

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014750.D
 Acq On : 21 Jul 2023 16:31
 Operator : SY/MD
 Sample : 03680-01
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

Quant Time: Jul 22 05:38:52 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)

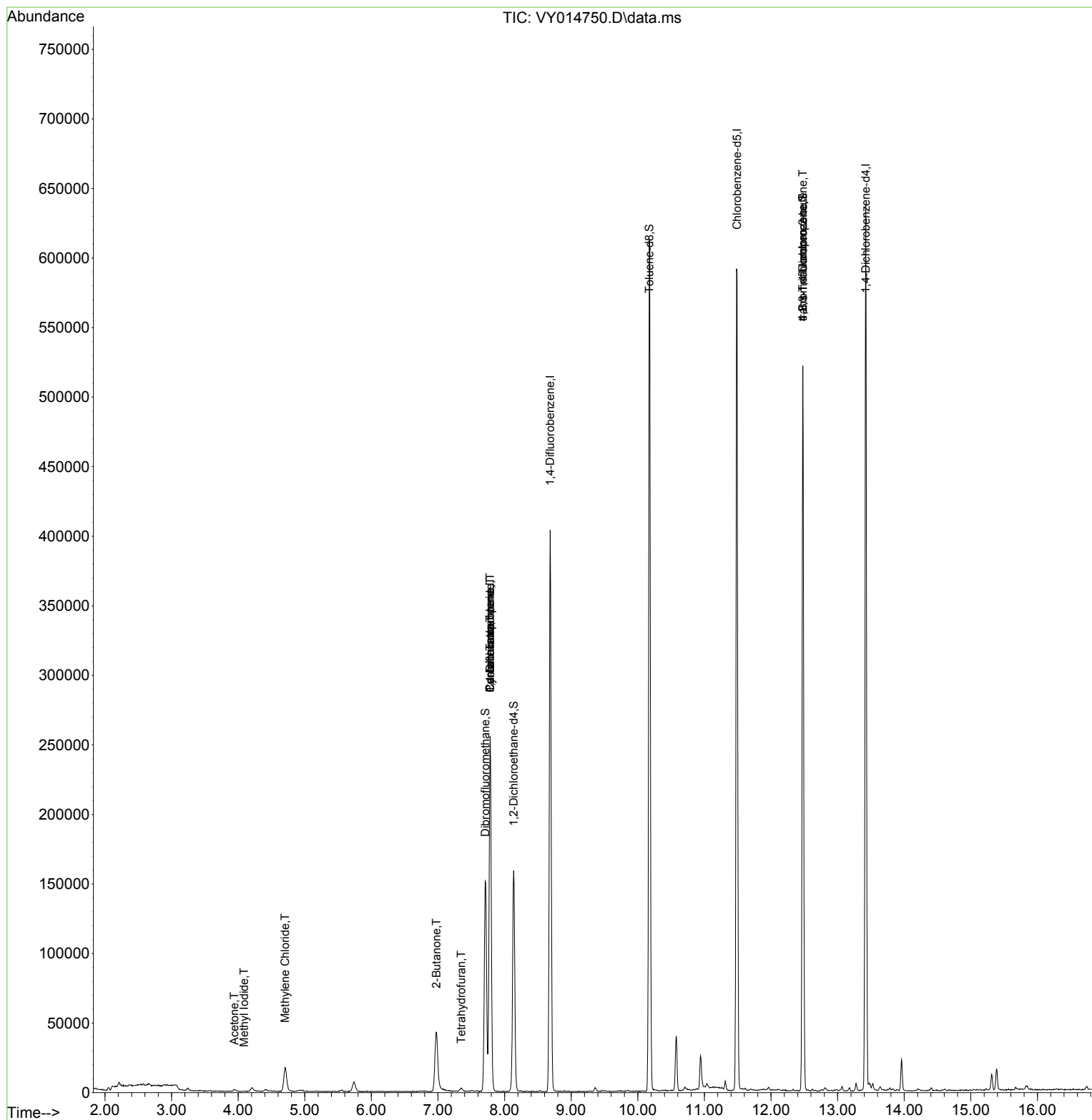
Internal Standards						
1) Pentafluorobenzene	7.783	168	197521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	345018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	328761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	158098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	123839	55.019	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.040%	
35) Dibromofluoromethane	7.710	113	109648	49.924	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.840%	
50) Toluene-d8	10.173	98	405747	50.109	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.220%	
62) 4-Bromofluorobenzene	12.477	95	155947	50.228	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.460%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.088	142	178	2.446	ug/l #	38
11) Tert butyl alcohol	4.936	59	1351	Below Cal	#	93
16) Acetone	3.942	43	2556	3.584	ug/l #	88
20) Methylene Chloride	4.704	84	13157	1.590	ug/l	88
25) 2-Butanone	6.978	43	2886	2.766	ug/l #	72
29) Tetrahydrofuran	7.350	42	1694	2.636	ug/l	96
31) Cyclohexane	7.783	56	4072	1.090	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	15368	4.679	ug/l #	50
38) Carbon Tetrachloride	7.783	117	19381	5.582	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	81169	40.651	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	81169	78.707	ug/l #	11

