

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080423\
 Data File : VX036813.D
 Acq On : 04 Aug 2023 16:19
 Operator : JC/MD
 Sample : ZHC#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ZHC#11

Quant Time: Aug 05 00:13:33 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)

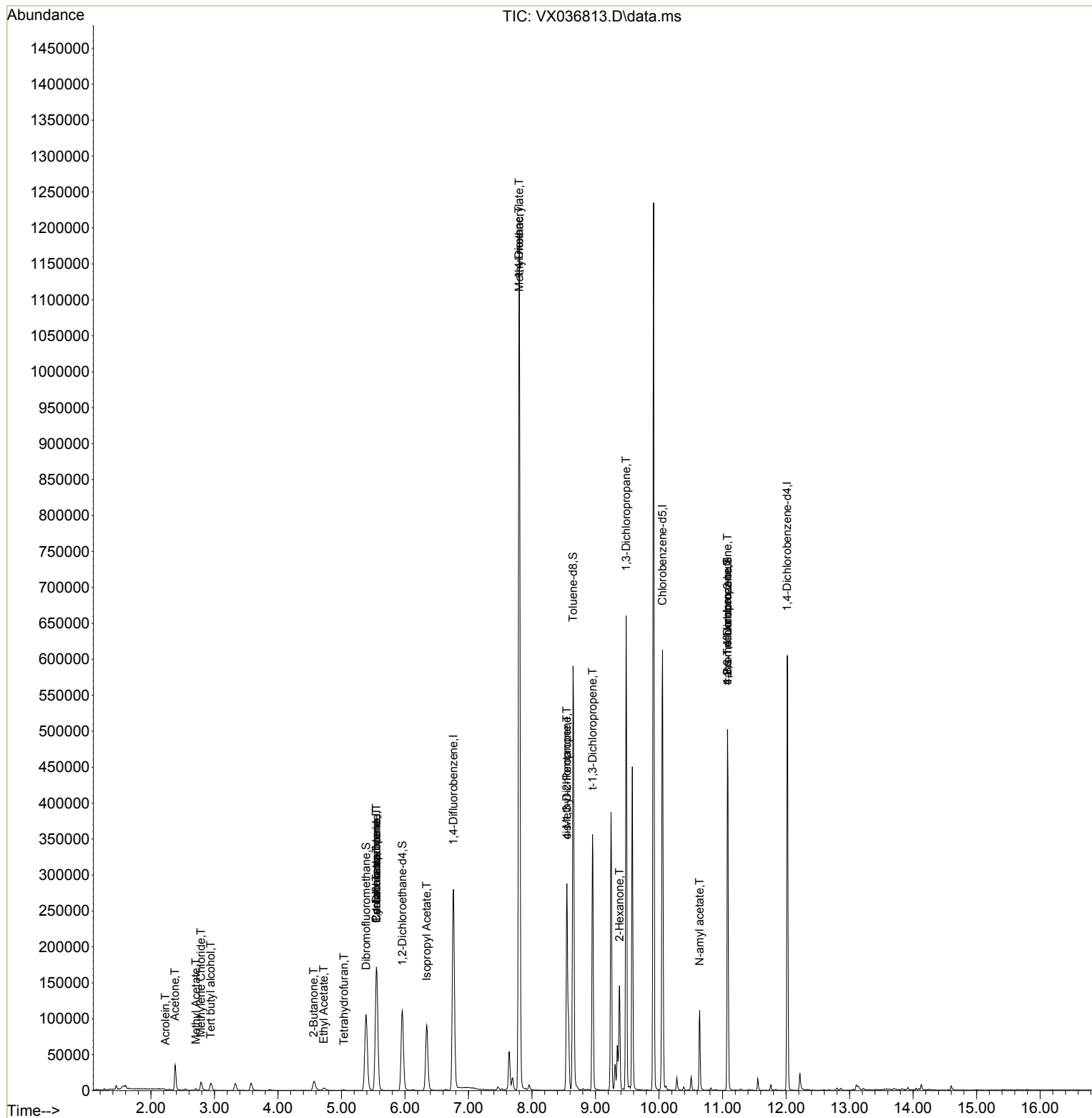
Internal Standards						
1) Pentafluorobenzene	5.550	168	157439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	287532	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	269406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	121694	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	108753	46.684	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.360%
35) Dibromofluoromethane	5.385	113	92648	46.879	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.760%
50) Toluene-d8	8.647	98	345693	49.325	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.640%
62) 4-Bromofluorobenzene	11.079	95	132135	49.972	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.940%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	6337	11.490	ug/l #	81
13) Acrolein	2.227	56	153	0.486	ug/l	90
16) Acetone	2.380	43	37841	39.146	ug/l	92
18) Methyl Acetate	2.709	43	2633	0.647	ug/l	95
20) Methylene Chloride	2.788	84	6324	2.942	ug/l	95
25) 2-Butanone	4.562	43	17229	10.985	ug/l	94
29) Tetrahydrofuran	5.038	42	591	0.584	ug/l #	66
31) Cyclohexane	5.550	56	3760	1.166	ug/l #	30
36) 1,1-Dichloropropene	5.550	75	12679	4.304	ug/l #	50
37) Ethyl Acetate	4.721	43	5424	1.627	ug/l #	83
38) Carbon Tetrachloride	5.550	117	16486	5.264	ug/l #	15
43) Isopropyl Acetate	6.342	43	125901	21.937	ug/l	95
48) Methyl methacrylate	7.799	41	101141	37.894	ug/l #	48
49) 1,4-Dioxane	7.793	88	165	3.060	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	138342	43.558	ug/l #	37
53) t-1,3-Dichloropropene	8.952	75	770	0.207	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	46708	11.914	ug/l #	53
57) 1,3-Dichloropropane	9.482	76	5770	1.535	ug/l #	42
59) 2-Hexanone	9.378	43	108233	45.917	ug/l #	26
74) N-amyl acetate	10.640	43	25993	5.535	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	70038	24.468	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	70038	55.459	ug/l #	5

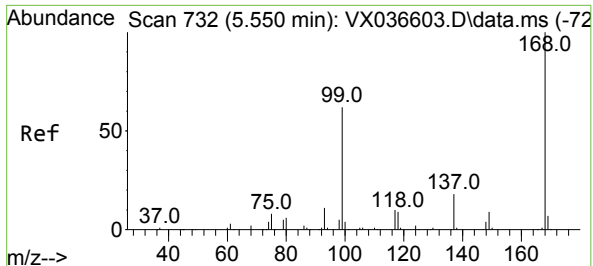
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX036813.D
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Instrument :
MSVOA_X
ClientSampleId :
ZHC#11

Quant Time: Aug 05 00:13:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration

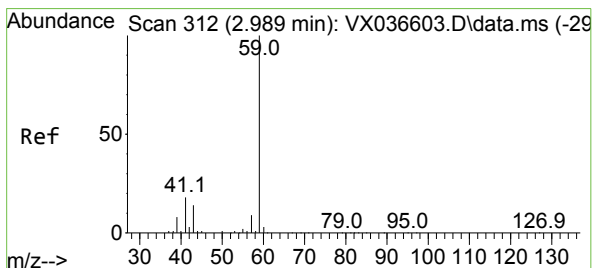
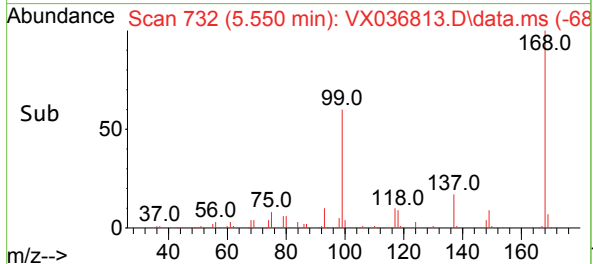
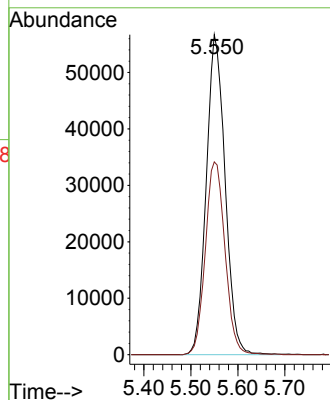
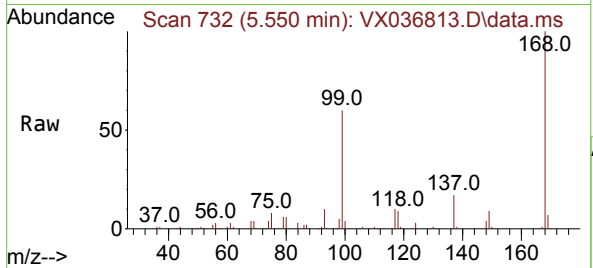




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX036813.D
Acq: 04 Aug 2023 16:19

