

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071823\
 Data File : VY014702.D
 Acq On : 18 Jul 2023 15:20
 Operator : SY/MD
 Sample : 03640-21
 Misc : 5.30g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP12

Quant Time: Jul 19 04:05:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

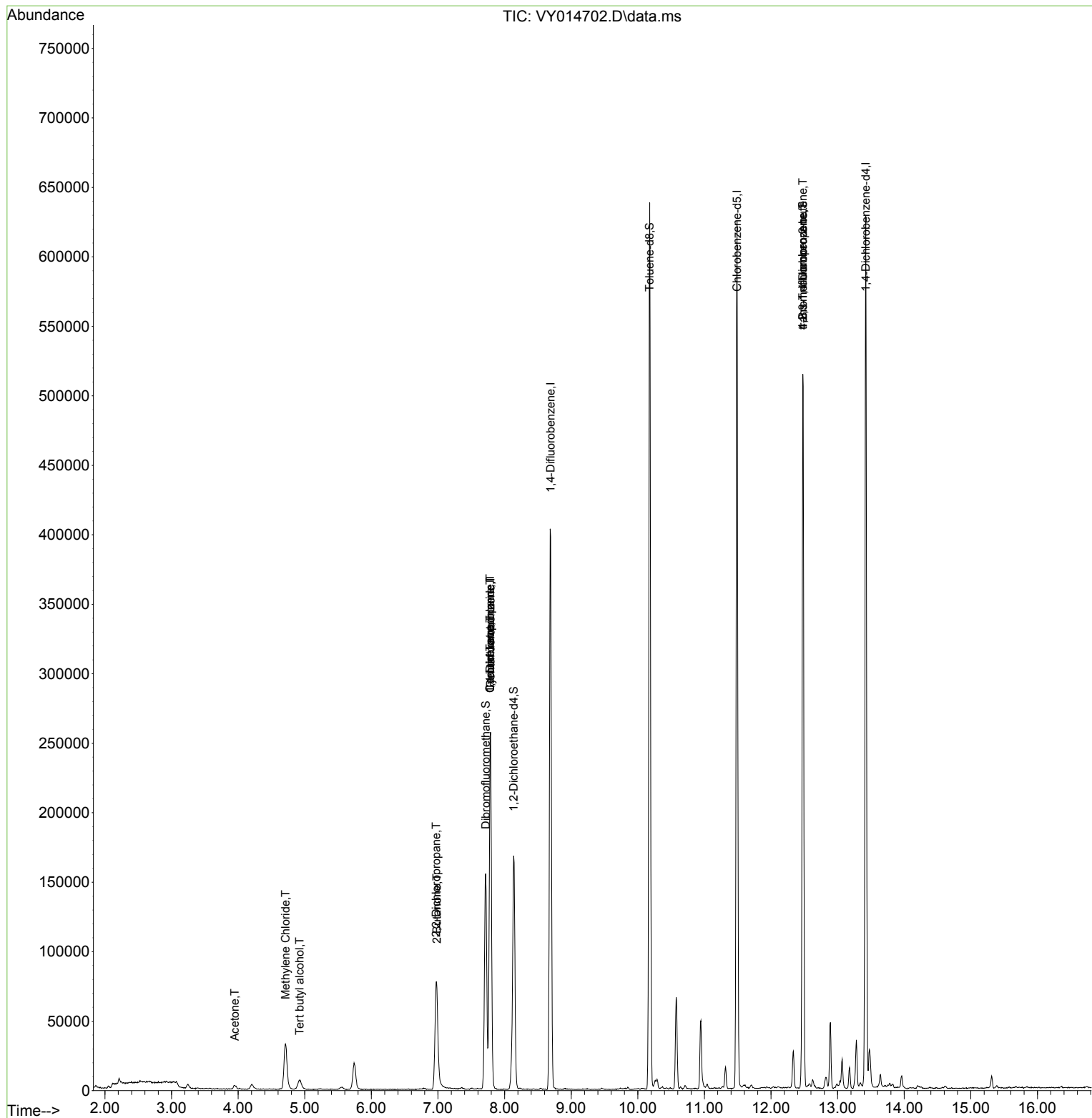
Internal Standards						
1) Pentafluorobenzene	7.789	168	202596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	355267	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	334726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	156832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	125651	54.426	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.860%			
35) Dibromofluoromethane	7.716	113	112205	49.614	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.220%			
50) Toluene-d8	10.179	98	417737	50.101	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.200%			
62) 4-Bromofluorobenzene	12.477	95	157759	49.345	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.700%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.923	59	7409	3.792	ug/l #	92
16) Acetone	3.948	43	5657	7.733	ug/l	92
20) Methylene Chloride	4.710	84	25657	7.179	ug/l	92
25) 2-Butanone	6.984	43	4520	4.223	ug/l #	78
26) 2,2-Dichloropropane	6.972	77	6087	1.550	ug/l #	54
31) Cyclohexane	7.783	56	4422	1.154	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	15946	4.715	ug/l #	50
38) Carbon Tetrachloride	7.783	117	20052	5.609	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	82943	41.875	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	82943	81.077	ug/l #	11

