

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080423\
 Data File : VX036809.D
 Acq On : 04 Aug 2023 14:43
 Operator : JC/MD
 Sample : ZHC#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ZHC#07

Quant Time: Aug 05 00:11:47 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)

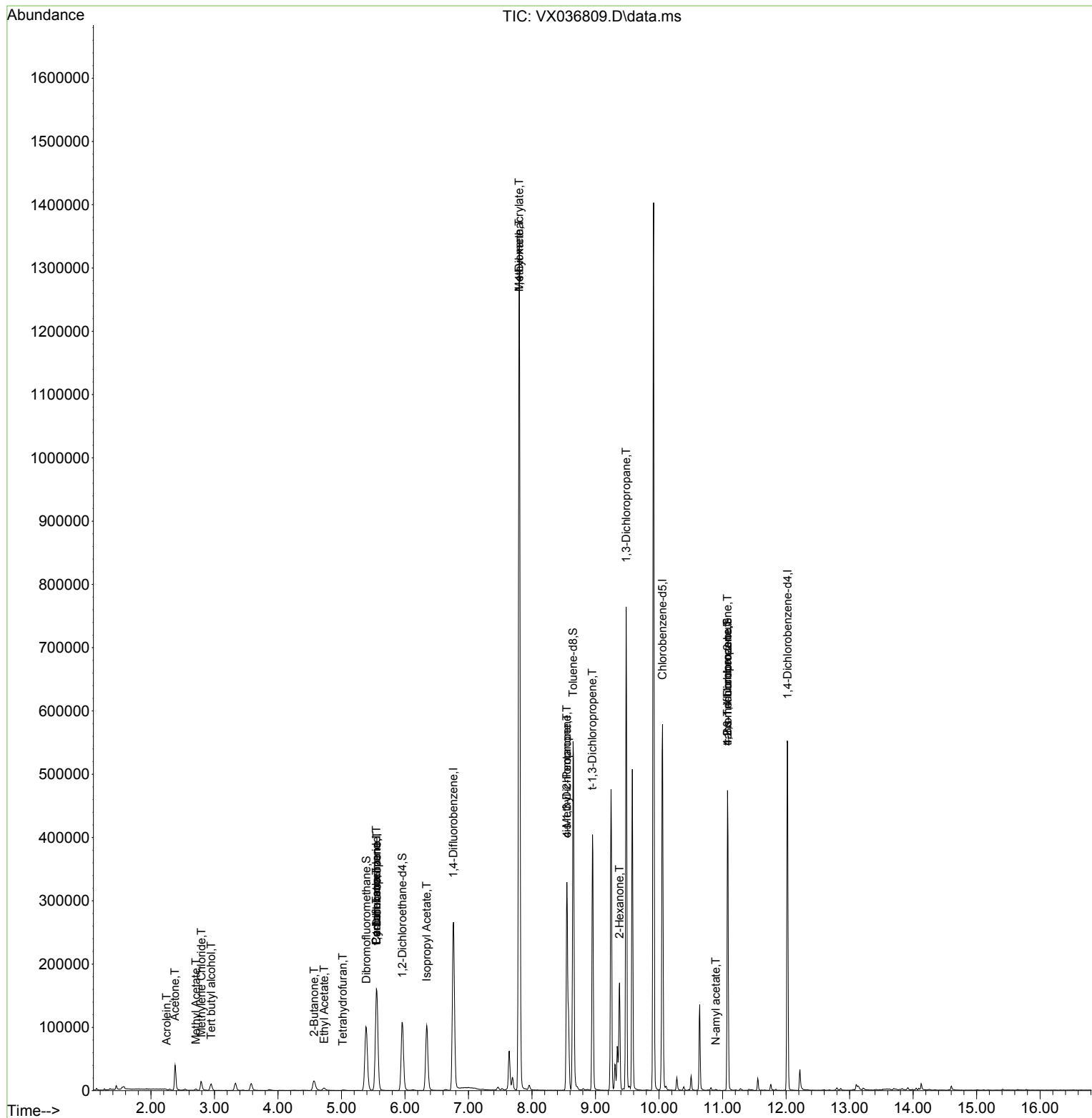
Internal Standards						
1) Pentafluorobenzene	5.550	168	147659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	273477	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	256098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	104834	47.983	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.960%
35) Dibromofluoromethane	5.391	113	88351	47.002	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.000%
50) Toluene-d8	8.647	98	327159	49.079	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.160%
62) 4-Bromofluorobenzene	11.079	95	123981	49.298	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.600%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	6377	12.329	ug/l #	81
13) Acrolein	2.245	56	193	0.654	ug/l	85
16) Acetone	2.379	43	42891	47.309	ug/l	91
18) Methyl Acetate	2.709	43	2612	0.685	ug/l	100
20) Methylene Chloride	2.794	84	7121	3.532	ug/l	93
25) 2-Butanone	4.568	43	19771	13.441	ug/l	90
29) Tetrahydrofuran	5.019	42	391	0.412	ug/l #	49
31) Cyclohexane	5.550	56	3509	1.160	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	12438	4.439	ug/l #	50
37) Ethyl Acetate	4.727	43	6729	2.122	ug/l	96
38) Carbon Tetrachloride	5.550	117	15859	5.324	ug/l #	15
43) Isopropyl Acetate	6.342	43	142421	26.091	ug/l	96
48) Methyl methacrylate	7.799	41	113686	44.783	ug/l #	49
49) 1,4-Dioxane	7.799	88	210	4.095	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	165358	54.740	ug/l #	37
53) t-1,3-Dichloropropene	8.951	75	930	0.263	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	54333	14.571	ug/l #	54
57) 1,3-Dichloropropane	9.482	76	6495	1.816	ug/l #	42
59) 2-Hexanone	9.378	43	123554	55.111	ug/l #	26
74) N-amyl acetate	10.896	43	1023	0.230	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	64860	23.969	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	64860	54.328	ug/l #	5

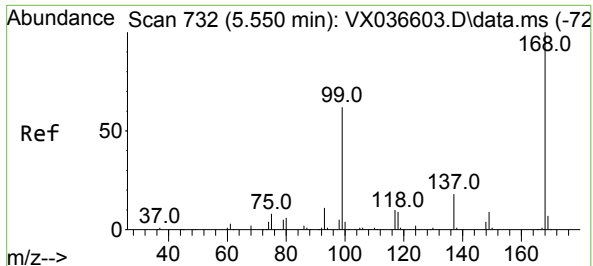
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080423\
Data File : VX036809.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
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ZHC#07

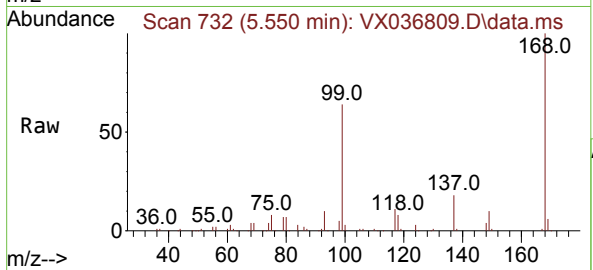
Quant Time: Aug 05 00:11:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
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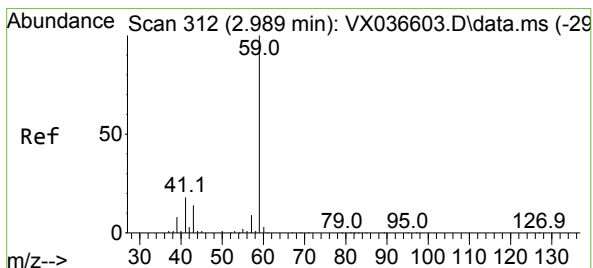
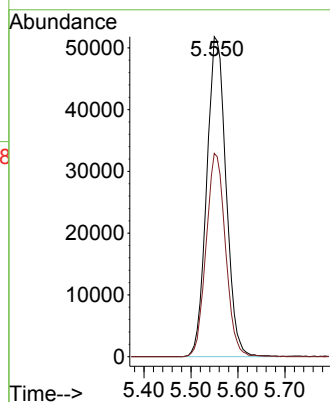
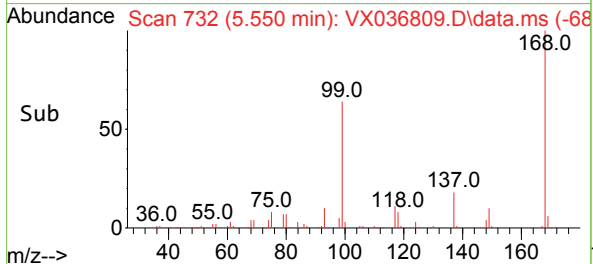


