

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061223\
 Data File : VY014121.D
 Acq On : 12 Jun 2023 15:32
 Operator : KP/MD
 Sample : 03140-01
 Misc : 3.17g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-GA

Quant Time: Jun 13 05:42:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

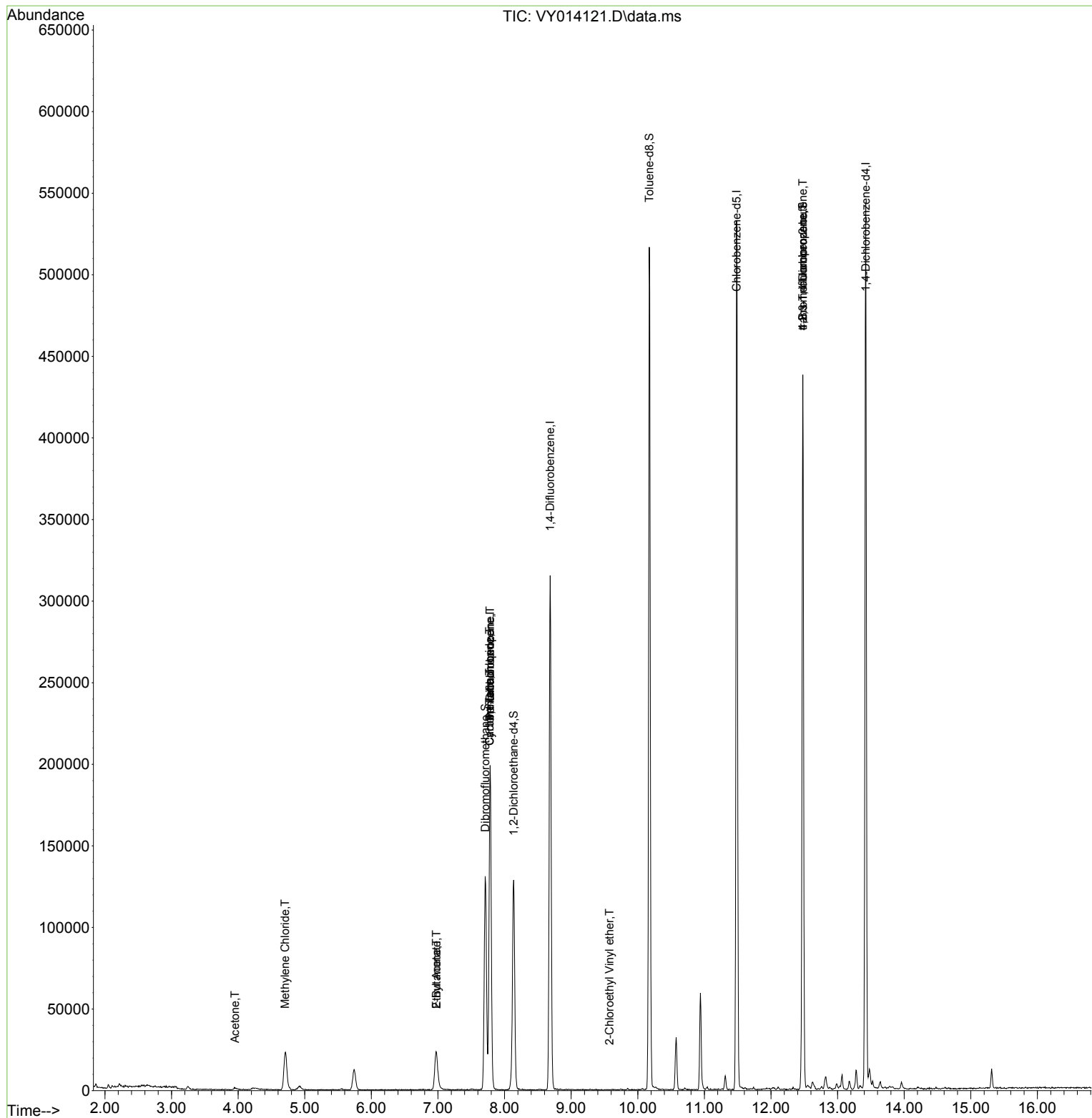
Internal Standards						
1) Pentafluorobenzene	7.783	168	155455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	265569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	281129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	135514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	105387	48.684	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.360%		
35) Dibromofluoromethane	7.710	113	90694	48.156	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.320%		
50) Toluene-d8	10.173	98	332123	47.169	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.340%		
62) 4-Bromofluorobenzene	12.477	95	117229	46.869	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.740%		
Target Compounds						
11) Tert butyl alcohol	4.930	59	2448	Below Cal	#	89
13) Acrolein	3.765	56	44	Below Cal		88
16) Acetone	3.954	43	2618	4.012	ug/l #	89
20) Methylene Chloride	4.704	84	17055	4.957	ug/l #	87
25) 2-Butanone	6.978	43	3739	4.655	ug/l #	86
31) Cyclohexane	7.777	56	3673	1.267	ug/l #	31
36) 1,1-Dichloropropene	7.783	75	11360	3.869	ug/l #	51
37) Ethyl Acetate	6.978	43	3739	1.846	ug/l #	56
38) Carbon Tetrachloride	7.777	117	15347	4.529	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.575	63	34	28.646	ug/l #	48
76) 1,2,3-Trichloropropane	12.477	75	66400	37.347	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	66400	80.730	ug/l #	11

