

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051324\
 Data File : VY018246.D
 Acq On : 13 May 2024 16:59
 Operator : SY/MD
 Sample : P2470-03
 Misc : 5.96g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 14 02:30:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

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

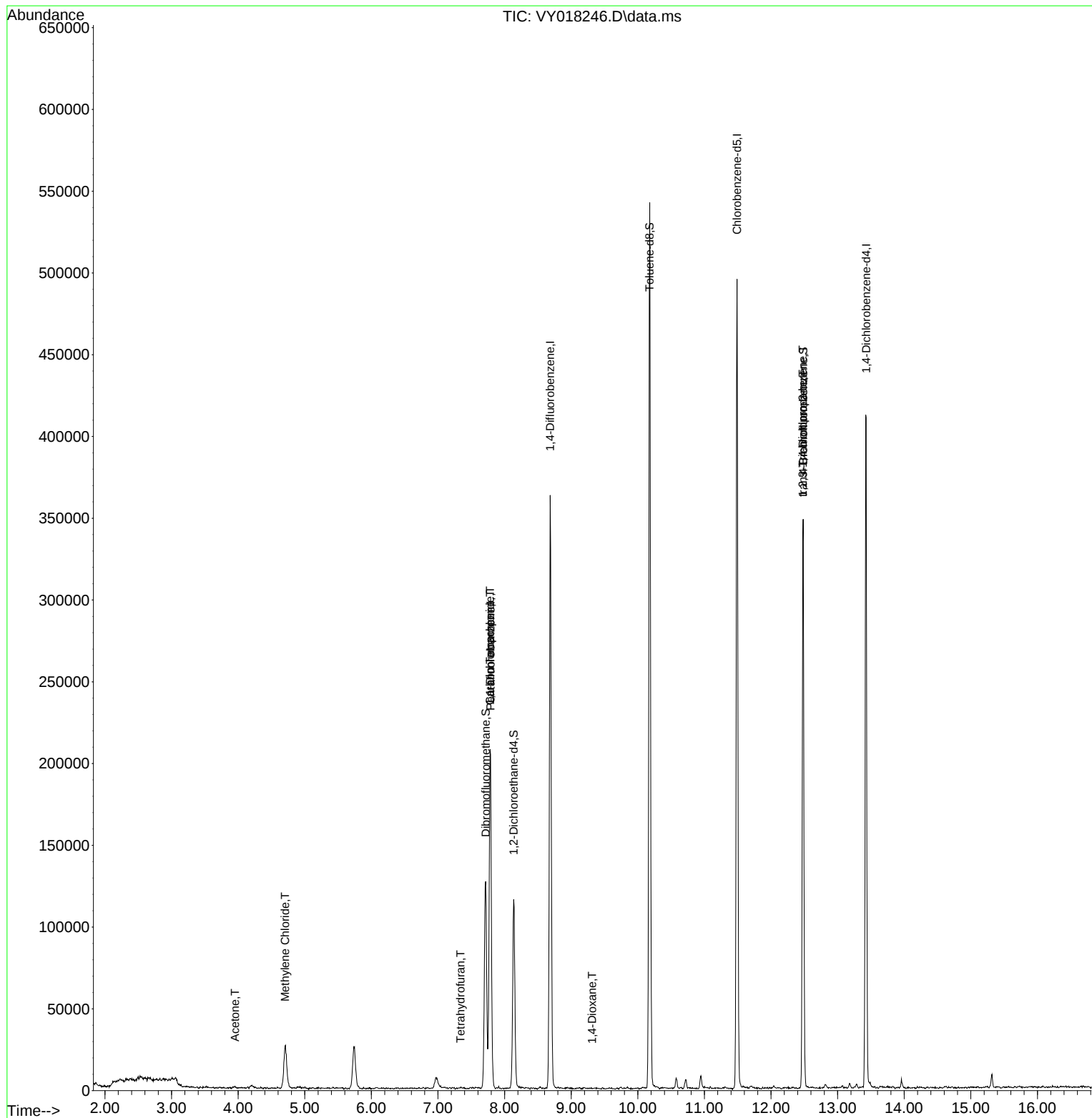
Internal Standards						
1) Pentafluorobenzene	7.789	168	166277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	318653	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	282855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	83459	68.227	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.460%	
35) Dibromofluoromethane	7.716	113	93287	55.705	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.400%	
50) Toluene-d8	10.179	98	362549	54.938	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.880%	
62) 4-Bromofluorobenzene	12.483	95	109342	51.306	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.620%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	565	Below Cal	#	77
13) Acrolein	3.698	56	63	Below Cal	#	1
16) Acetone	3.954	43	1275	5.223	ug/l #	84
20) Methylene Chloride	4.704	84	19904	11.536	ug/l	97
29) Tetrahydrofuran	7.338	42	417	1.619	ug/l #	44
31) Cyclohexane	7.783	56	3561	Below Cal	#	23
36) 1,1-Dichloropropene	7.783	75	12689	5.285	ug/l #	44
38) Carbon Tetrachloride	7.783	117	16486	6.285	ug/l #	16
49) 1,4-Dioxane	9.313	88	38	2.950	ug/l #	20
76) 1,2,3-Trichloropropane	12.477	75	54516	64.205	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	54516	123.701	ug/l #	16