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

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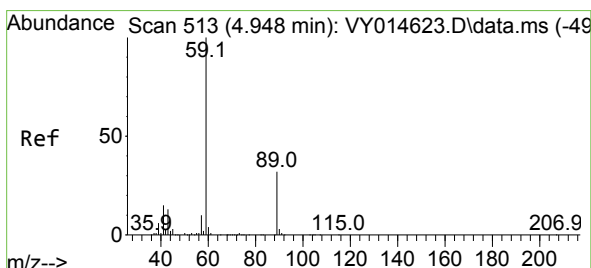
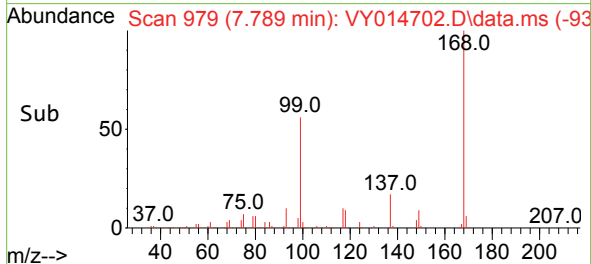
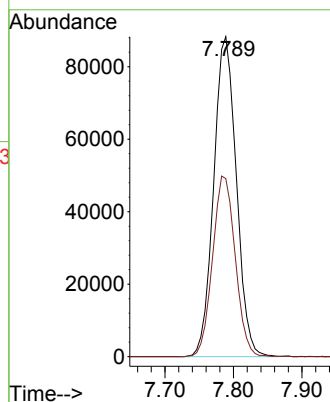
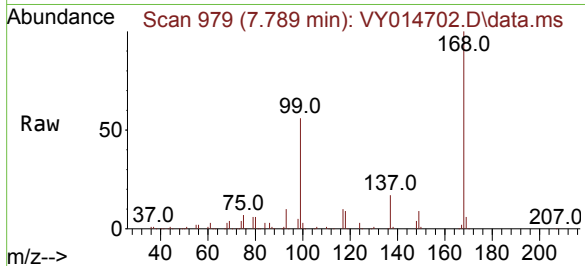




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014702.D
Acq: 18 Jul 2023 15:20

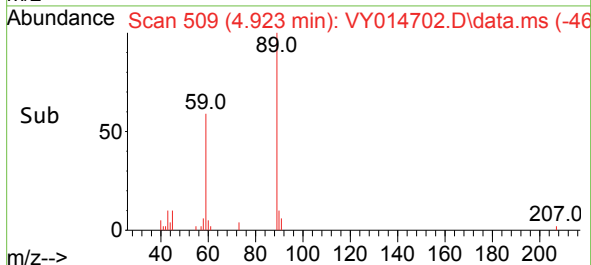
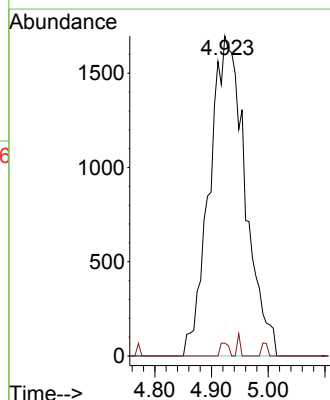
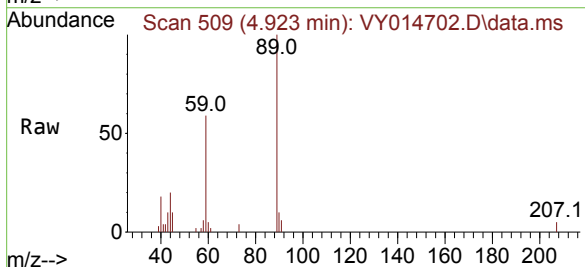
Instrument :
MSVOA_Y
ClientSampleId :
TP12

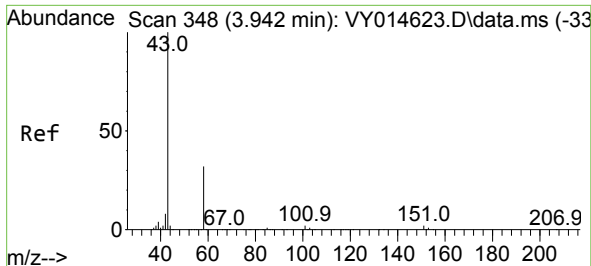
Tgt Ion:168 Resp: 202596
Ion Ratio Lower Upper
168 100
99 55.7 43.4 65.0



#11
Tert butyl alcohol
Concen: 3.792 ug/l
RT: 4.923 min Scan# 509
Delta R.T. -0.025 min
Lab File: VY014702.D
Acq: 18 Jul 2023 15:20

Tgt Ion: 59 Resp: 7409
Ion Ratio Lower Upper
59 100
57 0.9 3.0 4.4#





#16

Acetone

Concen: 7.733 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY014702.D

Acq: 18 Jul 2023 15:20

Instrument :

MSVOA_Y

ClientSampleId :

