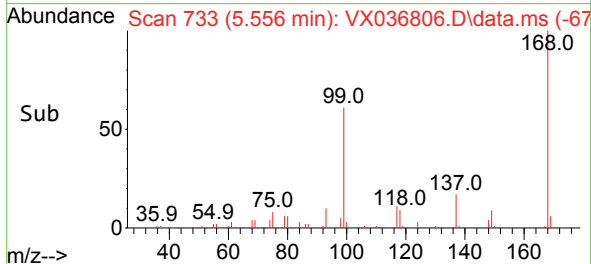
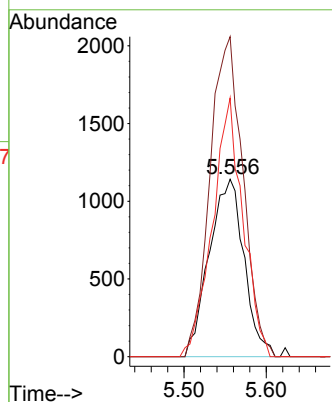
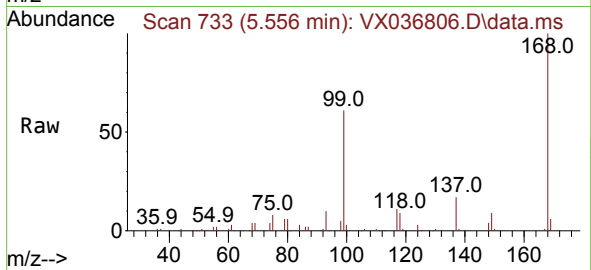




#31
Cyclohexane
Concen: 1.169 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

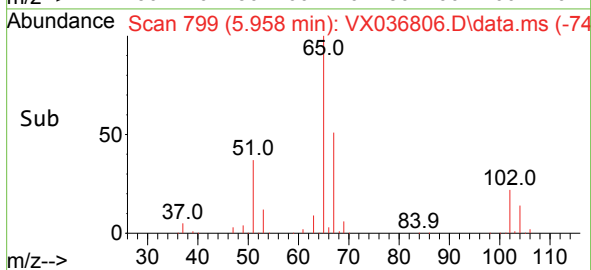
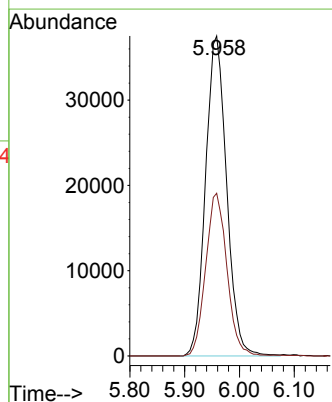
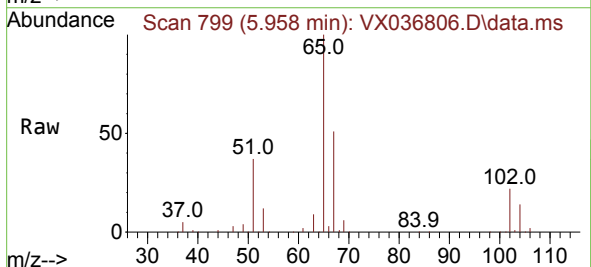
Instrument :
MSVOA_X
ClientSampleId :
ZHC#04

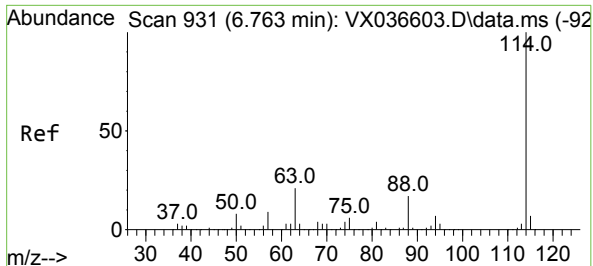
Tgt Ion: 56 Resp: 3365
Ion Ratio Lower Upper
56 100
69 180.3 23.4 35.2#
84 145.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 48.027 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

Tgt Ion: 65 Resp: 99884
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2

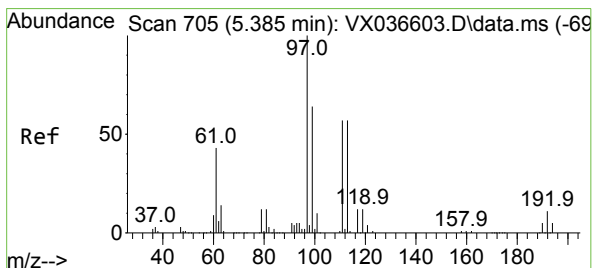
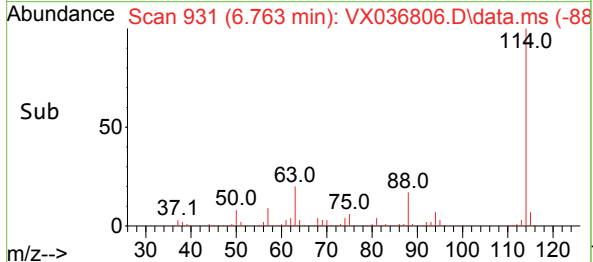
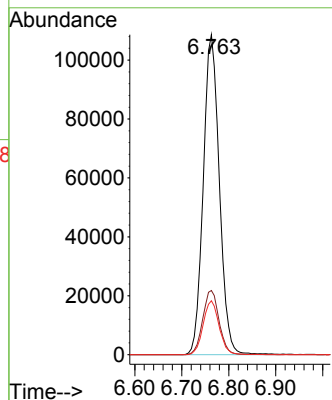
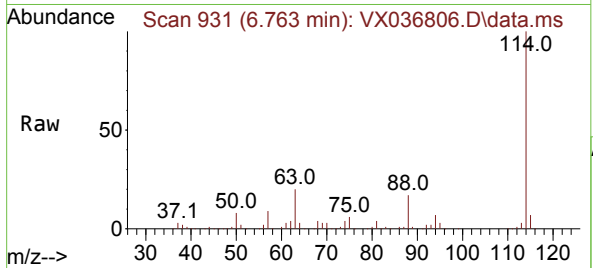