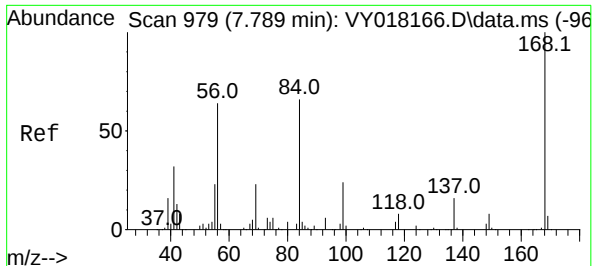
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 14 02:30:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
Quant Title : SW846 8260
QLast Update : Wed May 08 01:40:14 2024
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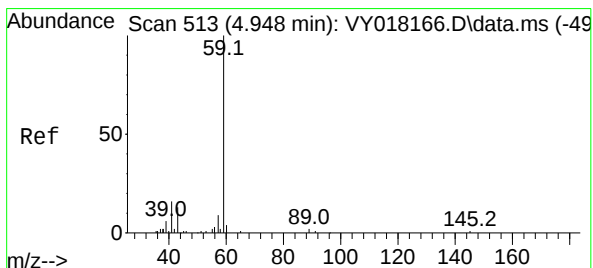
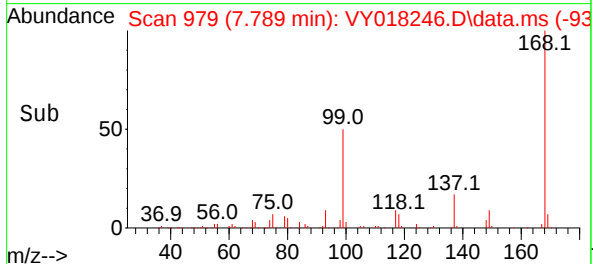
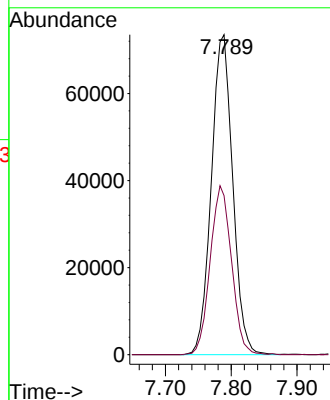
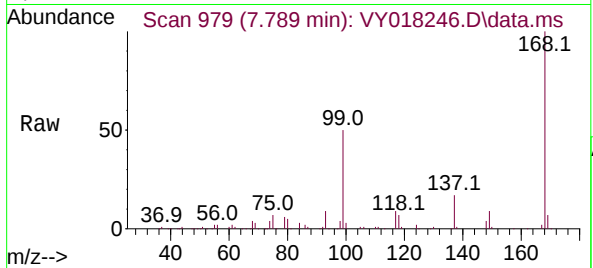




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018246.D
Acq: 13 May 2024 16:59

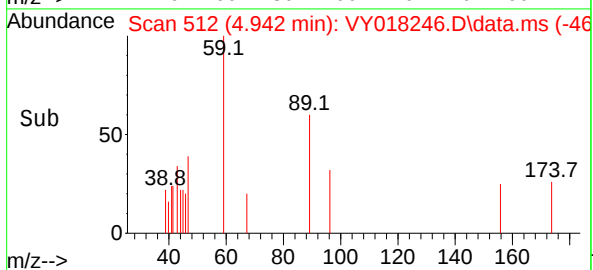
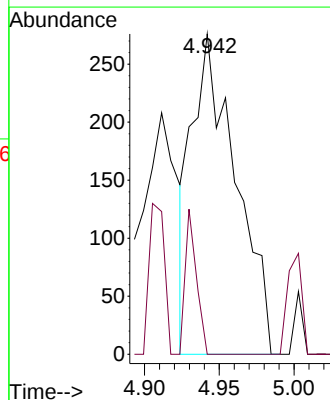
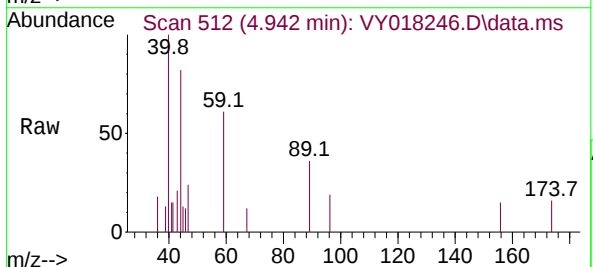
Instrument :
MSVOA_Y
ClientSampleId :

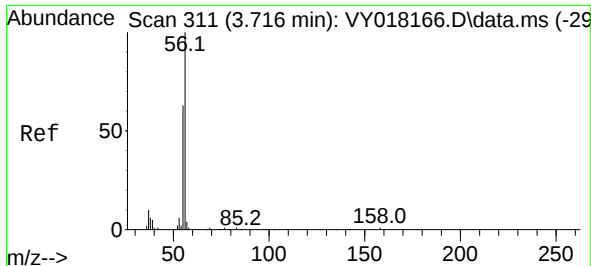
Tgt Ion:168 Resp: 166277
Ion Ratio Lower Upper
168 100
99 49.7 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY018246.D
Acq: 13 May 2024 16:59

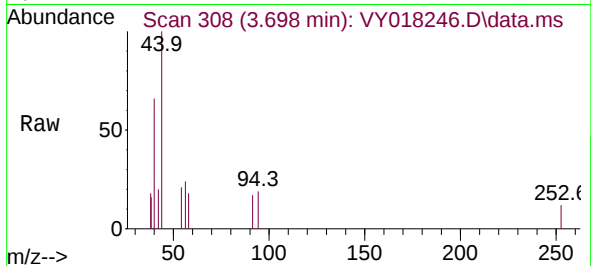
Tgt Ion: 59 Resp: 565
Ion Ratio Lower Upper
59 100
57 11.5 3.0 4.6#