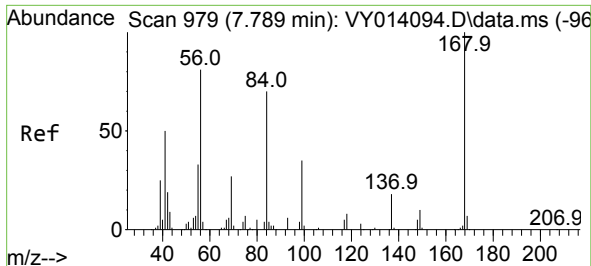
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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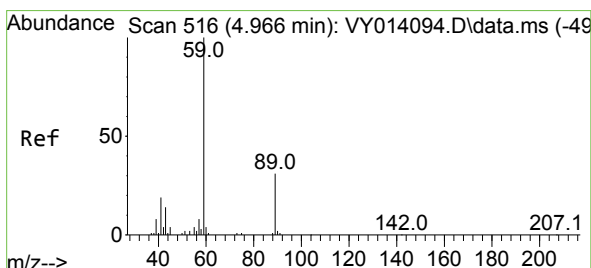
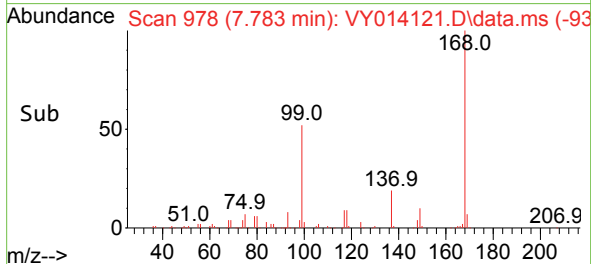
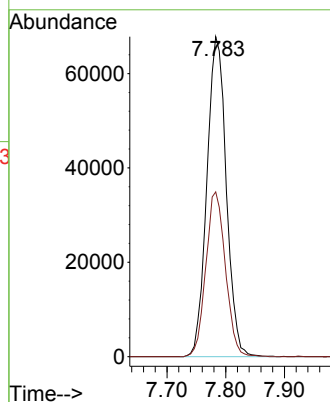
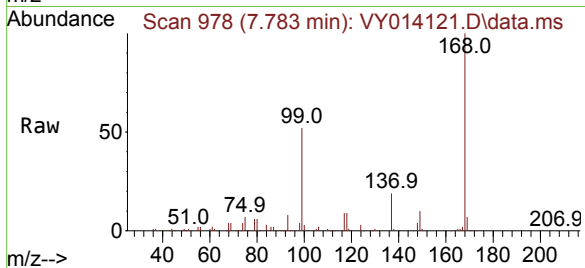




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014121.D
Acq: 12 Jun 2023 15:32

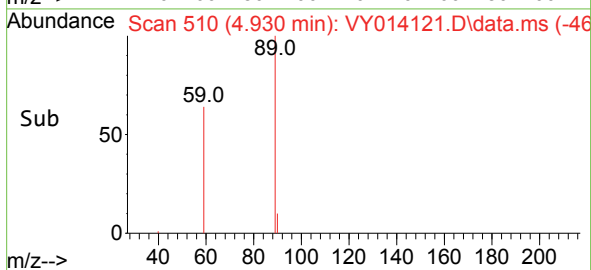
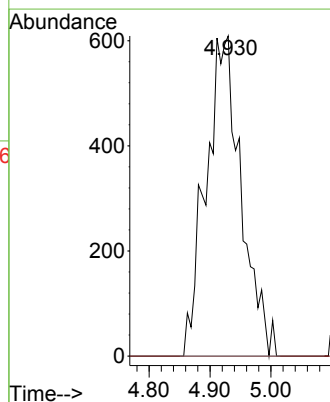
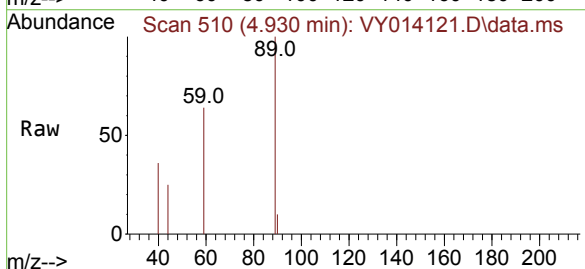
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-GA

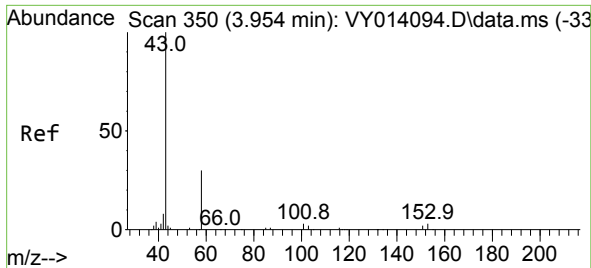
Tgt Ion:168 Resp: 155455
Ion Ratio Lower Upper
168 100
99 51.5 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.036 min
Lab File: VY014121.D
Acq: 12 Jun 2023 15:32

Tgt Ion: 59 Resp: 2448
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 4.012 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY014121.D

Acq: 12 Jun 2023 15:32

Instrument :

MSVOA_Y

ClientSampleId :

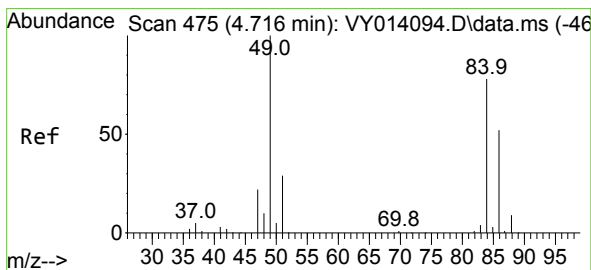
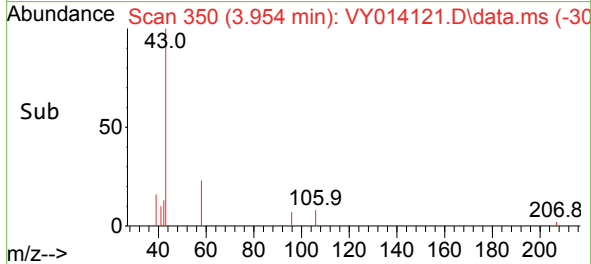
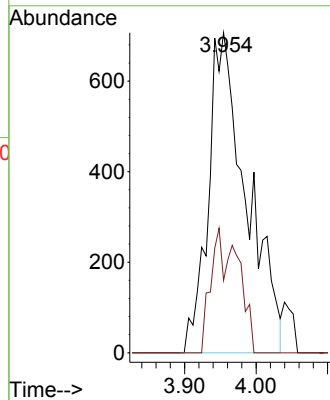
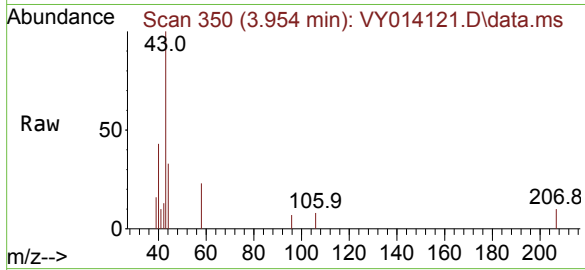
TP-3-GA