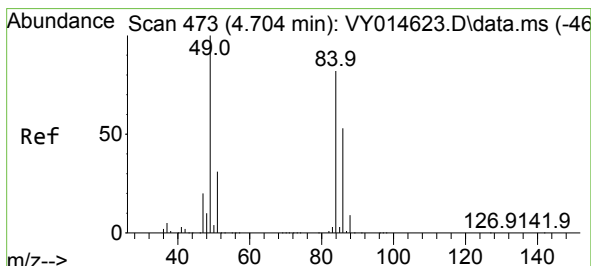
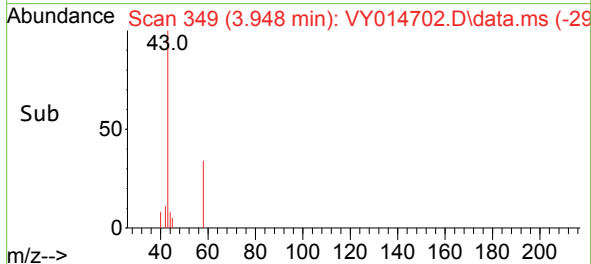
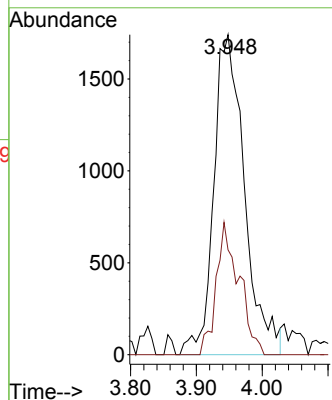
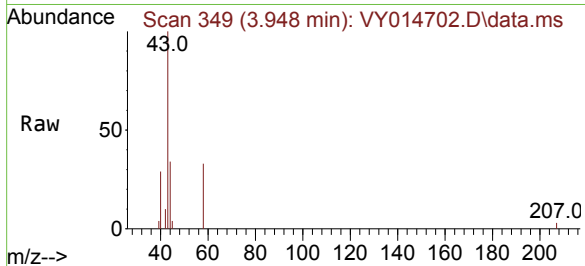
TP12

Tgt Ion: 43 Resp: 5657

Ion Ratio Lower Upper

43 100

58 32.7 22.7 34.1



#20

Methylene Chloride

Concen: 7.179 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY014702.D

Acq: 18 Jul 2023 15:20

Tgt Ion: 84 Resp: 25657

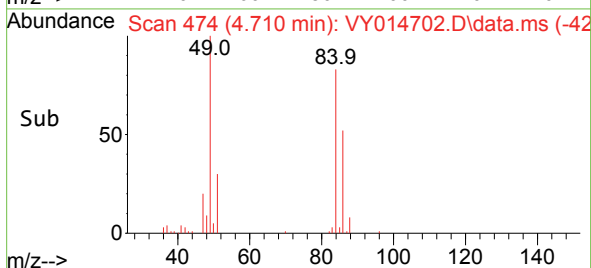
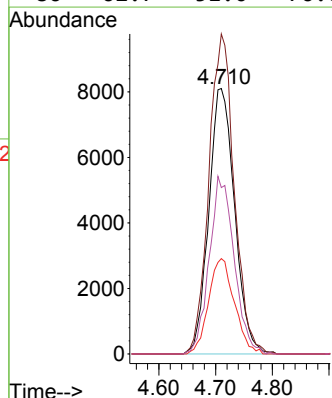
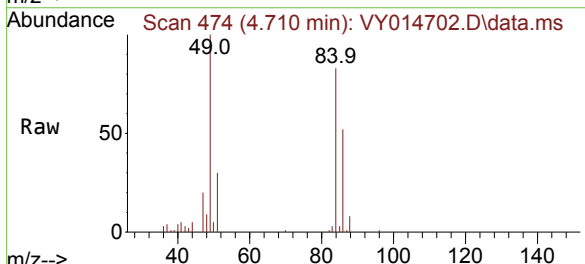
Ion Ratio Lower Upper

84 100

49 120.5 106.9 160.3

51 35.9 33.2 49.8

86 62.7 51.0 76.6

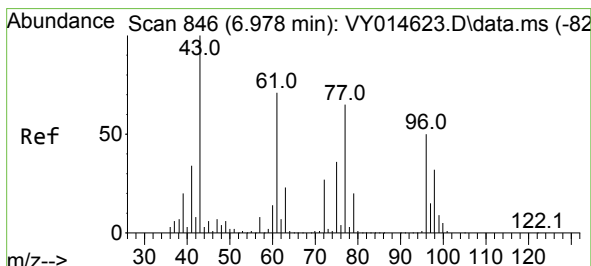
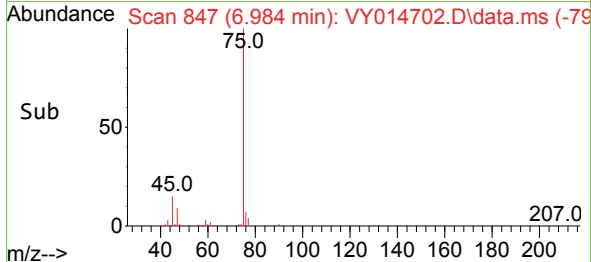
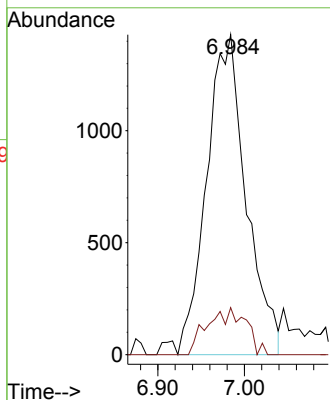
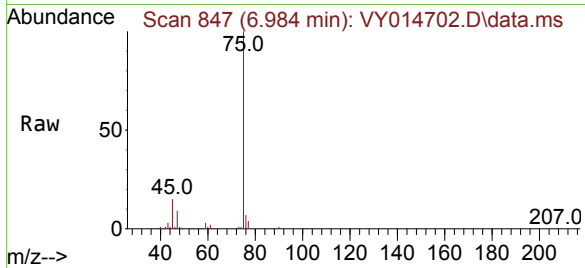




#25
2-Butanone
Concen: 4.223 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY014702.D
Acq: 18 Jul 2023 15:20