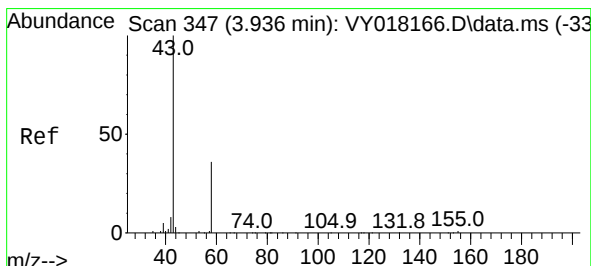
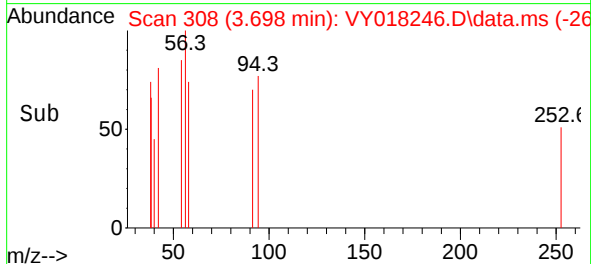
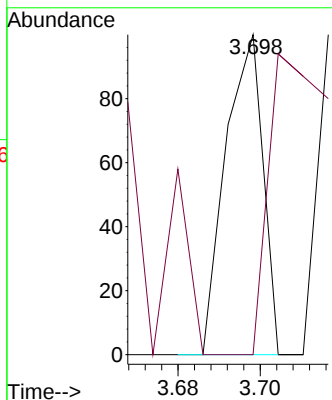


#13
Acrolein
Concen: Below Cal
RT: 3.698 min Scan# 308
Delta R.T. -0.018 min
Lab File: VY018246.D
Acq: 13 May 2024 16:59

Instrument :
MSVOA_Y
ClientSampleId :

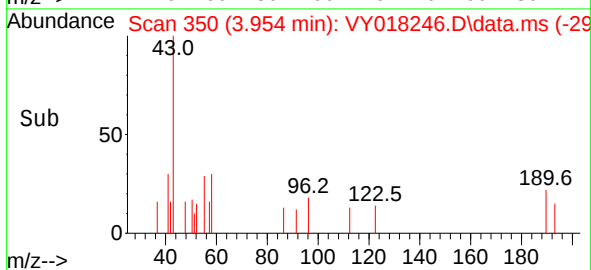
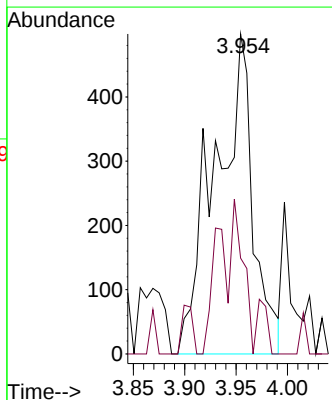
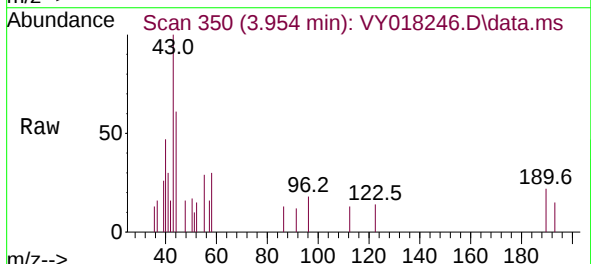


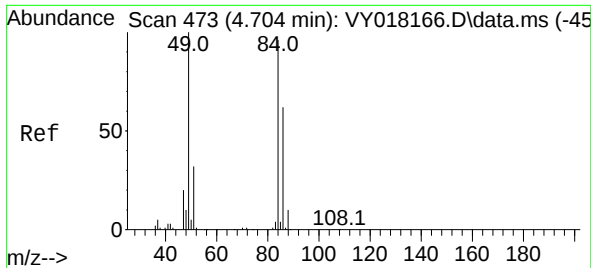
Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 181.0 55.7 83.5#



#16
Acetone
Concen: 5.223 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.018 min
Lab File: VY018246.D
Acq: 13 May 2024 16:59

Tgt Ion: 43 Resp: 1275
Ion Ratio Lower Upper
43 100
58 29.9 31.7 47.5#





#20

Methylene Chloride

Concen: 11.536 ug/l

RT: 4.704 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY018246.D

Acq: 13 May 2024 16:59

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 19904

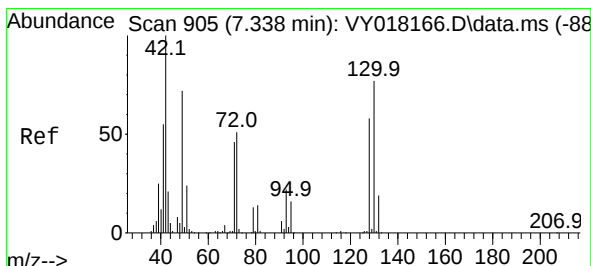
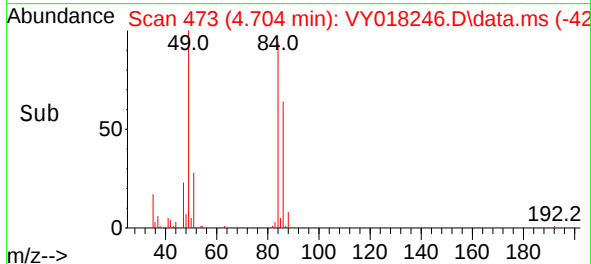
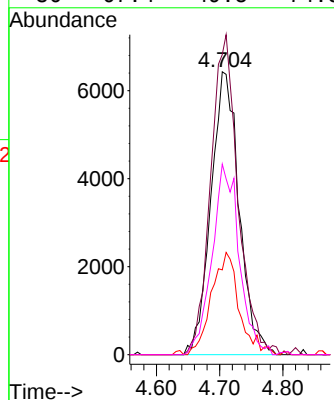
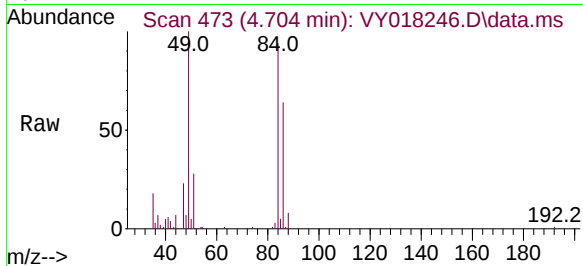
Ion Ratio Lower Upper