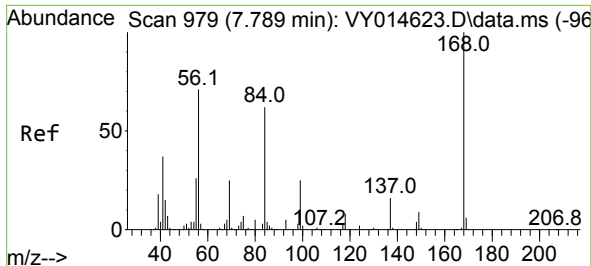
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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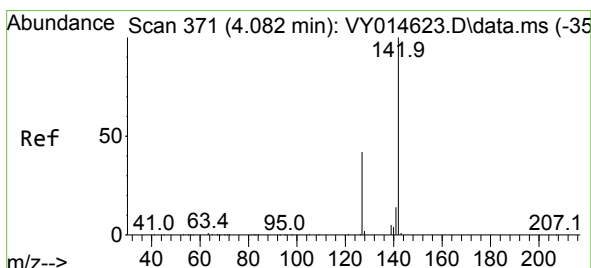
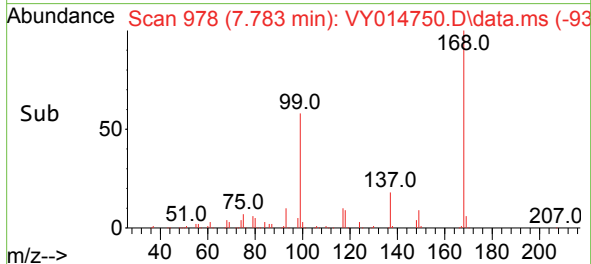
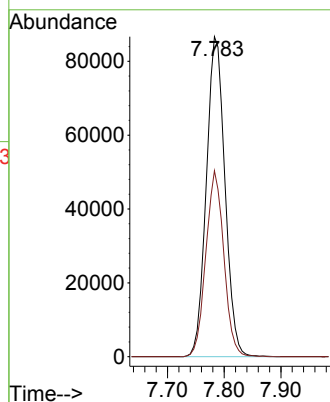
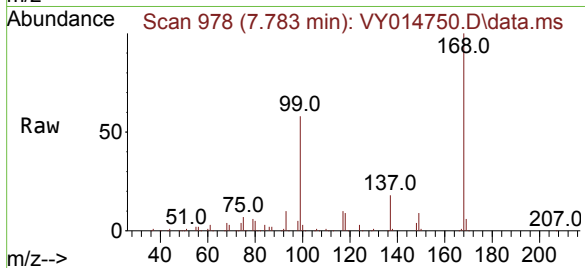




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014750.D
Acq: 21 Jul 2023 16:31

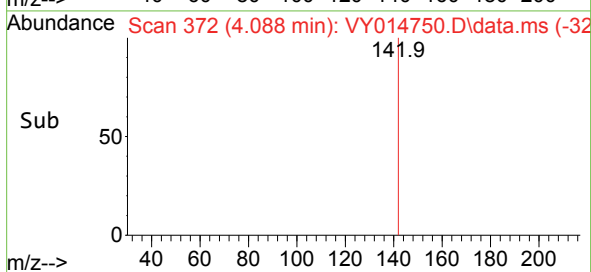
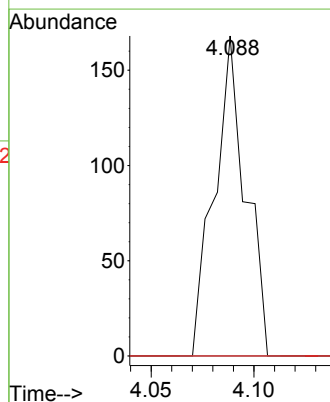
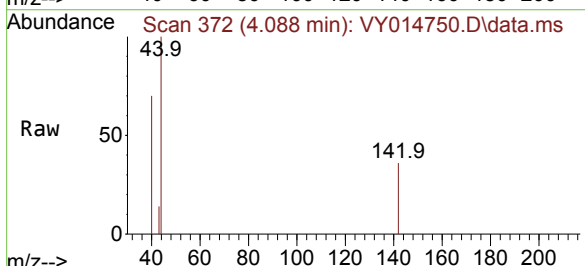
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion:168 Resp: 197521
Ion Ratio Lower Upper
168 100
99 58.1 43.4 65.0



#10
Methyl Iodide
Concen: 2.446 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014750.D
Acq: 21 Jul 2023 16:31

Tgt Ion:142 Resp: 178
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 3.584 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY014750.D

Acq: 21 Jul 2023 16:31

Instrument :

MSVOA_Y

ClientSampleId :

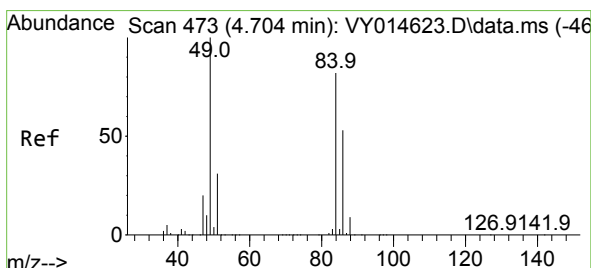
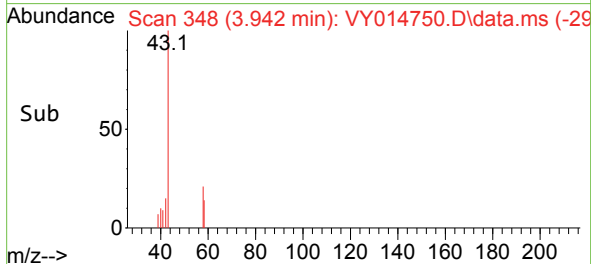
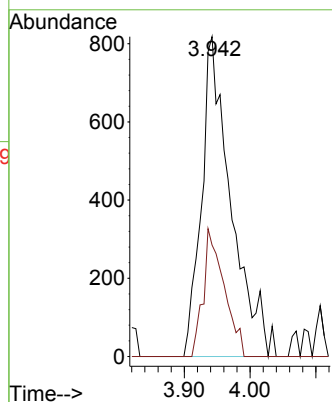
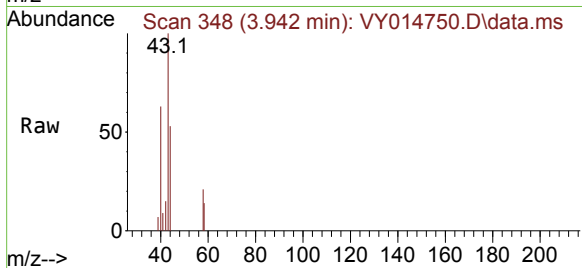
TP-3