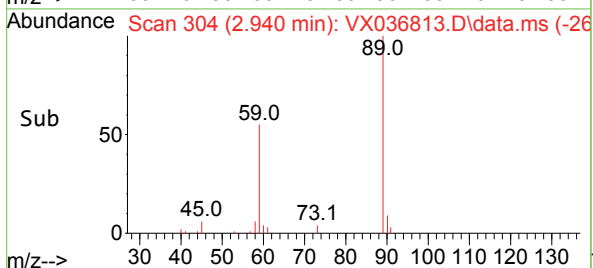
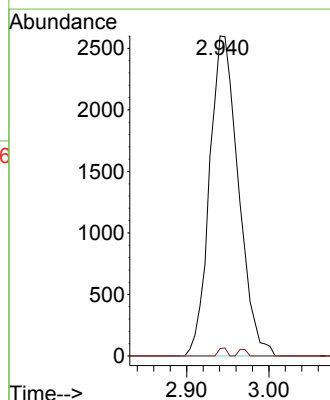
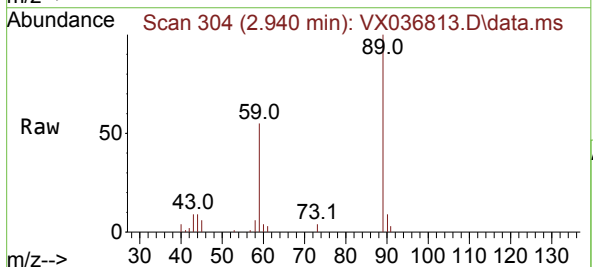
Instrument :
MSVOA_X
ClientSampleId :
ZHC#11

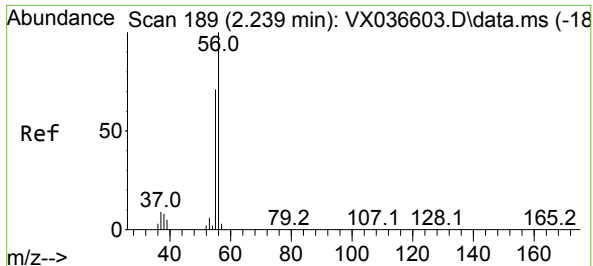
Tgt Ion:168 Resp: 157439
Ion Ratio Lower Upper
168 100
99 60.2 56.6 85.0



#11
Tert butyl alcohol
Concen: 11.490 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.049 min
Lab File: VX036813.D
Acq: 04 Aug 2023 16:19

Tgt Ion: 59 Resp: 6337
Ion Ratio Lower Upper
59 100
57 0.7 6.0 9.0#

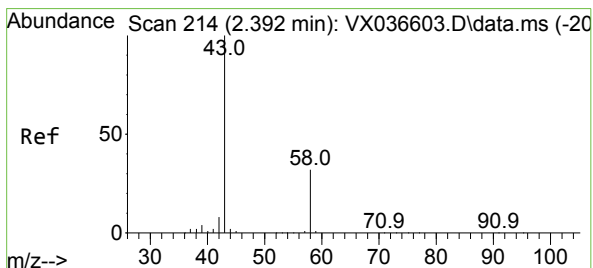
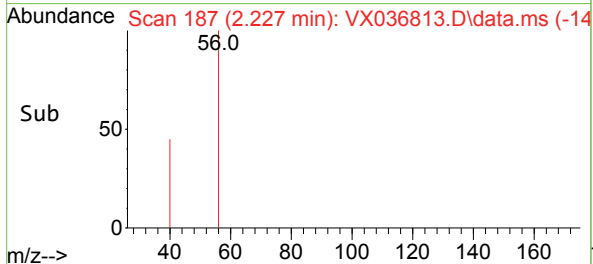
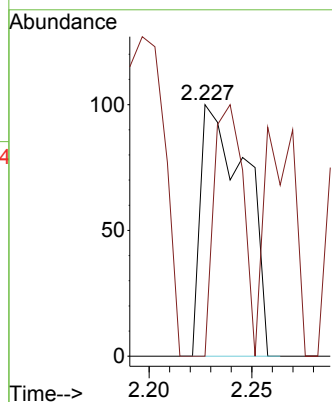
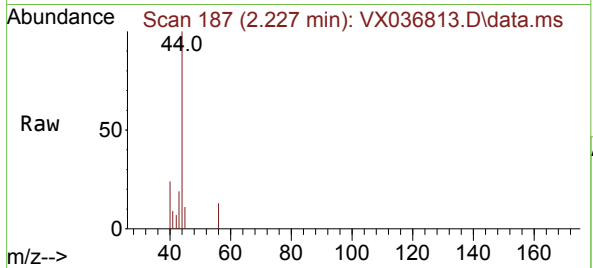




#13
Acrolein
Concen: 0.486 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX036813.D
Acq: 04 Aug 2023 16:19

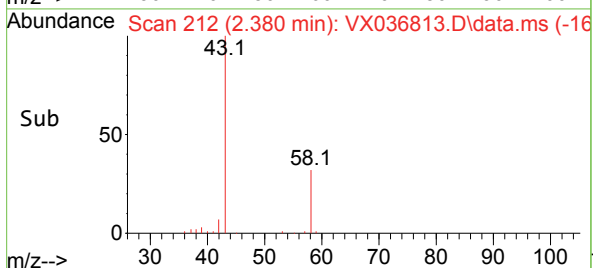
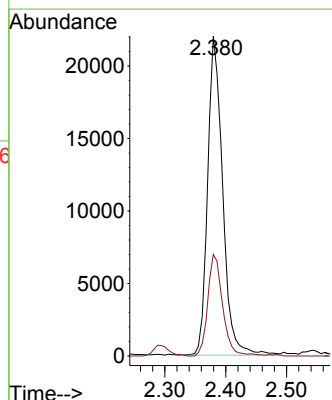
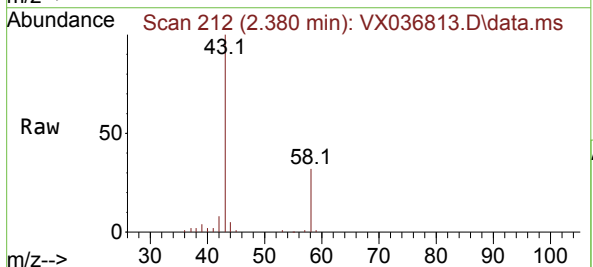
Instrument :
MSVOA_X
ClientSampleId :
ZHC#11

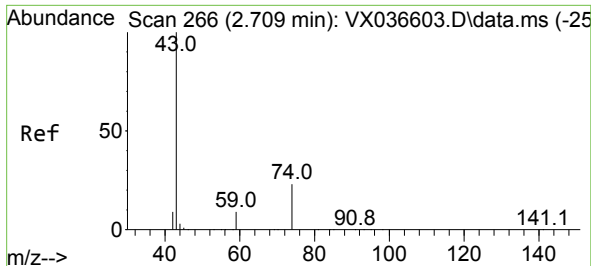
Tgt Ion: 56 Resp: 153
Ion Ratio Lower Upper
56 100
55 63.4 57.1 85.7



#16
Acetone
Concen: 39.146 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036813.D
Acq: 04 Aug 2023 16:19

Tgt Ion: 43 Resp: 37841
Ion Ratio Lower Upper
43 100
58 31.5 21.9 32.9

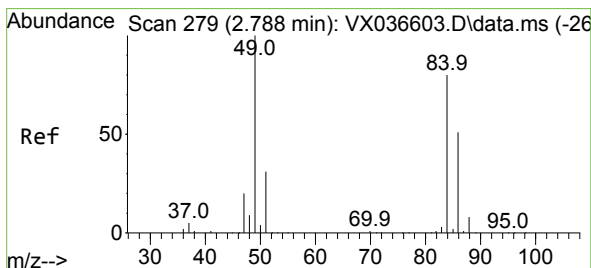
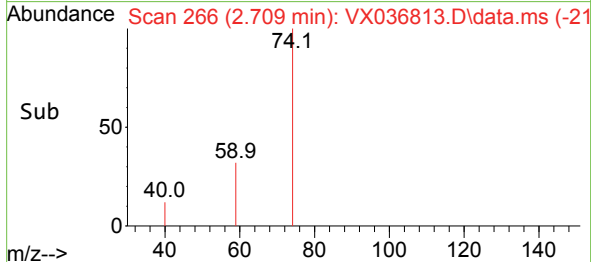
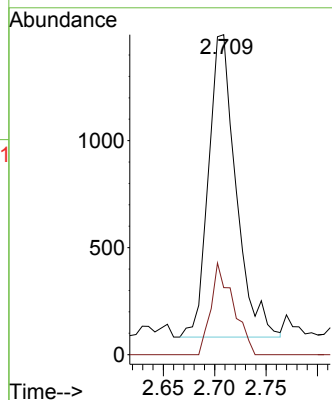
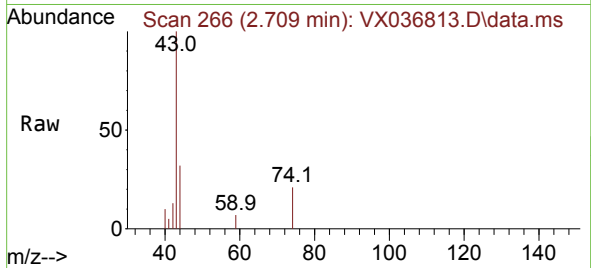




#18
Methyl Acetate
Concen: 0.647 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX036813.D
Acq: 04 Aug 2023 16:19

