

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080423\
 Data File : VX036808.D
 Acq On : 04 Aug 2023 14:19
 Operator : JC/MD
 Sample : ZHC#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ZHC#06

Quant Time: Aug 05 00:11:22 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

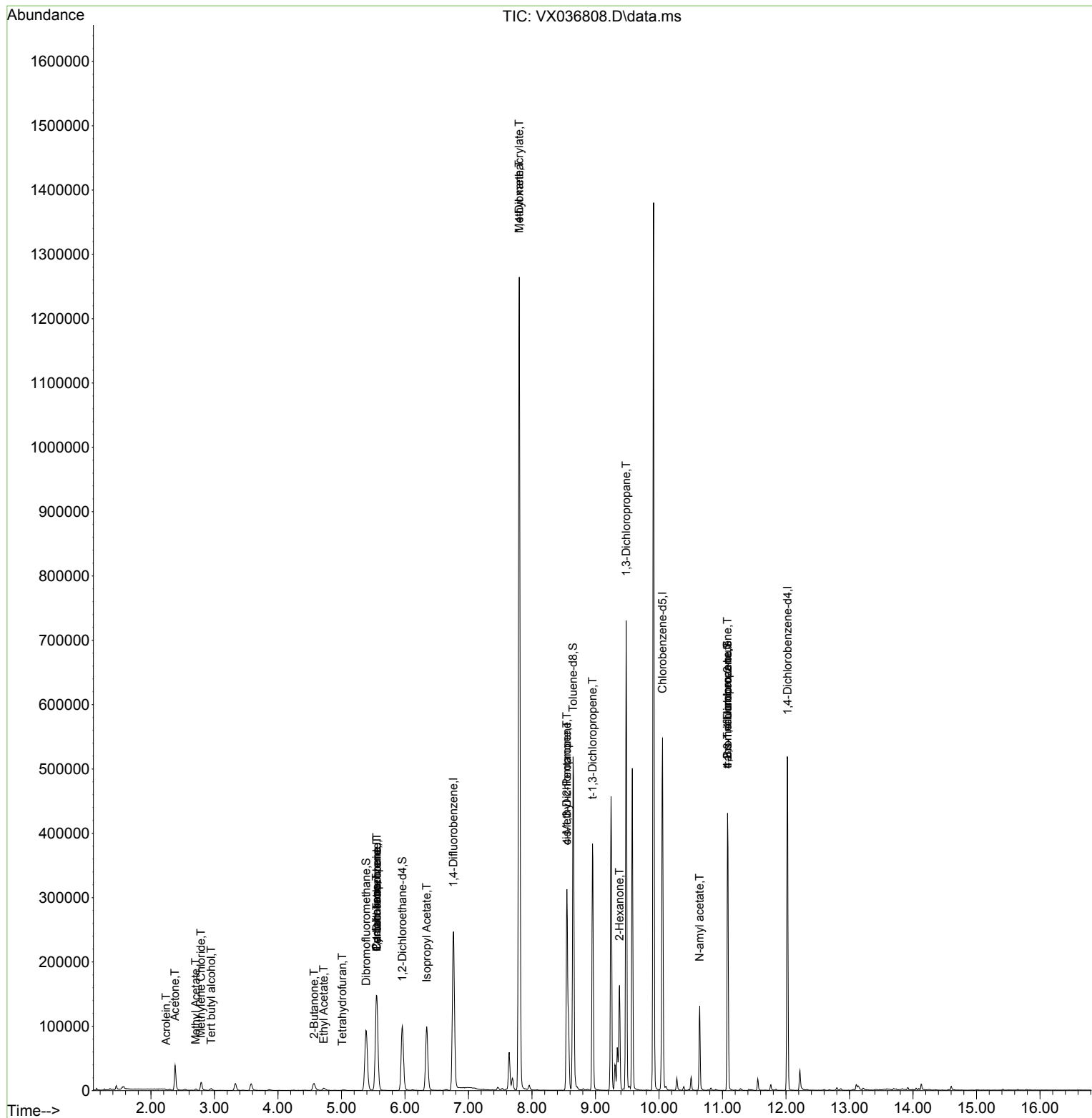
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	138073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	253013	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98221	48.077	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.160%
35) Dibromofluoromethane	5.385	113	83082	47.774	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.540%
50) Toluene-d8	8.647	98	306854	49.756	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.520%
62) 4-Bromofluorobenzene	11.079	95	116818	50.206	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.420%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	2091	4.323	ug/l #	78
13) Acrolein	2.240	56	193	0.699	ug/l #	41
16) Acetone	2.380	43	41695	49.182	ug/l #	88
18) Methyl Acetate	2.703	43	2617	0.734	ug/l	99
20) Methylene Chloride	2.788	84	6622	3.512	ug/l	95
25) 2-Butanone	4.568	43	18097	13.157	ug/l #	89
29) Tetrahydrofuran	5.013	42	507	0.572	ug/l #	34
31) Cyclohexane	5.550	56	3141	1.110	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11296	4.358	ug/l #	51
37) Ethyl Acetate	4.721	43	6618	2.256	ug/l	99
38) Carbon Tetrachloride	5.556	117	14724	5.343	ug/l #	14
43) Isopropyl Acetate	6.342	43	135425	26.816	ug/l	96
48) Methyl methacrylate	7.799	41	107889	45.937	ug/l #	49
49) 1,4-Dioxane	7.799	88	210	4.426	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	156310	55.930	ug/l #	37
53) t-1,3-Dichloropropene	8.952	75	834	0.255	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	51170	14.833	ug/l #	55
57) 1,3-Dichloropropane	9.482	76	6540	1.977	ug/l #	42
59) 2-Hexanone	9.378	43	118724	57.239	ug/l #	26
74) N-amyl acetate	10.640	43	29427	7.222	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	60238	24.257	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	60238	54.980	ug/l #	5

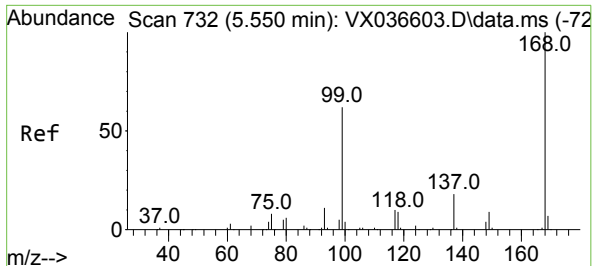
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
ZHC#06

Quant Time: Aug 05 00:11:22 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

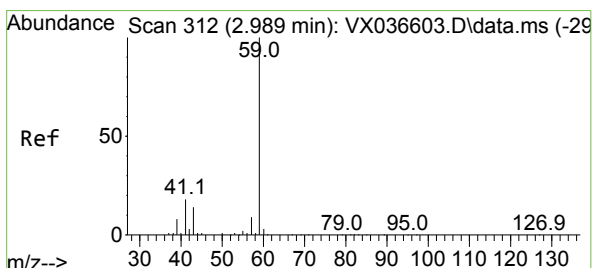
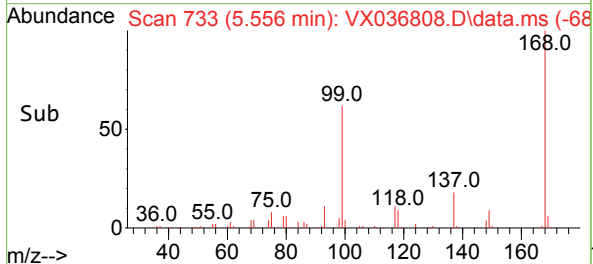
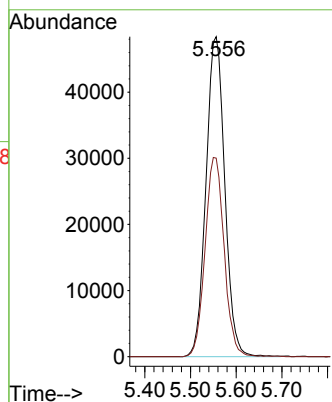
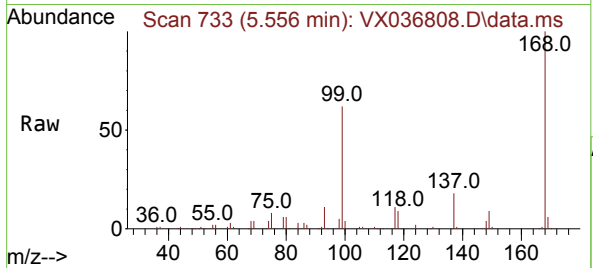




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036808.D
Acq: 04 Aug 2023 14:19