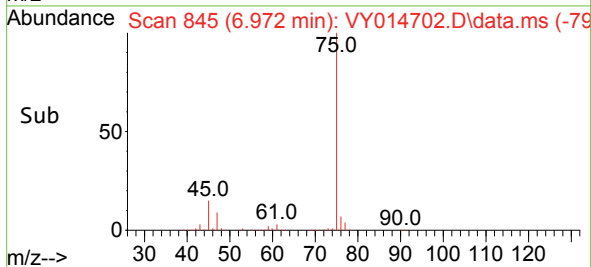
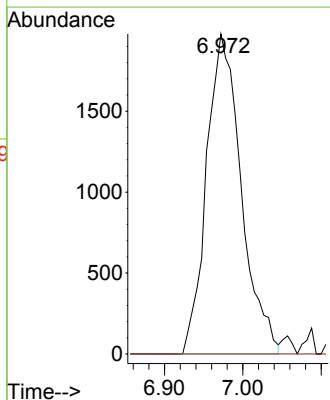
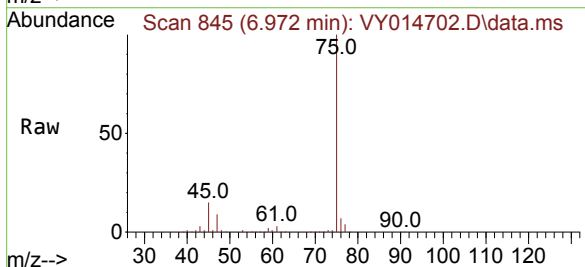
Instrument :
MSVOA_Y
ClientSampleId :
TP12

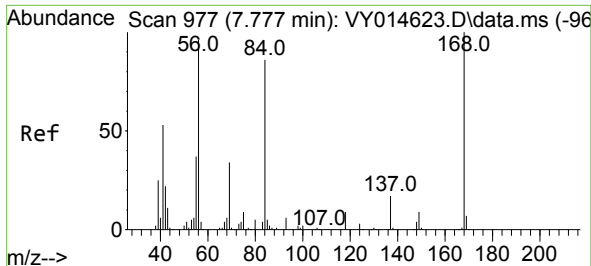
Tgt Ion: 43 Resp: 4520
Ion Ratio Lower Upper
43 100
72 14.7 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.550 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014702.D
Acq: 18 Jul 2023 15:20

Tgt Ion: 77 Resp: 6087
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

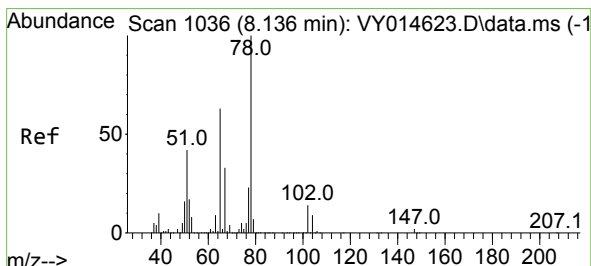
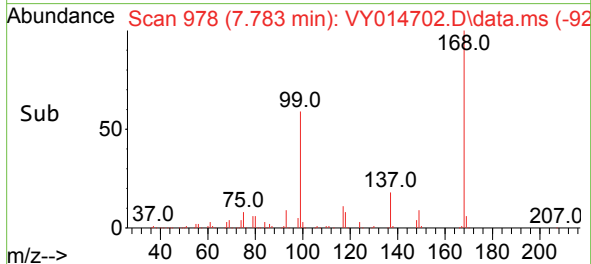
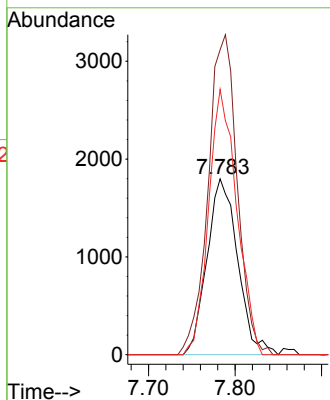
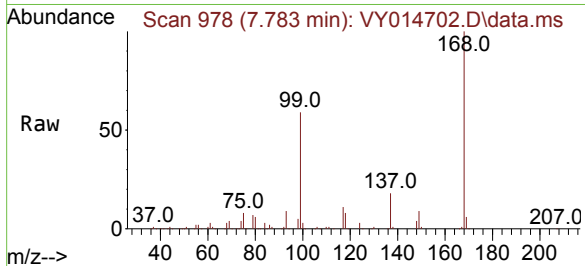




#31
Cyclohexane
Concen: 1.154 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014702.D
Acq: 18 Jul 2023 15:20

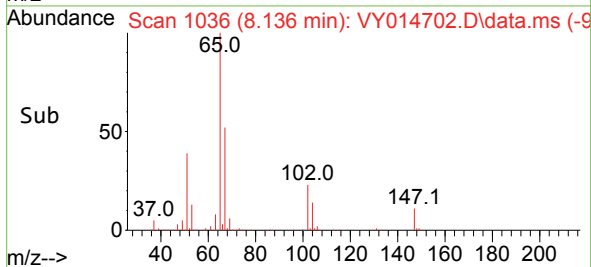
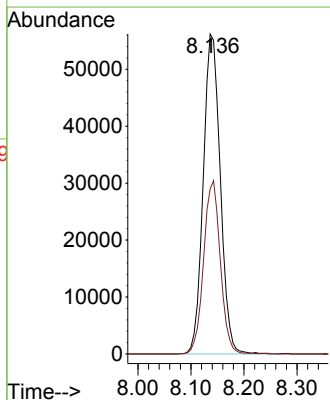
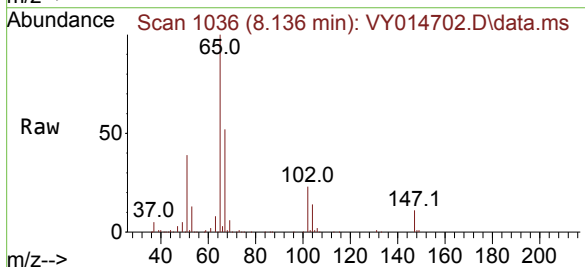
Instrument :
MSVOA_Y
ClientSampleId :
TP12