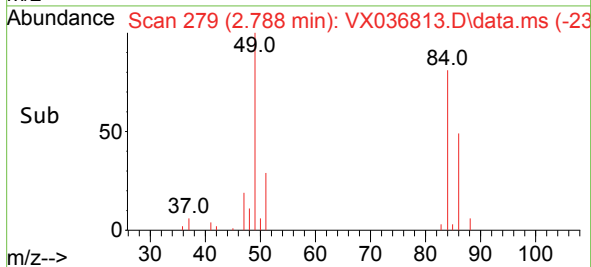
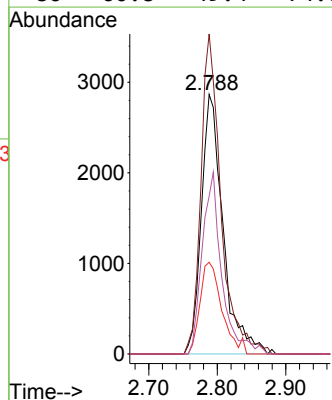
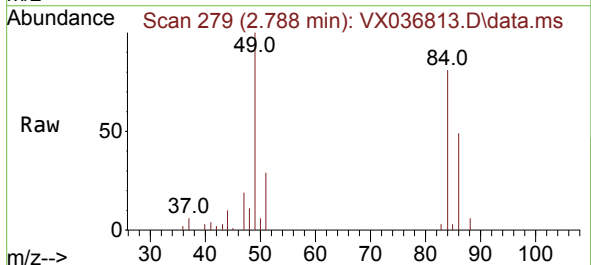
Instrument :
MSVOA_X
ClientSampleId :
ZHC#11

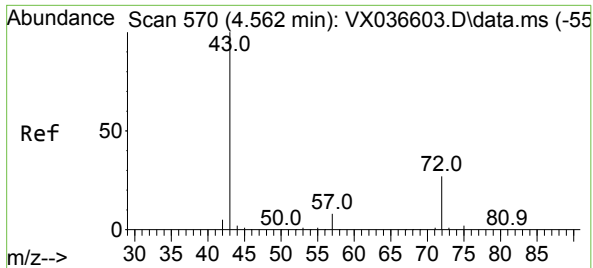
Tgt Ion: 43 Resp: 2633
Ion Ratio Lower Upper
43 100
74 24.5 17.8 26.8



#20
Methylene Chloride
Concen: 2.942 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036813.D
Acq: 04 Aug 2023 16:19

Tgt Ion: 84 Resp: 6324
Ion Ratio Lower Upper
84 100
49 123.3 103.6 155.4
51 35.3 33.8 50.6
86 60.8 49.4 74.0

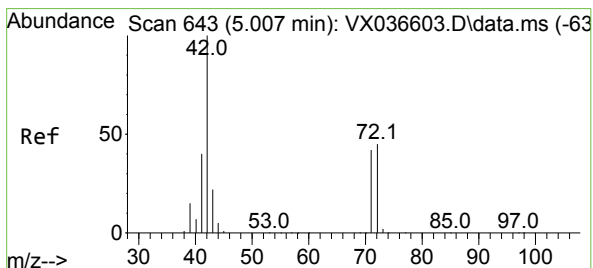
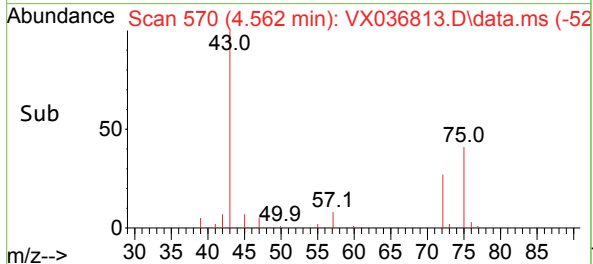
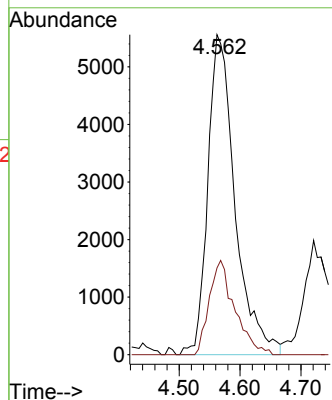
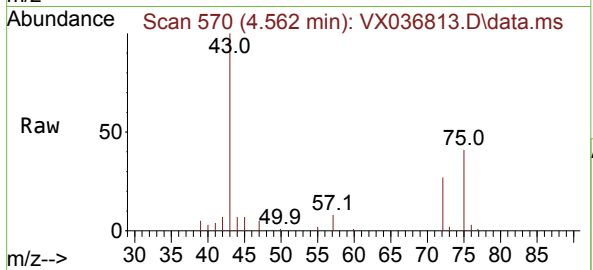




#25
2-Butanone
Concen: 10.985 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX036813.D
Acq: 04 Aug 2023 16:19

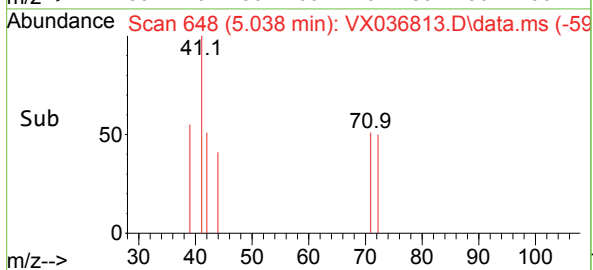
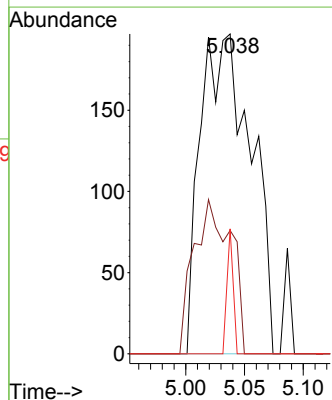
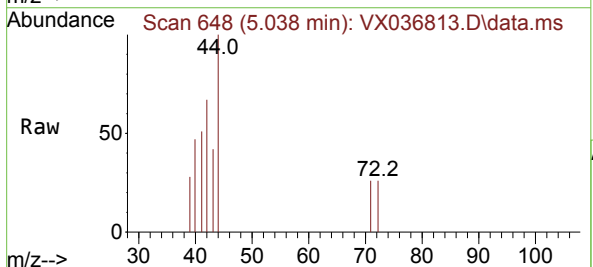
Instrument :
MSVOA_X
ClientSampleId :
ZHC#11

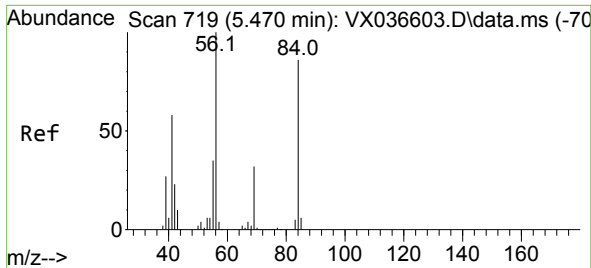
Tgt Ion: 43 Resp: 17229
Ion Ratio Lower Upper
43 100
72 27.1 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.584 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.031 min
Lab File: VX036813.D
Acq: 04 Aug 2023 16:19

Tgt Ion: 42 Resp: 591
Ion Ratio Lower Upper
42 100
72 35.5 34.2 51.4
71 4.7 32.2 48.2#

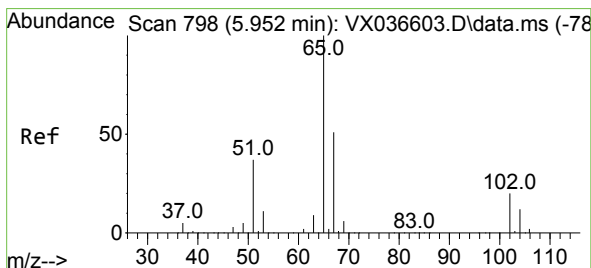
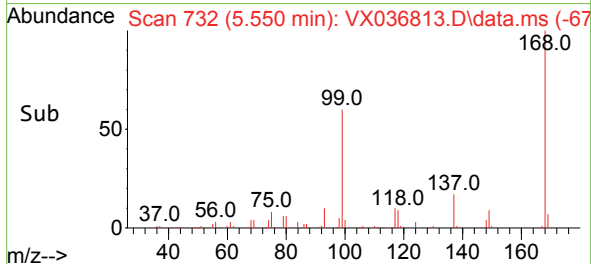
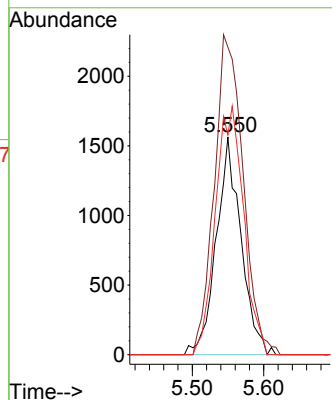
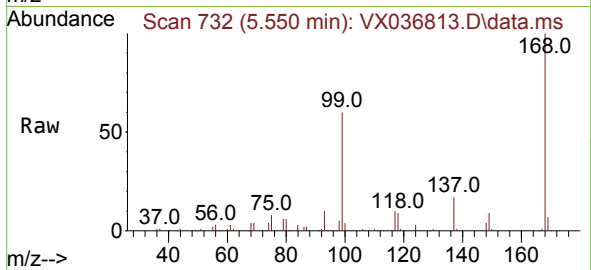




#31
Cyclohexane
Concen: 1.166 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036813.D
Acq: 04 Aug 2023 16:19