84 100

49 106.1 84.4 126.6

51 30.0 26.0 39.0

86 67.4 49.5 74.3



#29

Tetrahydrofuran

Concen: 1.619 ug/l

RT: 7.338 min Scan# 905

Delta R.T. 0.000 min

Lab File: VY018246.D

Acq: 13 May 2024 16:59

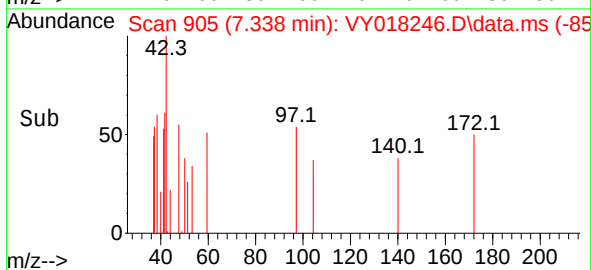
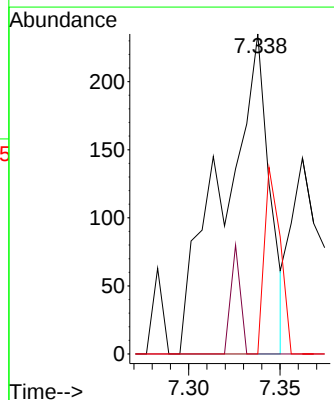
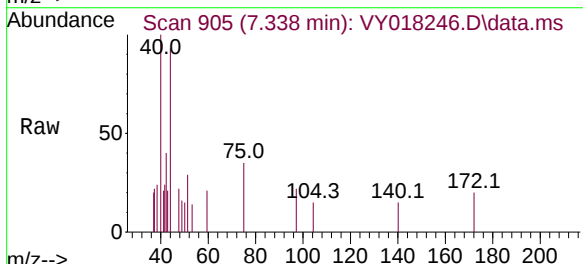
Tgt Ion: 42 Resp: 417

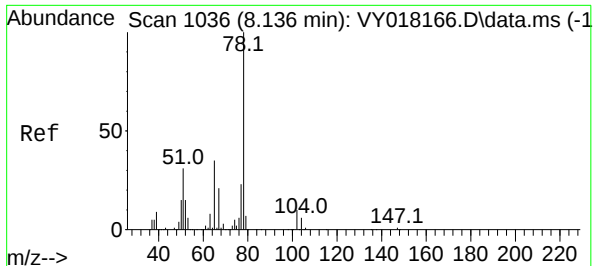
Ion Ratio Lower Upper

42 100

72 7.0 43.0 64.4#

71 19.7 40.8 61.2#





#33

1,2-Dichloroethane-d4

Concen: 68.227 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY018246.D

Acq: 13 May 2024 16:59

Instrument :

MSVOA_Y

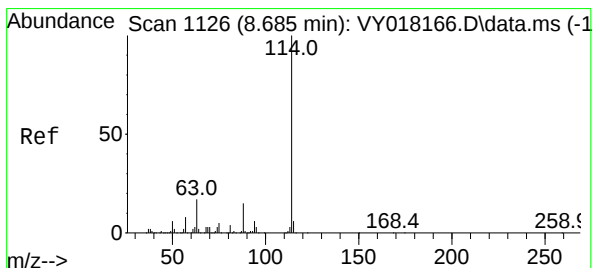
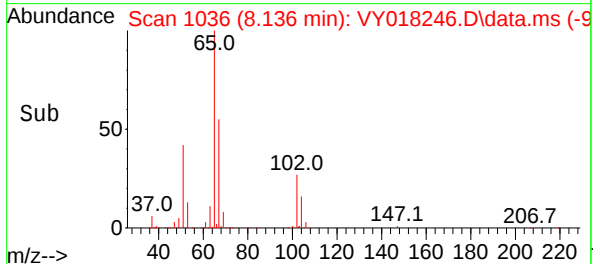
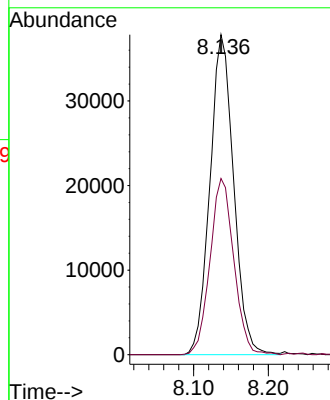
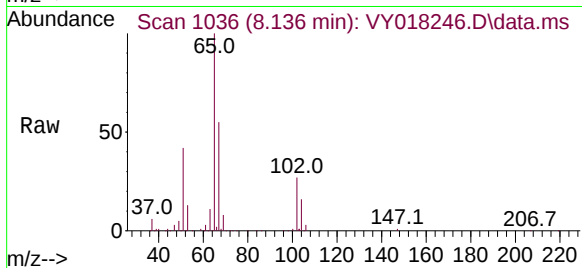
ClientSampleId :