Tgt Ion: 43 Resp: 2556

Ion Ratio Lower Upper

43 100

58 34.8 22.7 34.1#



#20

Methylene Chloride

Concen: 1.590 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY014750.D

Acq: 21 Jul 2023 16:31

Tgt Ion: 84 Resp: 13157

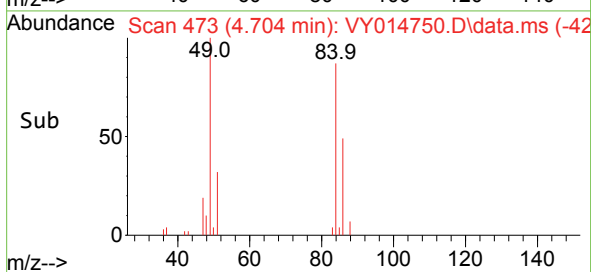
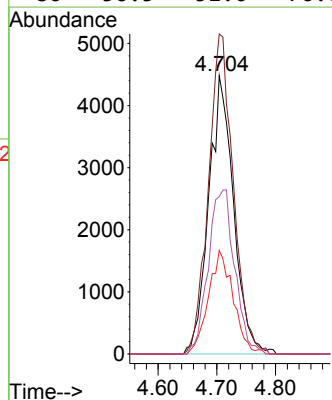
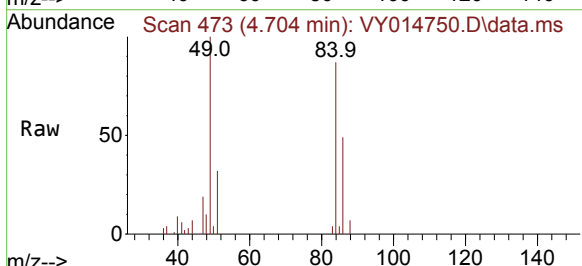
Ion Ratio Lower Upper

84 100

49 115.0 106.9 160.3

51 37.2 33.2 49.8

86 56.5 51.0 76.6

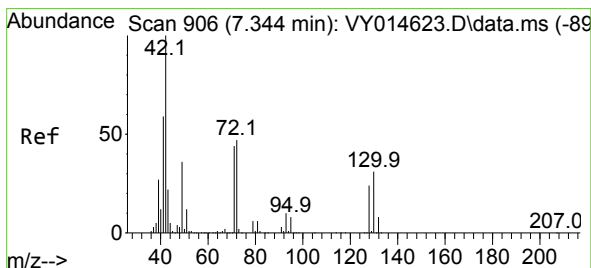
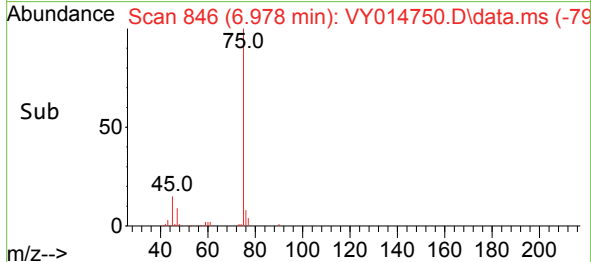
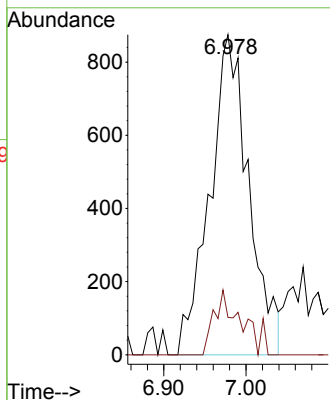
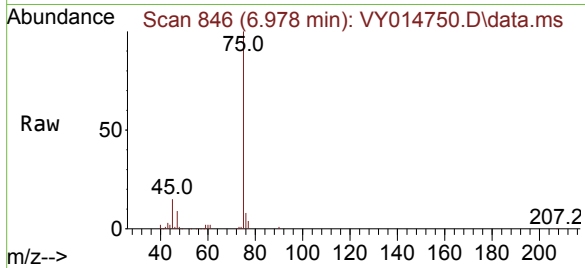




#25
2-Butanone
Concen: 2.766 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014750.D
Acq: 21 Jul 2023 16:31