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

Instrument :
MSVOA_X
ClientSampleId :
ZHC#07

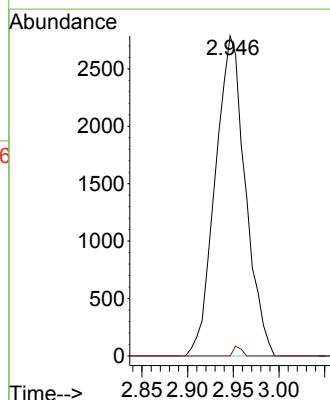
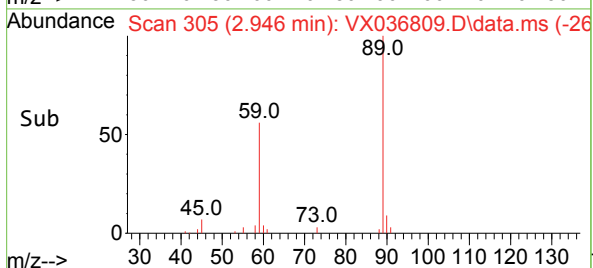
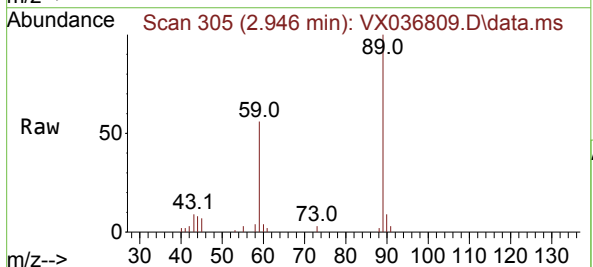


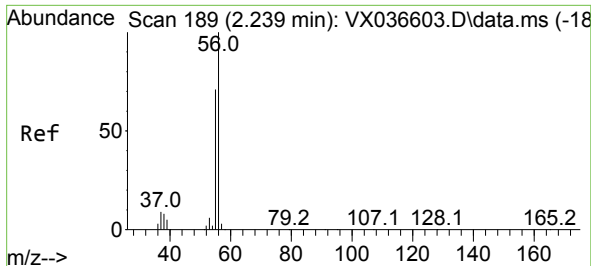
Tgt Ion:168 Resp: 147659
Ion Ratio Lower Upper
168 100
99 63.5 56.6 85.0



#11
Tert butyl alcohol
Concen: 12.329 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.043 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

Tgt Ion: 59 Resp: 6377
Ion Ratio Lower Upper
59 100
57 0.8 6.0 9.0#

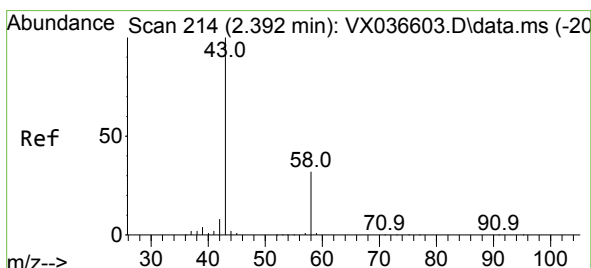
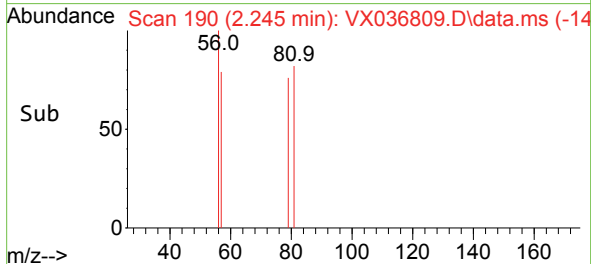
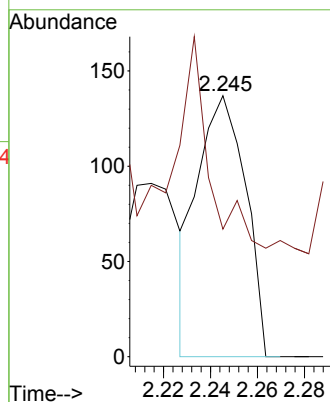
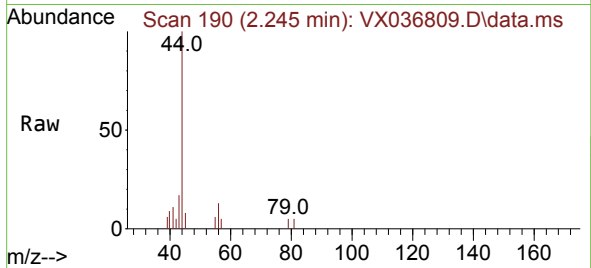




#13
Acrolein
Concen: 0.654 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

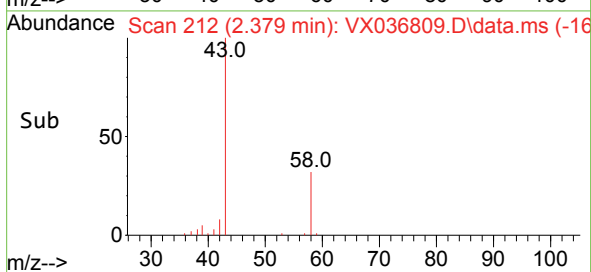
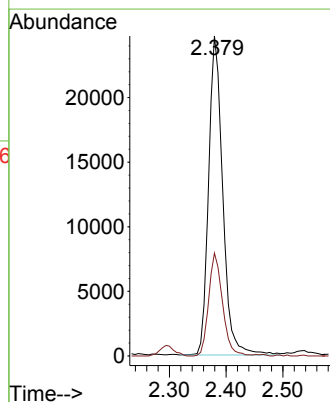
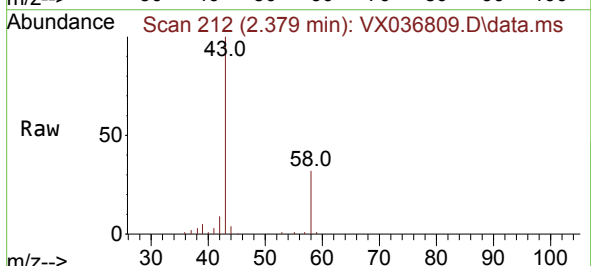
Instrument :
MSVOA_X
ClientSampleId :
ZHC#07

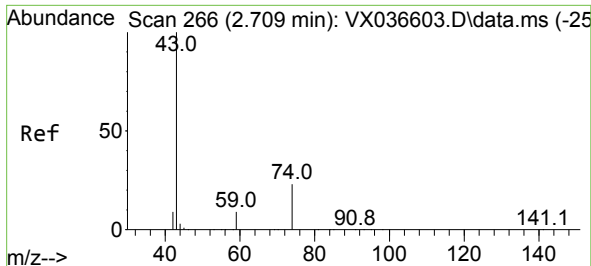
Tgt Ion: 56 Resp: 193
Ion Ratio Lower Upper
56 100
55 83.9 57.1 85.7



#16
Acetone
Concen: 47.309 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

Tgt Ion: 43 Resp: 42891
Ion Ratio Lower Upper
43 100
58 32.0 21.9 32.9

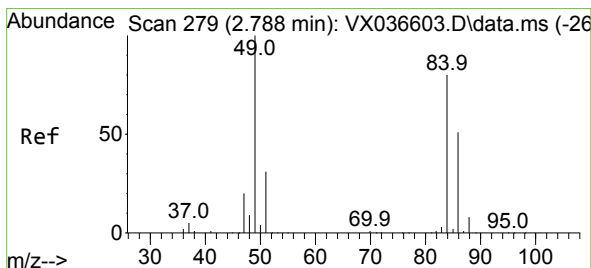
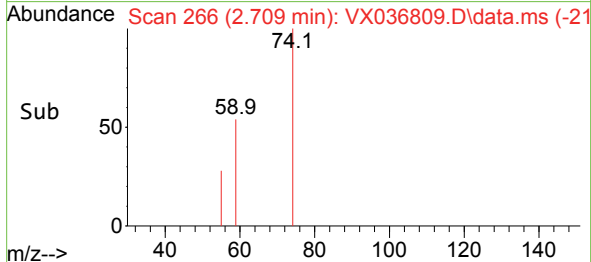
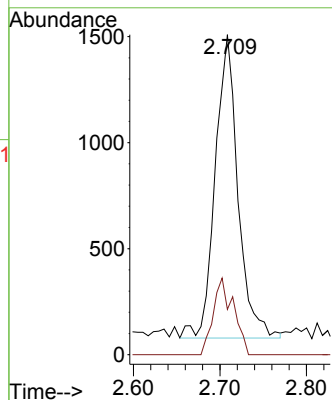
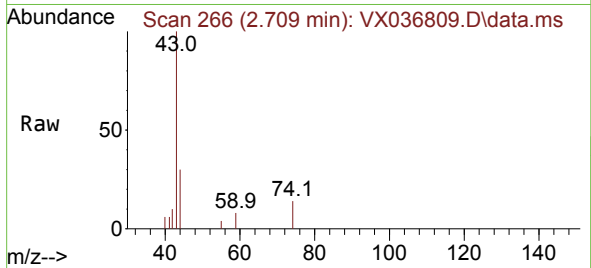




#18
Methyl Acetate
Concen: 0.685 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