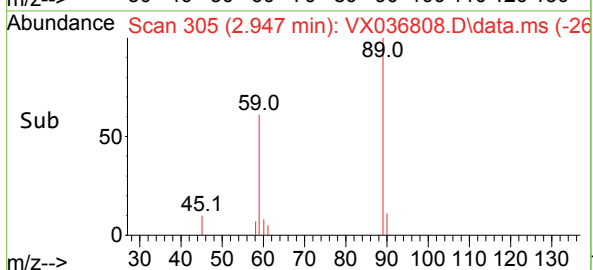
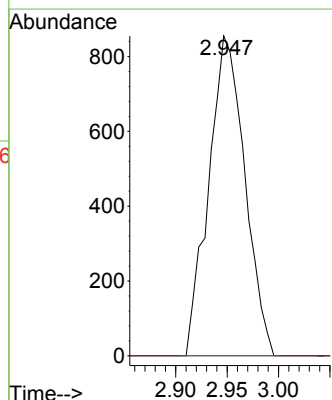
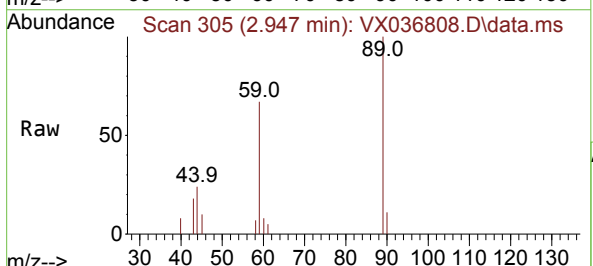
Instrument :
MSVOA_X
ClientSampleId :
ZHC#06

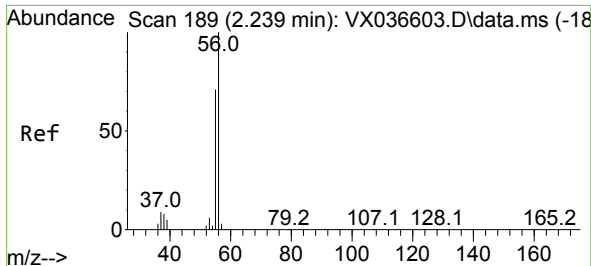
Tgt Ion:168 Resp: 138073
Ion Ratio Lower Upper
168 100
99 62.0 56.6 85.0



#11
Tert butyl alcohol
Concen: 4.323 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.043 min
Lab File: VX036808.D
Acq: 04 Aug 2023 14:19

Tgt Ion: 59 Resp: 2091
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.699 ug/l

RT: 2.240 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036808.D

Acq: 04 Aug 2023 14:19

Instrument :

MSVOA_X

ClientSampleId :

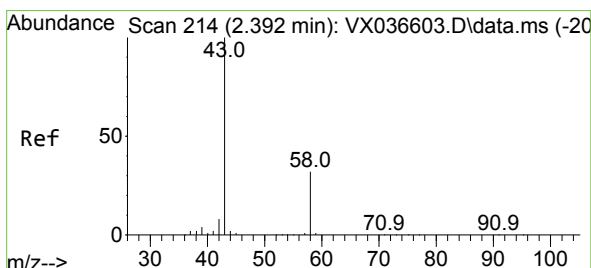
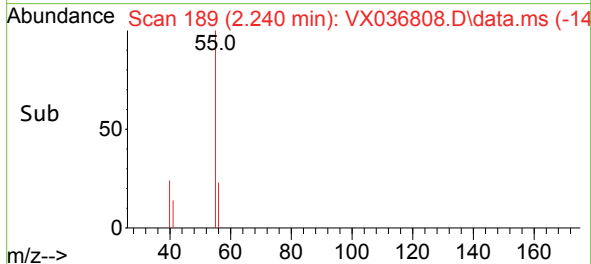
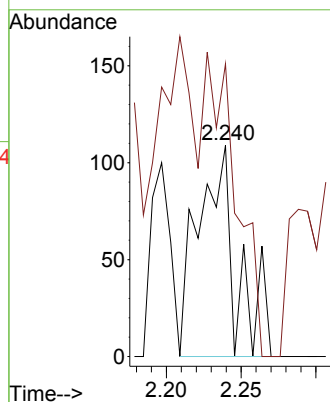
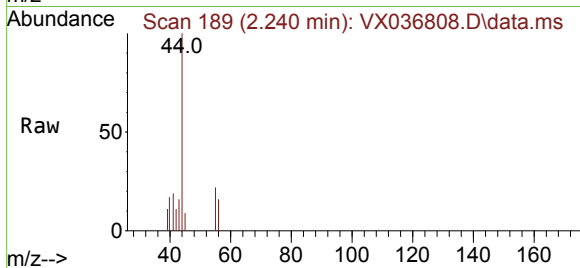
ZHC#06

Tgt Ion: 56 Resp: 193

Ion Ratio Lower Upper

56 100

55 120.7 57.1 85.7#



#16

Acetone

Concen: 49.182 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.012 min

Lab File: VX036808.D

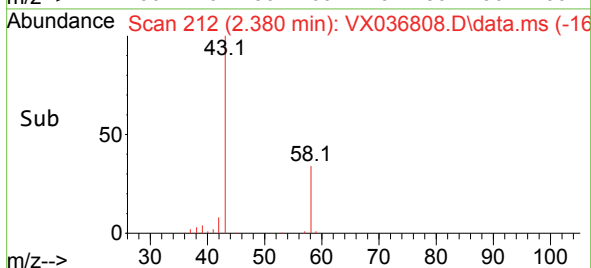
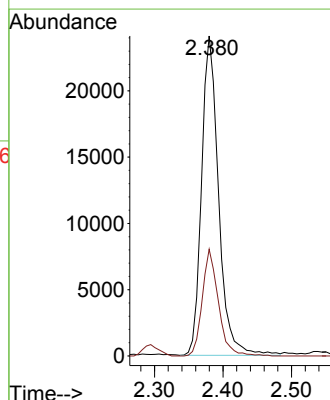
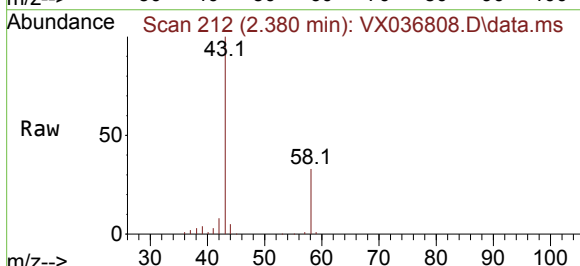
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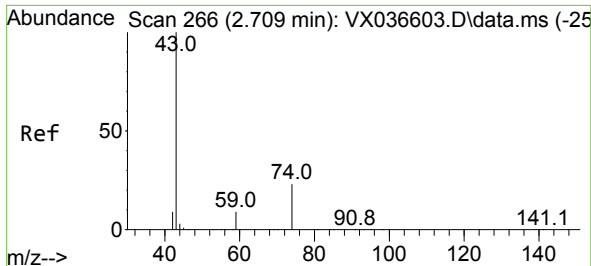
Tgt Ion: 43 Resp: 41695

Ion Ratio Lower Upper

43 100

58 33.4 21.9 32.9#

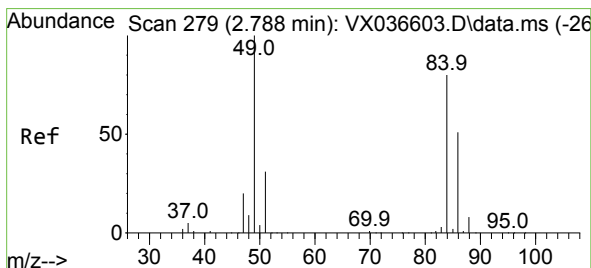
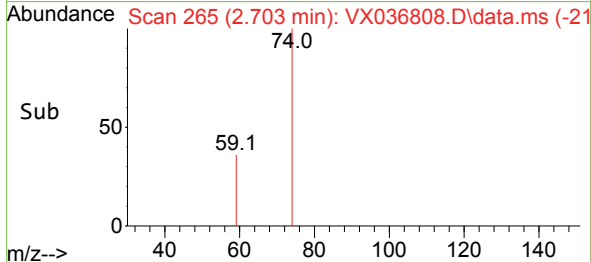
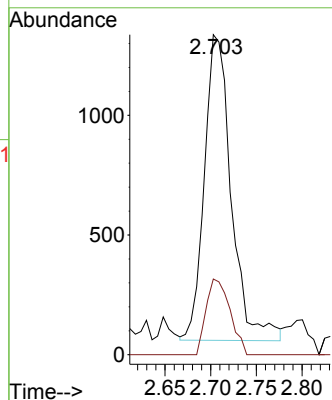
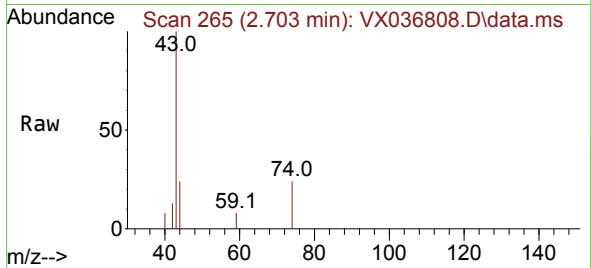




#18
Methyl Acetate
Concen: 0.734 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX036808.D
Acq: 04 Aug 2023 14:19