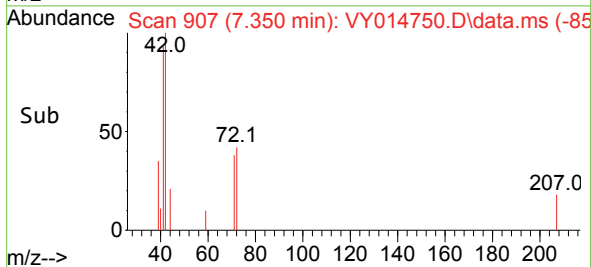
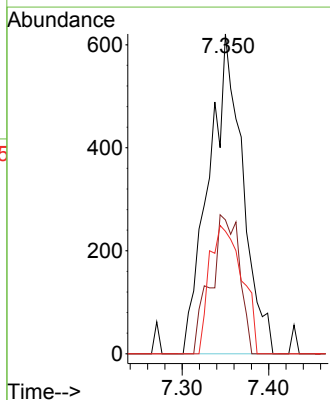
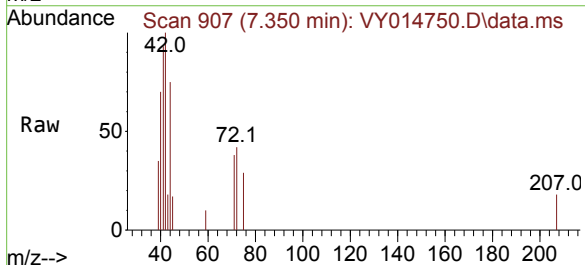
Instrument :
MSVOA_Y
ClientSampleId :
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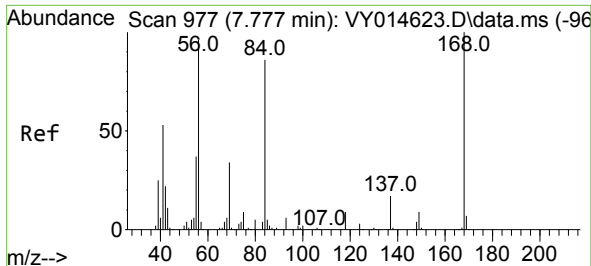
Tgt Ion: 43 Resp: 2886
Ion Ratio Lower Upper
43 100
72 11.7 20.5 30.7#



#29
Tetrahydrofuran
Concen: 2.636 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY014750.D
Acq: 21 Jul 2023 16:31

Tgt Ion: 42 Resp: 1694
Ion Ratio Lower Upper
42 100
72 36.8 32.8 49.2
71 38.3 31.0 46.4

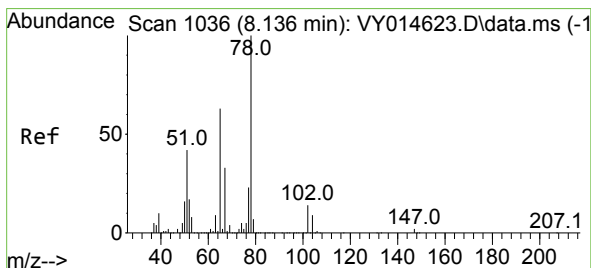
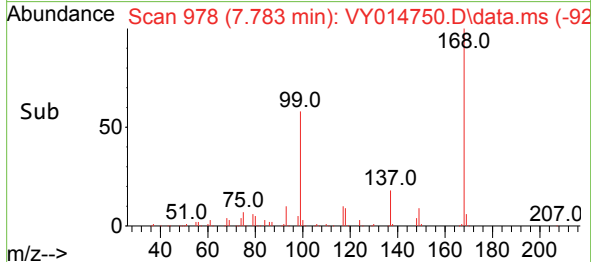
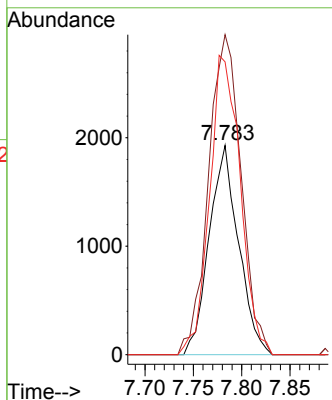
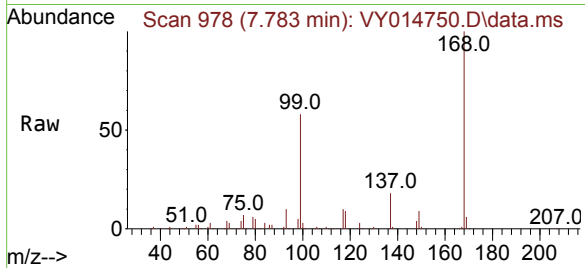




#31
Cyclohexane
Concen: 1.090 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014750.D
Acq: 21 Jul 2023 16:31

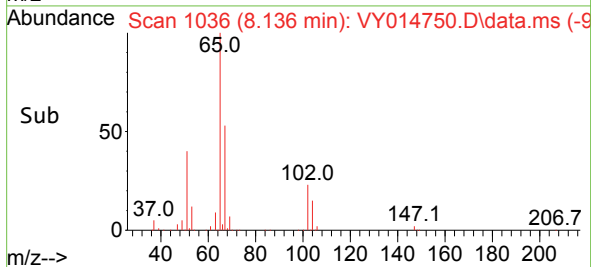
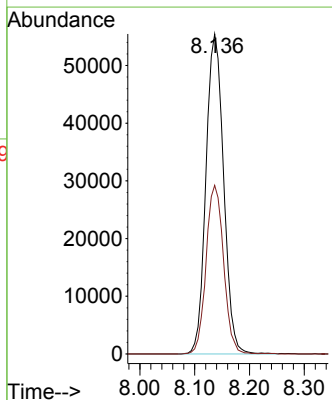
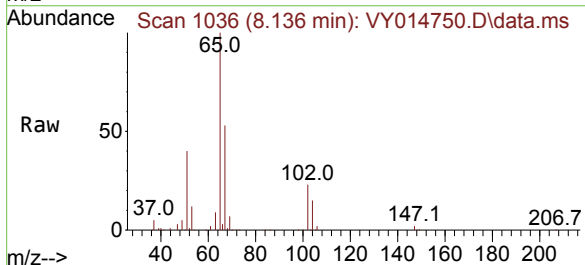
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