Tgt Ion: 43 Resp: 2618

Ion Ratio Lower Upper

43 100

58 22.6 22.7 34.1#



#20

Methylene Chloride

Concen: 4.957 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.012 min

Lab File: VY014121.D

Acq: 12 Jun 2023 15:32

Tgt Ion: 84 Resp: 17055

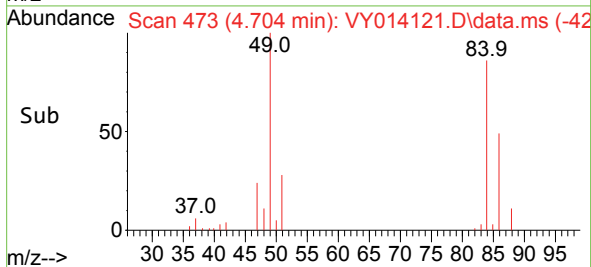
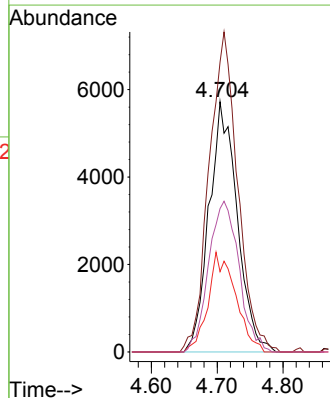
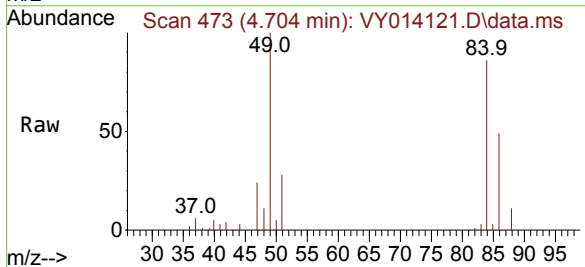
Ion Ratio Lower Upper

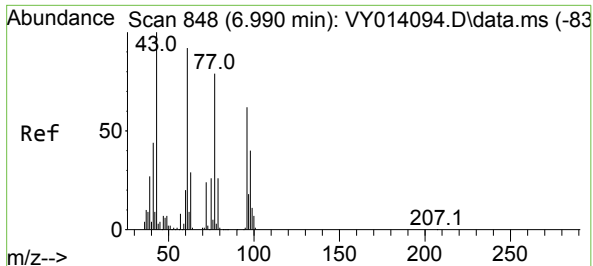
84 100

49 115.9 106.9 160.3

51 32.1 33.2 49.8#

86 57.3 51.0 76.6





#25

2-Butanone

Concen: 4.655 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY014121.D

Acq: 12 Jun 2023 15:32

Instrument :

MSVOA_Y

ClientSampleId :

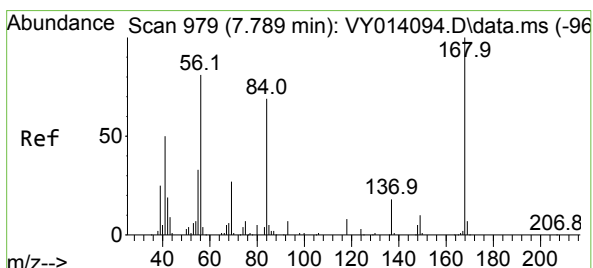
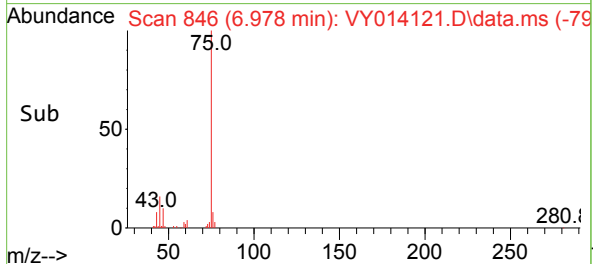
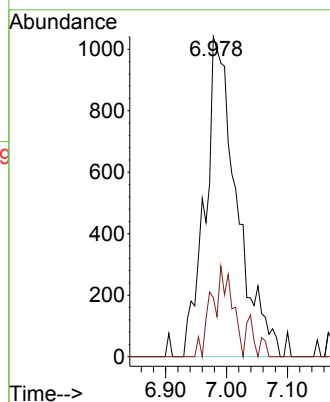
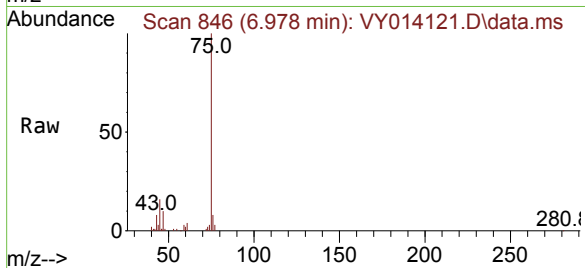
TP-3-GA