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

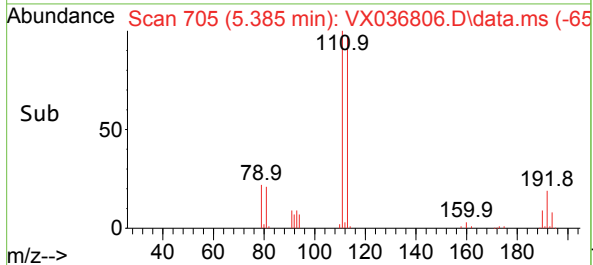
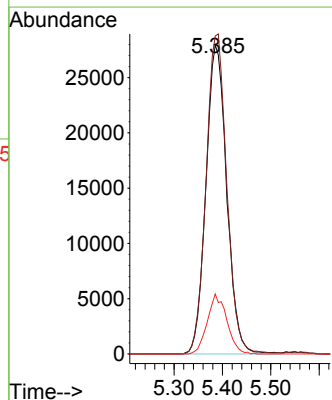
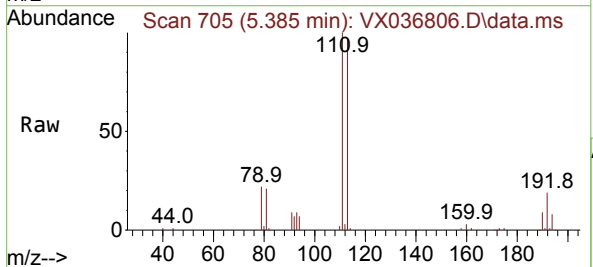
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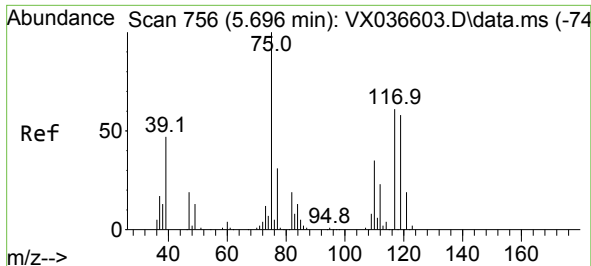
Tgt Ion:114 Resp: 258629
Ion Ratio Lower Upper
114 100
63 20.1 0.0 45.0
88 16.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.871 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

Tgt Ion:113 Resp: 83321
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 18.2 13.3 19.9

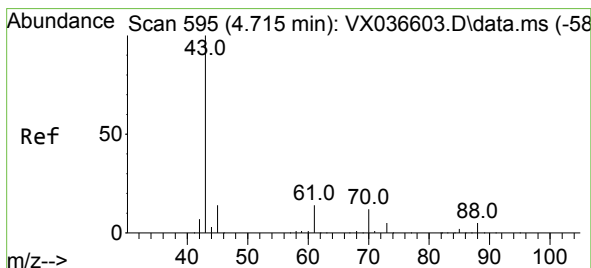
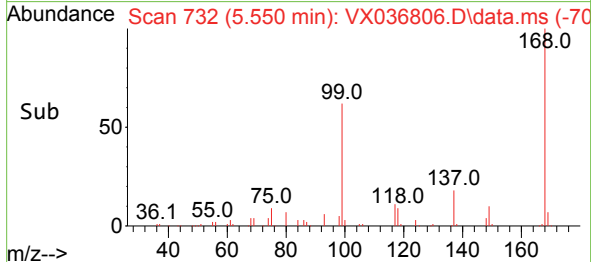
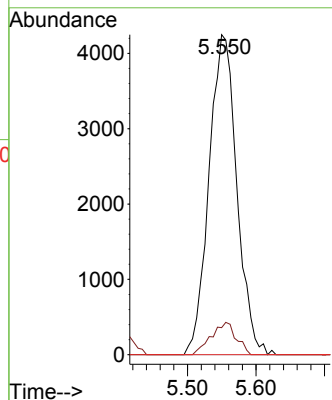
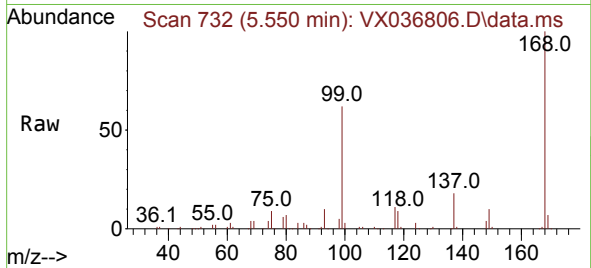




#36
1,1-Dichloropropene
Concen: 4.516 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

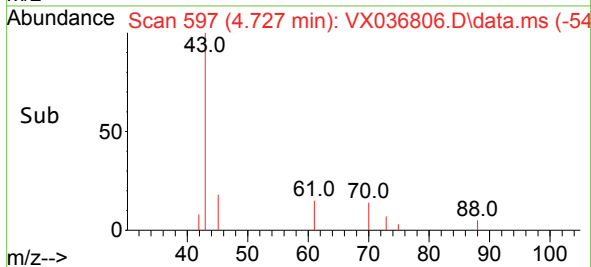
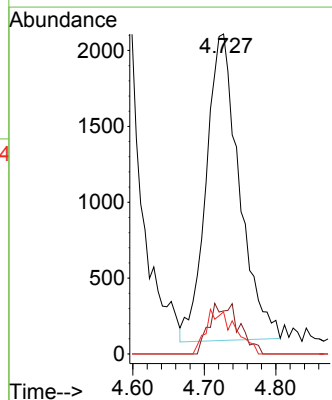
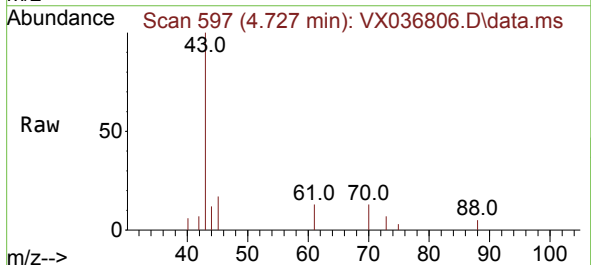
Instrument :
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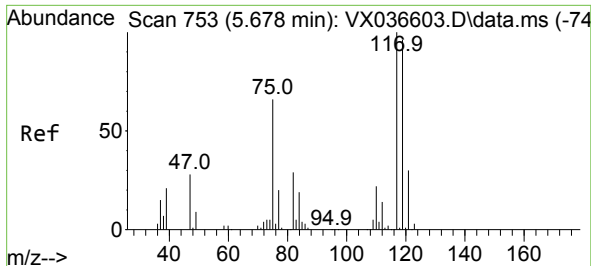
Tgt Ion: 75 Resp: 11966
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 2.166 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.012 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