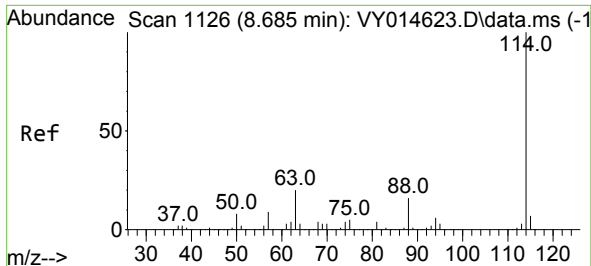
Tgt Ion: 56 Resp: 4072
Ion Ratio Lower Upper
56 100
69 152.9 27.8 41.6#
84 139.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.019 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014750.D
Acq: 21 Jul 2023 16:31

Tgt Ion: 65 Resp: 123839
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.8

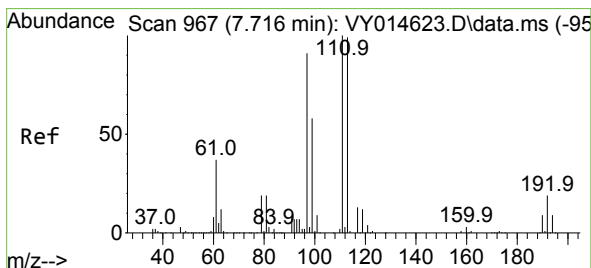
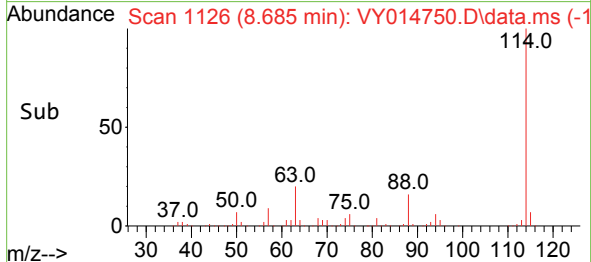
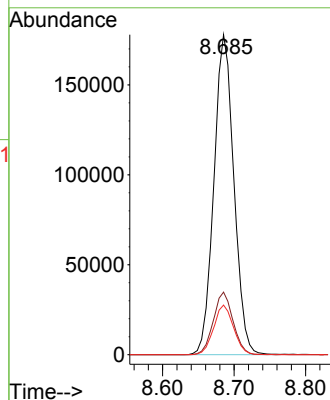
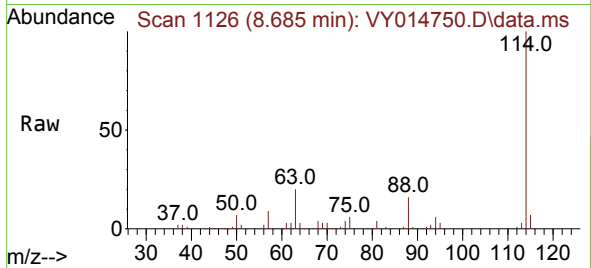




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014750.D
Acq: 21 Jul 2023 16:31

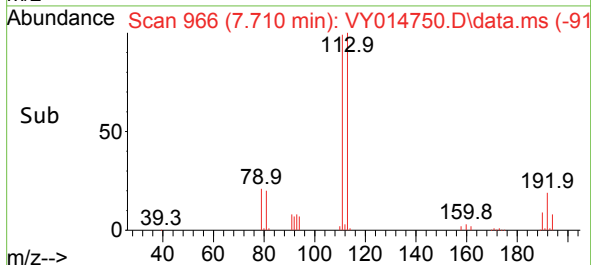
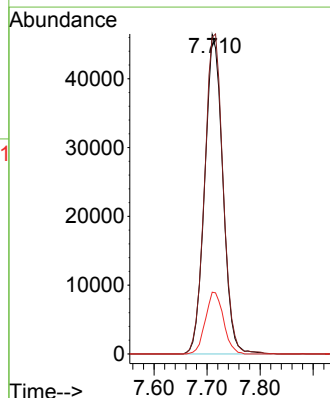
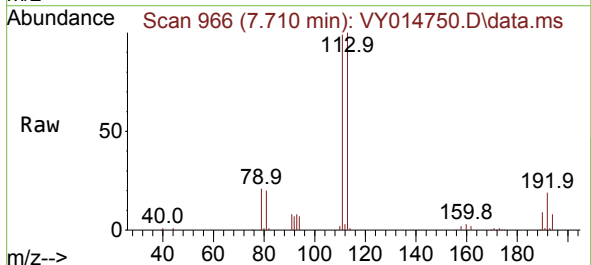
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion:114 Resp: 345018
Ion Ratio Lower Upper
114 100
63 19.6 0.0 42.4
88 15.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.924 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014750.D
Acq: 21 Jul 2023 16:31

Tgt Ion:113 Resp: 109648
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 19.4 16.9 25.3