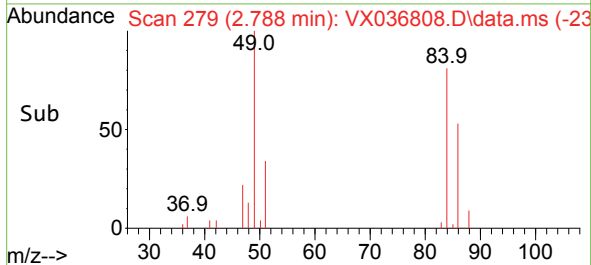
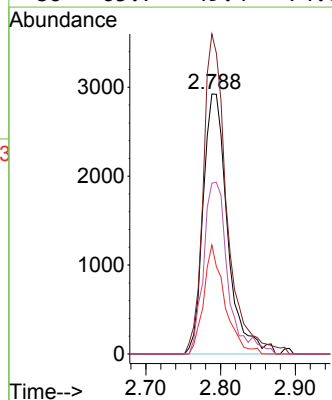
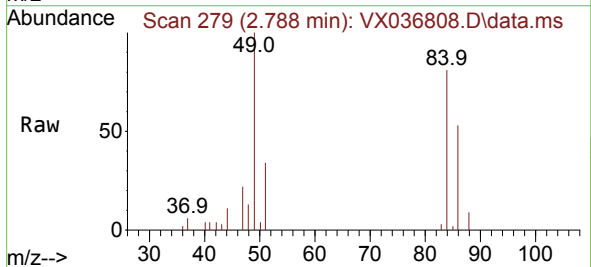
Instrument :
MSVOA_X
ClientSampleId :
ZHC#06

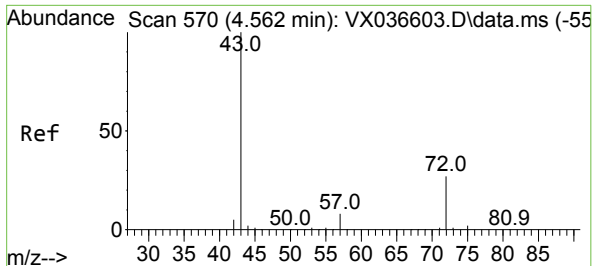
Tgt Ion: 43 Resp: 2617
Ion Ratio Lower Upper
43 100
74 21.9 17.8 26.8



#20
Methylene Chloride
Concen: 3.512 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036808.D
Acq: 04 Aug 2023 14:19

Tgt Ion: 84 Resp: 6622
Ion Ratio Lower Upper
84 100
49 123.1 103.6 155.4
51 41.9 33.8 50.6
86 65.7 49.4 74.0





#25

2-Butanone

Concen: 13.157 ug/l

RT: 4.568 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX036808.D

Acq: 04 Aug 2023 14:19

Instrument :

MSVOA_X

ClientSampleId :

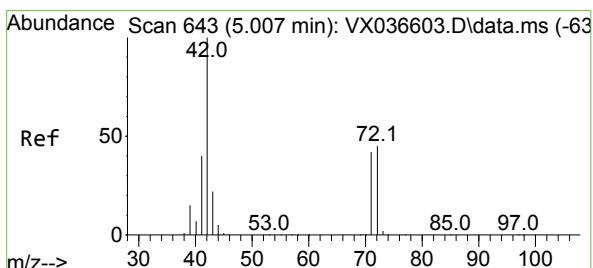
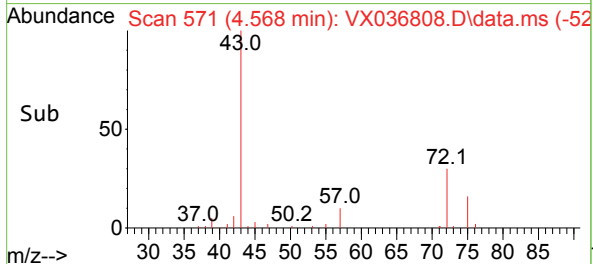
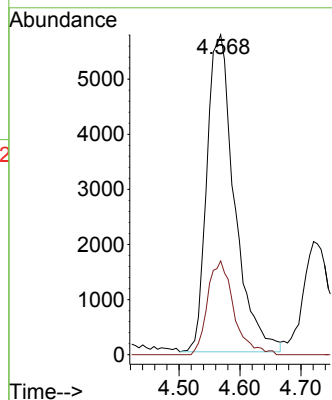
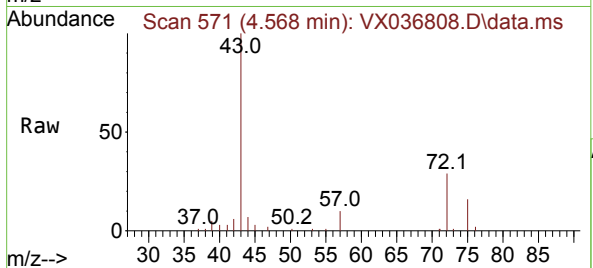
ZHC#06

Tgt Ion: 43 Resp: 18097

Ion Ratio Lower Upper

43 100

72 29.6 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.572 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX036808.D

Acq: 04 Aug 2023 14:19

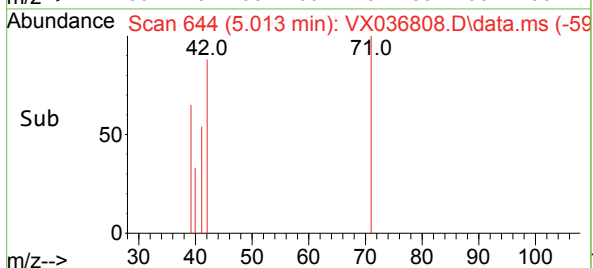
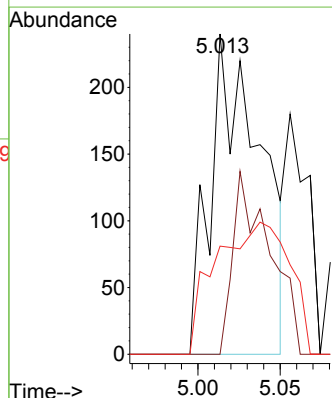
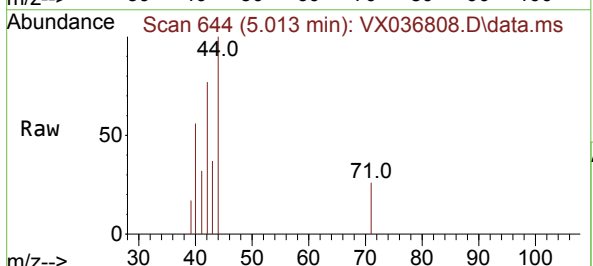
Tgt Ion: 42 Resp: 507

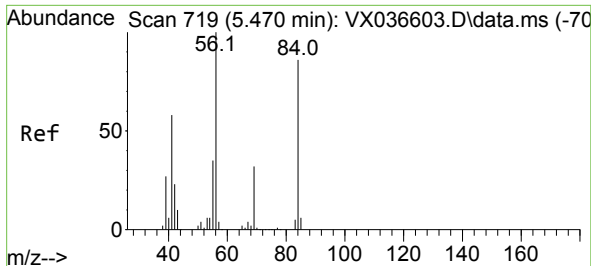
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#

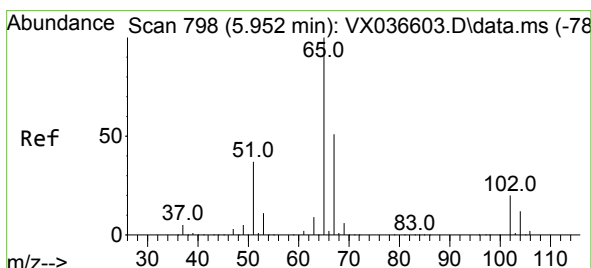
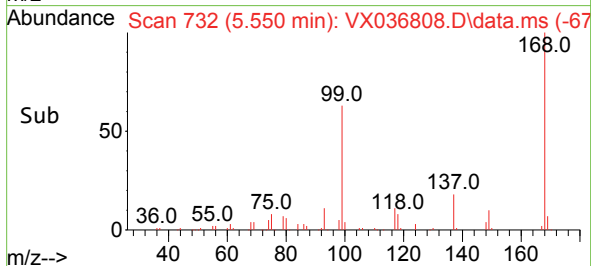
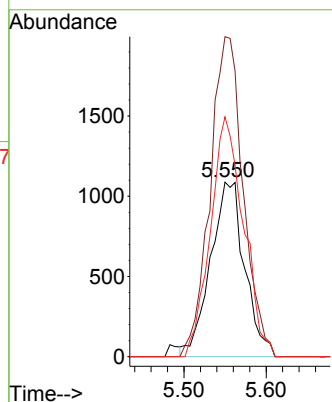
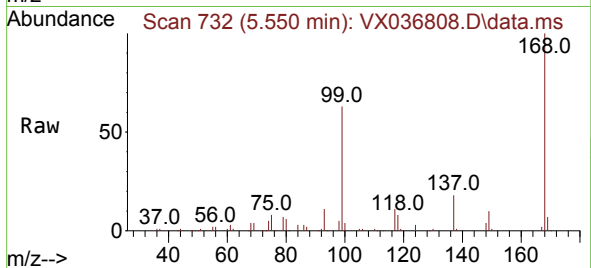




#31
Cyclohexane
Concen: 1.110 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036808.D
Acq: 04 Aug 2023 14:19