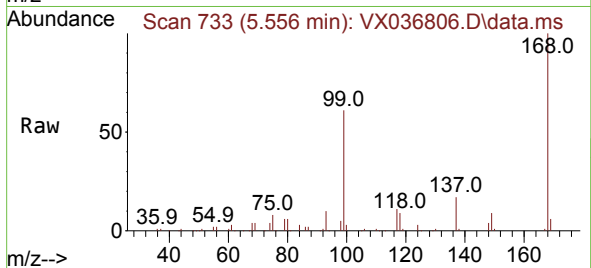
Tgt Ion: 43 Resp: 6495
Ion Ratio Lower Upper
43 100
61 14.8 10.6 16.0
70 12.7 8.3 12.5#



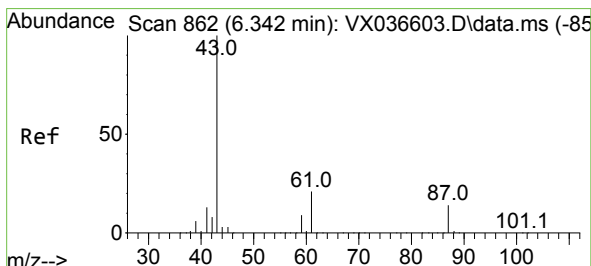
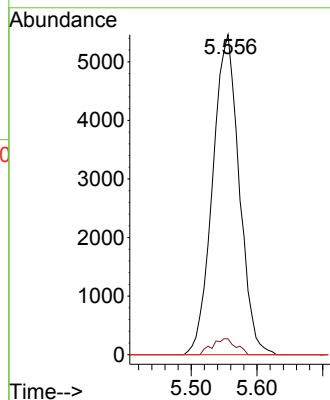
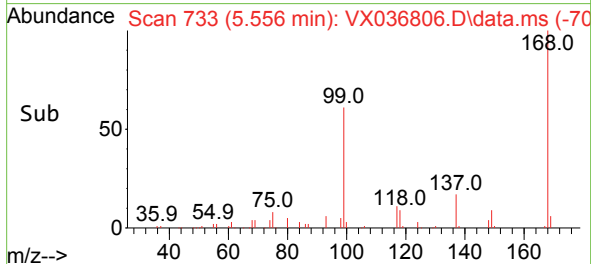


#38
Carbon Tetrachloride
Concen: 5.467 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

Instrument :
MSVOA_X
ClientSampleId :
ZHC#04

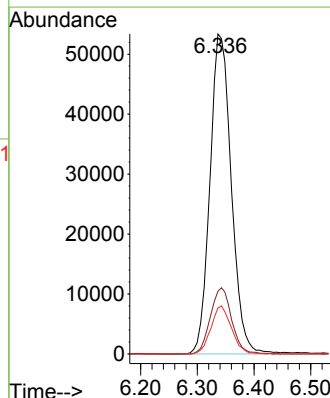
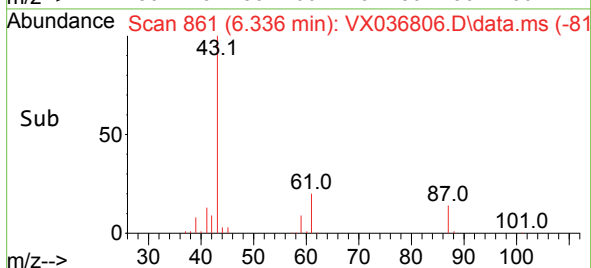
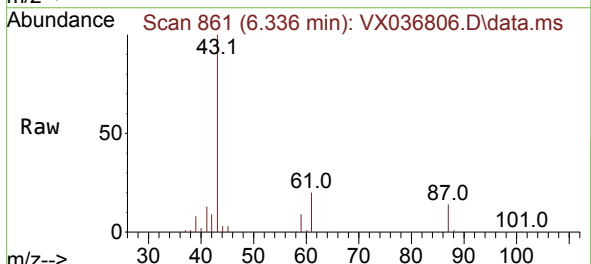


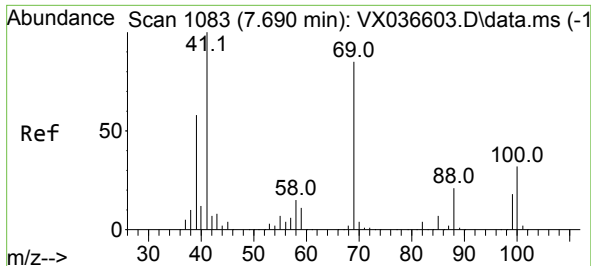
Tgt Ion:117 Resp: 15400
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 27.048 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

Tgt Ion: 43 Resp: 139631
Ion Ratio Lower Upper
43 100
61 20.5 15.2 22.8
87 14.4 9.8 14.6