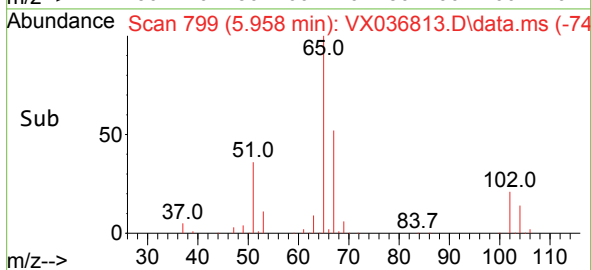
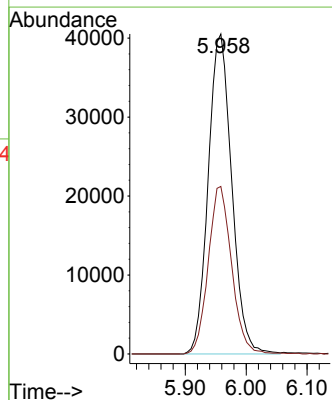
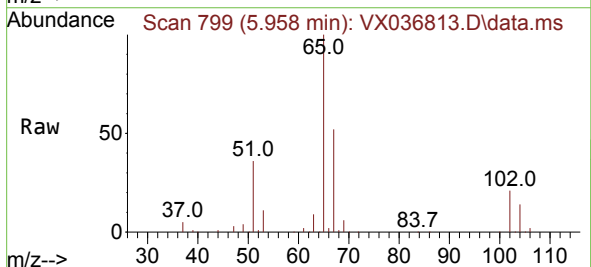
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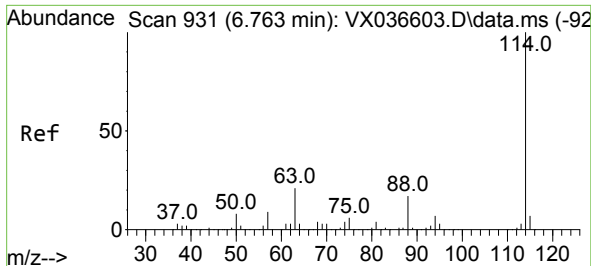
Tgt Ion: 56 Resp: 3760
Ion Ratio Lower Upper
56 100
69 141.3 23.4 35.2#
84 101.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.684 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036813.D
Acq: 04 Aug 2023 16:19

Tgt Ion: 65 Resp: 108753
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.2

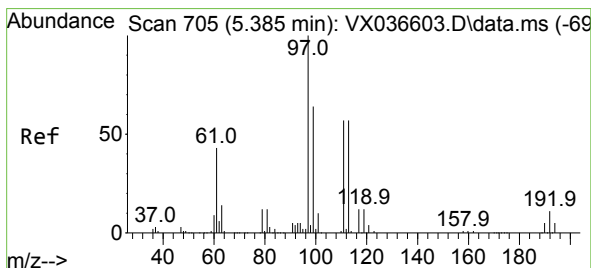
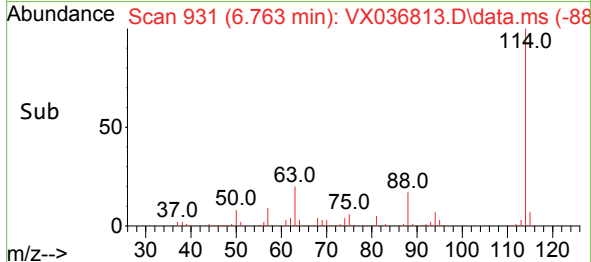
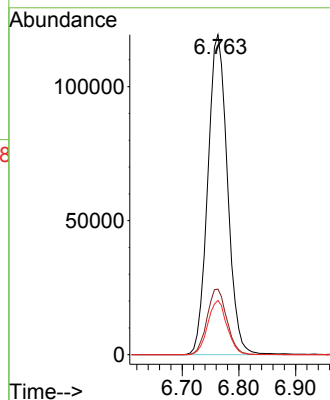
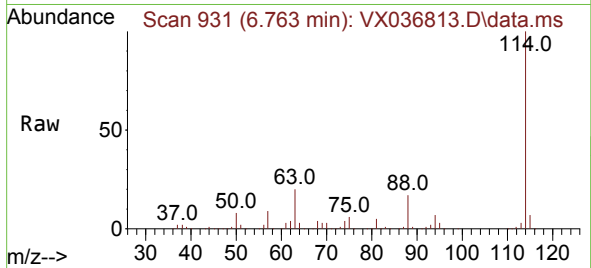




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX036813.D
 Acq: 04 Aug 2023 16:19

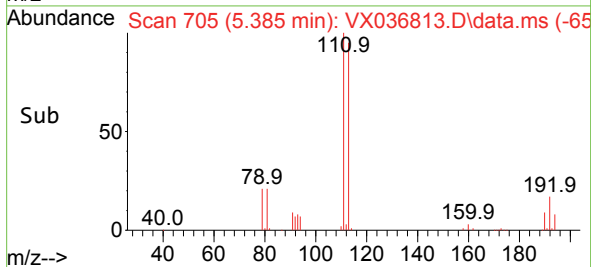
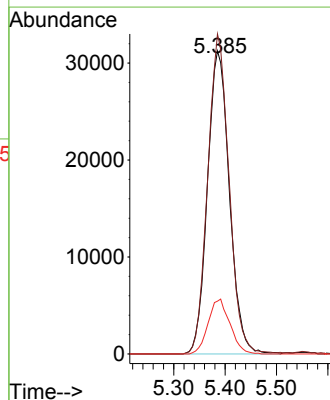
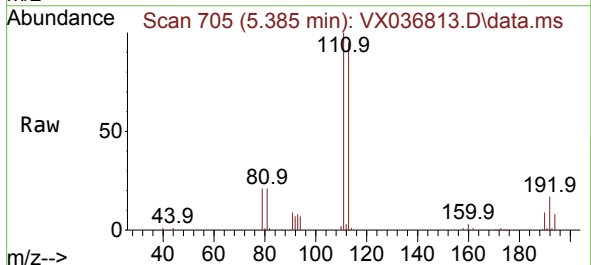
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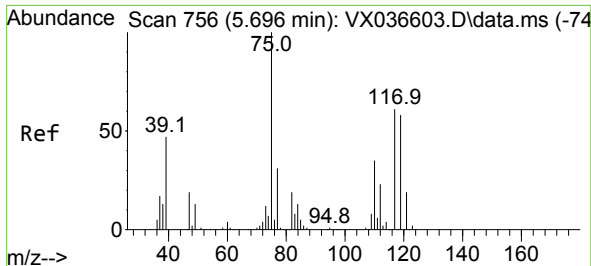
Tgt Ion:114 Resp: 287532
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 45.0
 88 16.9 0.0 36.6



#35
 Dibromofluoromethane
 Concen: 46.879 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: VX036813.D
 Acq: 04 Aug 2023 16:19

Tgt Ion:113 Resp: 92648
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.9 124.3
 192 18.0 13.3 19.9

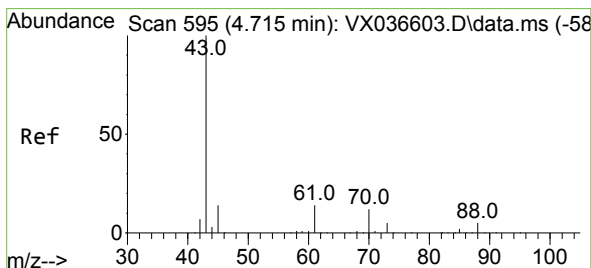
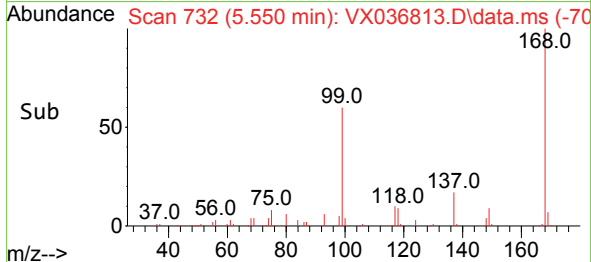
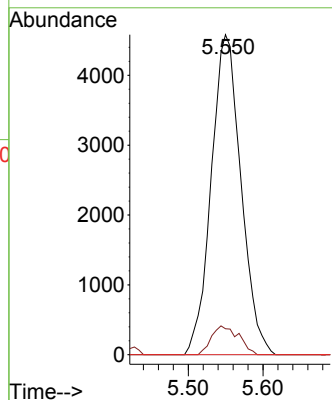
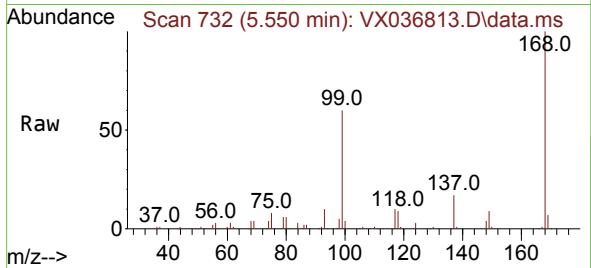




#36
1,1-Dichloropropene
Concen: 4.304 ug/l
RT: 5.550 min Scan# 756
Delta R.T. -0.146 min
Lab File: VX036813.D
Acq: 04 Aug 2023 16:19