Tgt Ion: 65 Resp: 83459

Ion Ratio Lower Upper

65 100

67 55.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY018246.D

Acq: 13 May 2024 16:59

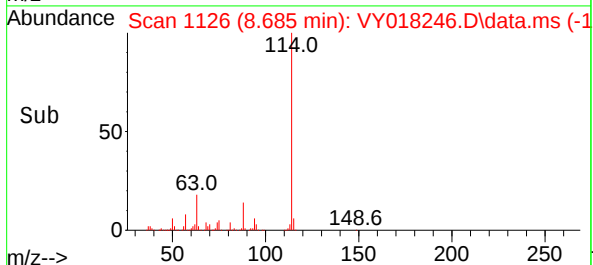
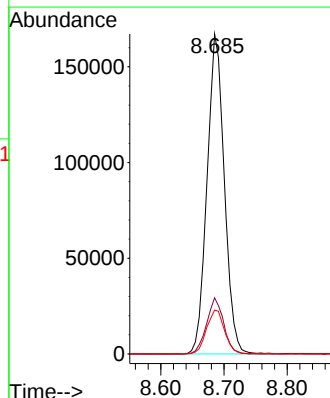
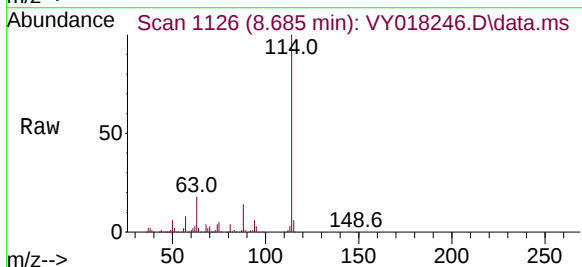
Tgt Ion:114 Resp: 318653

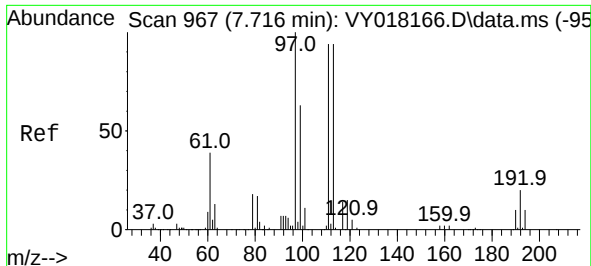
Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

88 13.7 0.0 27.2





#35

Dibromofluoromethane

Concen: 55.705 ug/l

RT: 7.716 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY018246.D

Acq: 13 May 2024 16:59

Instrument :

MSVOA_Y

ClientSampleId :

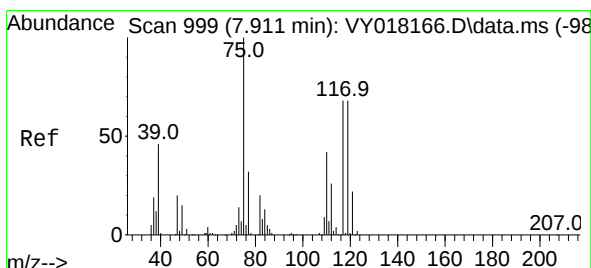
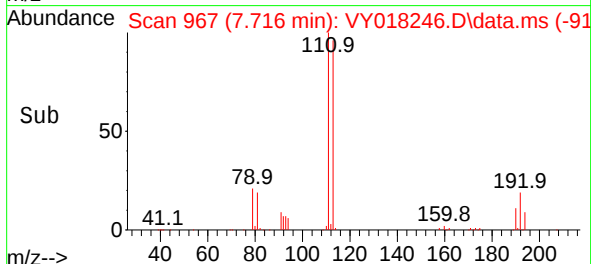
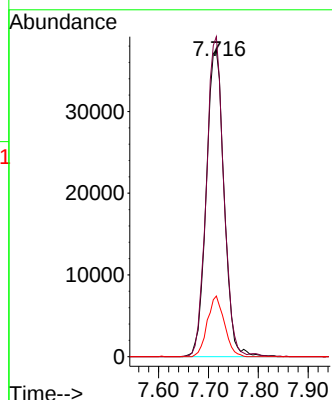
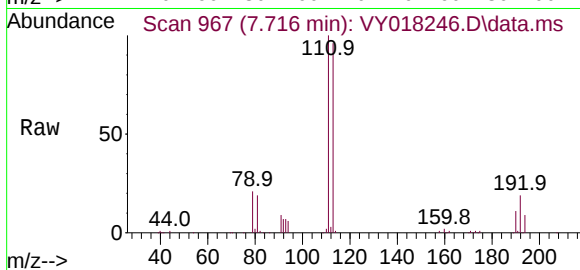
Tgt Ion:113 Resp: 93287

Ion Ratio Lower Upper

113 100

111 101.2 82.2 123.4

192 18.9 15.9 23.9



#36

1,1-Dichloropropene

Concen: 5.285 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.128 min

Lab File: VY018246.D

Acq: 13 May 2024 16:59

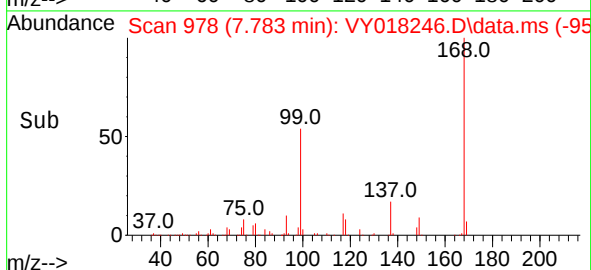
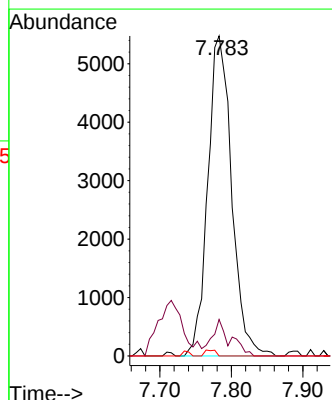
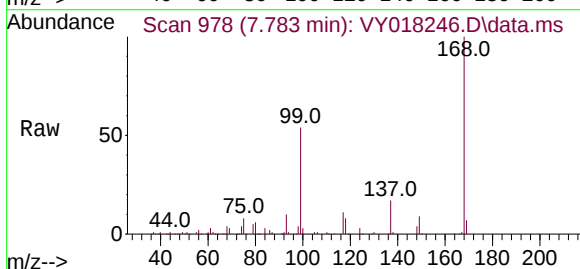
Tgt Ion: 75 Resp: 12689