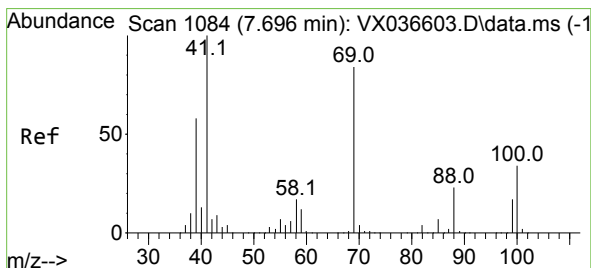
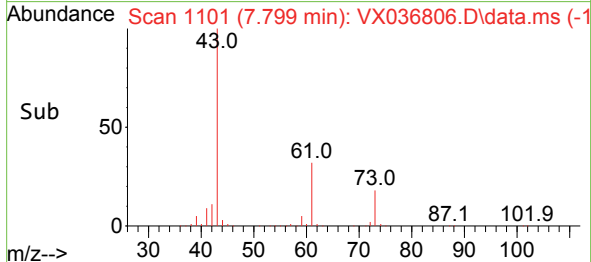
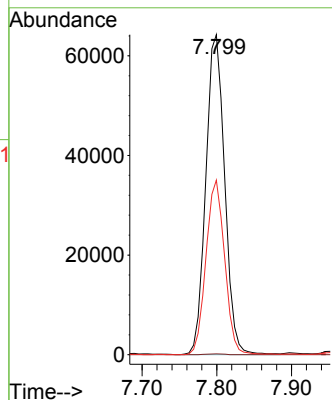
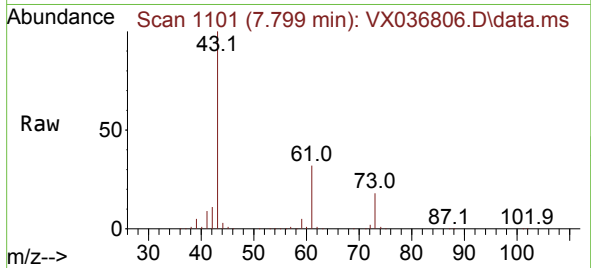




#48
Methyl methacrylate
Concen: 47.019 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

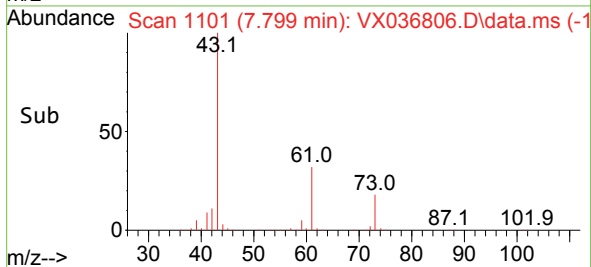
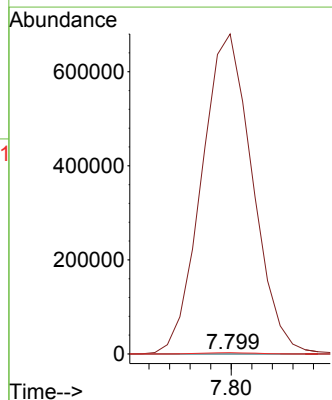
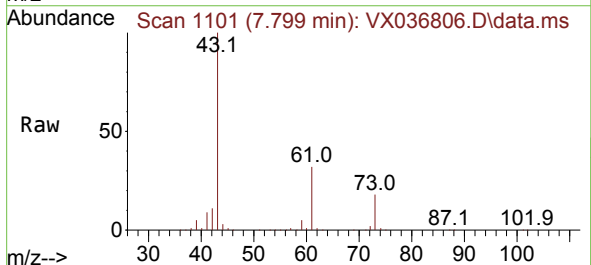
Instrument :
MSVOA_X
ClientSampleId :
ZHC#04

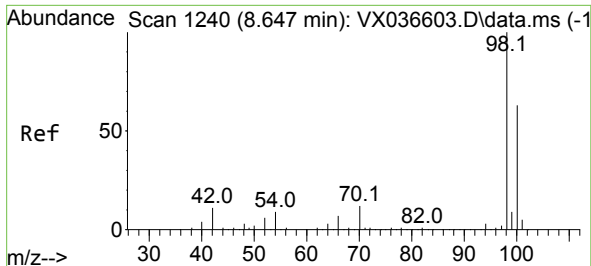
Tgt Ion: 41 Resp: 112881
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 54.1 47.7 71.5



#49
1,4-Dioxane
Concen: 4.206 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

Tgt Ion: 88 Resp: 204
Ion Ratio Lower Upper
88 100
43 576617.6 0.0 0.0#
58 2407.4 60.1 90.1#

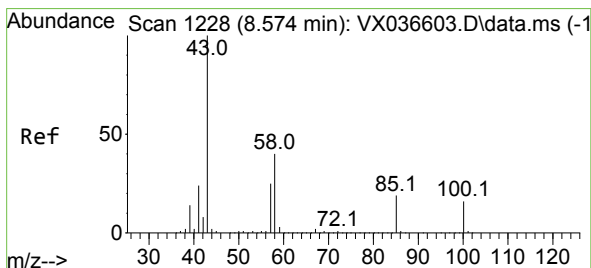
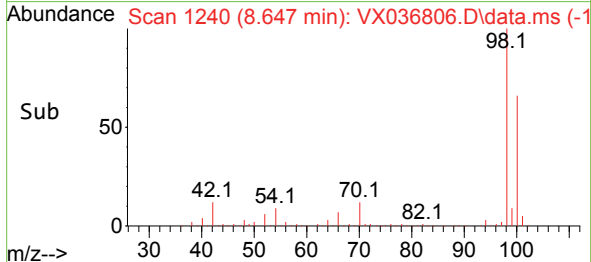
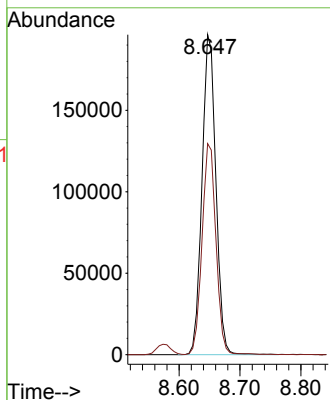
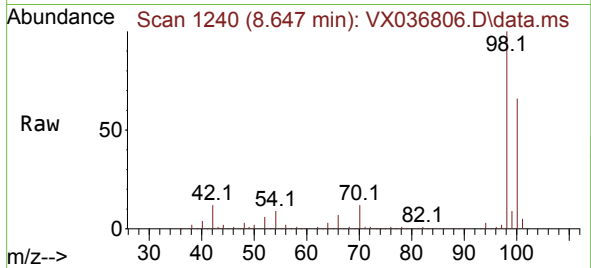