Tgt Ion: 43 Resp: 3739

Ion Ratio Lower Upper

43 100

72 18.4 20.5 30.7#



#31

Cyclohexane

Concen: 1.267 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.012 min

Lab File: VY014121.D

Acq: 12 Jun 2023 15:32

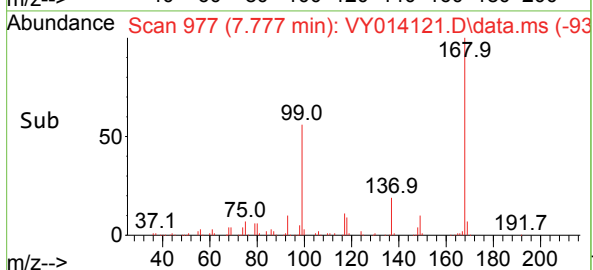
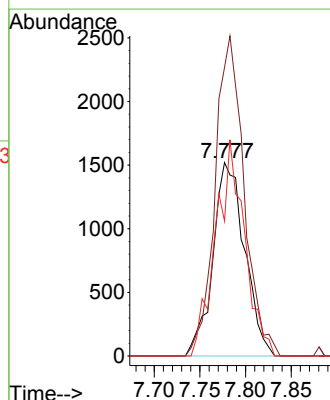
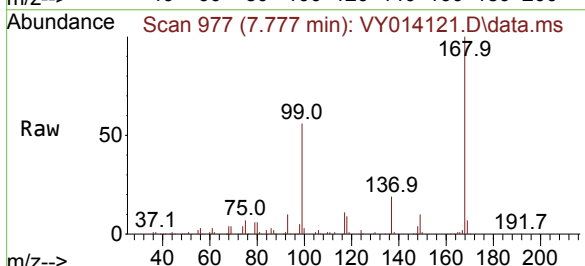
Tgt Ion: 56 Resp: 3673

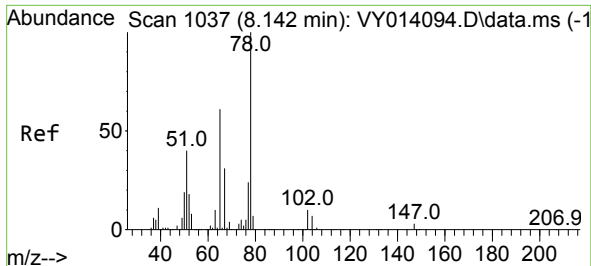
Ion Ratio Lower Upper

56 100

69 149.1 27.8 41.6#

84 69.7 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 48.684 ug/l

RT: 8.137 min Scan# 1037

Delta R.T. -0.005 min

Lab File: VY014121.D

Acq: 12 Jun 2023 15:32

Instrument :

MSVOA_Y

ClientSampleId :

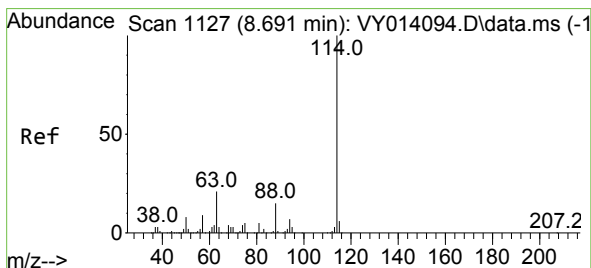
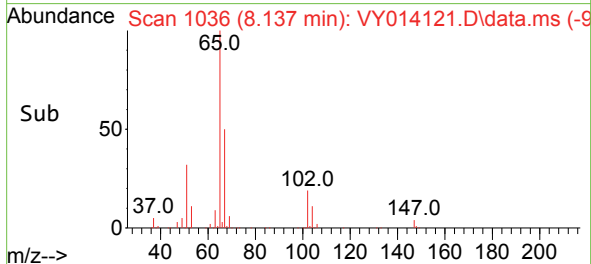
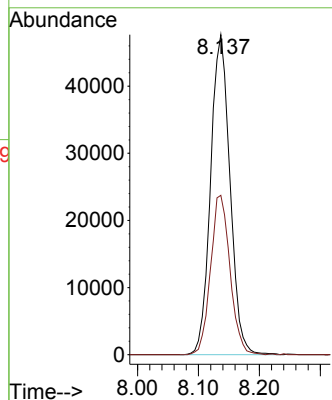
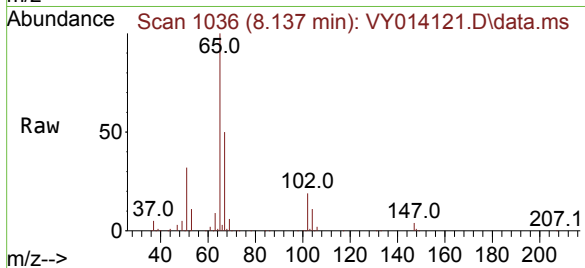
TP-3-GA

Tgt Ion: 65 Resp: 105387

Ion Ratio Lower Upper

65 100

67 49.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014121.D

Acq: 12 Jun 2023 15:32

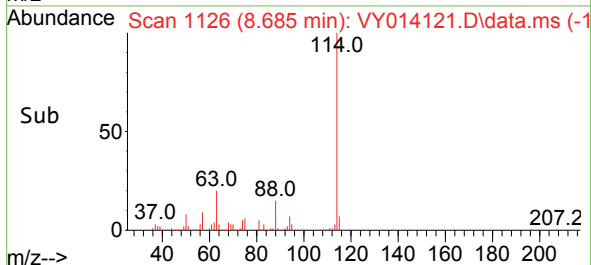
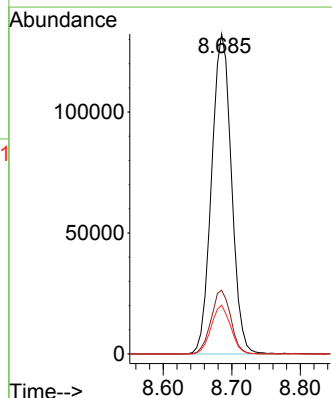
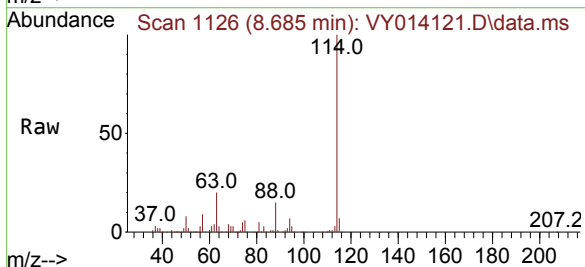
Tgt Ion: 114 Resp: 265569