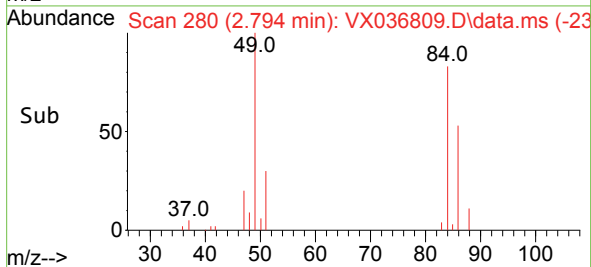
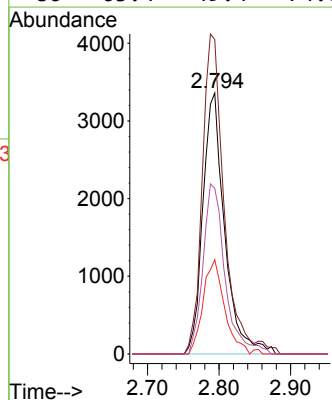
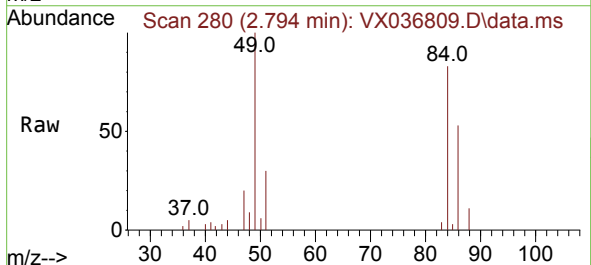
Instrument :
MSVOA_X
ClientSampleId :
ZHC#07

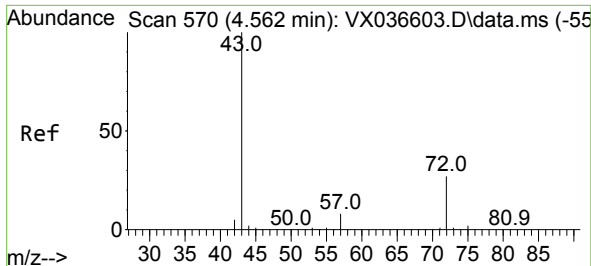
Tgt Ion: 43 Resp: 2612
Ion Ratio Lower Upper
43 100
74 22.5 17.8 26.8



#20
Methylene Chloride
Concen: 3.532 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

Tgt Ion: 84 Resp: 7121
Ion Ratio Lower Upper
84 100
49 120.5 103.6 155.4
51 36.1 33.8 50.6
86 63.4 49.4 74.0

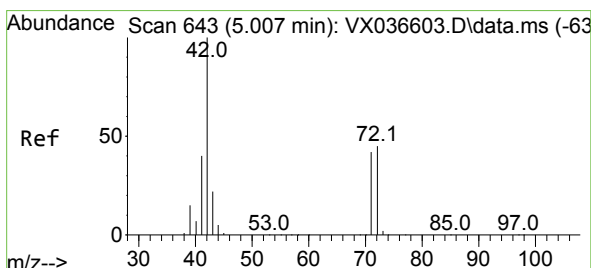
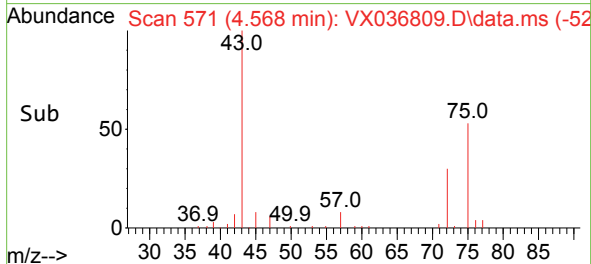
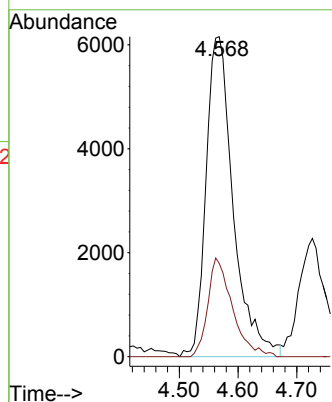
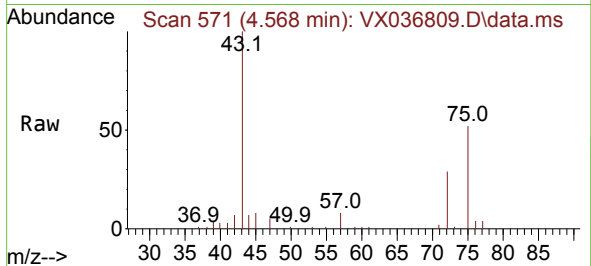




#25
2-Butanone
Concen: 13.441 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

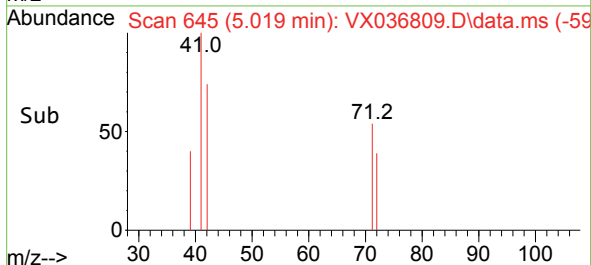
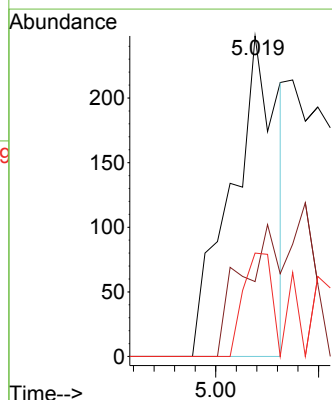
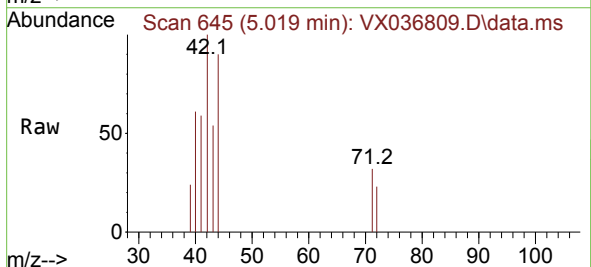
Instrument :
MSVOA_X
ClientSampleId :
ZHC#07

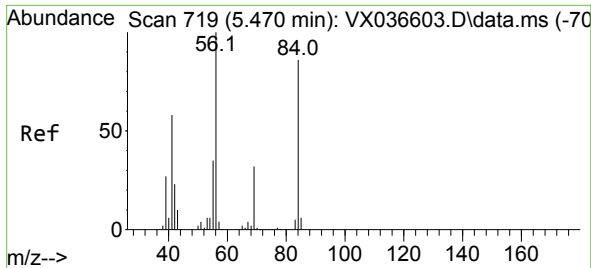
Tgt Ion: 43 Resp: 19771
Ion Ratio Lower Upper
43 100
72 29.2 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.412 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.012 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

Tgt Ion: 42 Resp: 391
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 19.7 32.2 48.2#

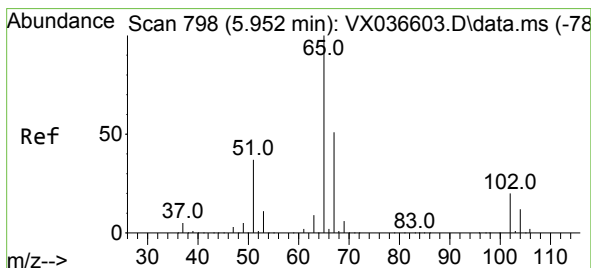
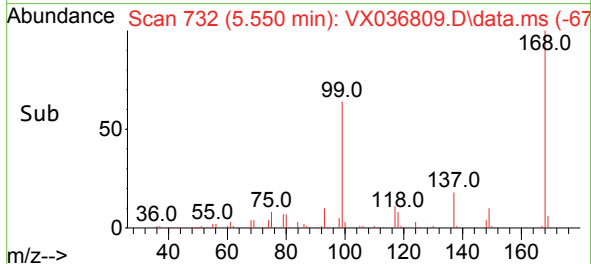
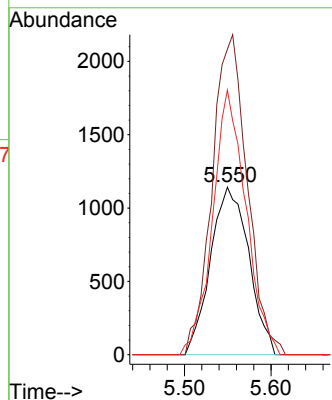
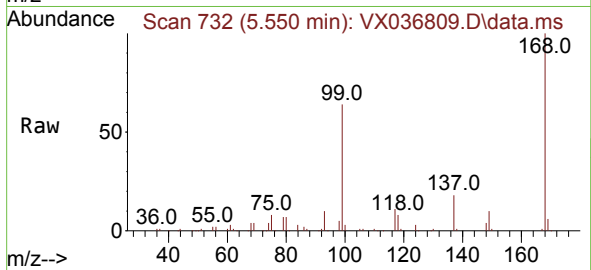




#31
Cyclohexane
Concen: 1.160 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