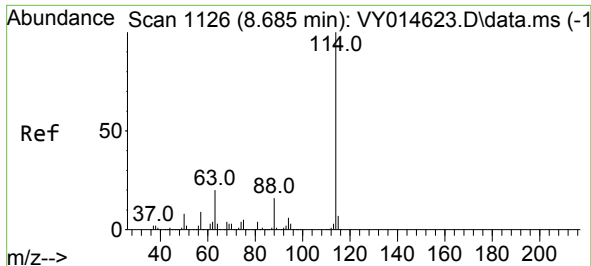
Tgt Ion: 56 Resp: 4422
Ion Ratio Lower Upper
56 100
69 173.5 27.8 41.6#
84 150.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.426 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014702.D
Acq: 18 Jul 2023 15:20

Tgt Ion: 65 Resp: 125651
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY014702.D

Acq: 18 Jul 2023 15:20

Instrument :

MSVOA_Y

ClientSampleId :

TP12

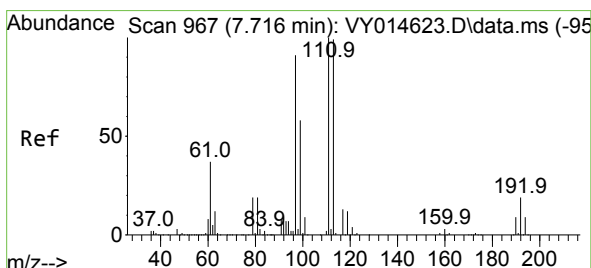
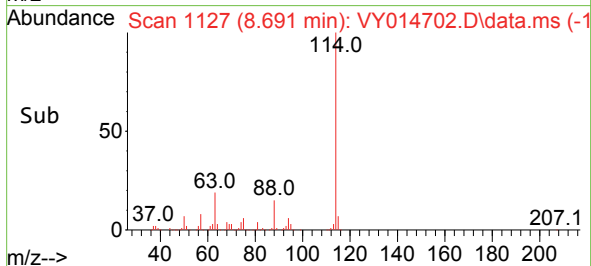
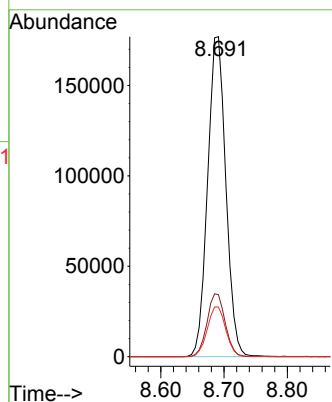
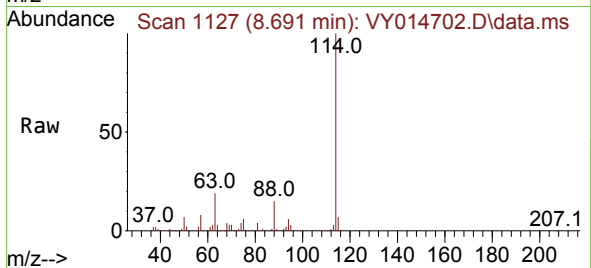
Tgt Ion:114 Resp: 355267

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.614 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014702.D

Acq: 18 Jul 2023 15:20

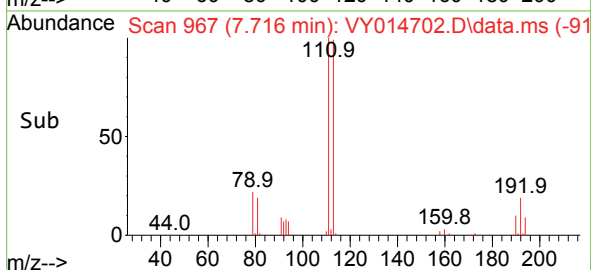
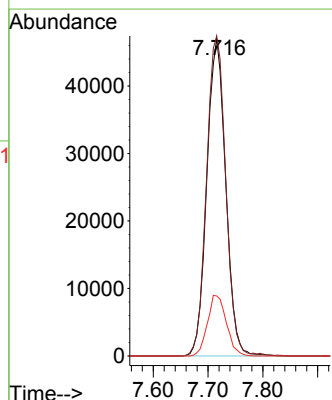
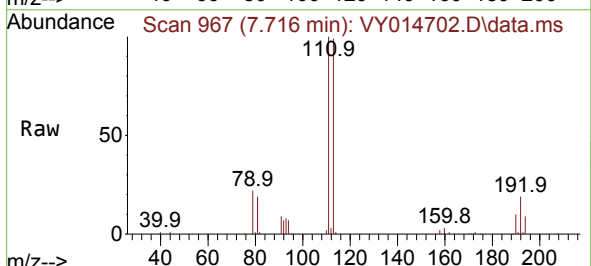
Tgt Ion:113 Resp: 112205

Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

192 19.2 16.9 25.3

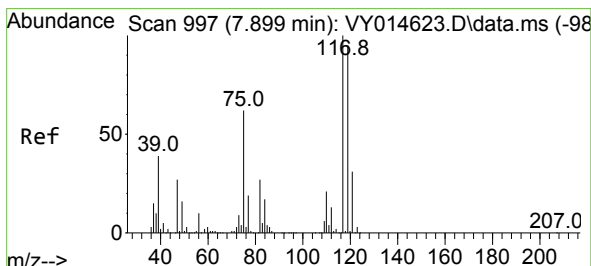
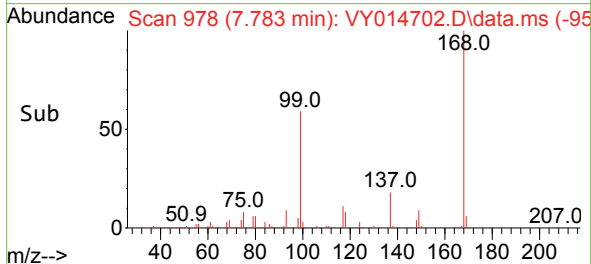
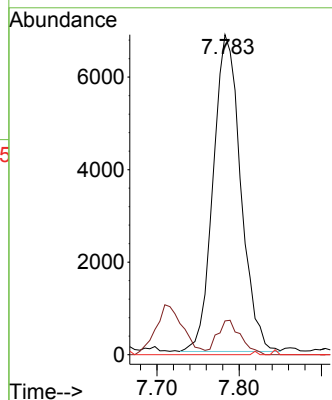
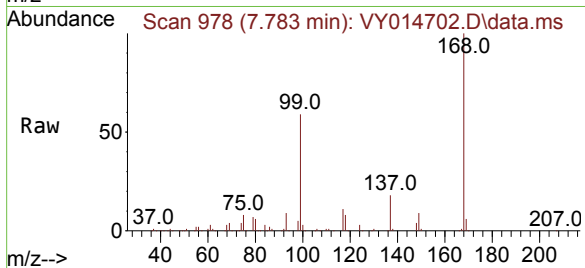




#36
1,1-Dichloropropene
Concen: 4.715 ug/l
RT: 7.783 min Scan# 912
Delta R.T. -0.128 min
Lab File: VY014702.D
Acq: 18 Jul 2023 15:20

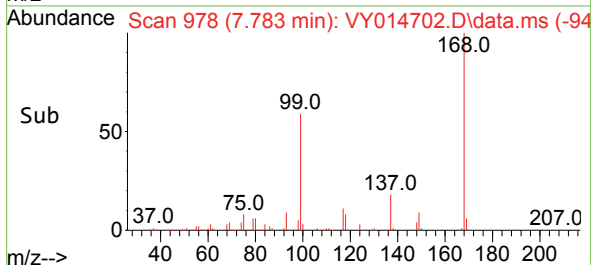
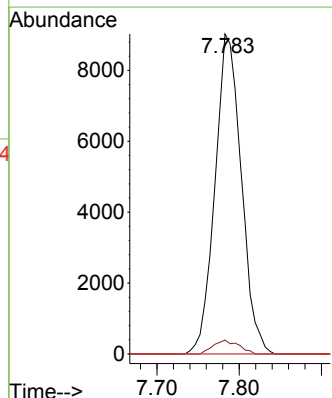
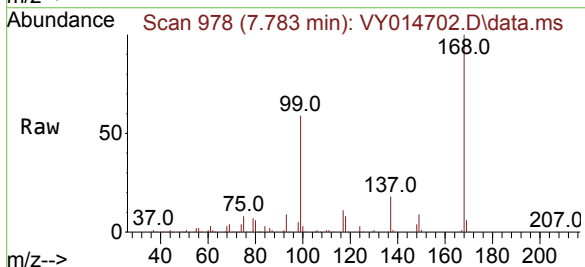
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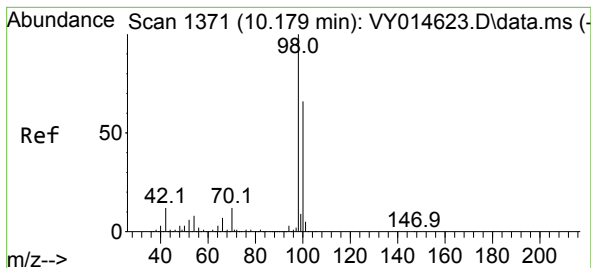
Tgt Ion: 75 Resp: 15946
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.609 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY014702.D
Acq: 18 Jul 2023 15:20

Tgt Ion: 117 Resp: 20052
Ion Ratio Lower Upper
117 100
119 4.3 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.101 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY014702.D

Acq: 18 Jul 2023 15:20

Instrument :

MSVOA_Y

ClientSampleId :