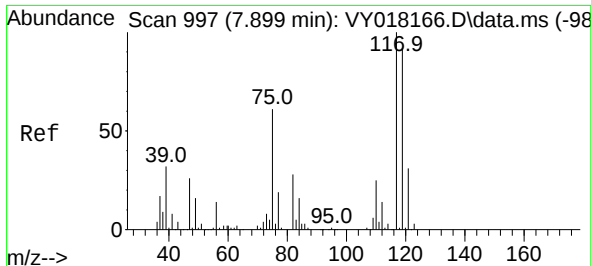
Ion Ratio Lower Upper

75 100

110 3.8 19.0 57.0#

77 0.8 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.285 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.116 min

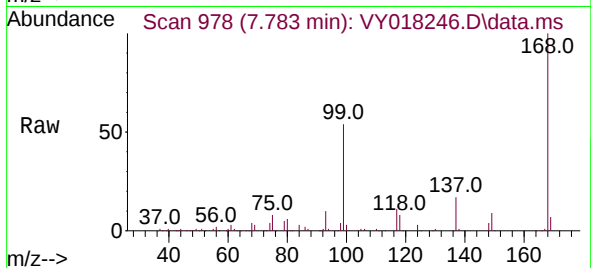
Lab File: VY018246.D

Acq: 13 May 2024 16:59

Instrument :

MSVOA_Y

ClientSampleId :



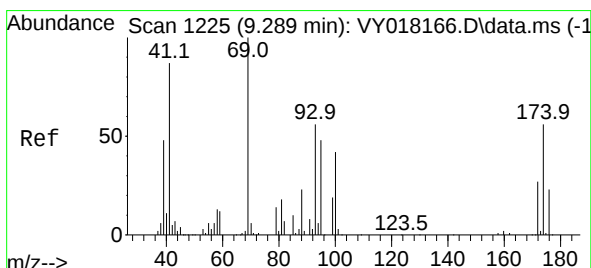
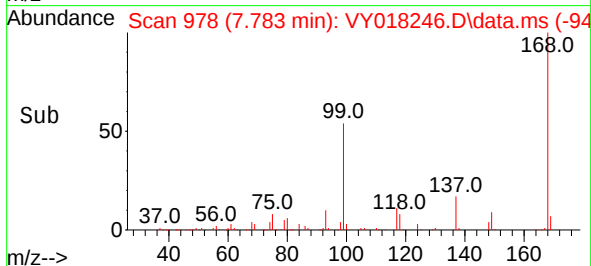
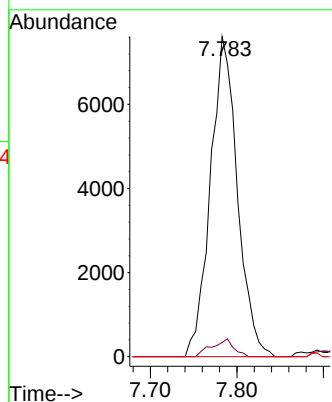
Tgt Ion:117 Resp: 16486

Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.6#

121 0.0 24.0 36.0#



#49

1,4-Dioxane

Concen: 2.950 ug/l

RT: 9.313 min Scan# 1229

Delta R.T. 0.024 min

Lab File: VY018246.D

Acq: 13 May 2024 16:59

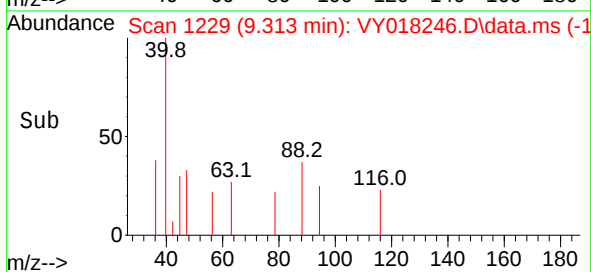
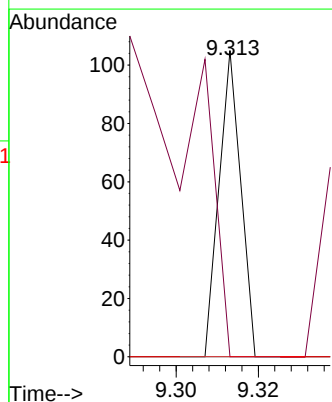
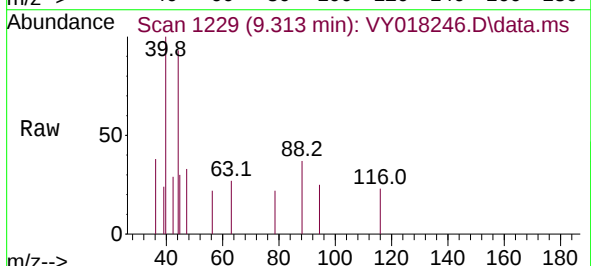
Tgt Ion: 88 Resp: 38

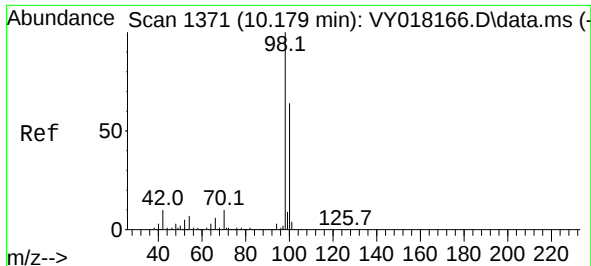
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 49.3 73.9#





#50

Toluene-d8

Concen: 54.938 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY018246.D

Acq: 13 May 2024 16:59

Instrument :