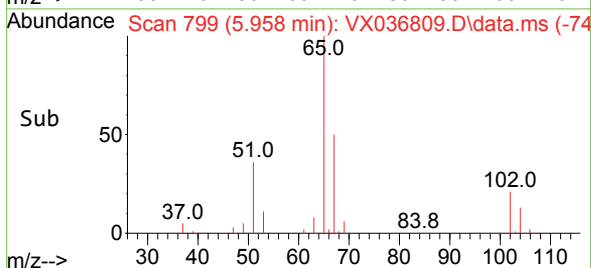
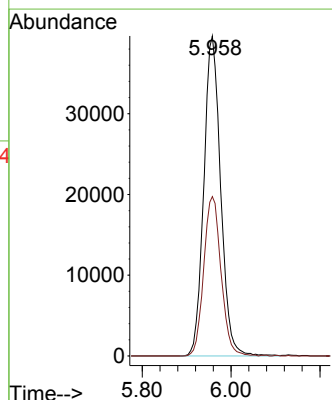
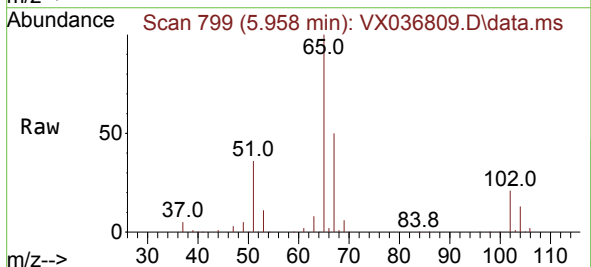
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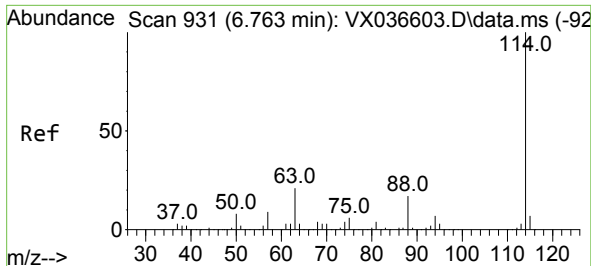
Tgt Ion: 56 Resp: 3509
Ion Ratio Lower Upper
56 100
69 182.2 23.4 35.2#
84 157.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.983 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

Tgt Ion: 65 Resp: 104834
Ion Ratio Lower Upper
65 100
67 51.0 0.0 100.2

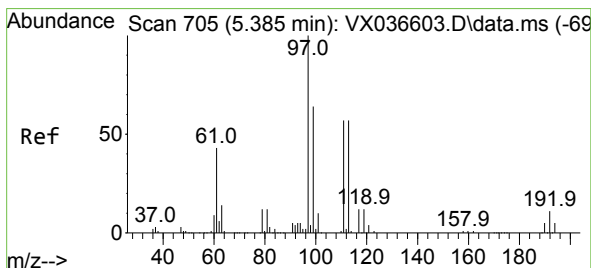
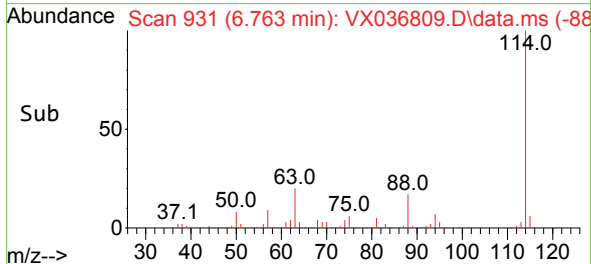
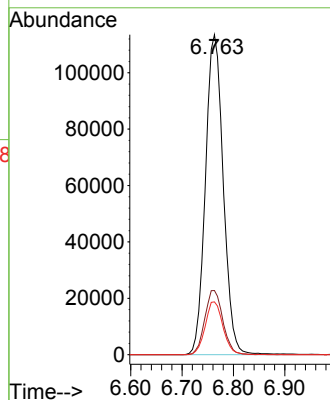
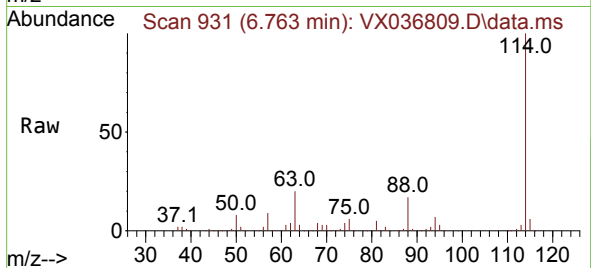




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

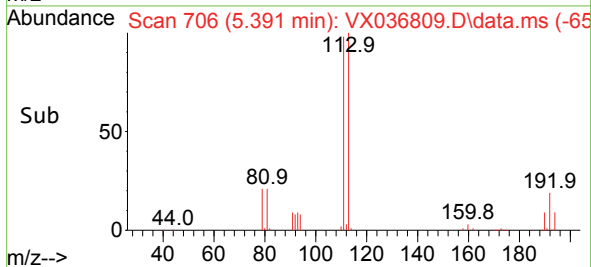
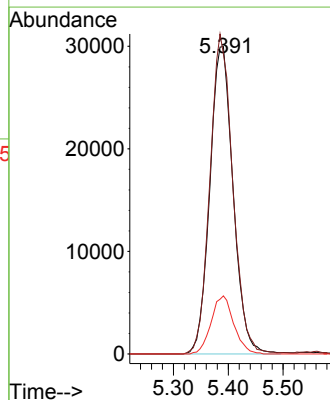
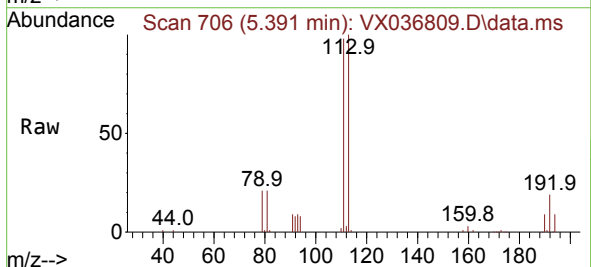
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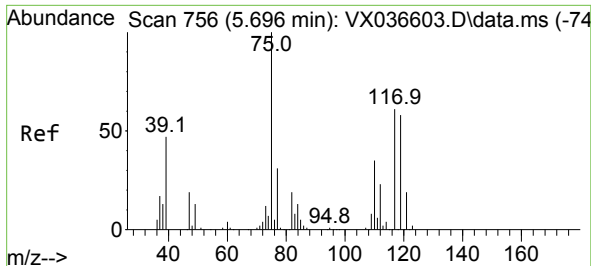
Tgt Ion:114 Resp: 273477
Ion Ratio Lower Upper
114 100
63 20.0 0.0 45.0
88 16.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.002 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

Tgt Ion:113 Resp: 88351
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 18.4 13.3 19.9

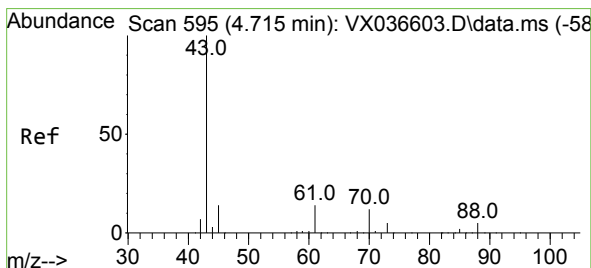
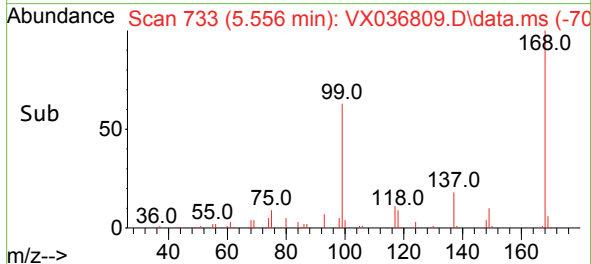
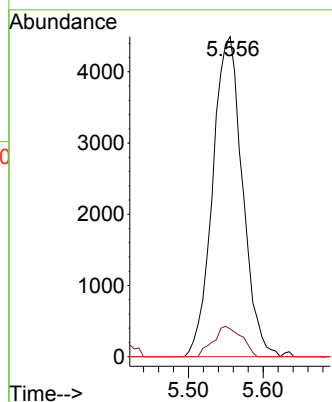
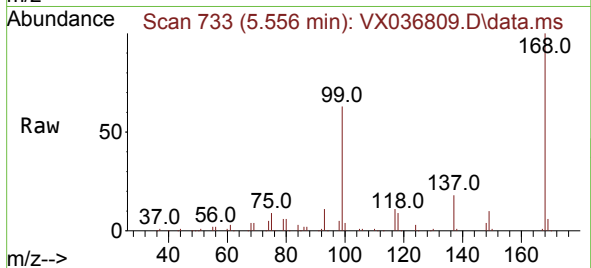




#36
1,1-Dichloropropene
Concen: 4.439 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