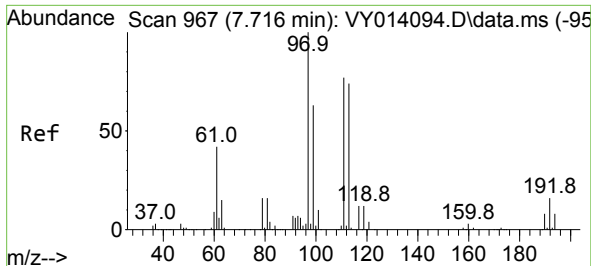
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.2 0.0 30.6

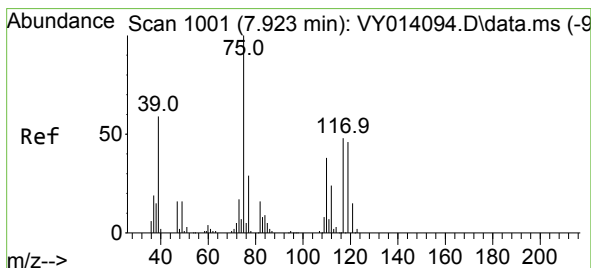
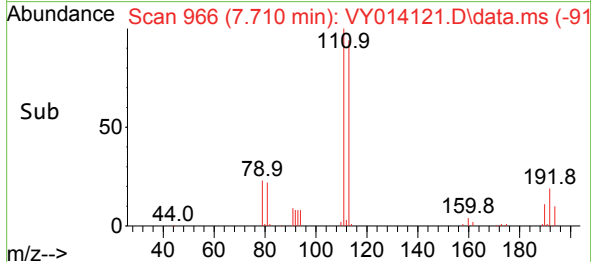
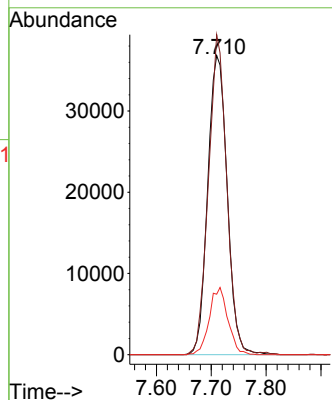
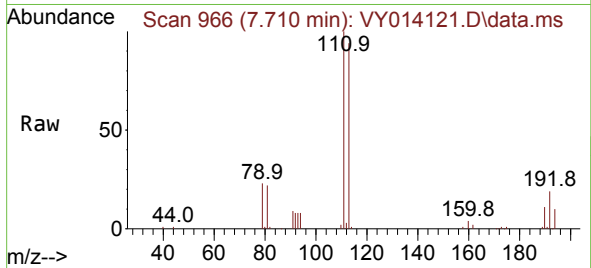




#35
Dibromofluoromethane
Concen: 48.156 ug/l
RT: 7.710 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY014121.D
Acq: 12 Jun 2023 15:32

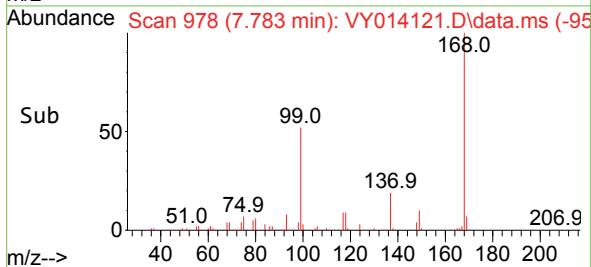
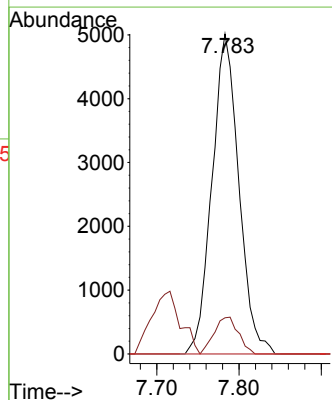
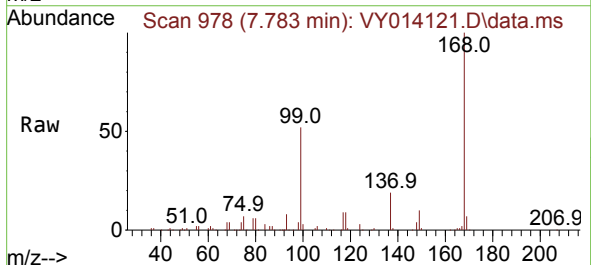
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-GA

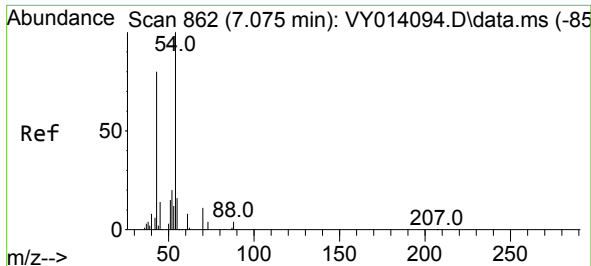
Tgt Ion:113 Resp: 90694
Ion Ratio Lower Upper
113 100
111 100.3 81.3 121.9
192 21.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.869 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014121.D
Acq: 12 Jun 2023 15:32

Tgt Ion: 75 Resp: 11360
Ion Ratio Lower Upper
75 100
110 10.4 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.846 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.097 min