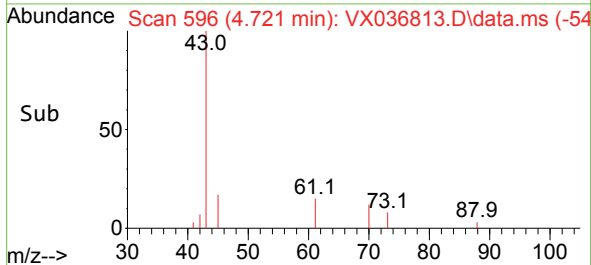
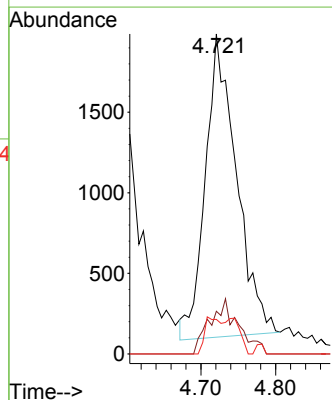
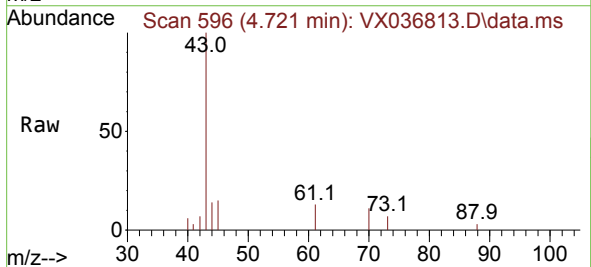
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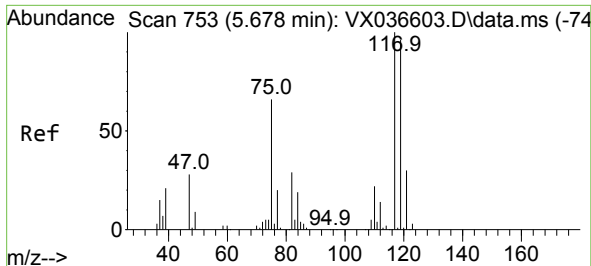
Tgt Ion: 75 Resp: 12679
Ion Ratio Lower Upper
75 100
110 8.2 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.627 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX036813.D
Acq: 04 Aug 2023 16:19

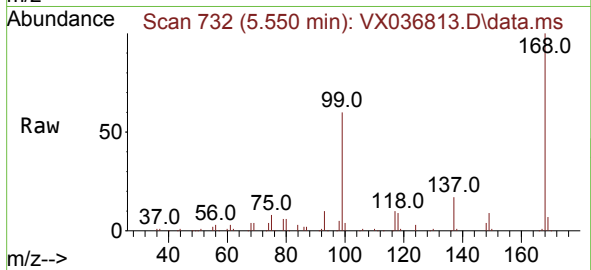
Tgt Ion: 43 Resp: 5424
Ion Ratio Lower Upper
43 100
61 16.9 10.6 16.0#
70 0.0 8.3 12.5#



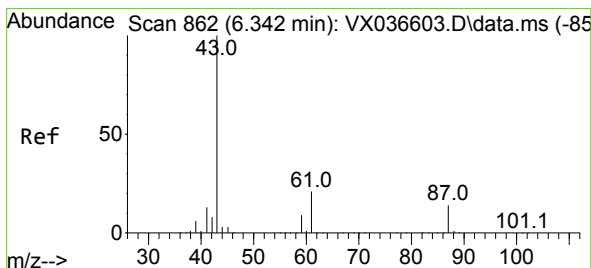
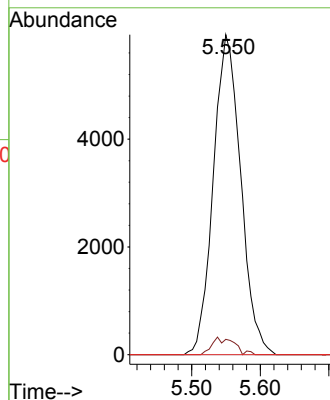
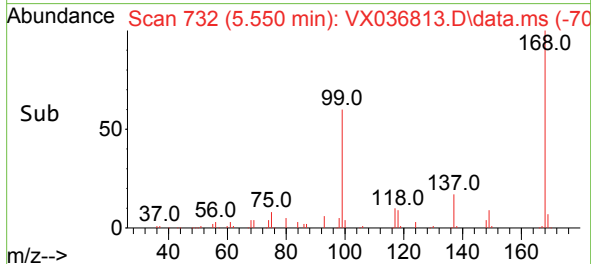


#38
Carbon Tetrachloride
Concen: 5.264 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX036813.D
Acq: 04 Aug 2023 16:19

Instrument :
MSVOA_X
ClientSampleId :
ZHC#11

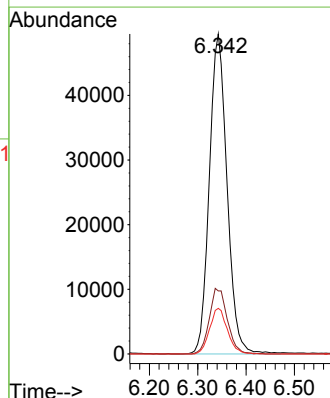
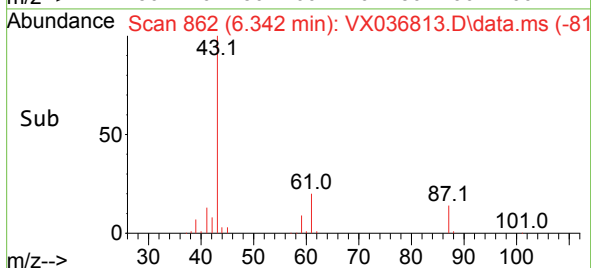
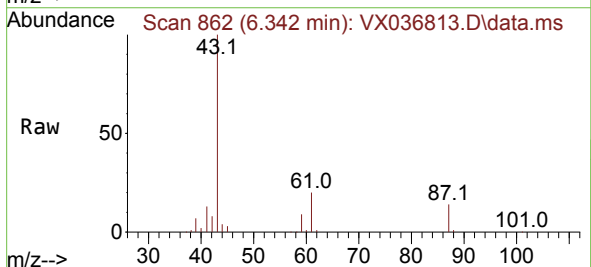


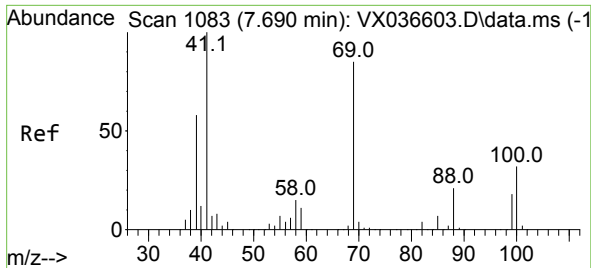
Tgt Ion:117 Resp: 16486
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 21.937 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036813.D
Acq: 04 Aug 2023 16:19

Tgt Ion: 43 Resp: 125901
Ion Ratio Lower Upper
43 100
61 20.8 15.2 22.8
87 14.2 9.8 14.6

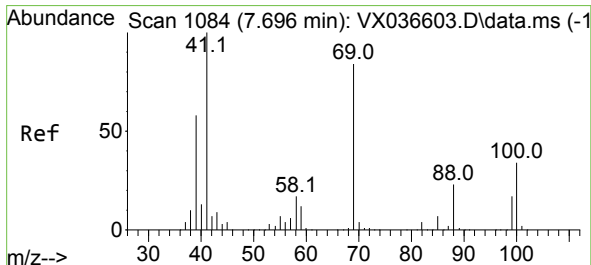
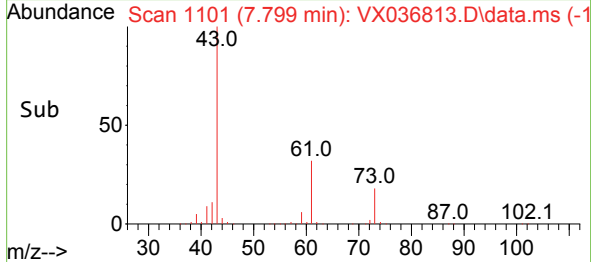
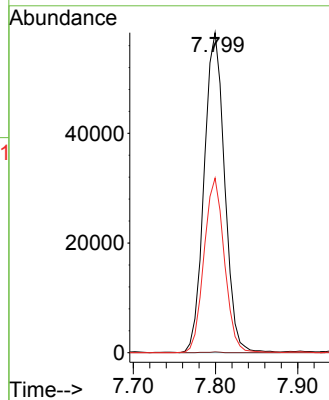
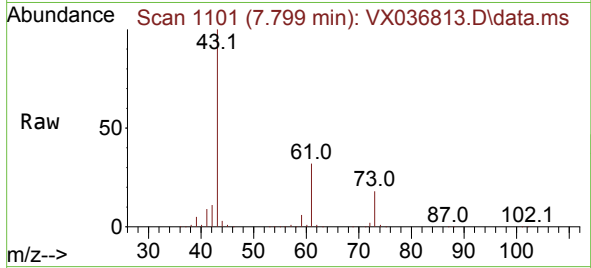




#48
Methyl methacrylate
Concen: 37.894 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036813.D
Acq: 04 Aug 2023 16:19