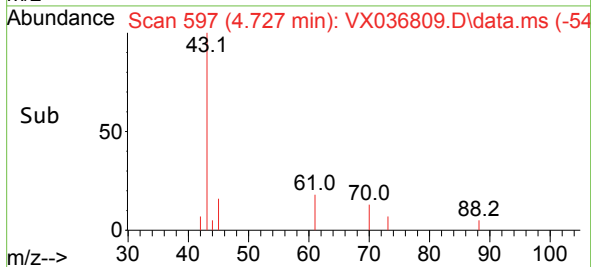
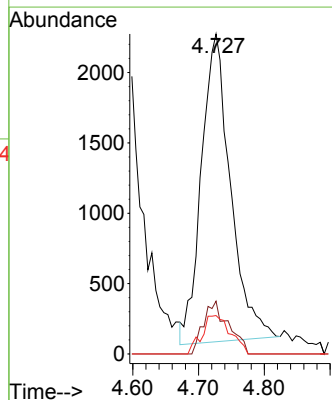
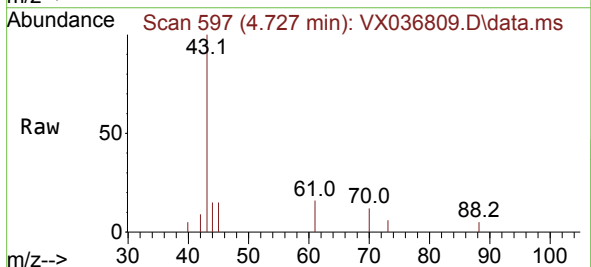
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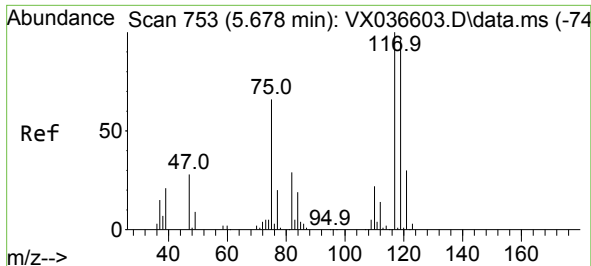
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Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 2.122 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.012 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

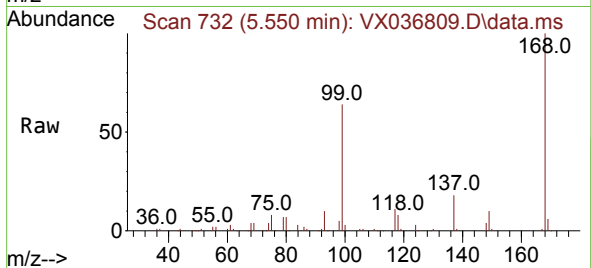
Tgt Ion: 43 Resp: 6729
Ion Ratio Lower Upper
43 100
61 14.8 10.6 16.0
70 12.3 8.3 12.5



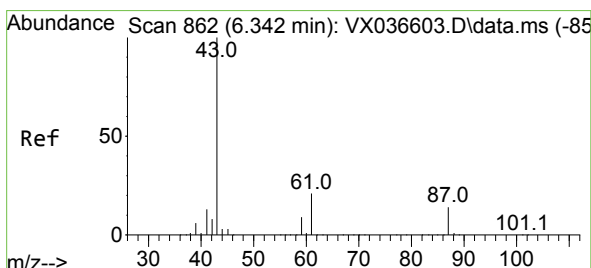
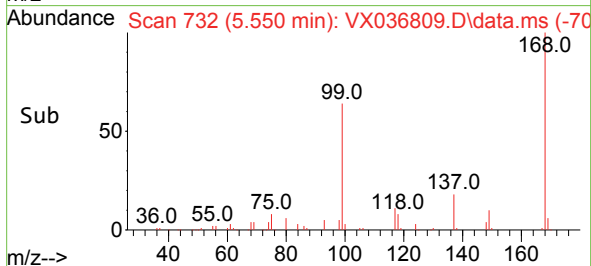
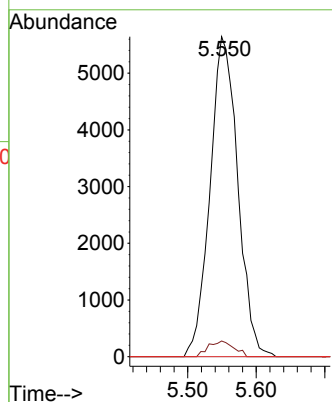


#38
Carbon Tetrachloride
Concen: 5.324 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

Instrument :
MSVOA_X
ClientSampleId :
ZHC#07

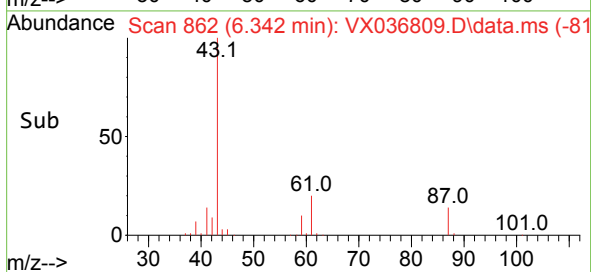
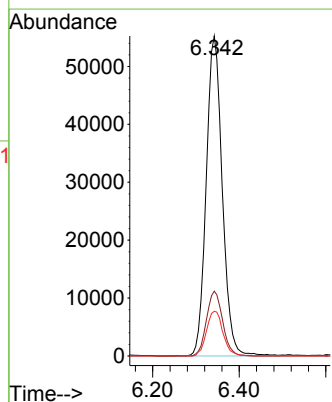
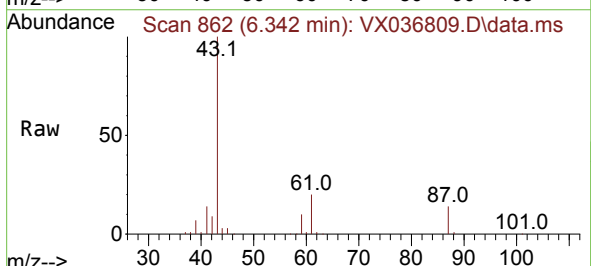


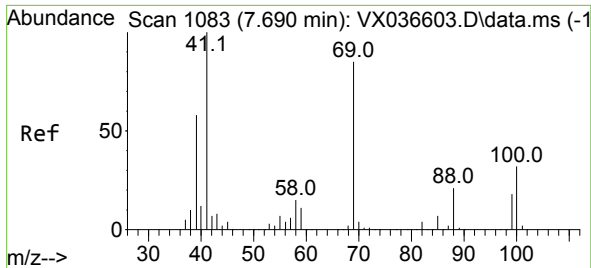
Tgt Ion:117 Resp: 15859
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 26.091 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

Tgt Ion: 43 Resp: 142421
Ion Ratio Lower Upper
43 100
61 20.3 15.2 22.8
87 14.3 9.8 14.6

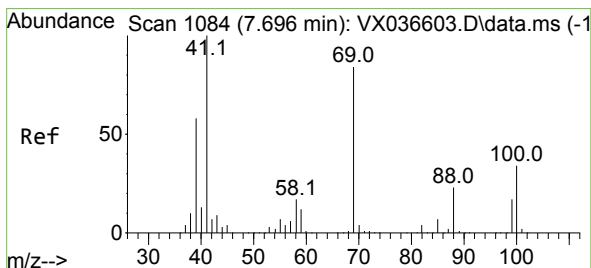
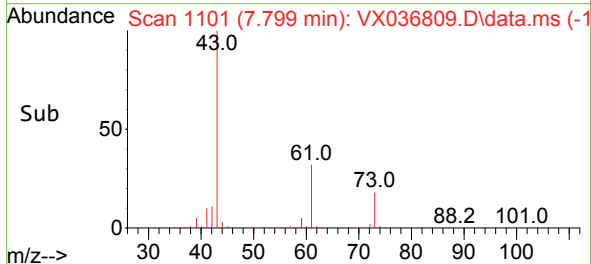
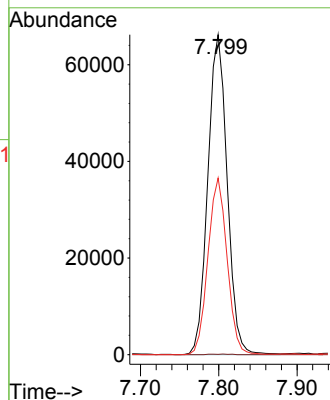
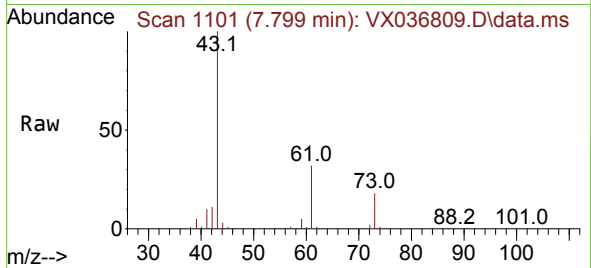




#48
Methyl methacrylate
Concen: 44.783 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