Lab File: VY014121.D

Acq: 12 Jun 2023 15:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-GA

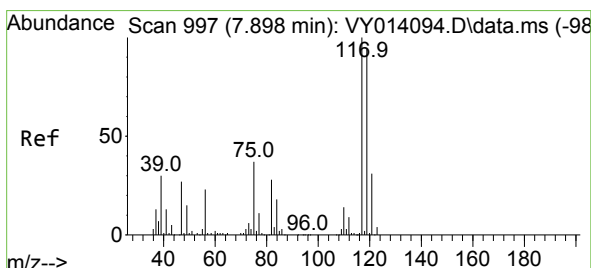
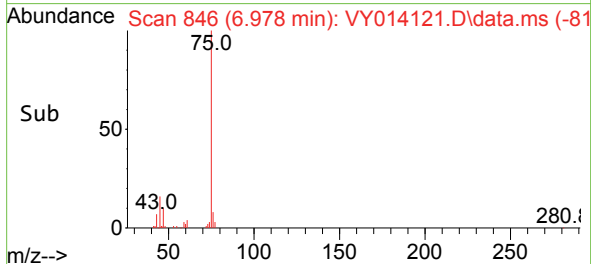
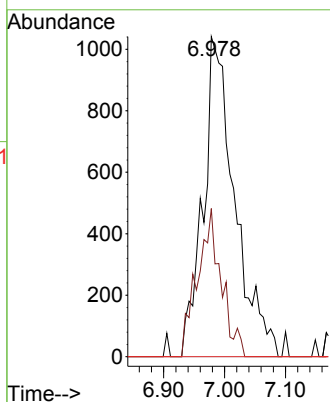
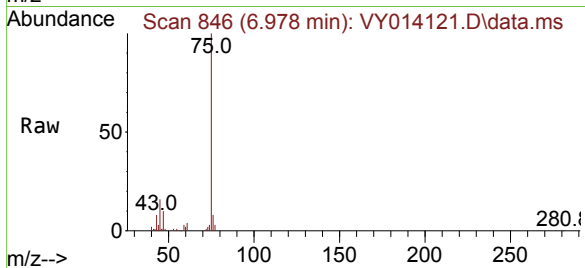
Tgt Ion: 43 Resp: 3739

Ion Ratio Lower Upper

43 100

61 35.0 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.529 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.121 min

Lab File: VY014121.D

Acq: 12 Jun 2023 15:32

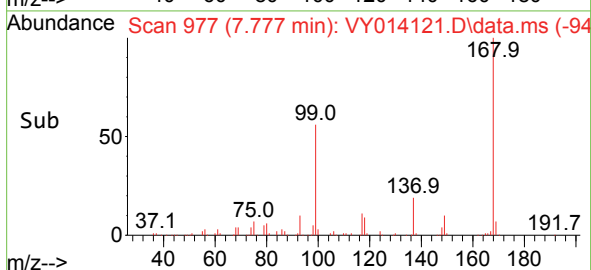
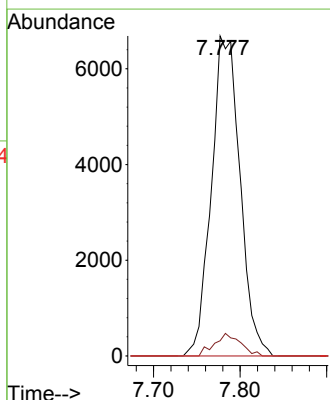
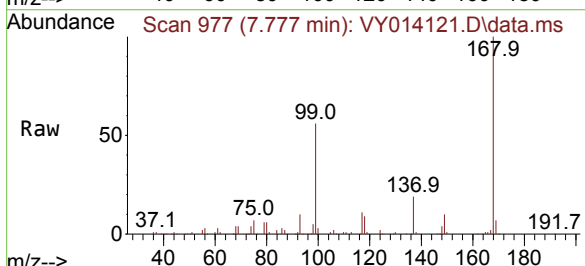
Tgt Ion: 117 Resp: 15347

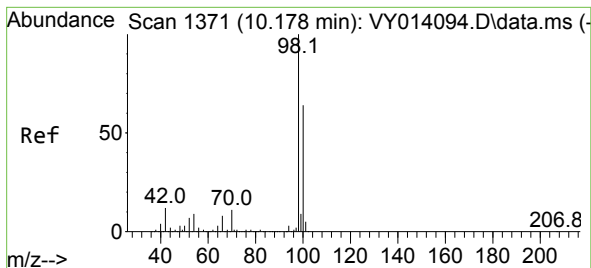
Ion Ratio Lower Upper

117 100

119 4.7 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 47.169 ug/l

RT: 10.173 min Scan# 11

Delta R.T. -0.005 min

Lab File: VY014121.D

Acq: 12 Jun 2023 15:32

Instrument :

MSVOA_Y

ClientSampleId :

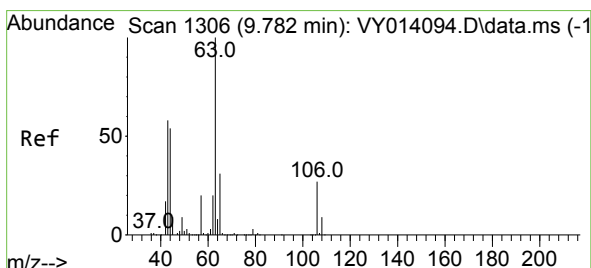
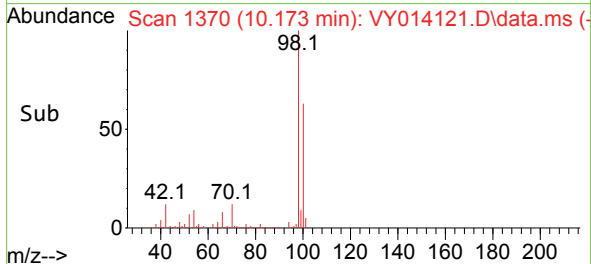
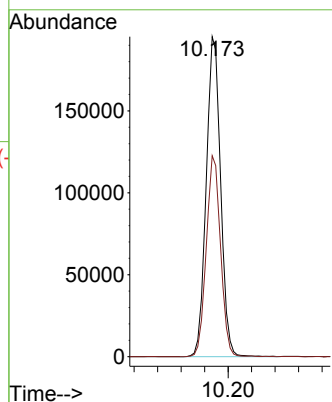
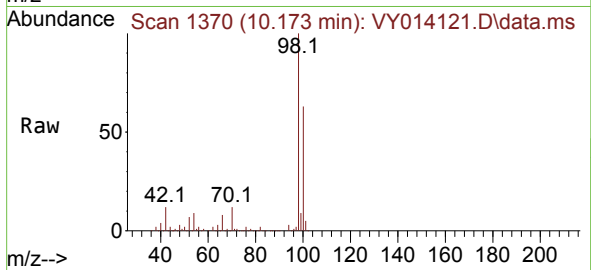
TP-3-GA