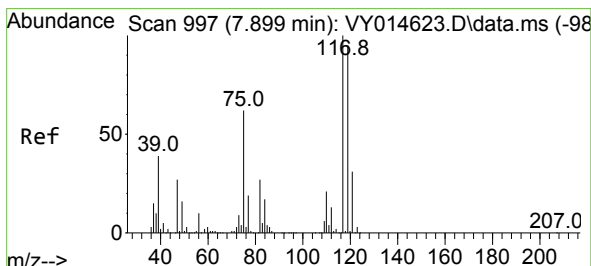
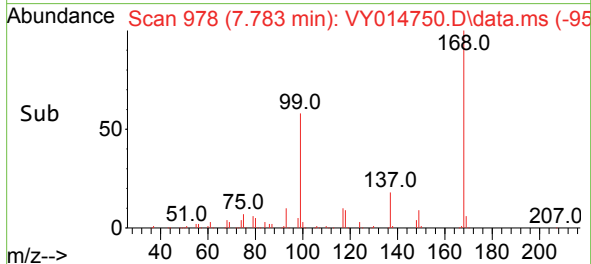
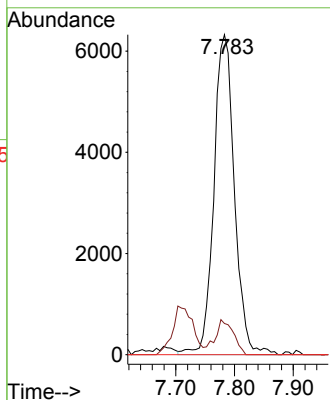
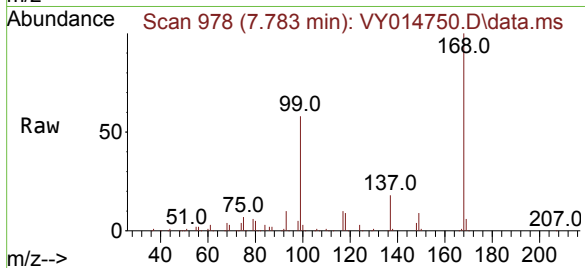




#36
1,1-Dichloropropene
Concen: 4.679 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014750.D
Acq: 21 Jul 2023 16:31

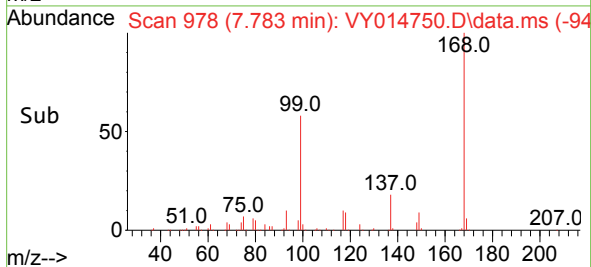
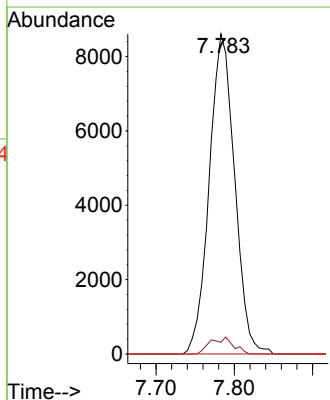
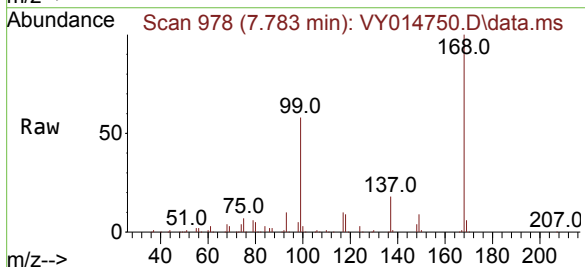
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

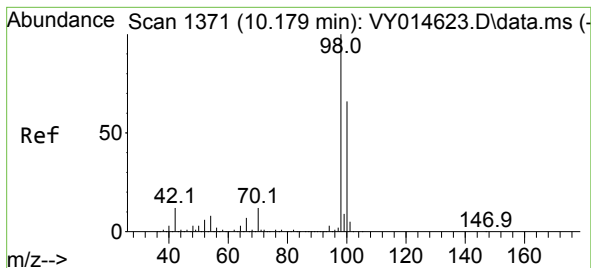
Tgt Ion: 75 Resp: 15368
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.582 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY014750.D
Acq: 21 Jul 2023 16:31

Tgt Ion: 117 Resp: 19381
Ion Ratio Lower Upper
117 100
119 3.7 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.109 ug/l

RT: 10.173 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014750.D

Acq: 21 Jul 2023 16:31

Instrument :

MSVOA_Y

ClientSampleId :