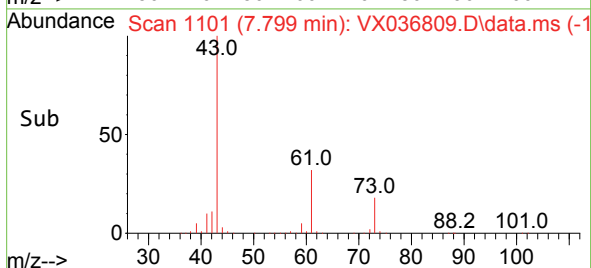
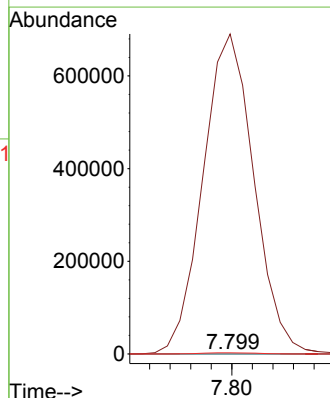
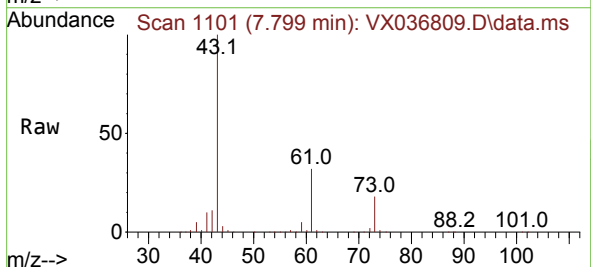
Instrument :
MSVOA_X
ClientSampleId :
ZHC#07

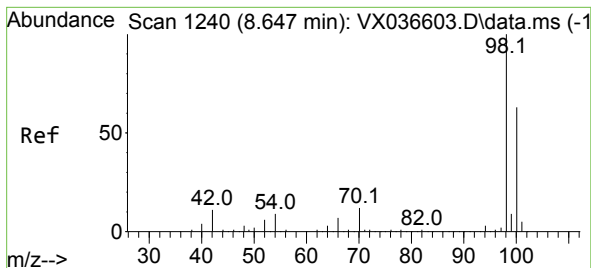
Tgt Ion: 41 Resp: 113686
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 54.6 47.7 71.5



#49
1,4-Dioxane
Concen: 4.095 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

Tgt Ion: 88 Resp: 210
Ion Ratio Lower Upper
88 100
43 570486.2 0.0 0.0#
58 2264.8 60.1 90.1#





#50

Toluene-d8

Concen: 49.079 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX036809.D

Acq: 04 Aug 2023 14:43

Instrument :

MSVOA_X

ClientSampleId :

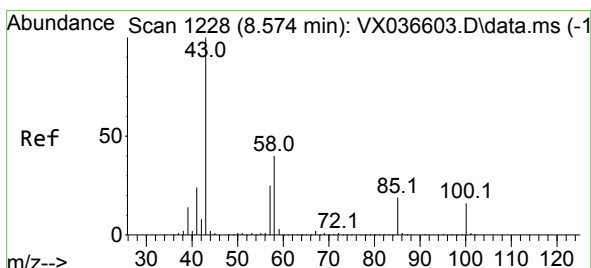
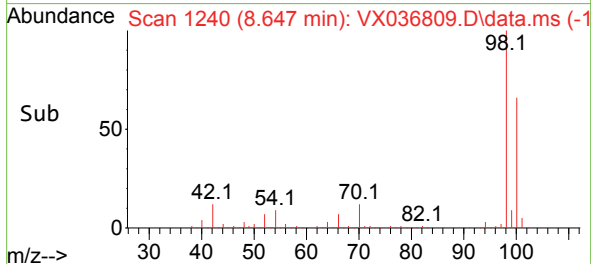
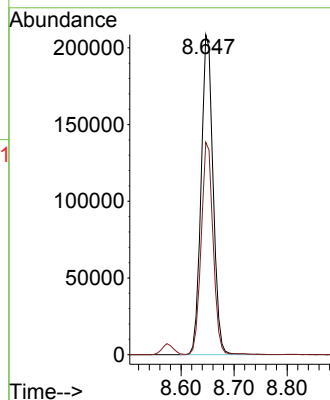
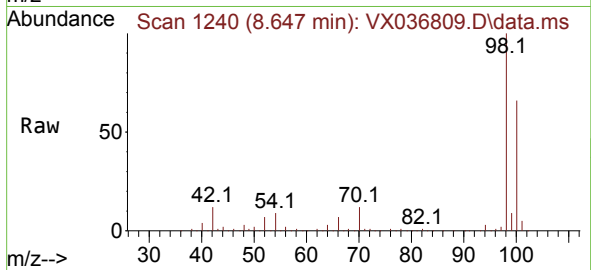
ZHC#07

Tgt Ion: 98 Resp: 327159

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 54.740 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.025 min

Lab File: VX036809.D

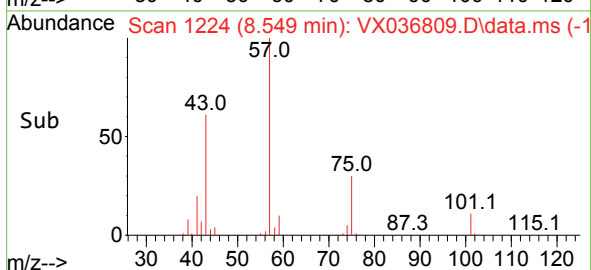
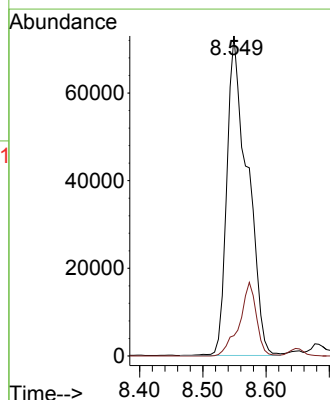
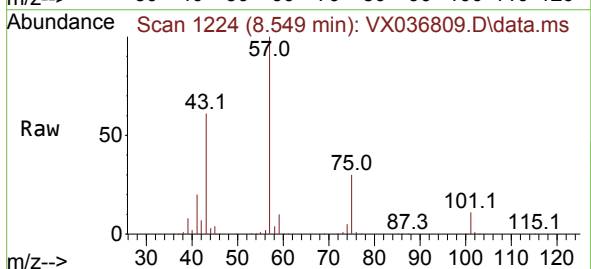
Acq: 04 Aug 2023 14:43

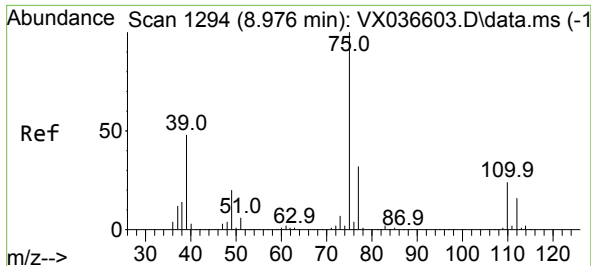
Tgt Ion: 43 Resp: 165358

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#

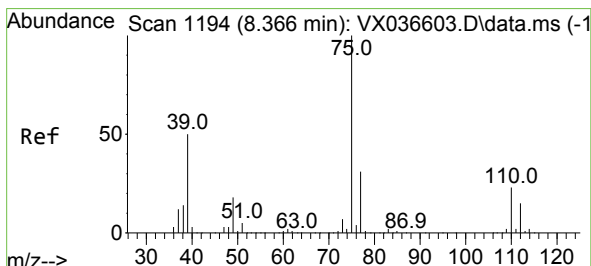
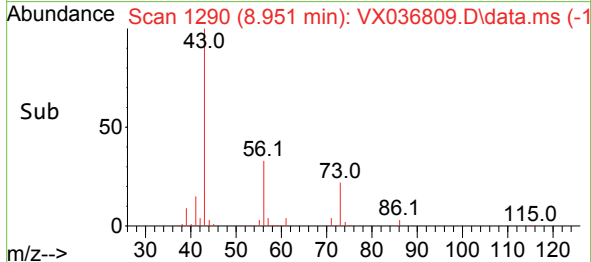
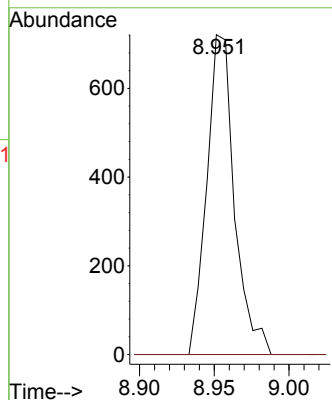
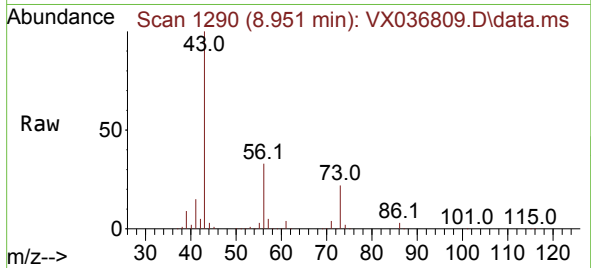




#53
 t-1,3-Dichloropropene
 Concen: 0.263 ug/l
 RT: 8.951 min Scan# 11
 Delta R.T. -0.025 min
 Lab File: VX036809.D
 Acq: 04 Aug 2023 14:43