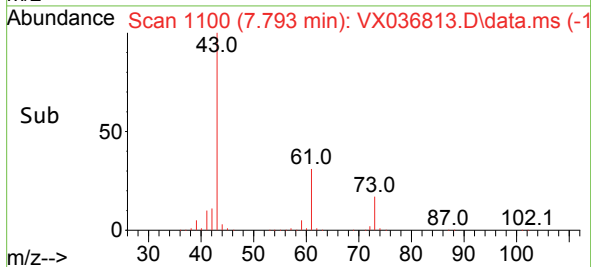
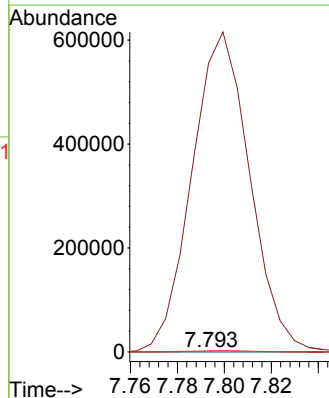
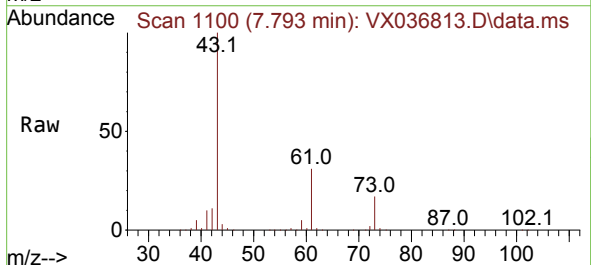
Instrument :
MSVOA_X
ClientSampleId :
ZHC#11

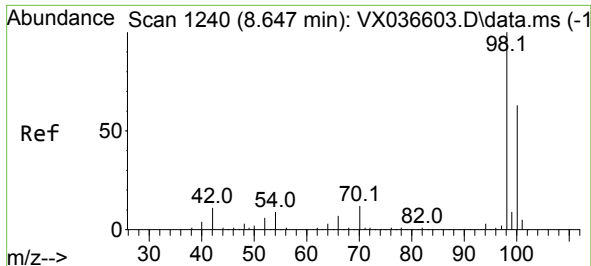
Tgt Ion: 41 Resp: 101141
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 54.3 47.7 71.5



#49
1,4-Dioxane
Concen: 3.060 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.098 min
Lab File: VX036813.D
Acq: 04 Aug 2023 16:19

Tgt Ion: 88 Resp: 165
Ion Ratio Lower Upper
88 100
43 644532.1 0.0 0.0#
58 2743.6 60.1 90.1#

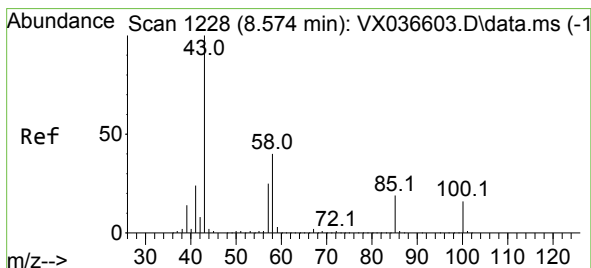
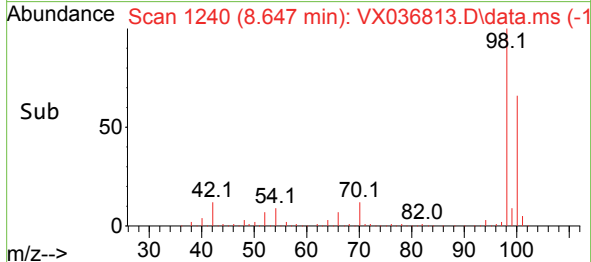
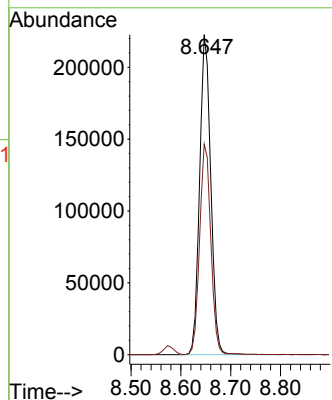
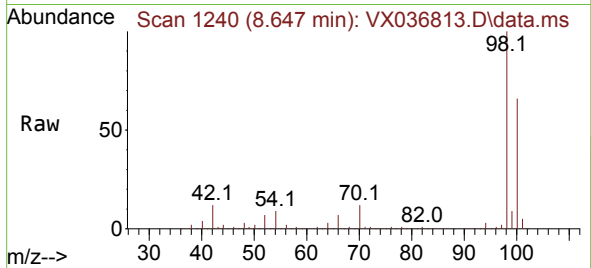




#50
Toluene-d8
Concen: 49.325 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036813.D
Acq: 04 Aug 2023 16:19

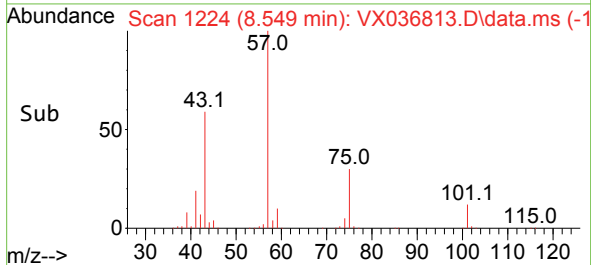
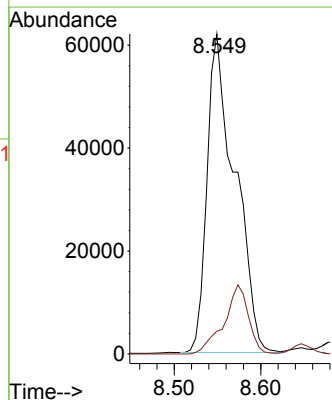
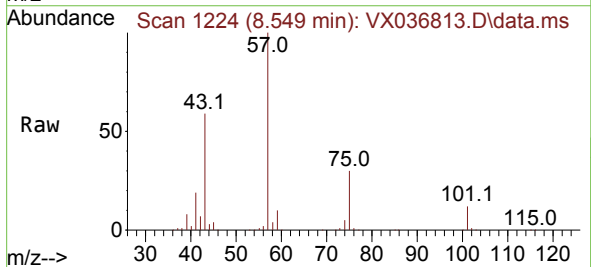
Instrument :
MSVOA_X
ClientSampleId :
ZHC#11

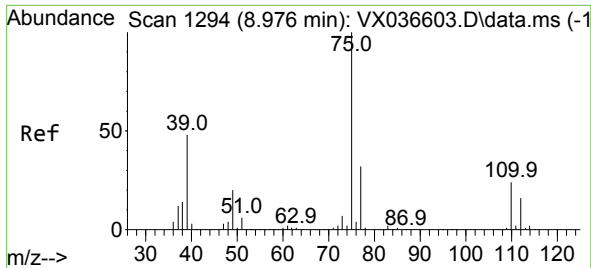
Tgt Ion: 98 Resp: 345693
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 43.558 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX036813.D
Acq: 04 Aug 2023 16:19

Tgt Ion: 43 Resp: 138342
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

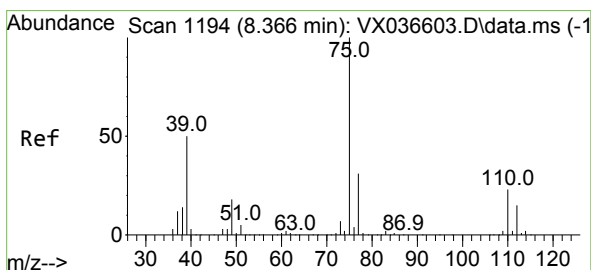
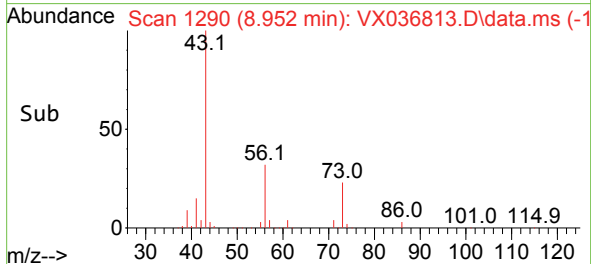
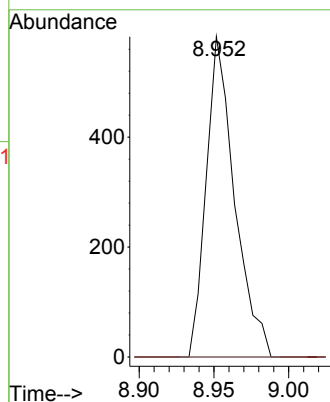
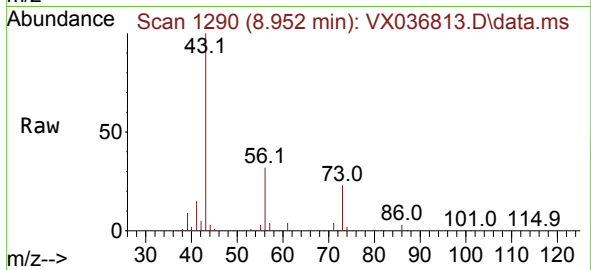




#53
 t-1,3-Dichloropropene
 Concen: 0.207 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX036813.D
 Acq: 04 Aug 2023 16:19