#50
Toluene-d8
Concen: 49.167 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

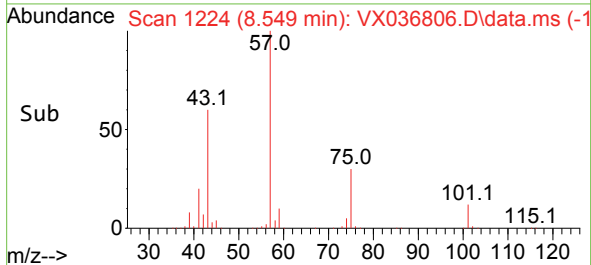
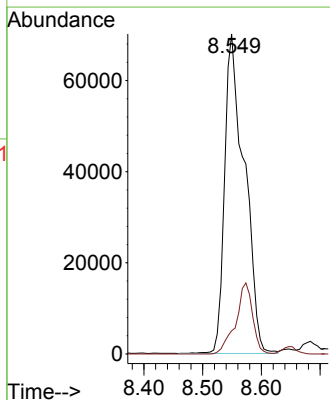
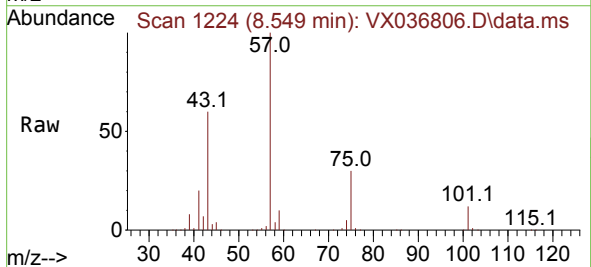
Instrument :
MSVOA_X
ClientSampleId :
ZHC#04

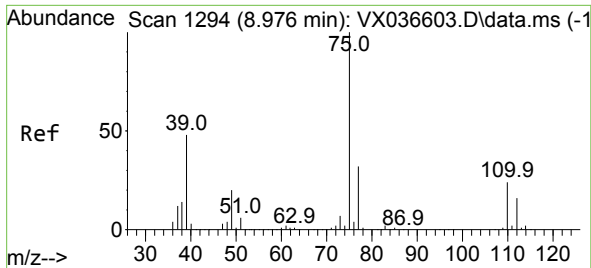
Tgt Ion: 98 Resp: 309950
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 57.291 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

Tgt Ion: 43 Resp: 163668
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

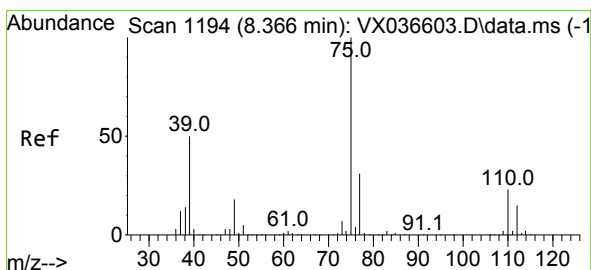
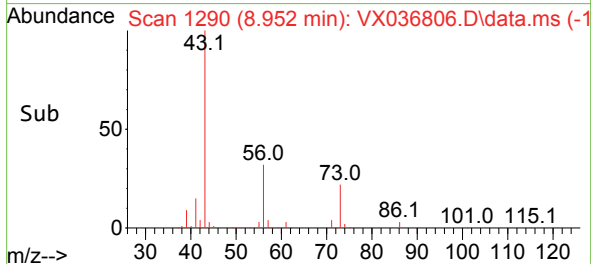
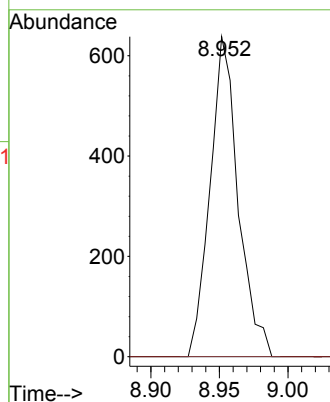
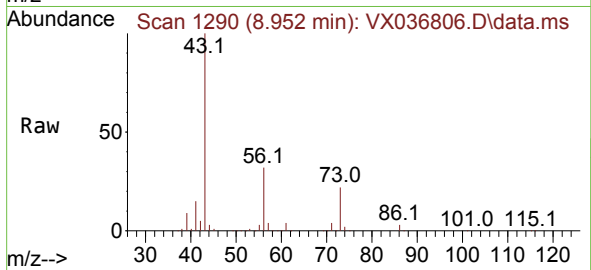




#53
 t-1,3-Dichloropropene
 Concen: 0.272 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX036806.D
 Acq: 04 Aug 2023 13:31