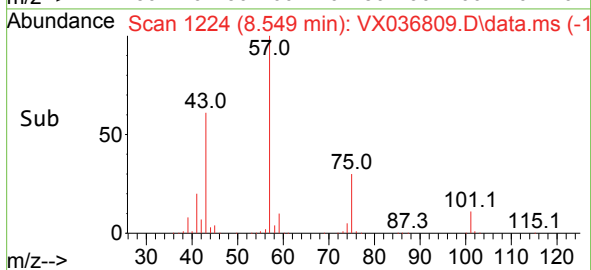
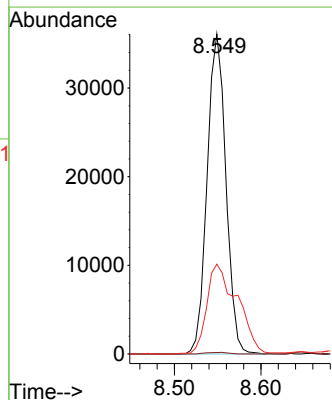
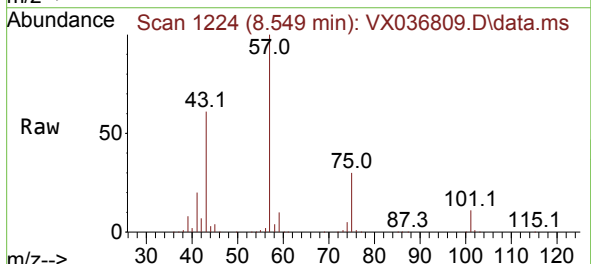
Instrument :
 MSVOA_X
 ClientSampleId :
 ZHC#07

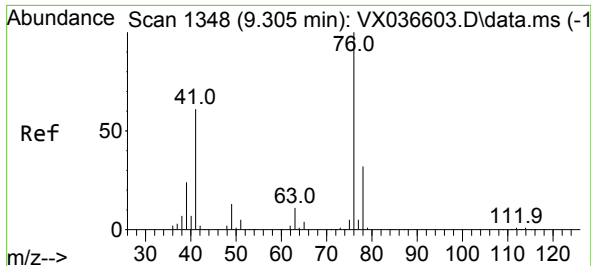
Tgt Ion: 75 Resp: 930
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 14.571 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036809.D
 Acq: 04 Aug 2023 14:43

Tgt Ion: 75 Resp: 54333
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 27.8 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.816 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX036809.D

Acq: 04 Aug 2023 14:43

Instrument :

MSVOA_X

ClientSampleId :

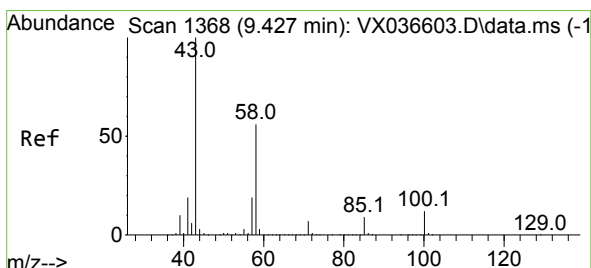
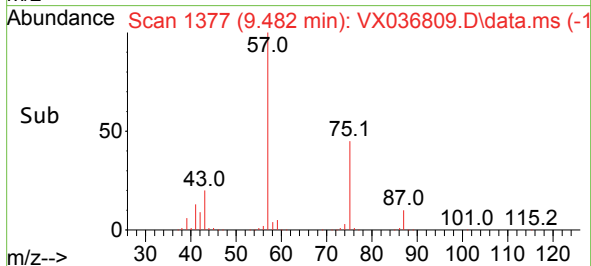
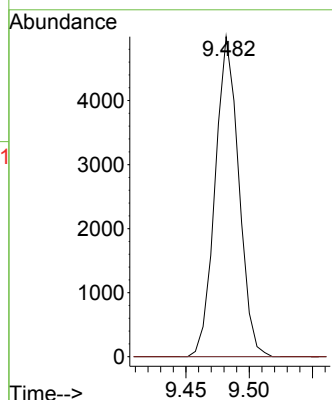
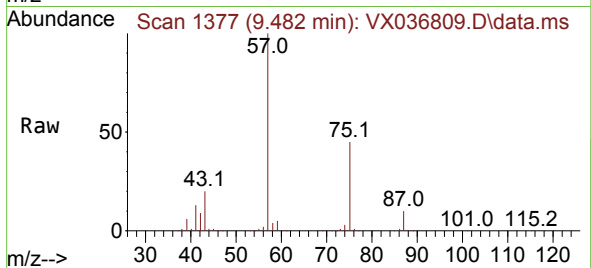
ZHC#07

Tgt Ion: 76 Resp: 6495

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 55.111 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX036809.D

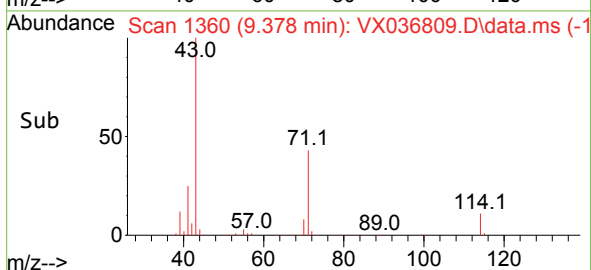
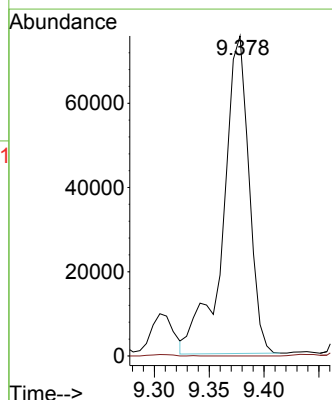
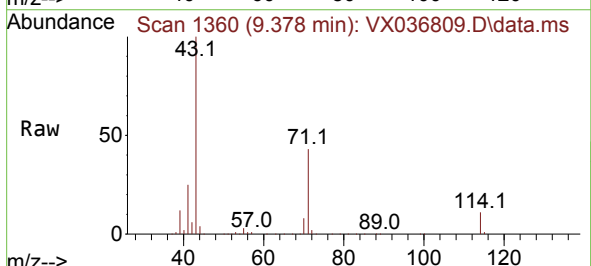
Acq: 04 Aug 2023 14:43

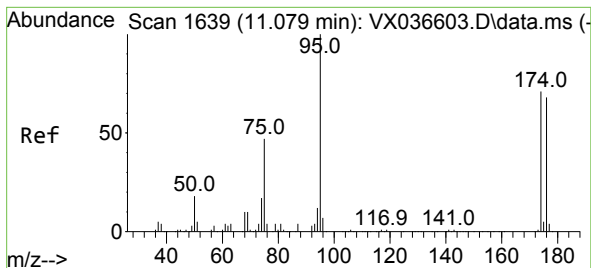
Tgt Ion: 43 Resp: 123554

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

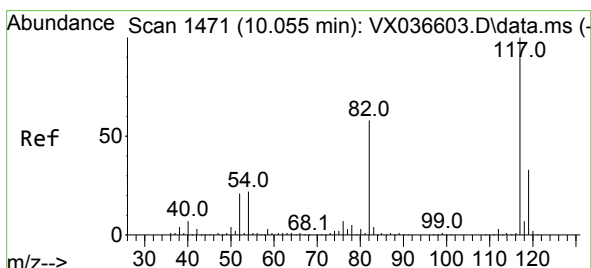
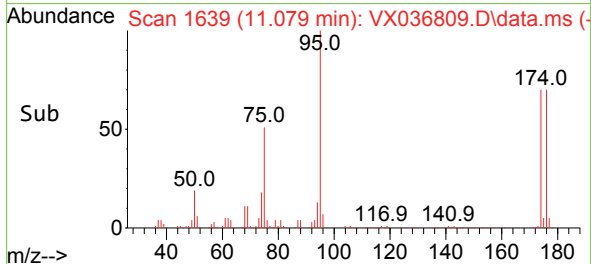
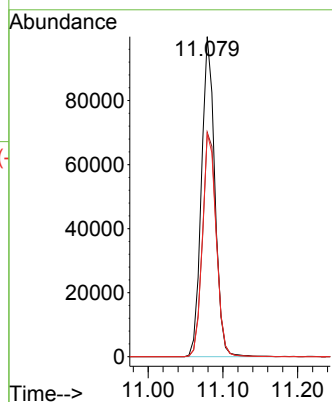
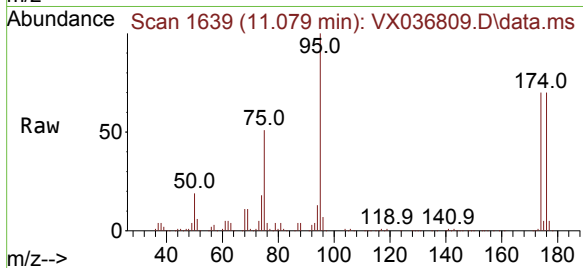




#62
4-Bromofluorobenzene
Concen: 49.298 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