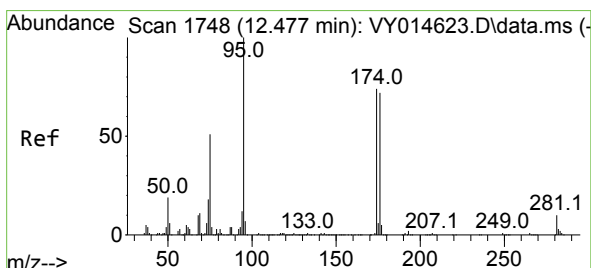
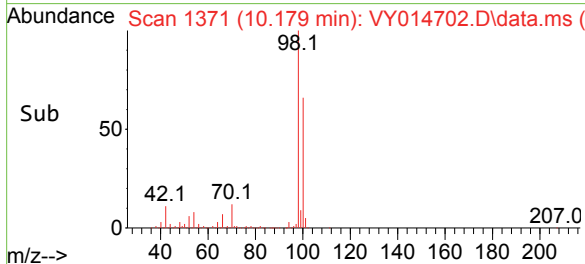
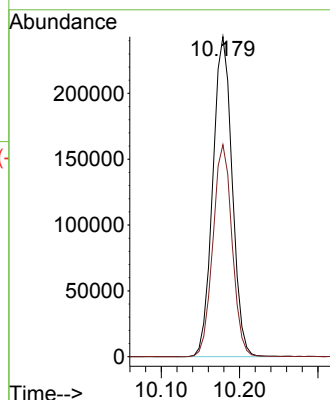
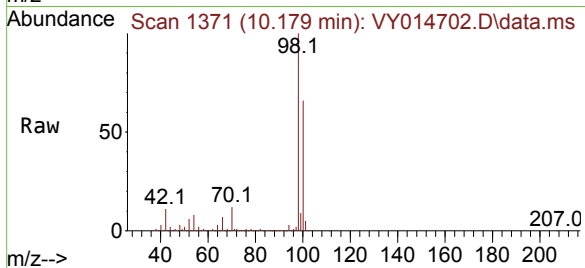
TP12

Tgt Ion: 98 Resp: 417737

Ion Ratio Lower Upper

98 100

100 65.5 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 49.345 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014702.D

Acq: 18 Jul 2023 15:20

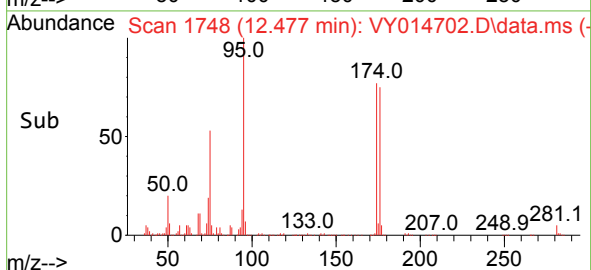
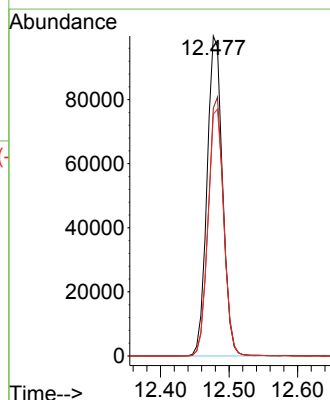
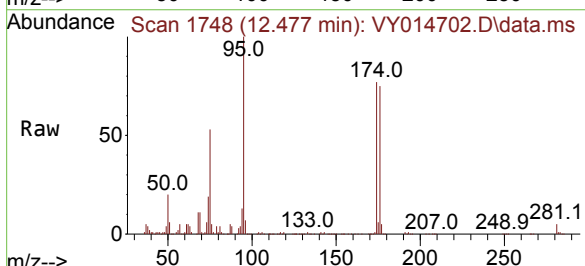
Tgt Ion: 95 Resp: 157759

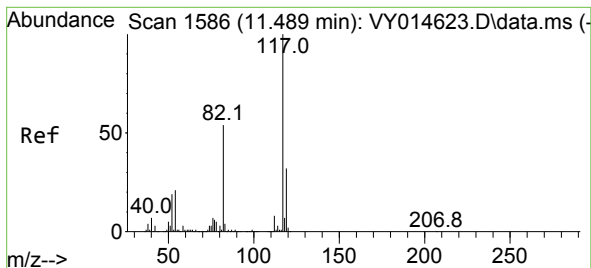
Ion Ratio Lower Upper

95 100

174 79.9 0.0 178.2

176 78.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014702.D

Acq: 18 Jul 2023 15:20

Instrument :

MSVOA_Y

ClientSampleId :

TP12

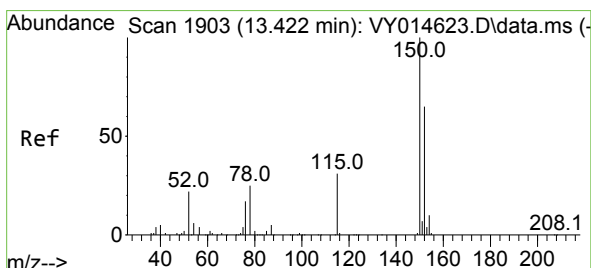
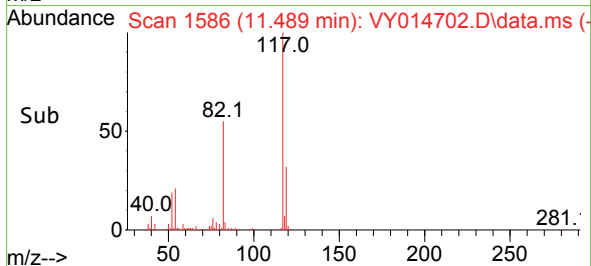
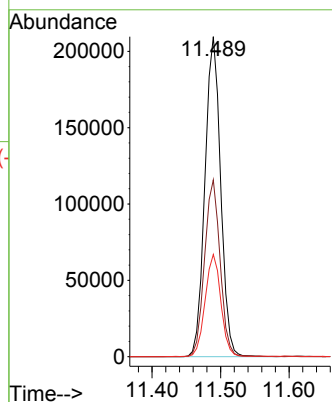
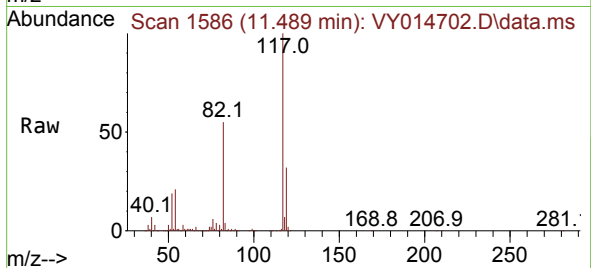
Tgt Ion:117 Resp: 334726