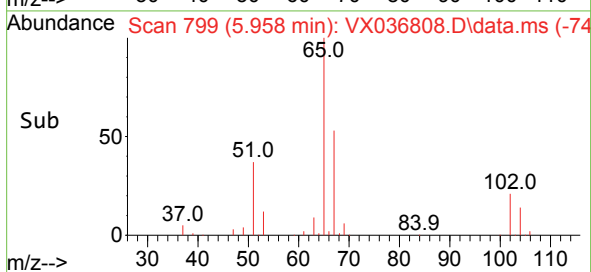
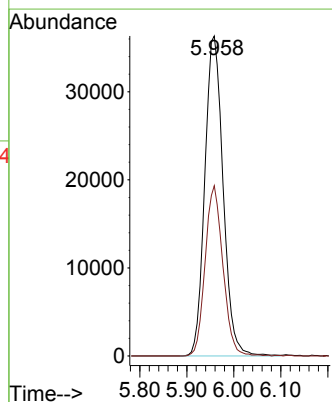
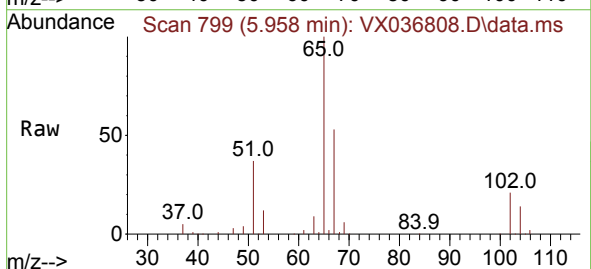
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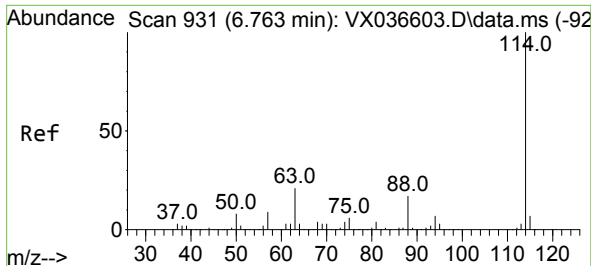
Tgt Ion: 56 Resp: 3141
Ion Ratio Lower Upper
56 100
69 183.4 23.4 35.2#
84 137.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 48.077 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036808.D
Acq: 04 Aug 2023 14:19

Tgt Ion: 65 Resp: 98221
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2

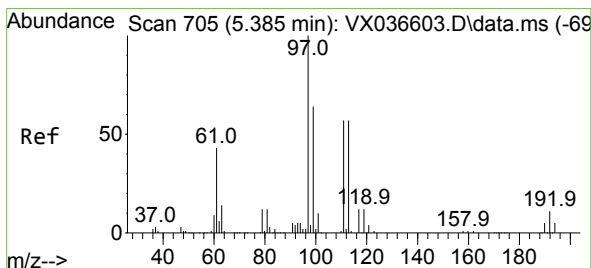
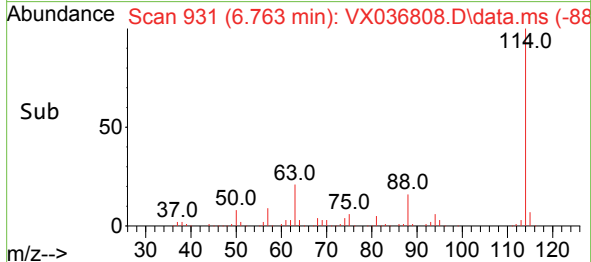
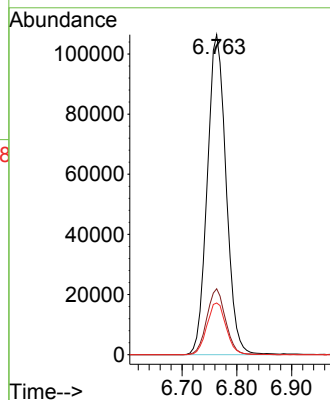
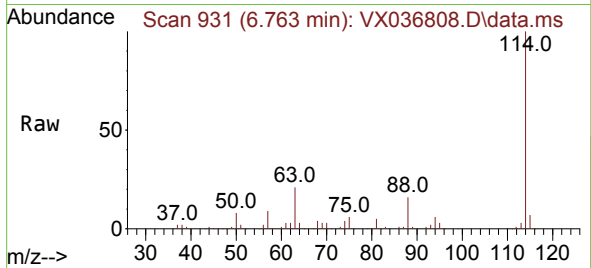




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036808.D
Acq: 04 Aug 2023 14:19

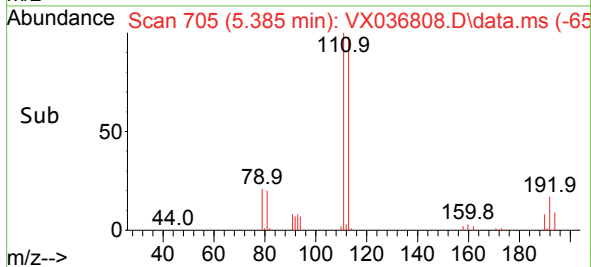
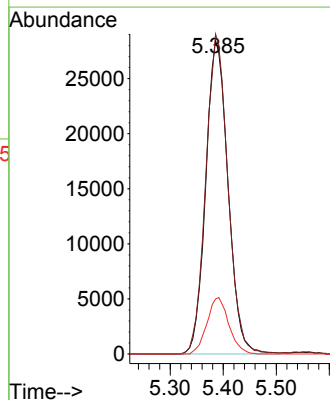
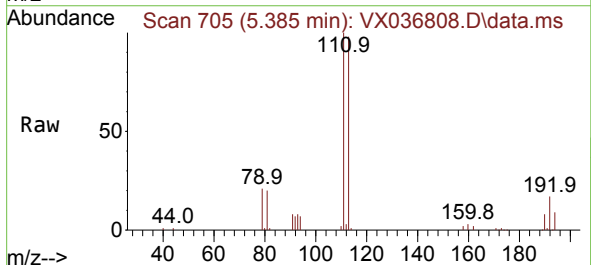
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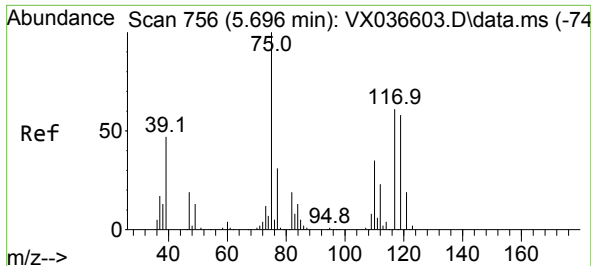
Tgt Ion:114 Resp: 253013
Ion Ratio Lower Upper
114 100
63 20.6 0.0 45.0
88 16.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.774 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036808.D
Acq: 04 Aug 2023 14:19

Tgt Ion:113 Resp: 83082
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 17.6 13.3 19.9

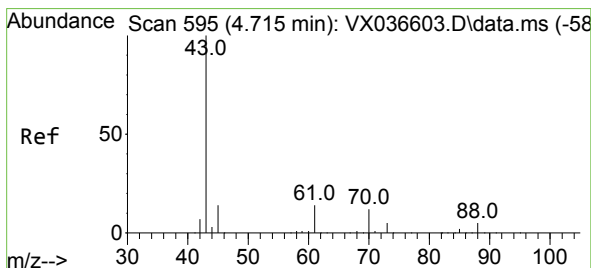
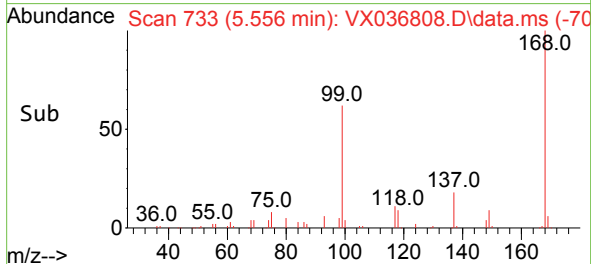
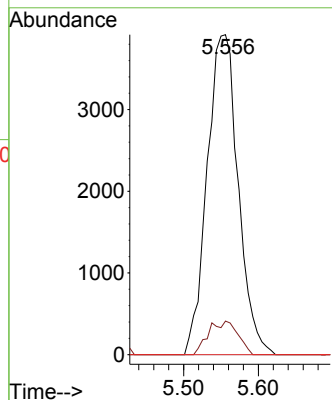
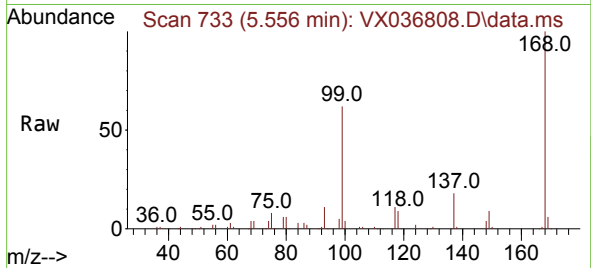




#36
 1,1-Dichloropropene
 Concen: 4.358 ug/l
 RT: 5.556 min Scan# 71
 Delta R.T. -0.140 min
 Lab File: VX036808.D
 Acq: 04 Aug 2023 14:19