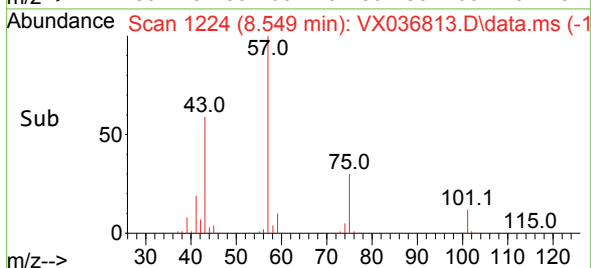
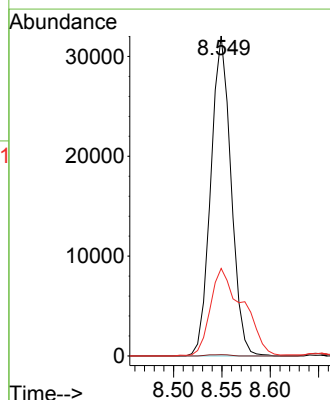
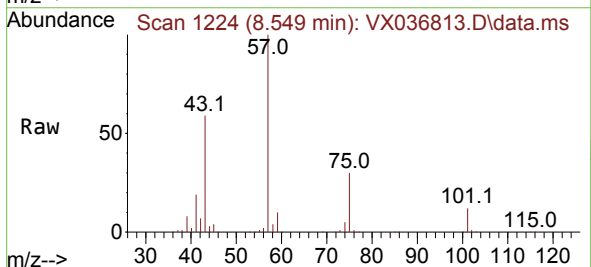
Instrument :
 MSVOA_X
 ClientSampleId :
 ZHC#11

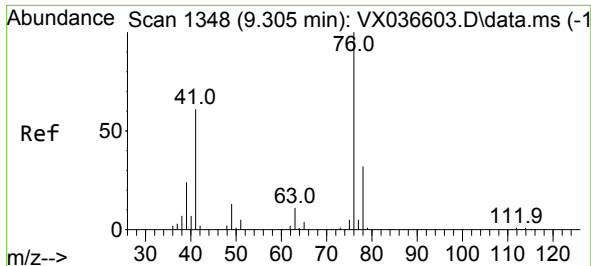
Tgt Ion: 75 Resp: 770
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 11.914 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036813.D
 Acq: 04 Aug 2023 16:19

Tgt Ion: 75 Resp: 46708
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 27.1 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.535 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036813.D

Acq: 04 Aug 2023 16:19

Instrument :

MSVOA_X

ClientSampleId :

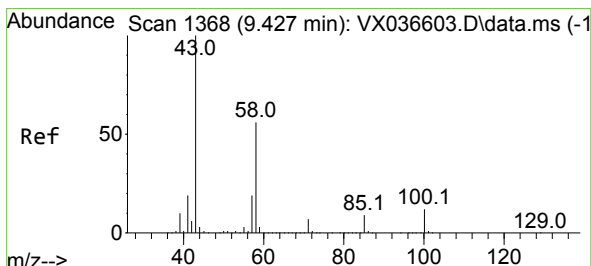
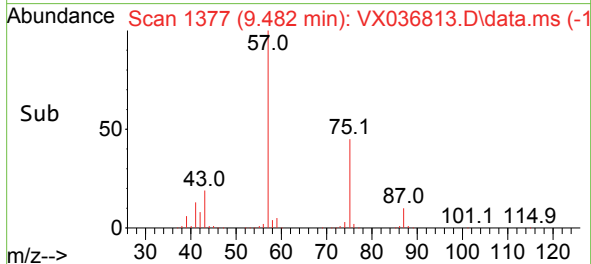
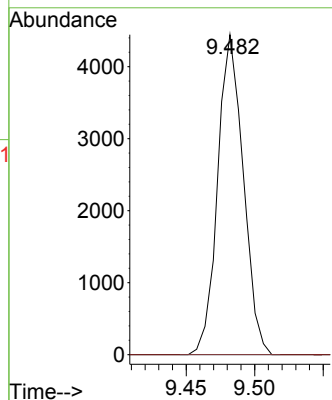
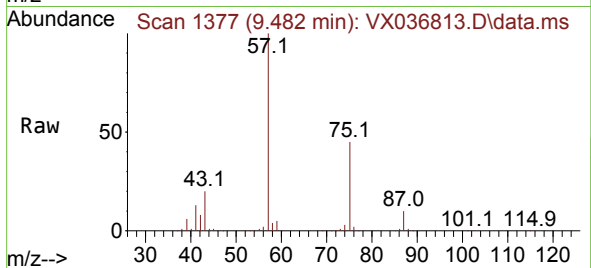
ZHC#11

Tgt Ion: 76 Resp: 5770

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 45.917 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX036813.D

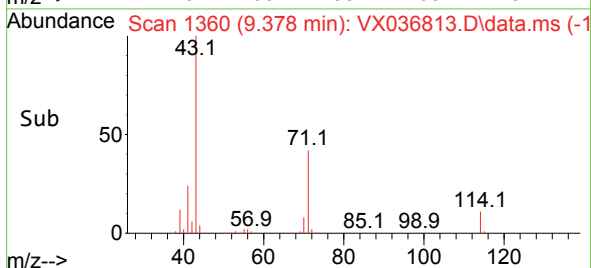
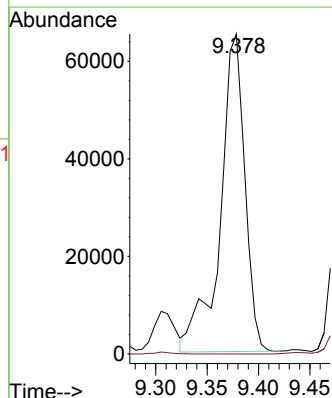
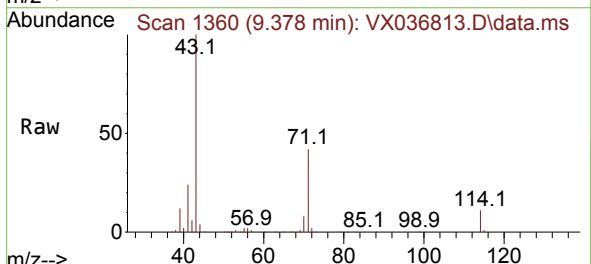
Acq: 04 Aug 2023 16:19

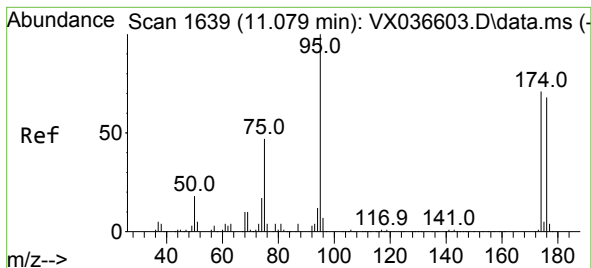
Tgt Ion: 43 Resp: 108233

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

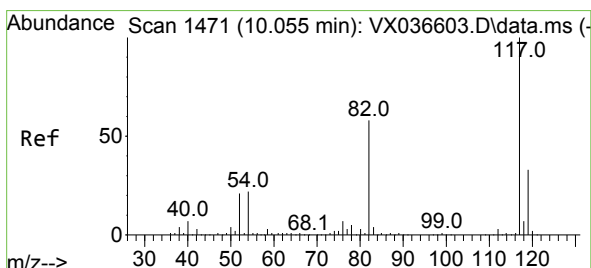
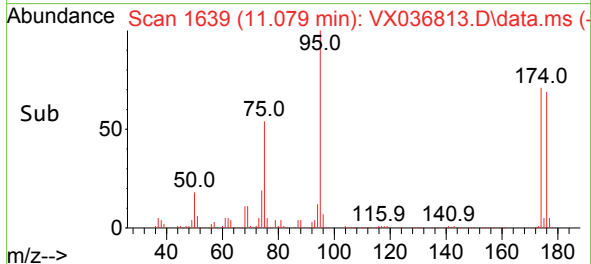
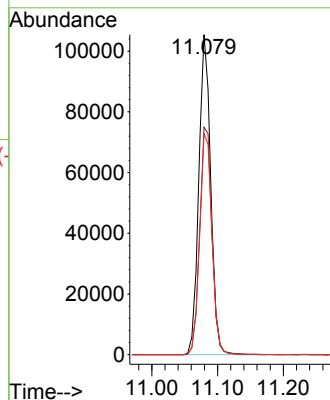
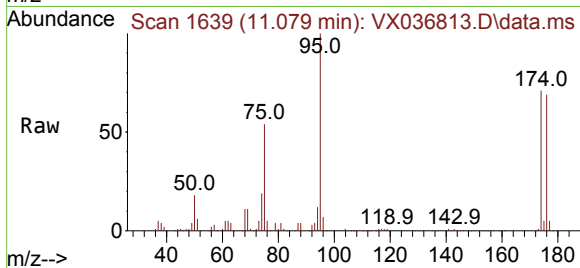




#62
4-Bromofluorobenzene
Concen: 49.972 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036813.D
Acq: 04 Aug 2023 16:19