MSVOA_Y

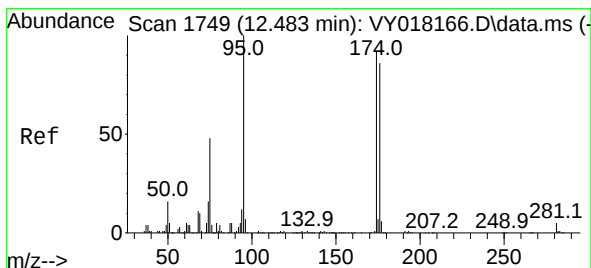
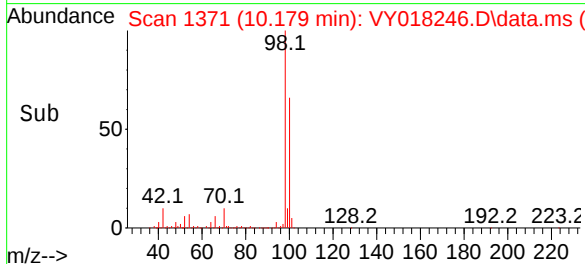
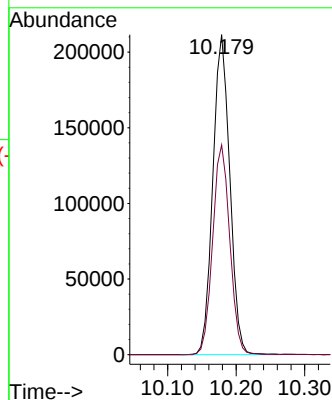
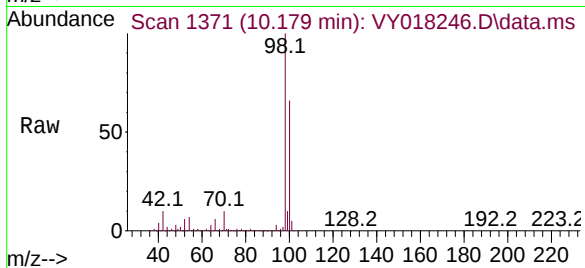
ClientSampleId :

Tgt Ion: 98 Resp: 362549

Ion Ratio Lower Upper

98 100

100 66.2 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 51.306 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY018246.D

Acq: 13 May 2024 16:59

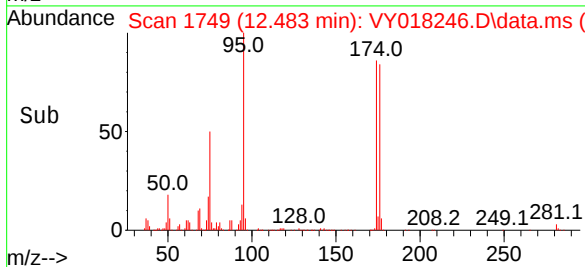
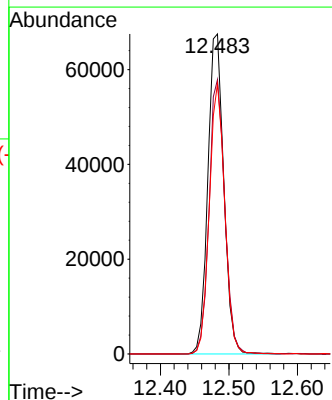
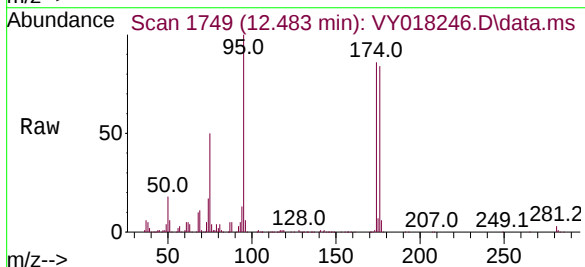
Tgt Ion: 95 Resp: 109342

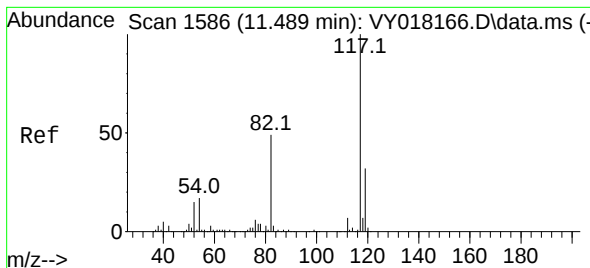
Ion Ratio Lower Upper

95 100

174 84.0 0.0 175.6

176 82.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018246.D

Acq: 13 May 2024 16:59

Instrument :

MSVOA_Y

ClientSampleId :

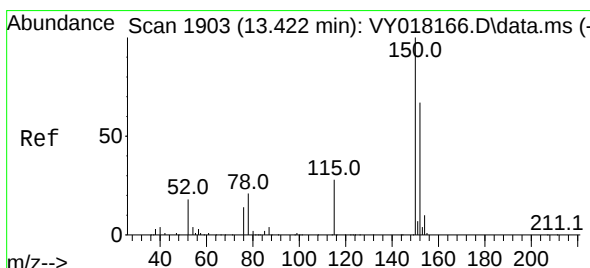
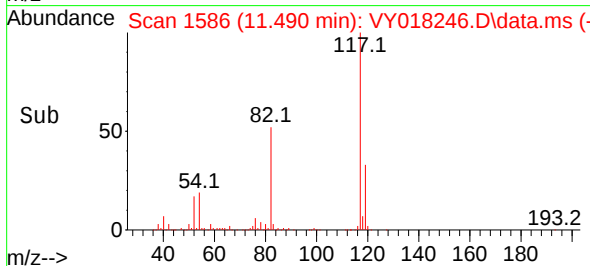
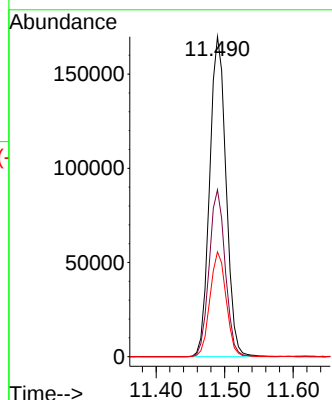
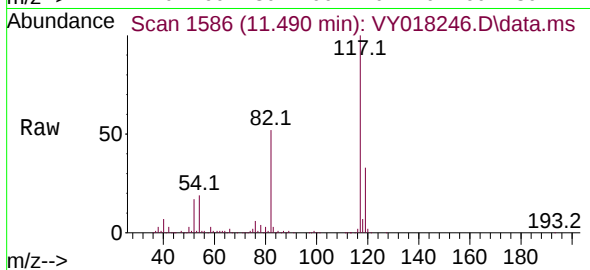
Tgt Ion:117 Resp: 282855