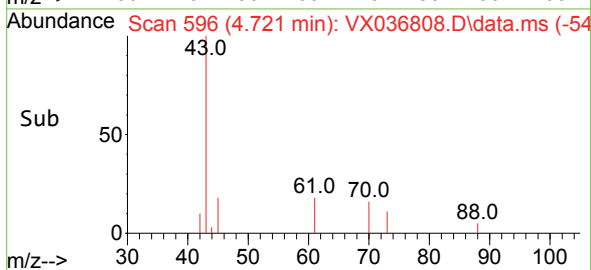
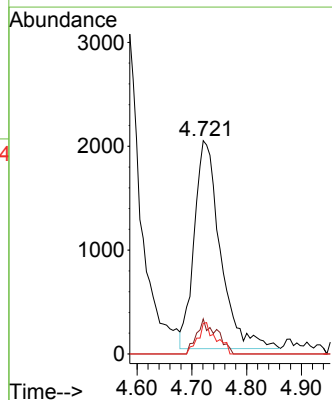
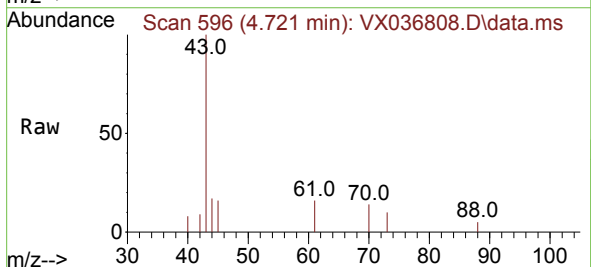
Instrument :
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 ClientSampleId :
 ZHC#06

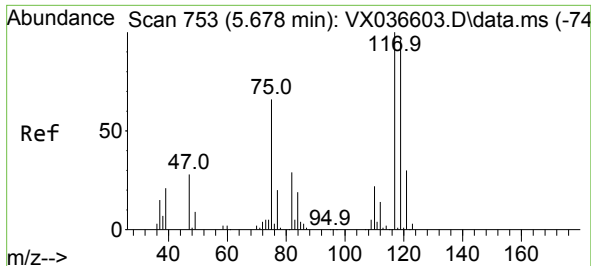
Tgt Ion: 75 Resp: 11296
 Ion Ratio Lower Upper
 75 100
 110 9.9 17.0 50.9#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 2.256 ug/l
 RT: 4.721 min Scan# 596
 Delta R.T. 0.006 min
 Lab File: VX036808.D
 Acq: 04 Aug 2023 14:19

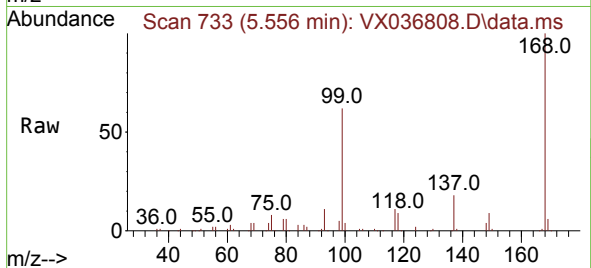
Tgt Ion: 43 Resp: 6618
 Ion Ratio Lower Upper
 43 100
 61 12.9 10.6 16.0
 70 10.4 8.3 12.5



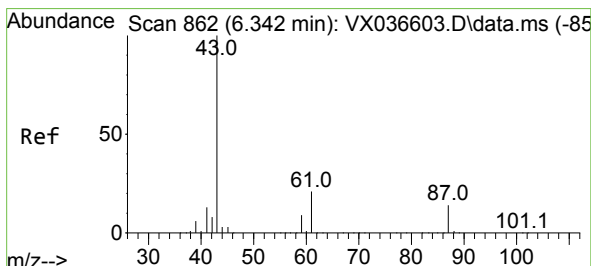
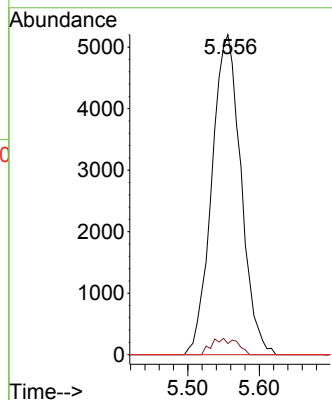
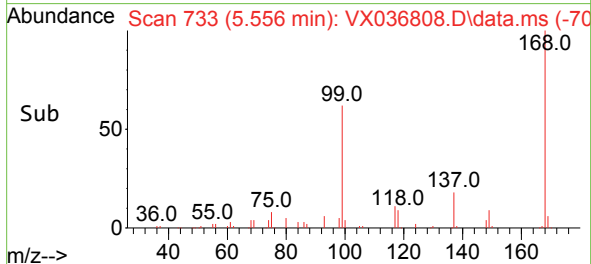


#38
Carbon Tetrachloride
Concen: 5.343 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX036808.D
Acq: 04 Aug 2023 14:19

Instrument :
MSVOA_X
ClientSampleId :
ZHC#06

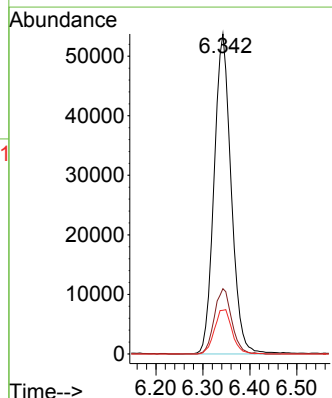
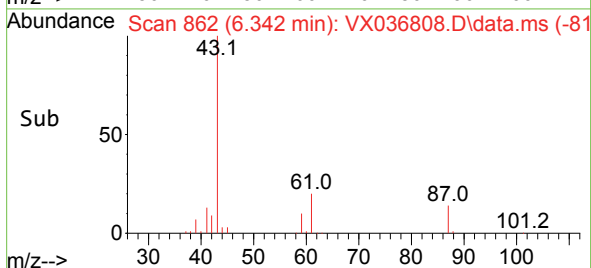
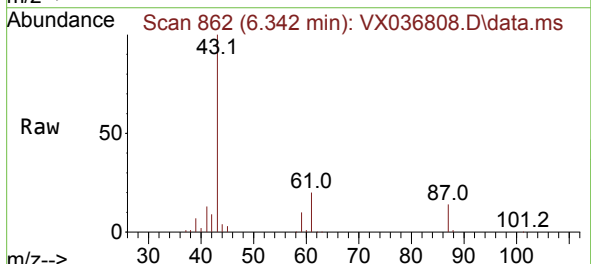


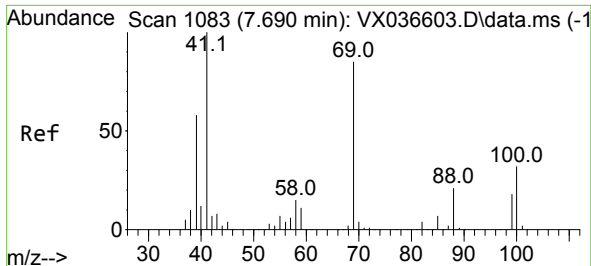
Tgt Ion:117 Resp: 14724
Ion Ratio Lower Upper
117 100
119 3.5 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 26.816 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036808.D
Acq: 04 Aug 2023 14:19

Tgt Ion: 43 Resp: 135425
Ion Ratio Lower Upper
43 100
61 20.8 15.2 22.8
87 14.3 9.8 14.6

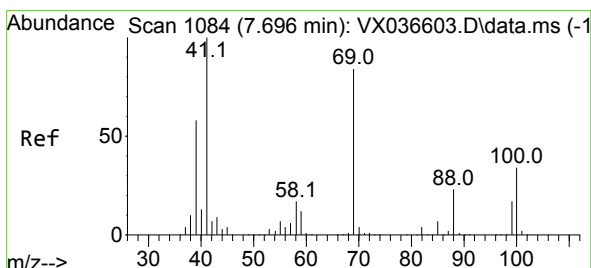
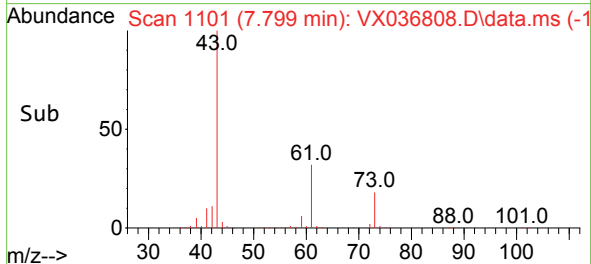
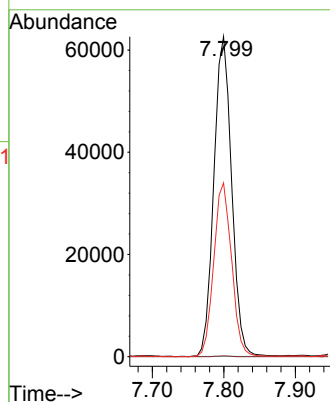
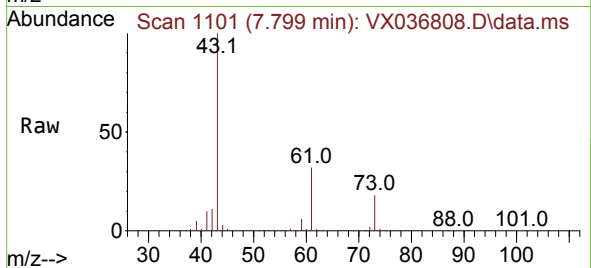




#48
Methyl methacrylate
Concen: 45.937 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036808.D
Acq: 04 Aug 2023 14:19