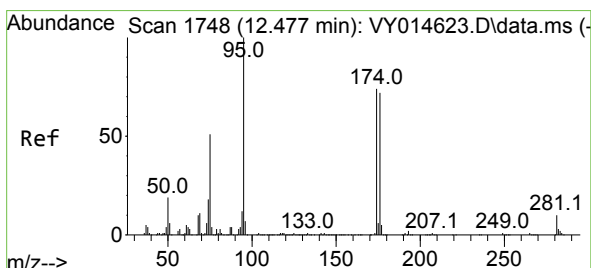
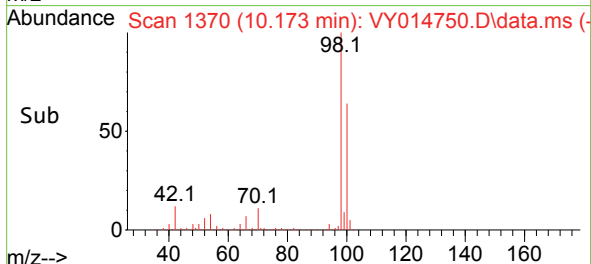
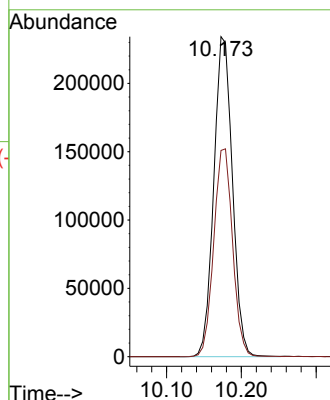
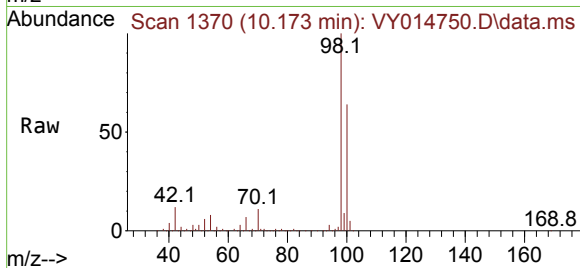
TP-3

Tgt Ion: 98 Resp: 405747

Ion Ratio Lower Upper

98 100

100 65.6 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 50.228 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014750.D

Acq: 21 Jul 2023 16:31

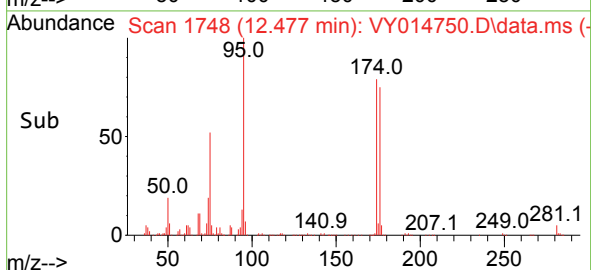
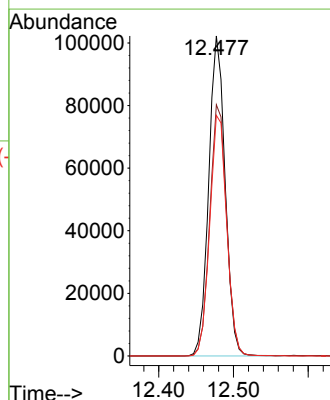
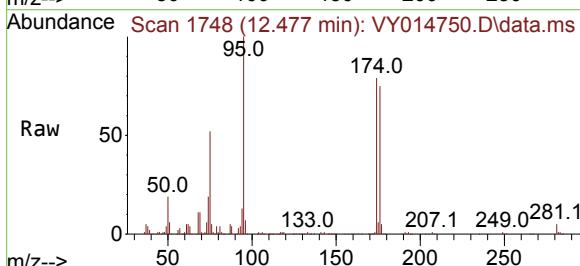
Tgt Ion: 95 Resp: 155947

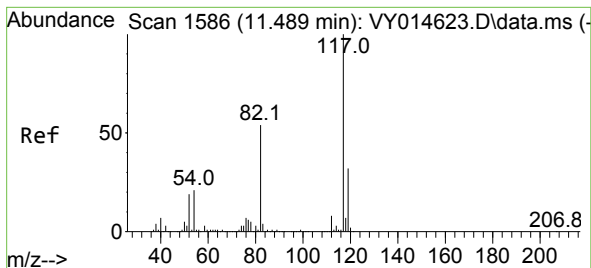
Ion Ratio Lower Upper

95 100

174 80.7 0.0 178.2

176 77.8 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: VY014750.D

Acq: 21 Jul 2023 16:31

Instrument :

MSVOA_Y

ClientSampleId :

TP-3

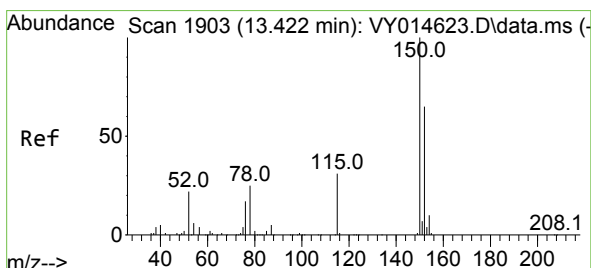
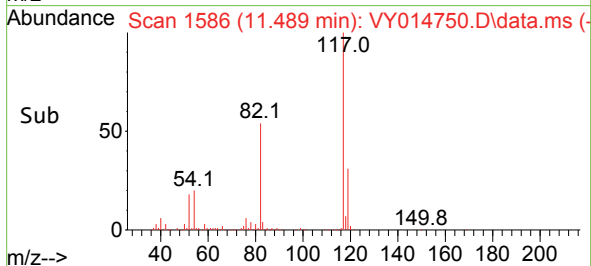
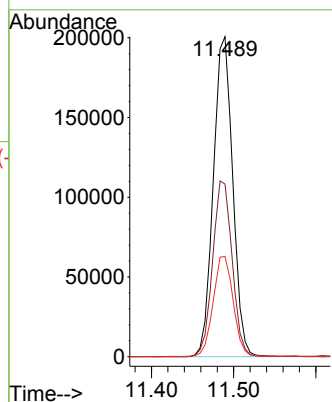
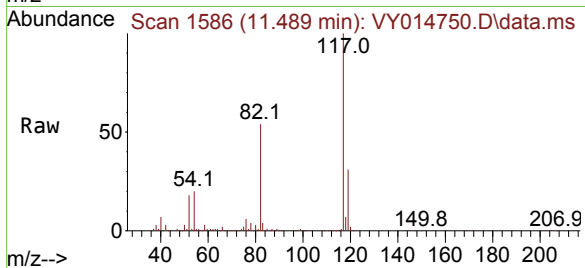
Tgt Ion:117 Resp: 328761