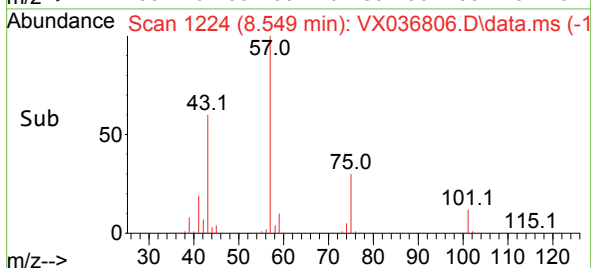
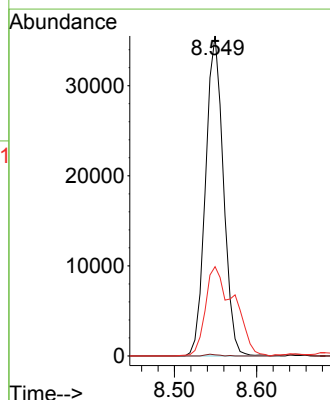
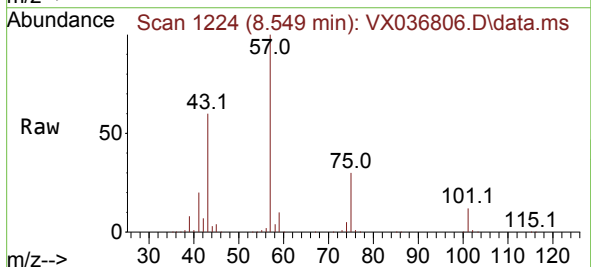
Instrument :
 MSVOA_X
 ClientSampleId :
 ZHC#04

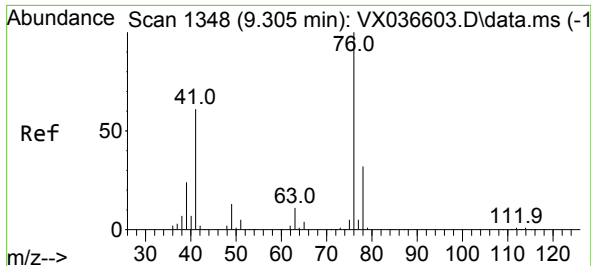
Tgt Ion: 75 Resp: 910
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 15.199 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036806.D
 Acq: 04 Aug 2023 13:31

Tgt Ion: 75 Resp: 53598
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 27.7 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.968 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX036806.D

Acq: 04 Aug 2023 13:31

Instrument :

MSVOA_X

ClientSampleId :

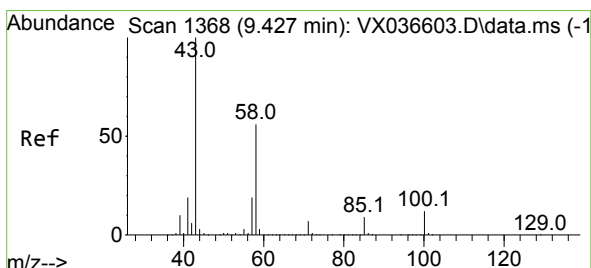
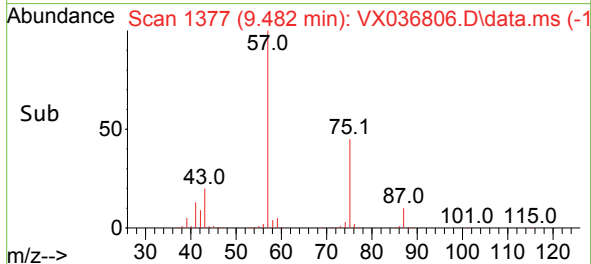
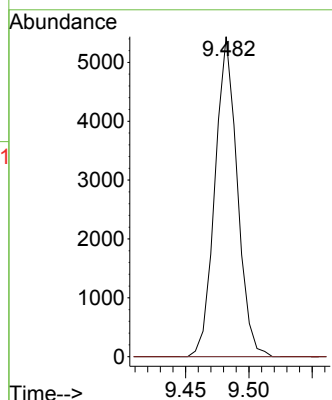
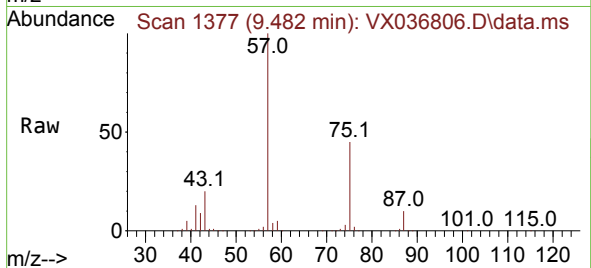
ZHC#04

Tgt Ion: 76 Resp: 6654

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 58.579 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX036806.D

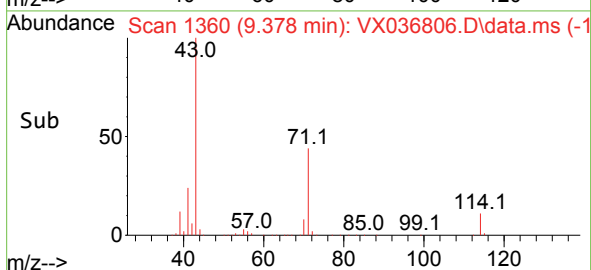
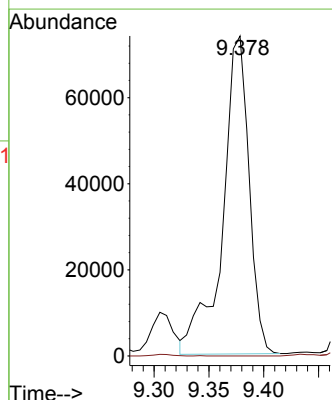
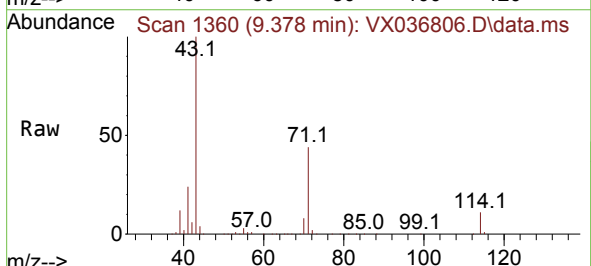
Acq: 04 Aug 2023 13:31