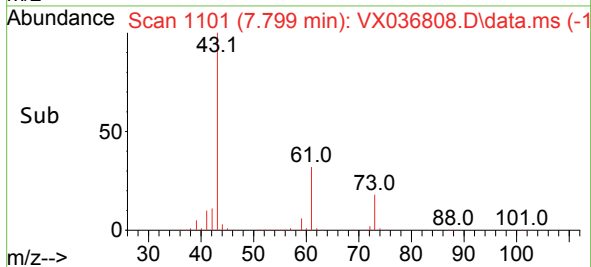
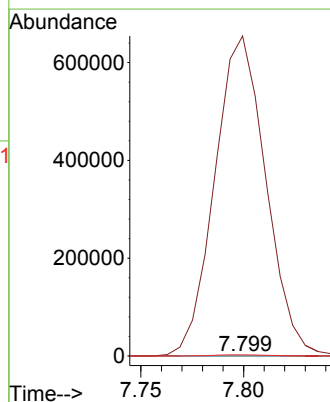
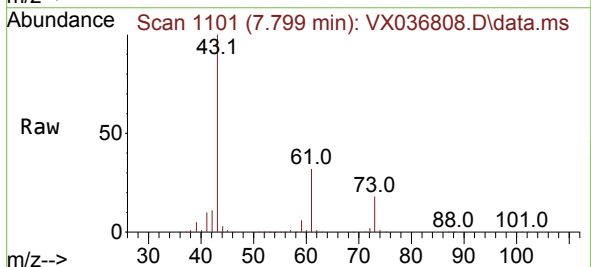
Instrument :
MSVOA_X
ClientSampleId :
ZHC#06

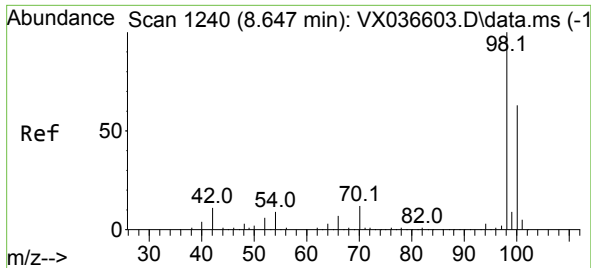
Tgt Ion: 41 Resp: 107889
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 54.5 47.7 71.5



#49
1,4-Dioxane
Concen: 4.426 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX036808.D
Acq: 04 Aug 2023 14:19

Tgt Ion: 88 Resp: 210
Ion Ratio Lower Upper
88 100
43 543249.0 0.0 0.0#
58 2090.5 60.1 90.1#

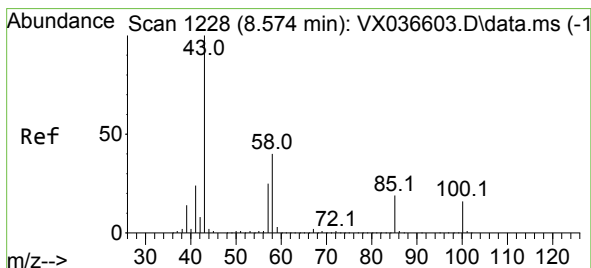
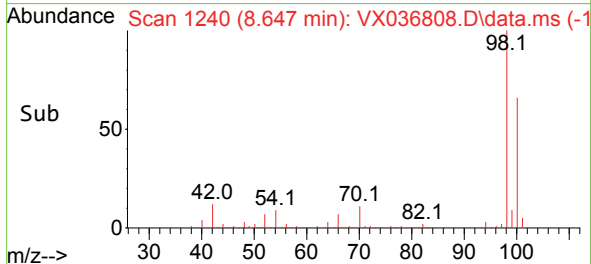
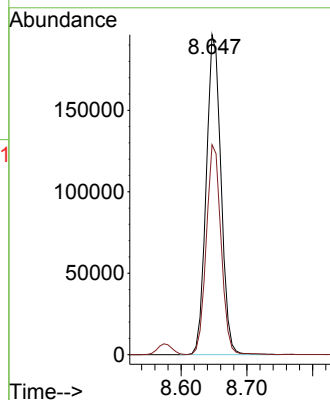
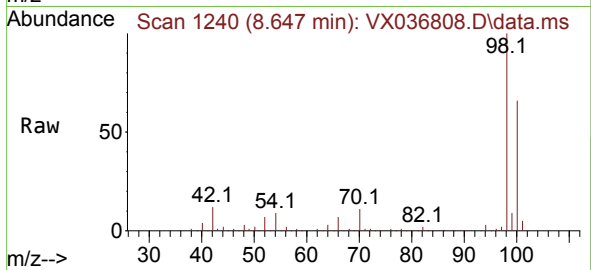




#50
Toluene-d8
Concen: 49.756 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036808.D
Acq: 04 Aug 2023 14:19

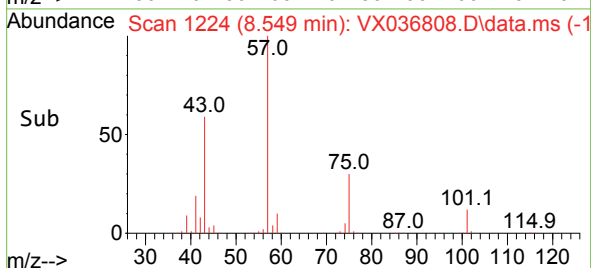
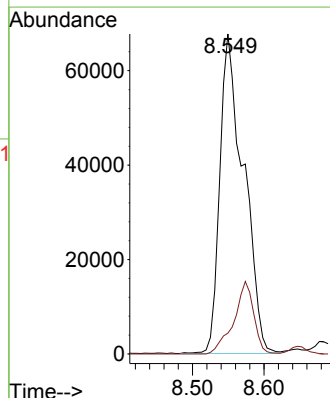
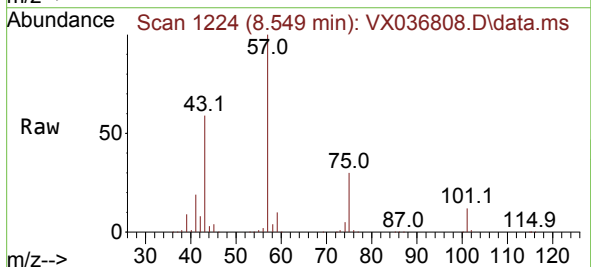
Instrument :
MSVOA_X
ClientSampleId :
ZHC#06

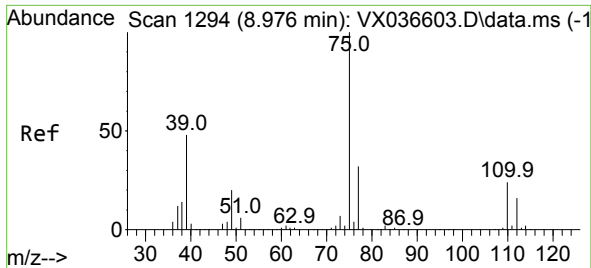
Tgt Ion: 98 Resp: 306854
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 55.930 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX036808.D
Acq: 04 Aug 2023 14:19

Tgt Ion: 43 Resp: 156310
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

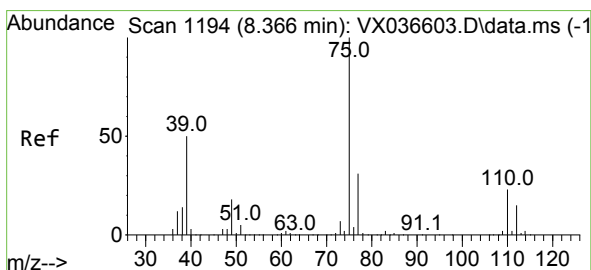
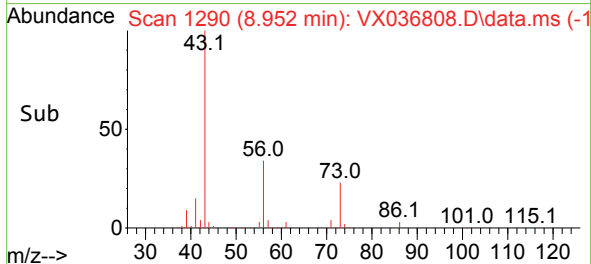
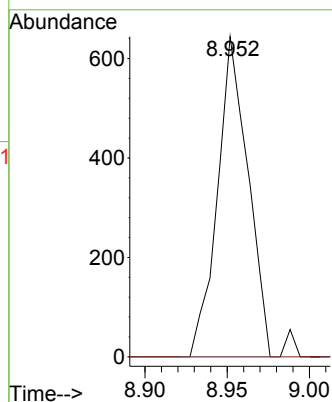
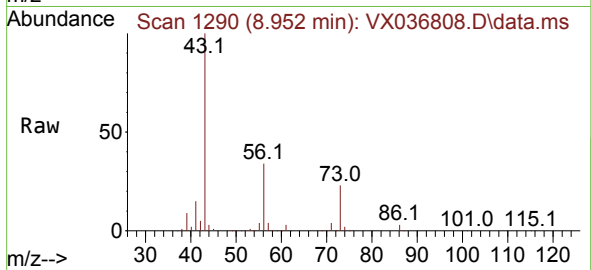




#53
 t-1,3-Dichloropropene
 Concen: 0.255 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX036808.D
 Acq: 04 Aug 2023 14:19