Ion Ratio Lower Upper

117 100

82 54.0 43.4 65.0

119 31.3 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: VY014750.D

Acq: 21 Jul 2023 16:31

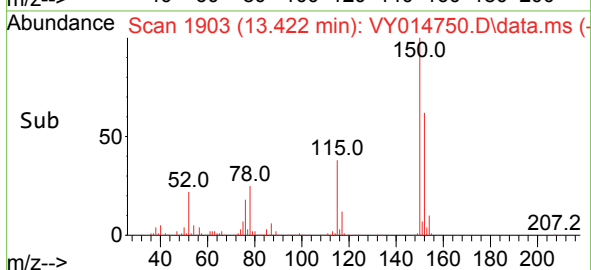
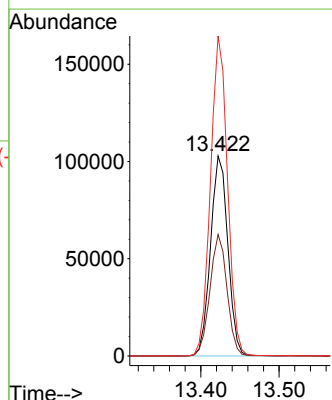
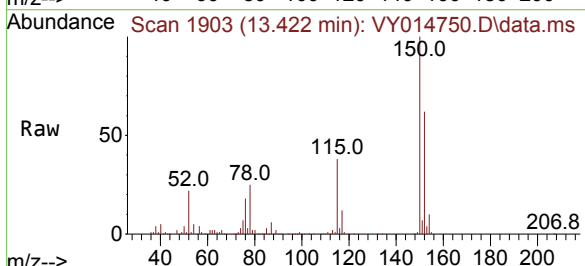
Tgt Ion:152 Resp: 158098

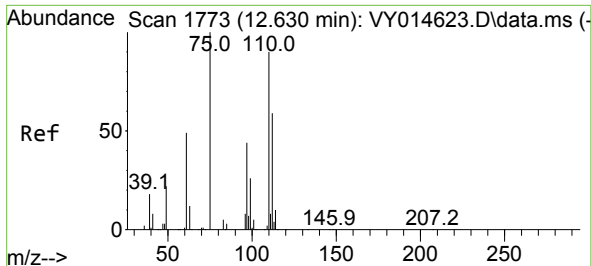
Ion Ratio Lower Upper

152 100

115 59.9 28.8 86.5

150 157.4 0.0 348.8

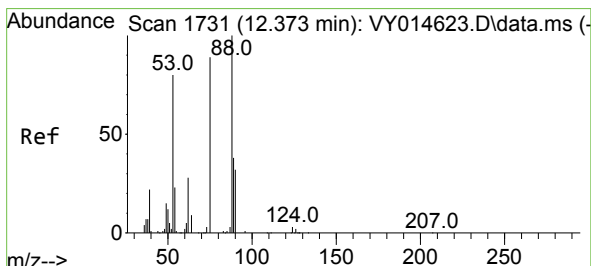
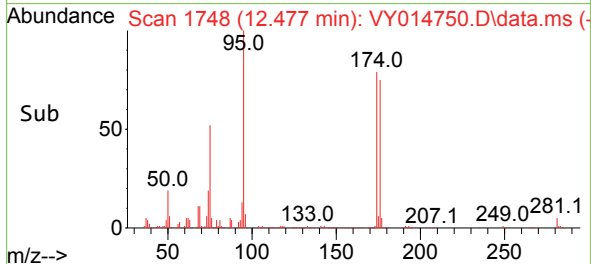
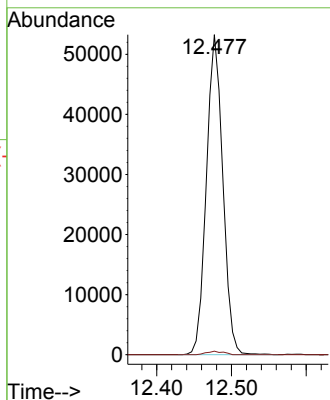
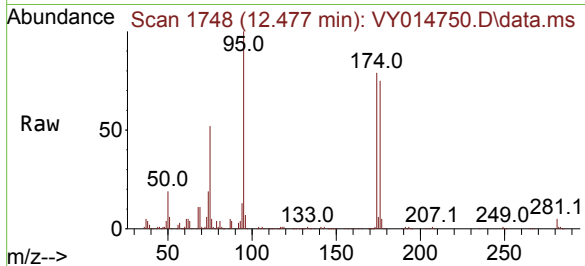




#76
1,2,3-Trichloropropane
Concen: 40.651 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014750.D
Acq: 21 Jul 2023 16:31

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion: 75 Resp: 81169
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.707 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014750.D
Acq: 21 Jul 2023 16:31

Tgt Ion: 75 Resp: 81169
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