Ion Ratio Lower Upper

117 100

82 55.3 43.4 65.0

119 31.9 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY014702.D

Acq: 18 Jul 2023 15:20

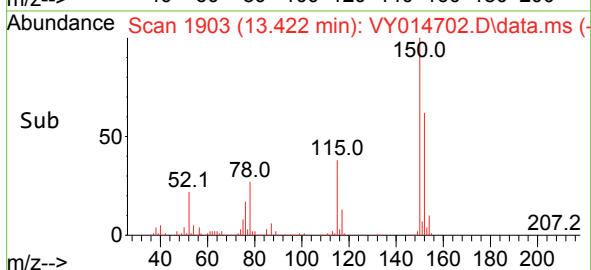
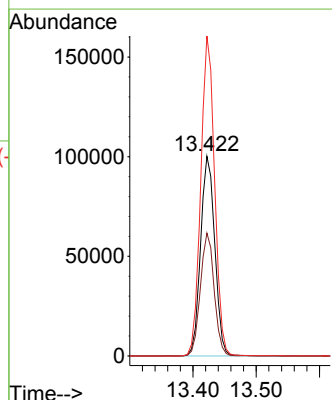
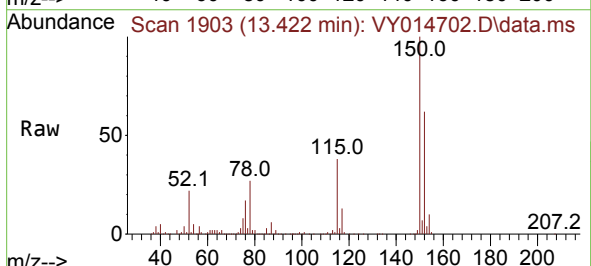
Tgt Ion:152 Resp: 156832

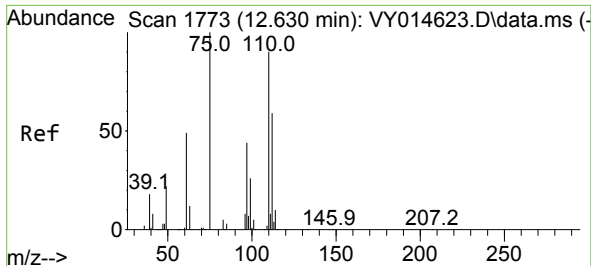
Ion Ratio Lower Upper

152 100

115 59.9 28.8 86.5

150 156.6 0.0 348.8

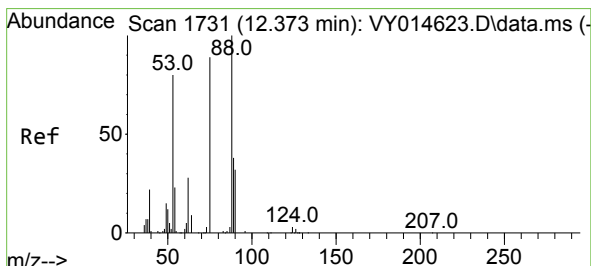
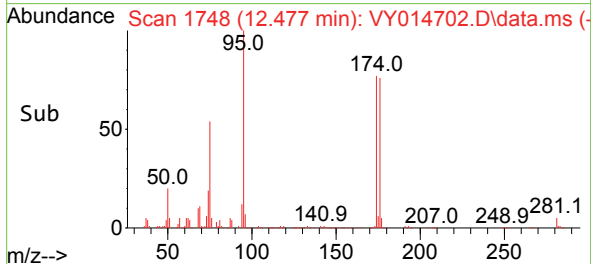
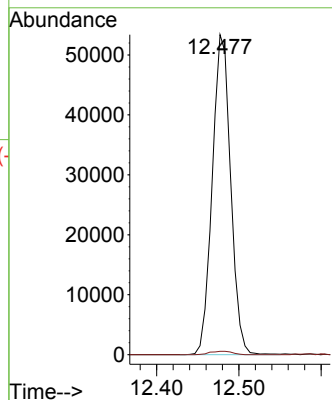
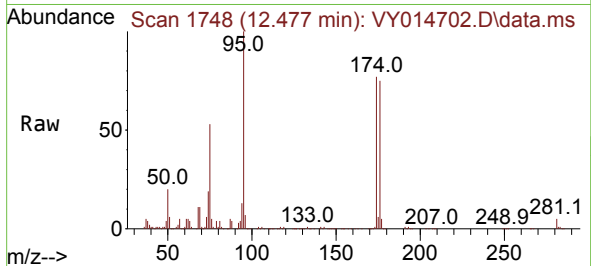




#76
1,2,3-Trichloropropane
Concen: 41.875 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014702.D
Acq: 18 Jul 2023 15:20

Instrument :
MSVOA_Y
ClientSampleId :
TP12

Tgt Ion: 75 Resp: 82943
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.077 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014702.D
Acq: 18 Jul 2023 15:20

Tgt Ion: 75 Resp: 82943
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