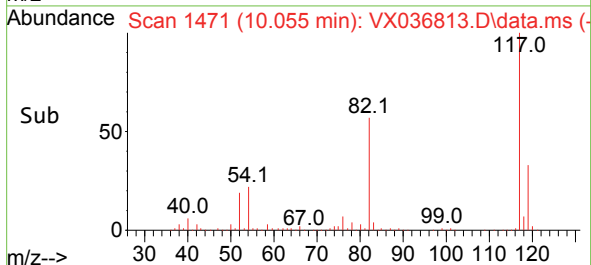
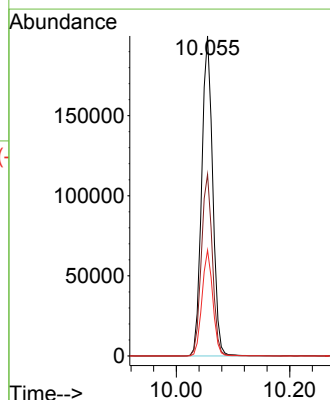
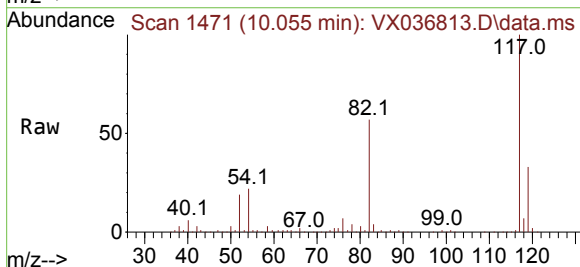
Instrument :
MSVOA_X
ClientSampleId :
ZHC#11

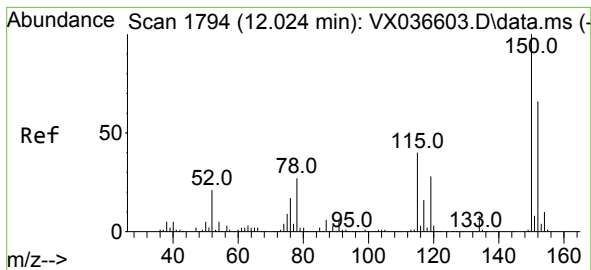
Tgt Ion: 95 Resp: 132135
Ion Ratio Lower Upper
95 100
174 73.8 0.0 135.6
176 71.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036813.D
Acq: 04 Aug 2023 16:19

Tgt Ion: 117 Resp: 269406
Ion Ratio Lower Upper
117 100
82 56.7 46.2 69.4
119 33.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX036813.D

Acq: 04 Aug 2023 16:19

Instrument :

MSVOA_X

ClientSampleId :

ZHC#11

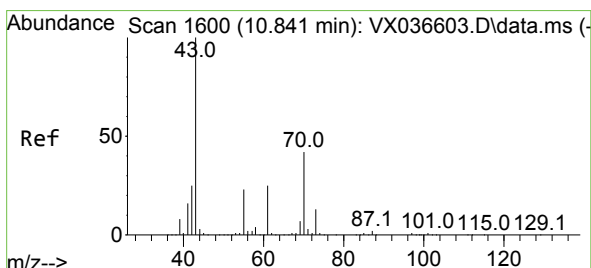
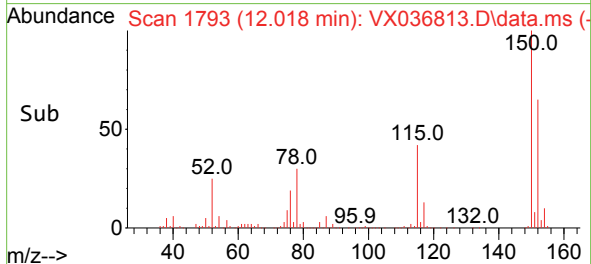
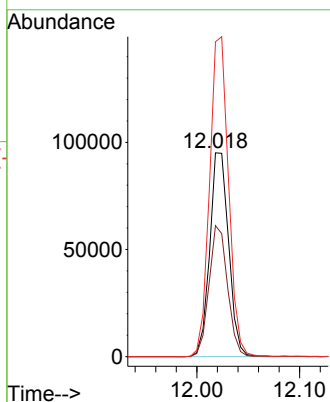
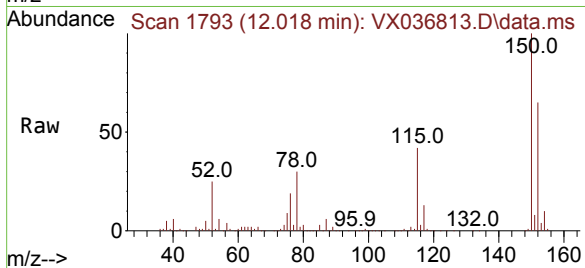
Tgt Ion:152 Resp: 121694

Ion Ratio Lower Upper

152 100

115 63.0 43.3 129.9

150 156.6 0.0 345.0



#74

N-ethyl acetate

Concen: 5.535 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX036813.D

Acq: 04 Aug 2023 16:19

Tgt Ion: 43 Resp: 25993

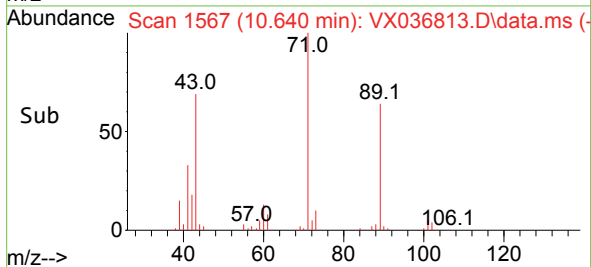
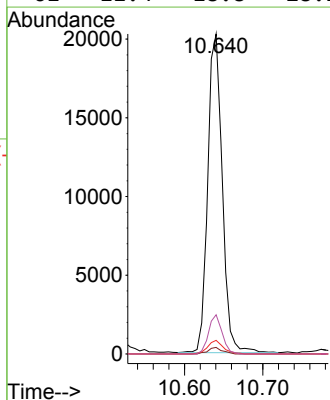
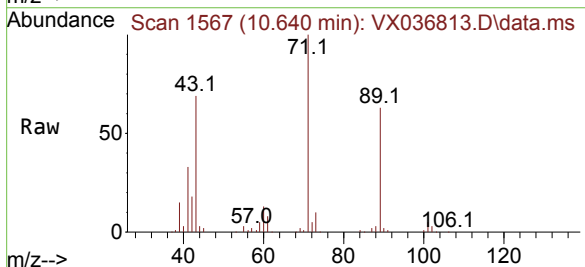
Ion Ratio Lower Upper

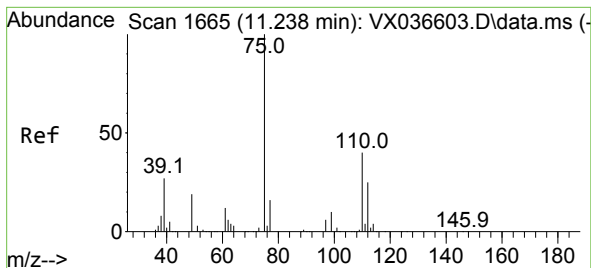
43 100

70 2.0 32.9 49.3#

55 4.6 19.3 28.9#

61 11.4 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 24.468 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX036813.D

Acq: 04 Aug 2023 16:19

Instrument :

MSVOA_X

ClientSampleId :

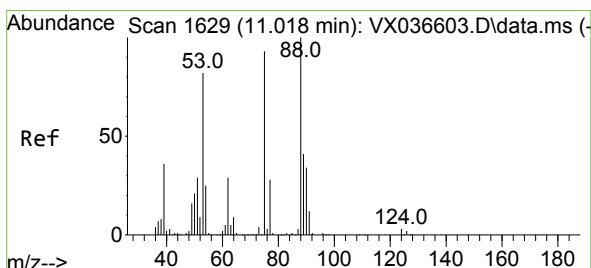
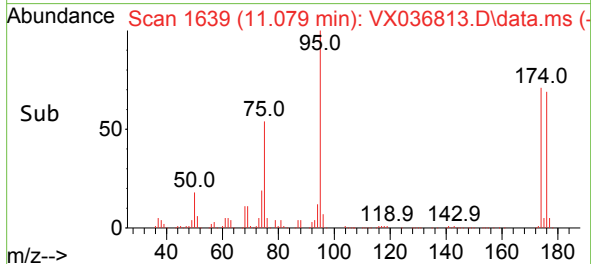
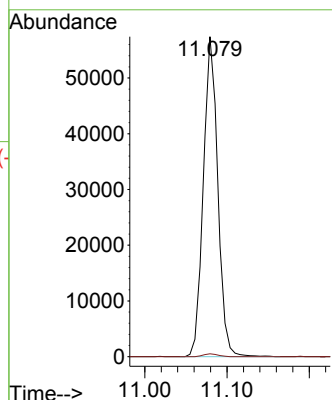
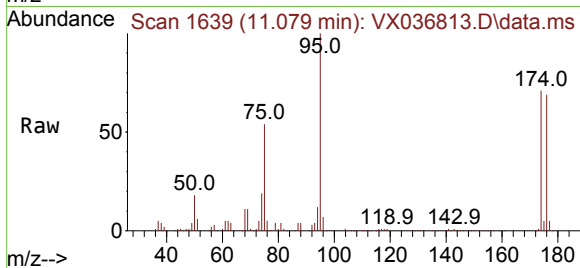
ZHC#11

Tgt Ion: 75 Resp: 70038

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.459 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036813.D

Acq: 04 Aug 2023 16:19

Tgt Ion: 75 Resp: 70038

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