Ion Ratio Lower Upper

117 100

82 52.2 42.4 63.6

119 32.8 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY018246.D

Acq: 13 May 2024 16:59

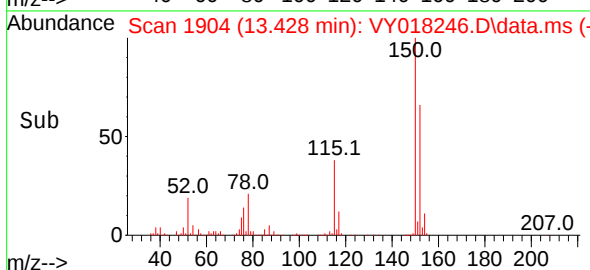
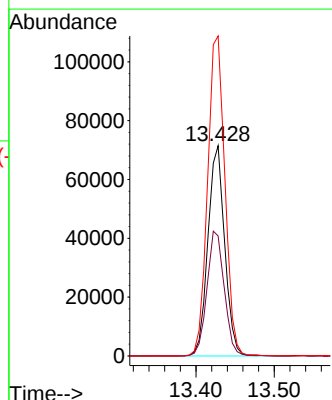
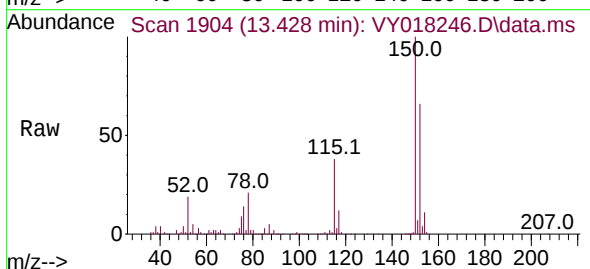
Tgt Ion:152 Resp: 106079

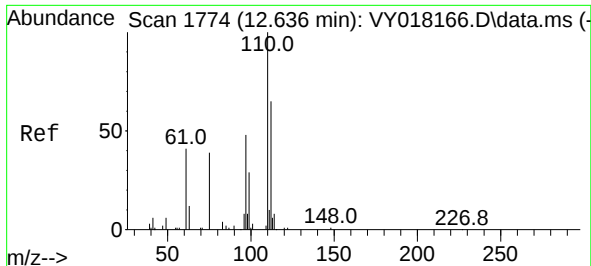
Ion Ratio Lower Upper

152 100

115 61.2 28.2 84.7

150 157.3 0.0 345.6

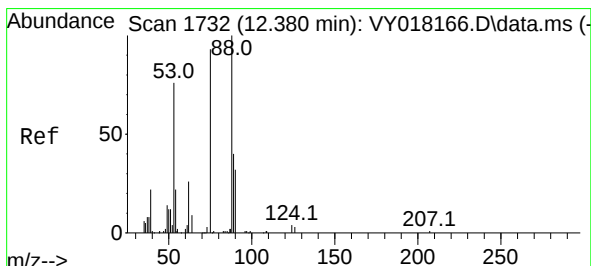
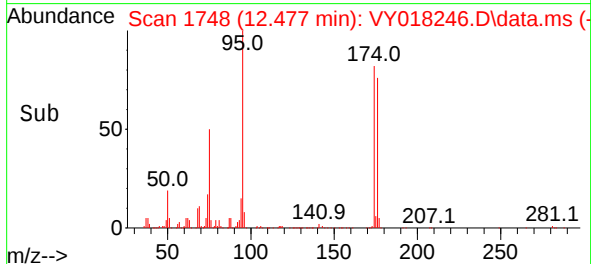
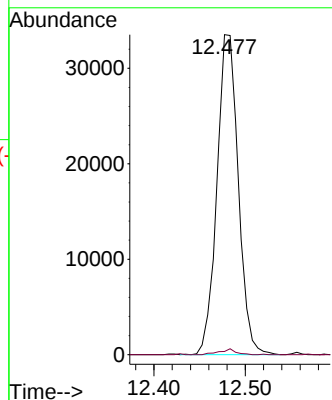
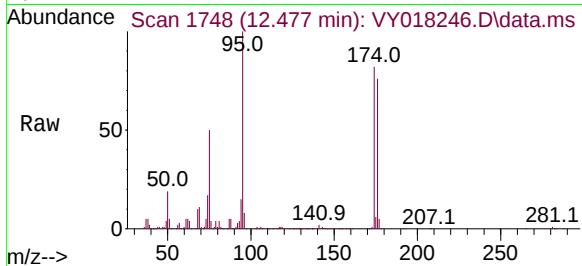




#76
1,2,3-Trichloropropane
Concen: 64.205 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY018246.D
Acq: 13 May 2024 16:59

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 54516
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.701 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY018246.D
Acq: 13 May 2024 16:59

Tgt Ion: 75 Resp: 54516
Ion Ratio Lower Upper
75 100
53 0.2 66.8 100.2#
89 0.2 35.8 53.6#