Tgt Ion: 98 Resp: 332123

Ion Ratio Lower Upper

98 100

100 62.3 50.1 75.1



#58

2-Chloroethyl Vinyl ether

Concen: 28.646 ug/l

RT: 9.575 min Scan# 1272

Delta R.T. -0.207 min

Lab File: VY014121.D

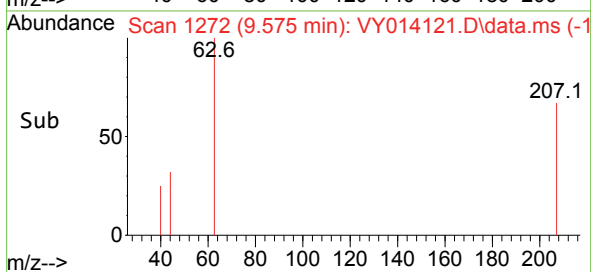
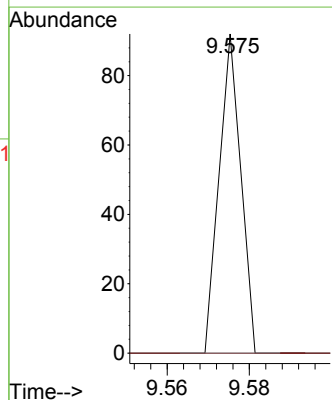
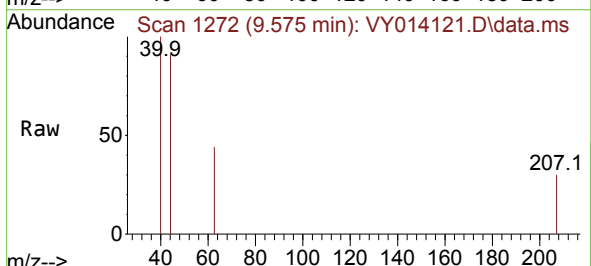
Acq: 12 Jun 2023 15:32

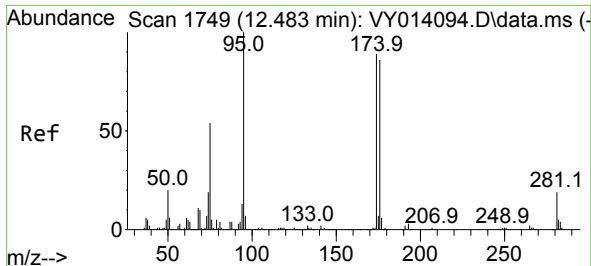
Tgt Ion: 63 Resp: 34

Ion Ratio Lower Upper

63 100

106 0.0 21.2 31.8#

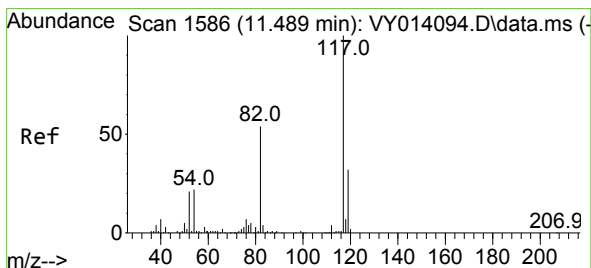
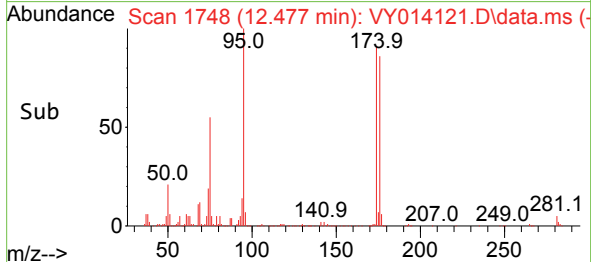
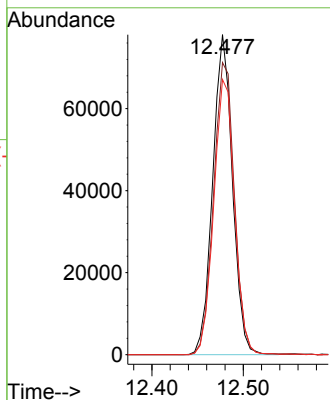
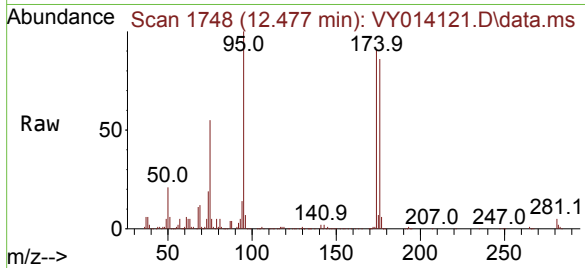




#62
4-Bromofluorobenzene
Concen: 46.869 ug/l
RT: 12.477 min Scan# 117229
Delta R.T. -0.006 min
Lab File: VY014121.D
Acq: 12 Jun 2023 15:32

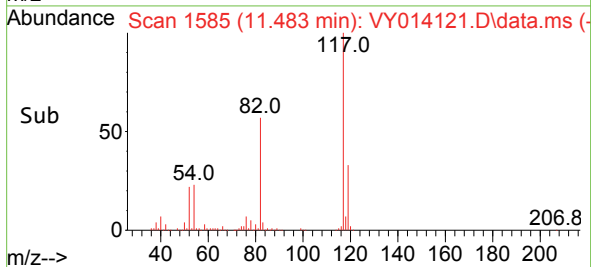
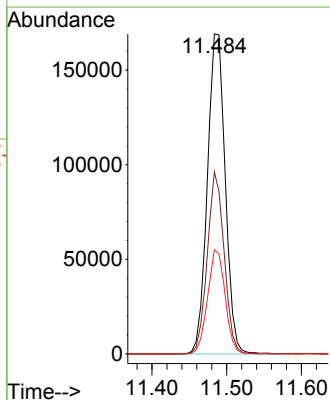
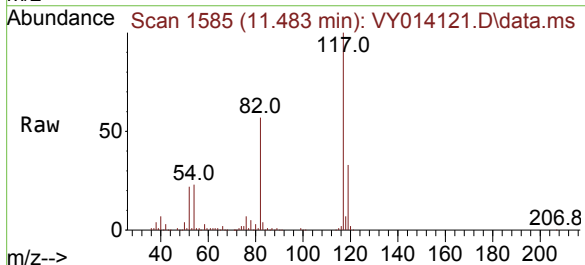
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-GA