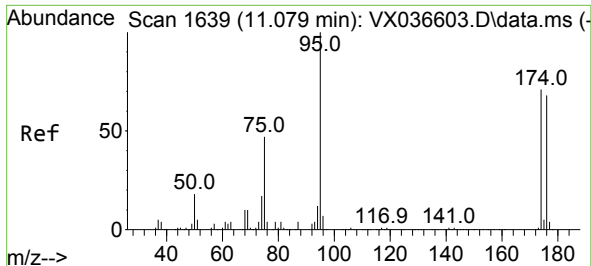
Tgt Ion: 43 Resp: 124200

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

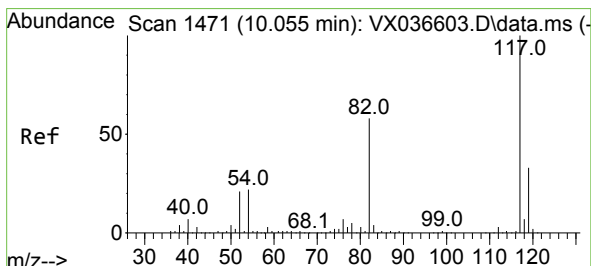
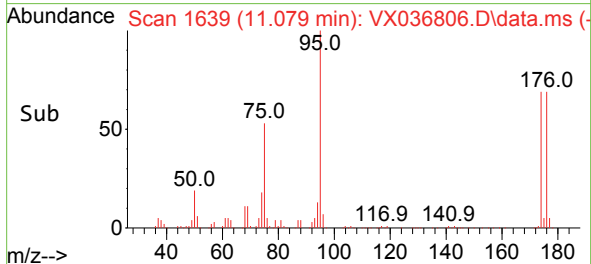
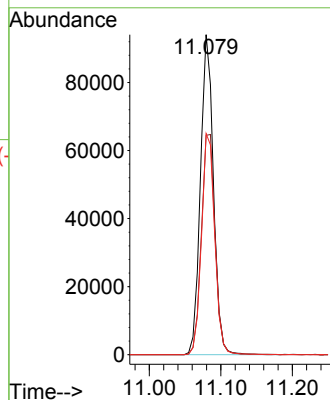
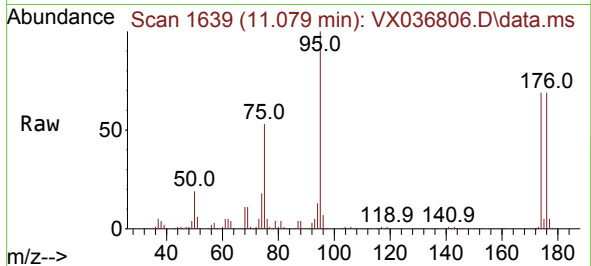




#62
4-Bromofluorobenzene
Concen: 49.734 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

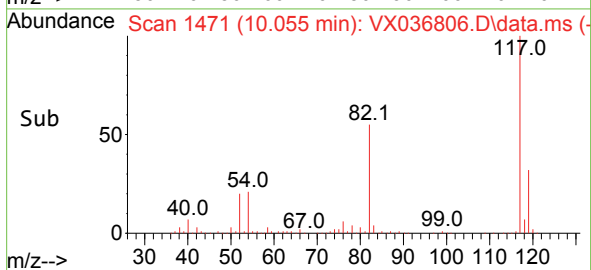
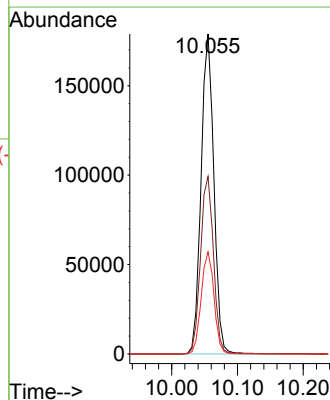
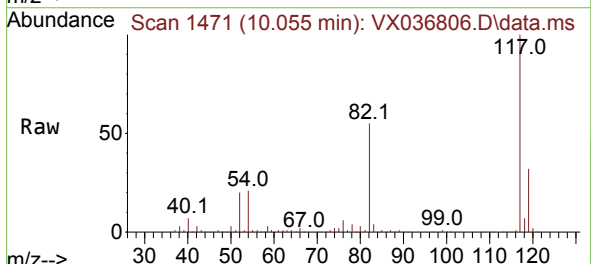
Instrument :
MSVOA_X
ClientSampleId :
ZHC#04

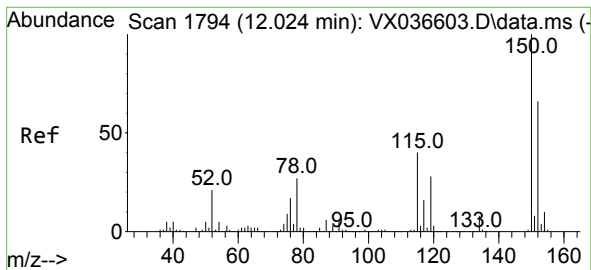
Tgt Ion: 95 Resp: 118288
Ion Ratio Lower Upper
95 100
174 73.1 0.0 135.6
176 70.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

Tgt Ion: 117 Resp: 241026
Ion Ratio Lower Upper
117 100
82 55.4 46.2 69.4
119 31.9 25.5 38.3

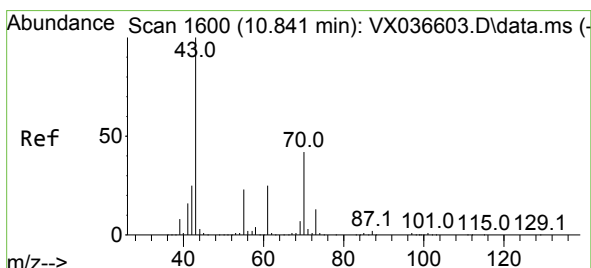
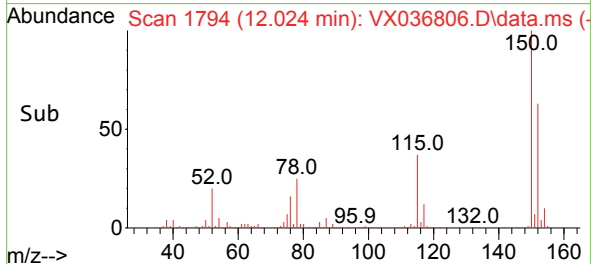
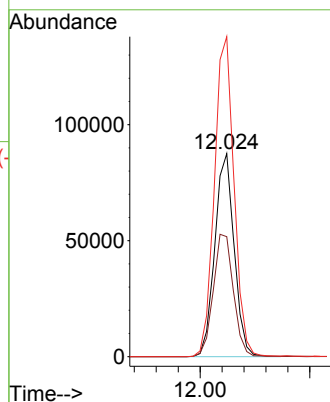
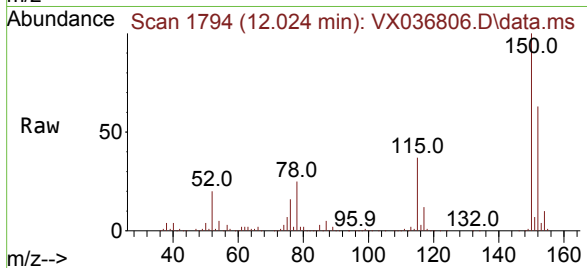