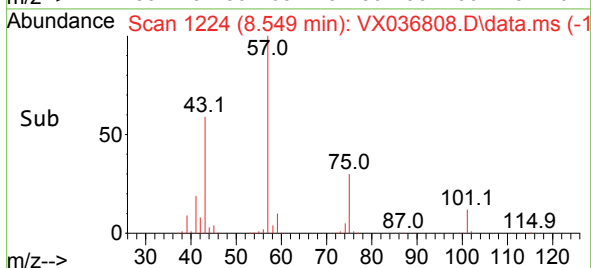
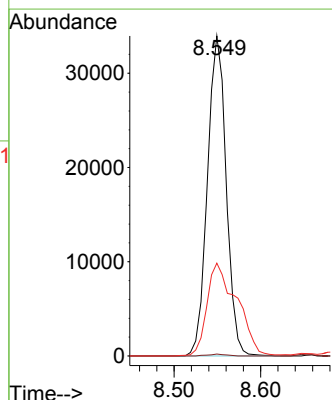
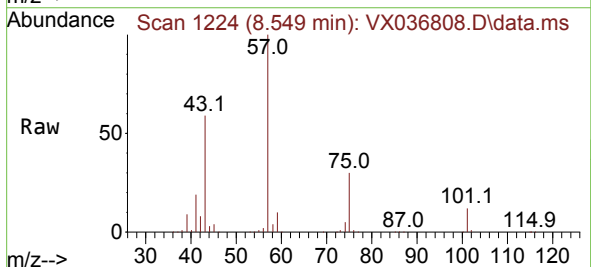
Instrument :
 MSVOA_X
 ClientSampleId :
 ZHC#06

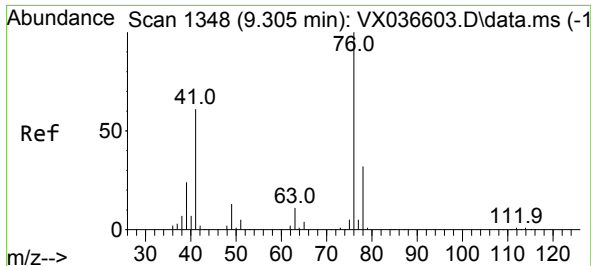
Tgt Ion: 75 Resp: 834
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 14.833 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036808.D
 Acq: 04 Aug 2023 14:19

Tgt Ion: 75 Resp: 51170
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 28.8 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.977 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX036808.D

Acq: 04 Aug 2023 14:19

Instrument :

MSVOA_X

ClientSampleId :

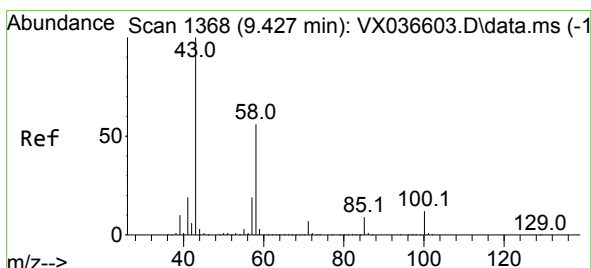
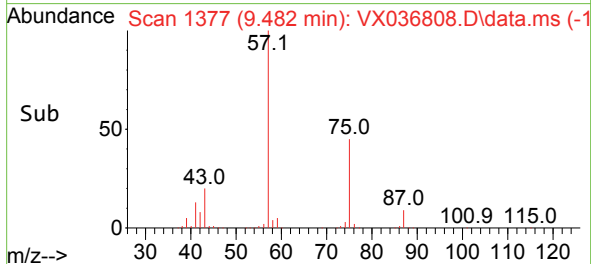
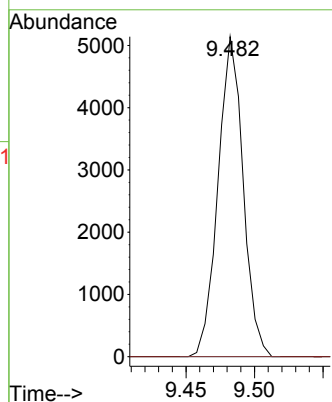
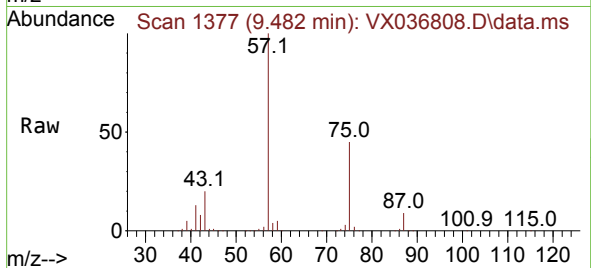
ZHC#06

Tgt Ion: 76 Resp: 6540

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 57.239 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX036808.D

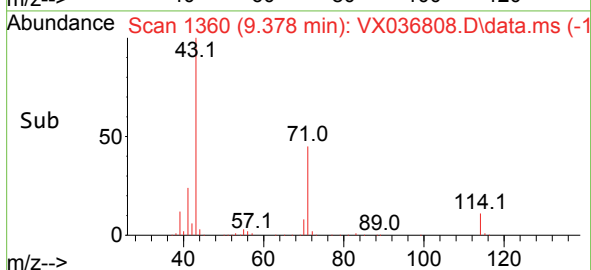
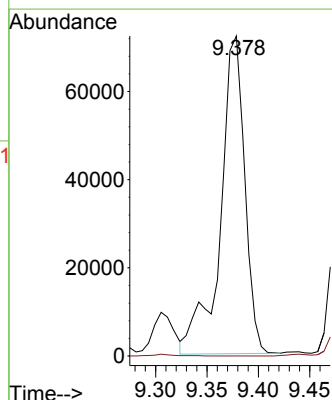
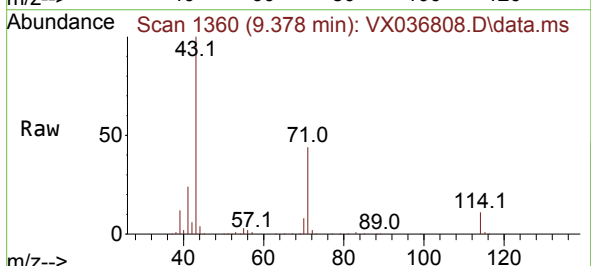
Acq: 04 Aug 2023 14:19

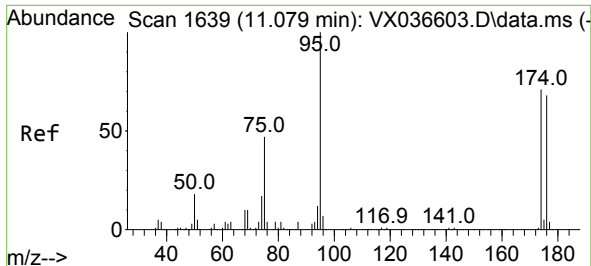
Tgt Ion: 43 Resp: 118724

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

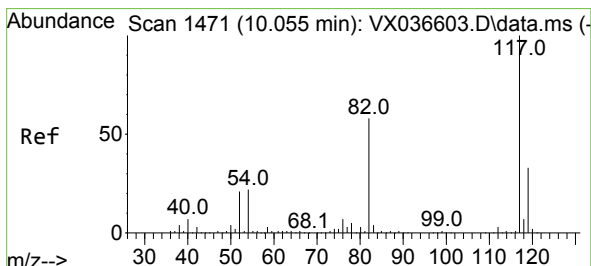
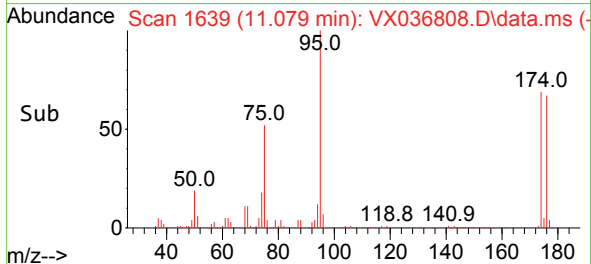
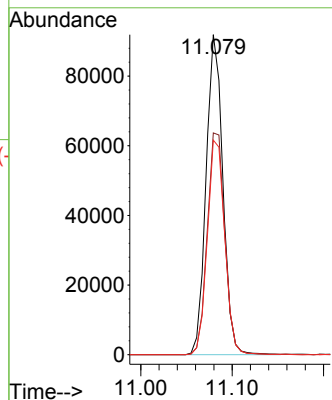
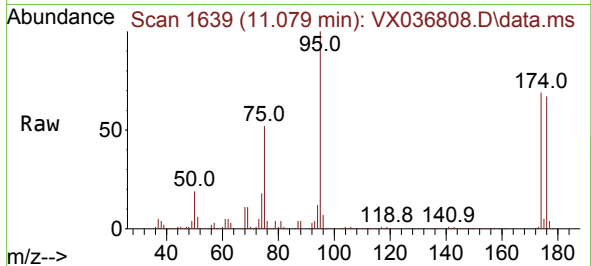




#62
4-Bromofluorobenzene
Concen: 50.206 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036808.D
Acq: 04 Aug 2023 14:19