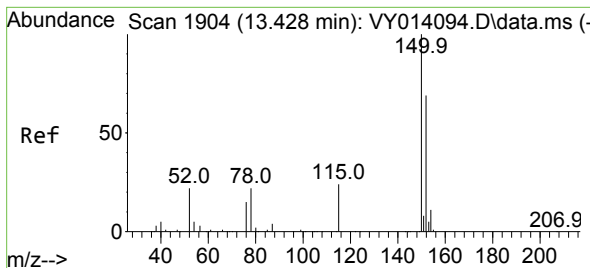
Tgt Ion: 95 Resp: 117229
Ion Ratio Lower Upper
95 100
174 96.2 0.0 178.2
176 90.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY014121.D
Acq: 12 Jun 2023 15:32

Tgt Ion: 117 Resp: 281129
Ion Ratio Lower Upper
117 100
82 56.9 43.4 65.0
119 32.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY014121.D

Acq: 12 Jun 2023 15:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-GA

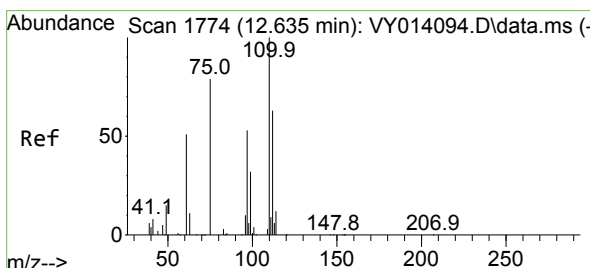
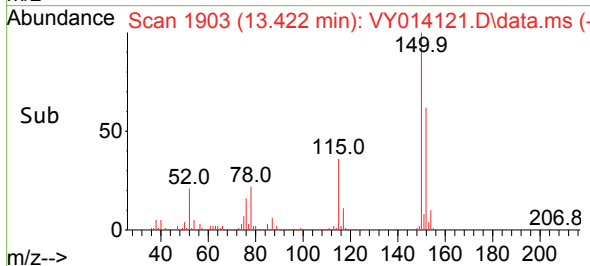
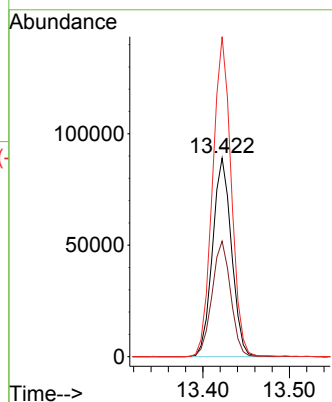
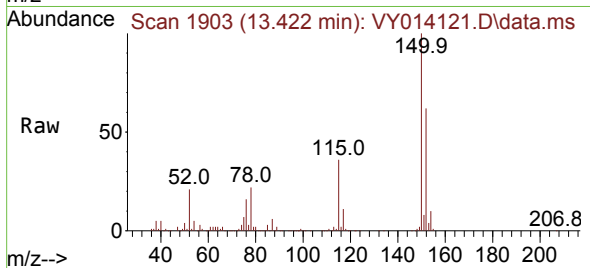
Tgt Ion:152 Resp: 135514

Ion Ratio Lower Upper

152 100

115 57.4 28.8 86.5

150 158.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 37.347 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014121.D

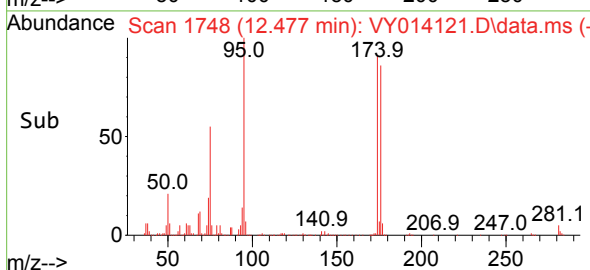
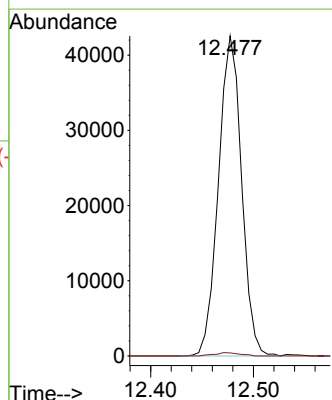
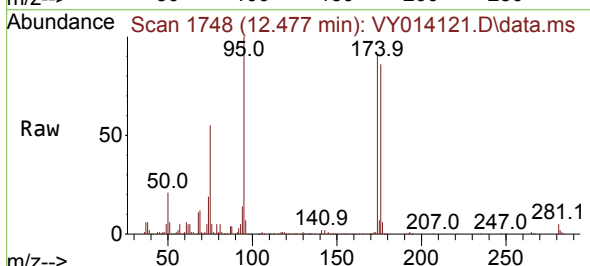
Acq: 12 Jun 2023 15:32

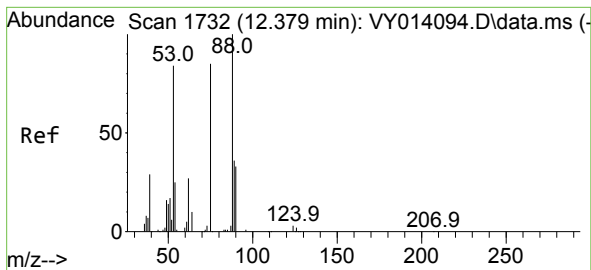
Tgt Ion: 75 Resp: 66400

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.730 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014121.D
 Acq: 12 Jun 2023 15:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-GA

Tgt Ion: 75 Resp: 66400
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