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

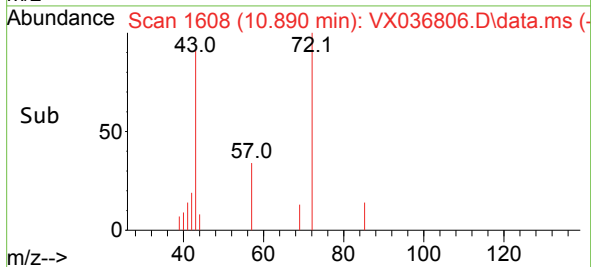
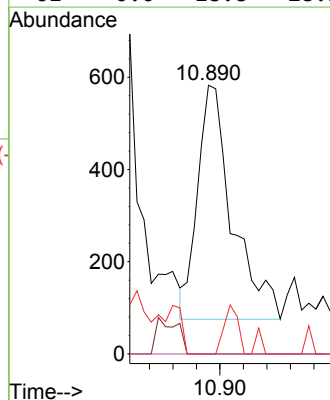
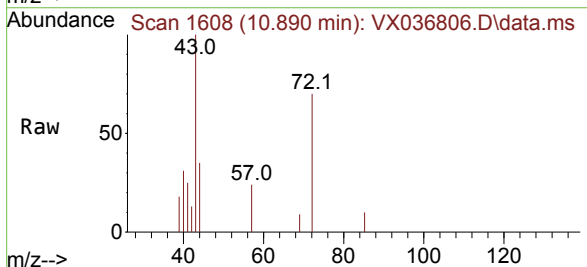
Instrument :
MSVOA_X
ClientSampleId :
ZHC#04

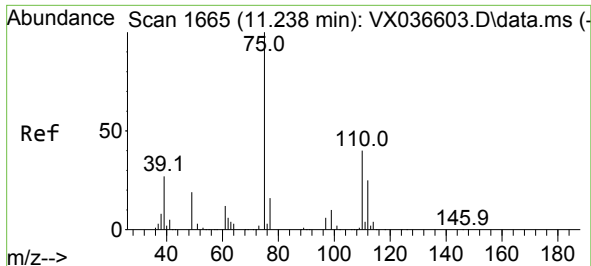
Tgt Ion:152 Resp: 107292
Ion Ratio Lower Upper
152 100
115 62.8 43.3 129.9
150 160.6 0.0 345.0



#74
N-ethyl acetate
Concen: 0.253 ug/l
RT: 10.890 min Scan# 1608
Delta R.T. 0.049 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

Tgt Ion: 43 Resp: 1047
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 8.3 19.3 28.9#
61 0.0 18.8 28.2#

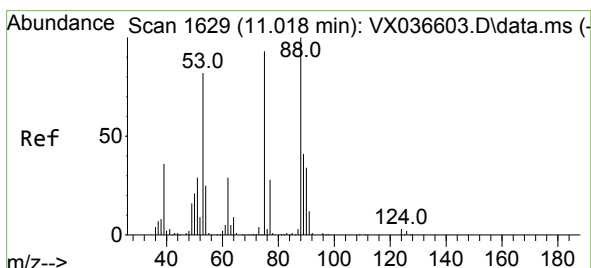
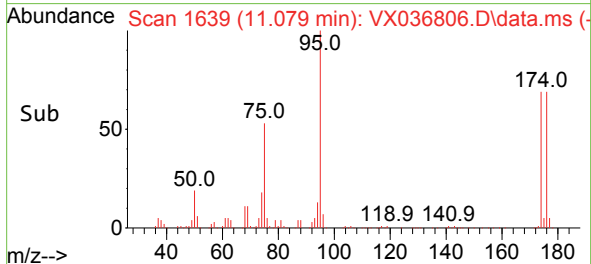
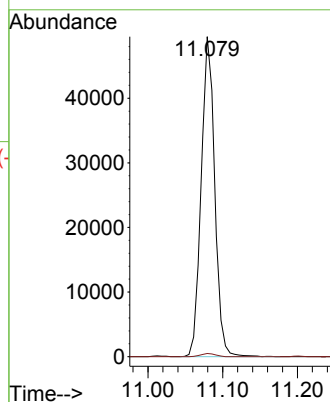
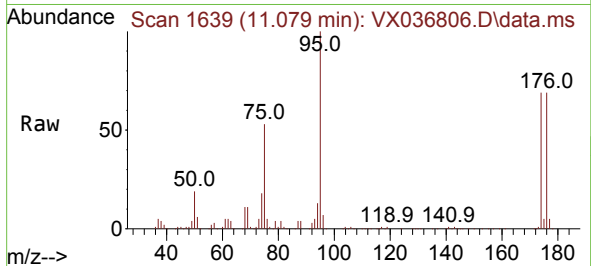




#76
1,2,3-Trichloropropane
Concen: 24.675 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

Instrument :
MSVOA_X
ClientSampleId :
ZHC#04

Tgt Ion: 75 Resp: 62270
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.927 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036806.D
Acq: 04 Aug 2023 13:31

Tgt Ion: 75 Resp: 62270
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