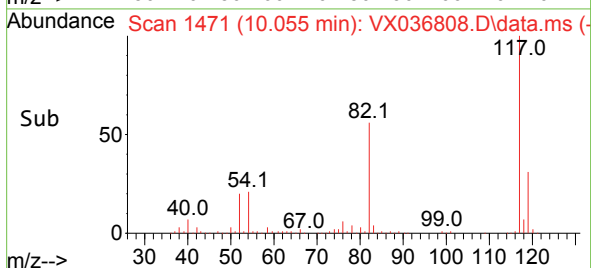
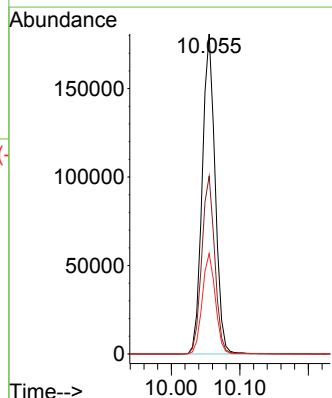
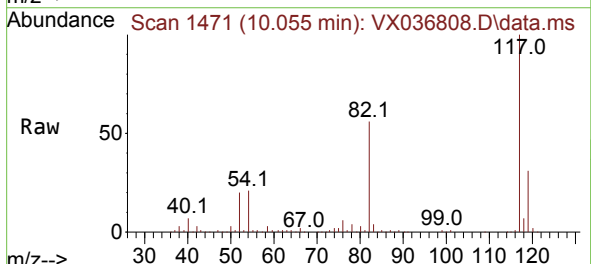
Instrument :
MSVOA_X
ClientSampleId :
ZHC#06

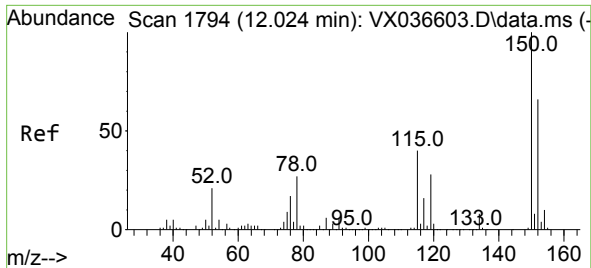
Tgt Ion: 95 Resp: 116818
Ion Ratio Lower Upper
95 100
174 72.6 0.0 135.6
176 69.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036808.D
Acq: 04 Aug 2023 14:19

Tgt Ion: 117 Resp: 237493
Ion Ratio Lower Upper
117 100
82 55.6 46.2 69.4
119 31.4 25.5 38.3

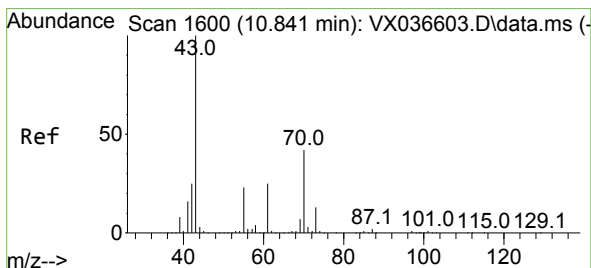
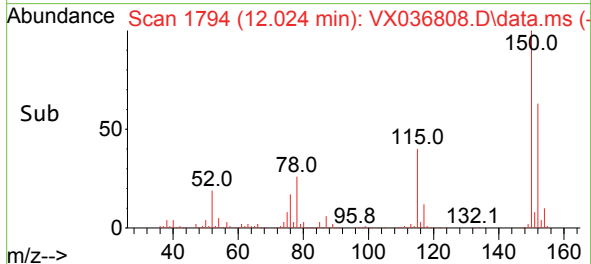
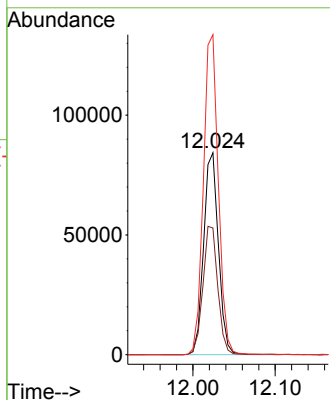
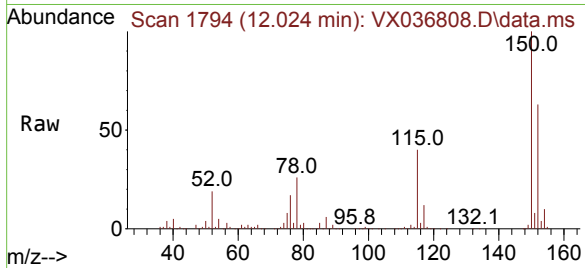




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036808.D
Acq: 04 Aug 2023 14:19

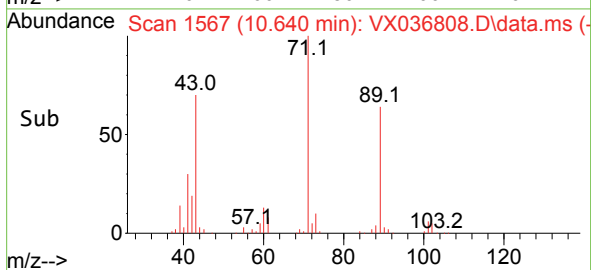
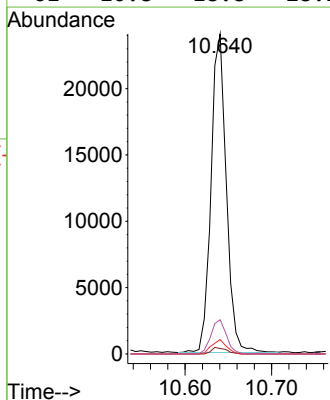
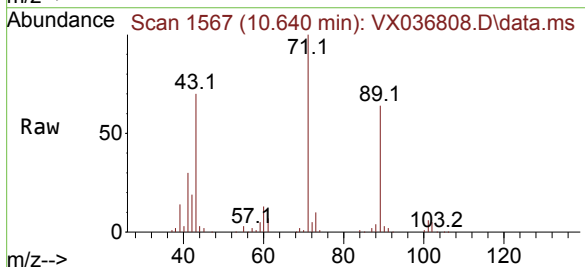
Instrument :
MSVOA_X
ClientSampleId :
ZHC#06

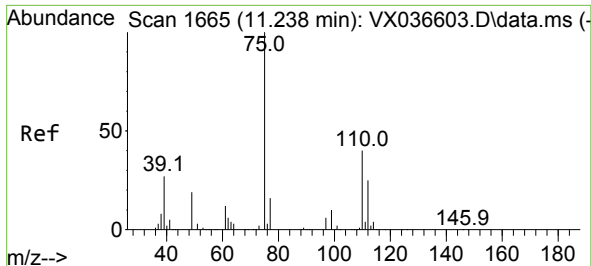
Tgt Ion:152 Resp: 105578
Ion Ratio Lower Upper
152 100
115 64.0 43.3 129.9
150 160.4 0.0 345.0



#74
N-ethyl acetate
Concen: 7.222 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX036808.D
Acq: 04 Aug 2023 14:19

Tgt Ion: 43 Resp: 29427
Ion Ratio Lower Upper
43 100
70 2.0 32.9 49.3#
55 4.3 19.3 28.9#
61 10.8 18.8 28.2#

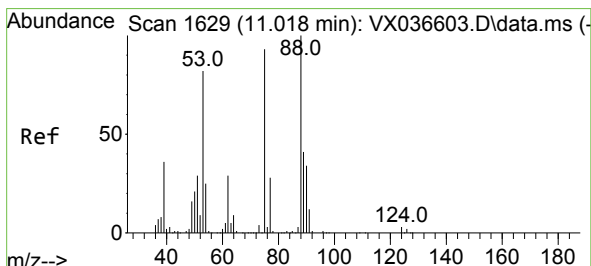
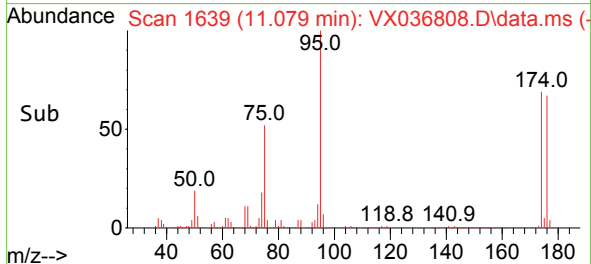
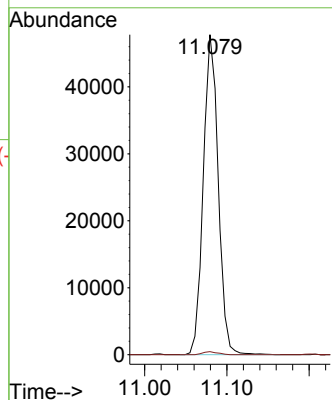
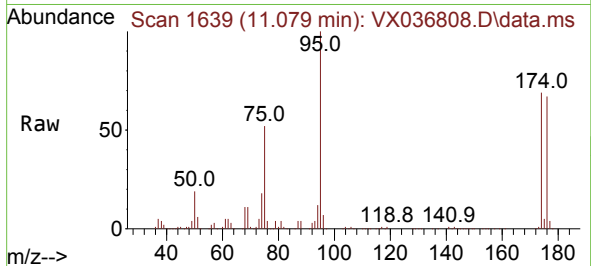




#76
1,2,3-Trichloropropane
Concen: 24.257 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX036808.D
Acq: 04 Aug 2023 14:19

Instrument :
MSVOA_X
ClientSampleId :
ZHC#06

Tgt Ion: 75 Resp: 60238
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.980 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036808.D
Acq: 04 Aug 2023 14:19

Tgt Ion: 75 Resp: 60238
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