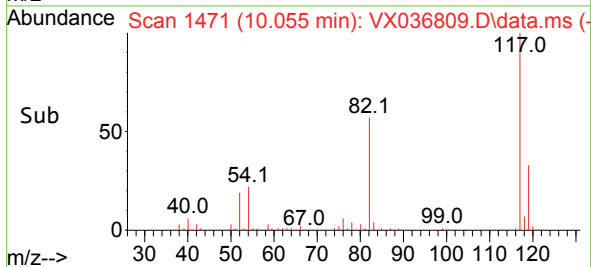
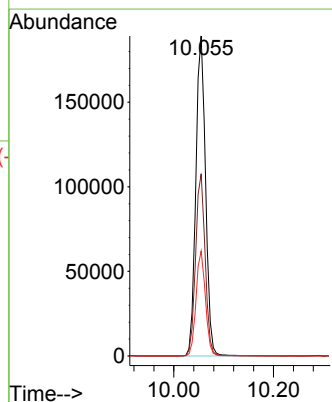
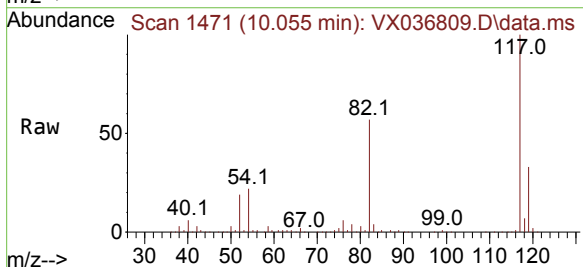
Instrument :
MSVOA_X
ClientSampleId :
ZHC#07

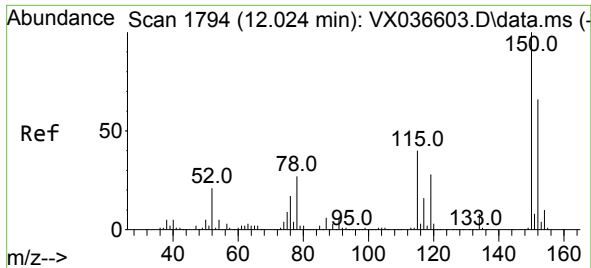
Tgt Ion: 95 Resp: 123981
Ion Ratio Lower Upper
95 100
174 72.7 0.0 135.6
176 71.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

Tgt Ion: 117 Resp: 256098
Ion Ratio Lower Upper
117 100
82 57.0 46.2 69.4
119 32.8 25.5 38.3

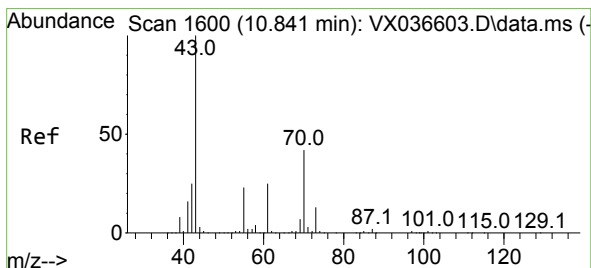
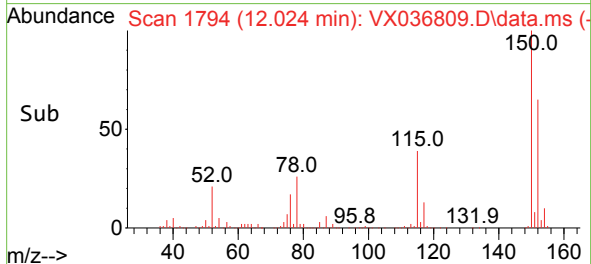
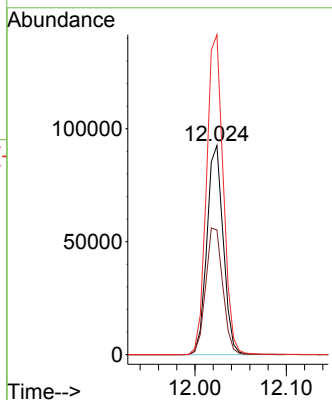
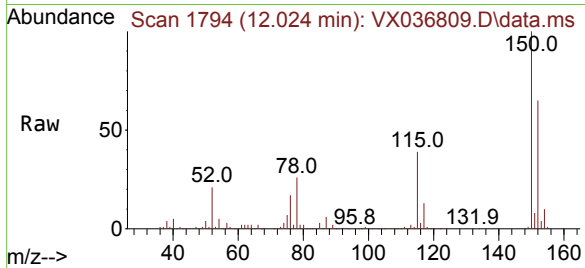




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX036809.D
 Acq: 04 Aug 2023 14:43

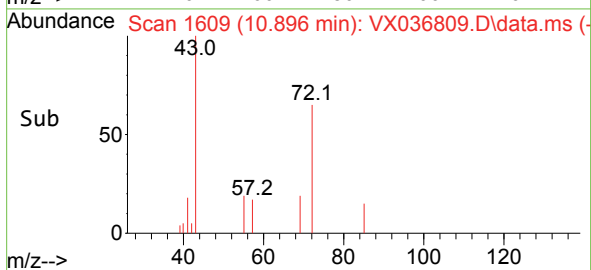
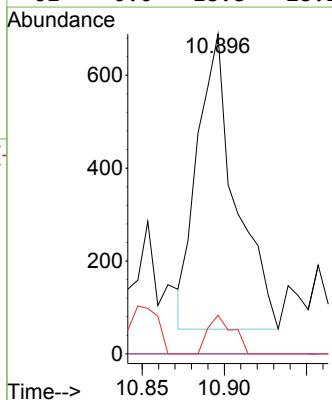
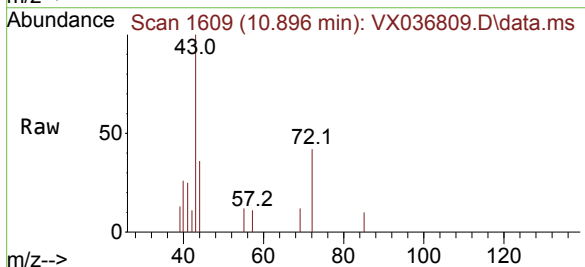
Instrument :
 MSVOA_X
 ClientSampleId :
 ZHC#07

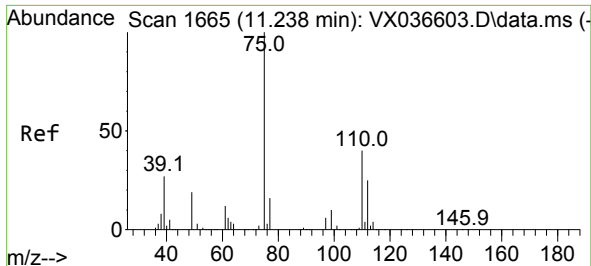
Tgt Ion:152 Resp: 115044
 Ion Ratio Lower Upper
 152 100
 115 63.2 43.3 129.9
 150 156.8 0.0 345.0



#74
 N-ethyl acetate
 Concen: 0.230 ug/l
 RT: 10.896 min Scan# 1609
 Delta R.T. 0.055 min
 Lab File: VX036809.D
 Acq: 04 Aug 2023 14:43

Tgt Ion: 43 Resp: 1023
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 8.7 19.3 28.9#
 61 0.0 18.8 28.2#

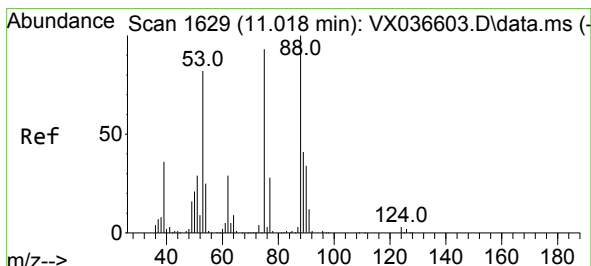
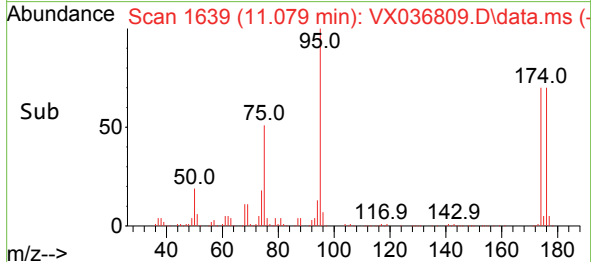
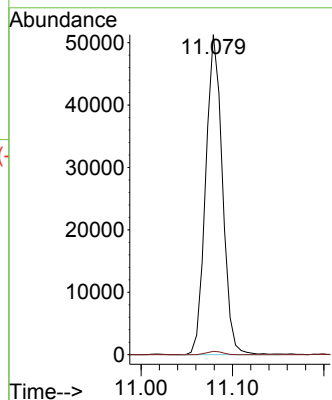
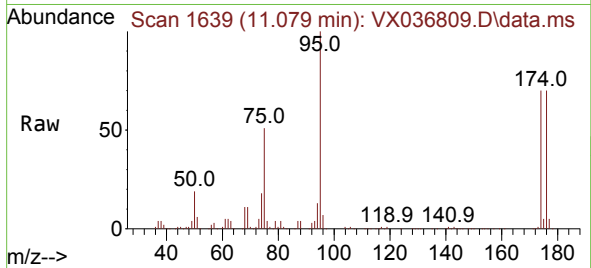




#76
1,2,3-Trichloropropane
Concen: 23.969 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

Instrument :
MSVOA_X
ClientSampleId :
ZHC#07

Tgt Ion: 75 Resp: 64860
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.328 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036809.D
Acq: 04 Aug 2023 14:43

Tgt Ion: 75 Resp: 64860
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

