

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
 Data File : VY020487.D
 Acq On : 02 Dec 2024 15:58
 Operator : SY/MD
 Sample : P5048-03
 Misc : 3.44g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-746--VOC

Quant Time: Dec 02 21:57:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 02 14:47:59 2024
 Response via : Initial Calibration

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

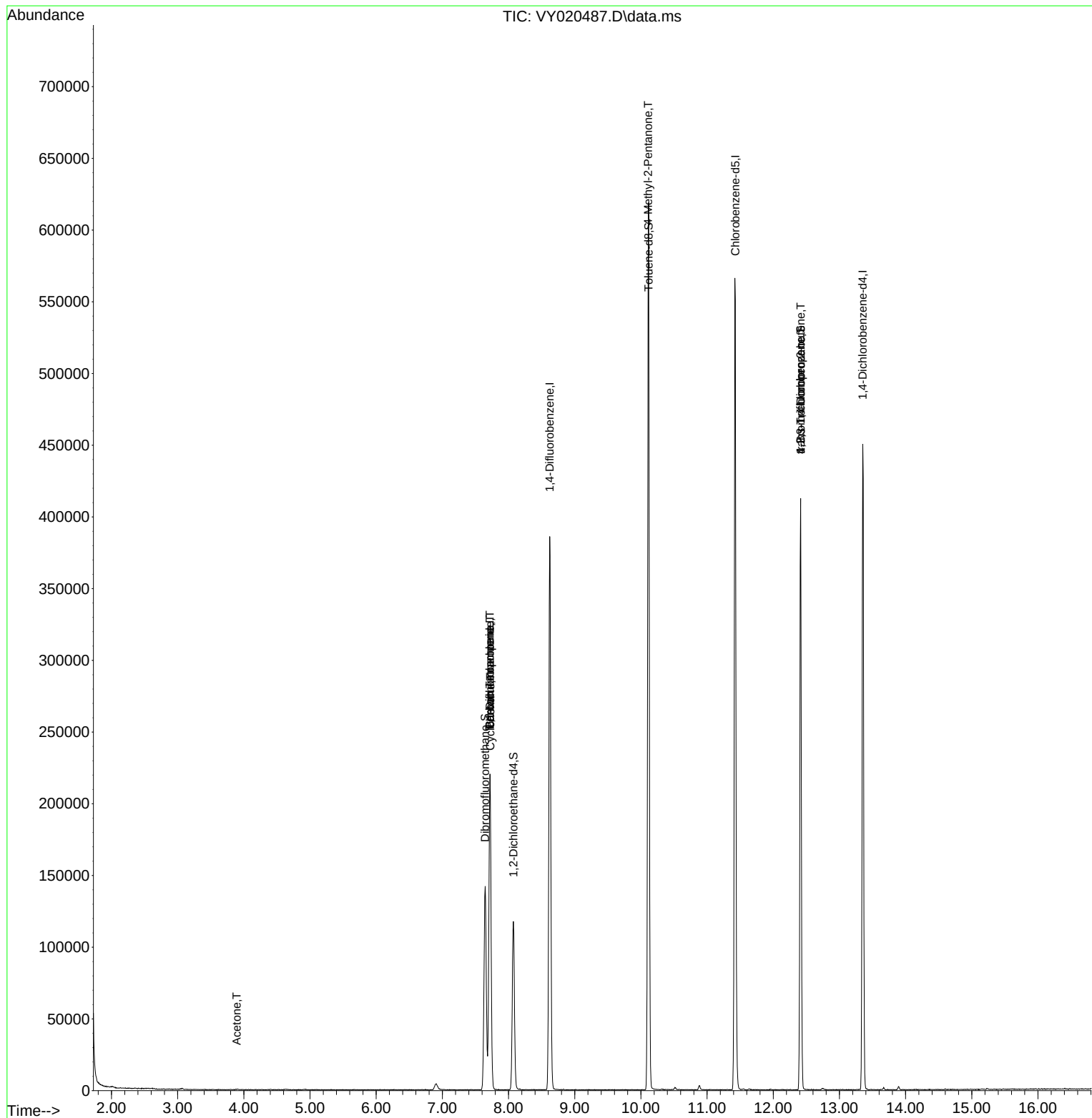
Internal Standards						
1) Pentafluorobenzene	7.719	168	165742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	324262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	297670	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.353	152	112430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	98632	58.514	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.020%	
35) Dibromofluoromethane	7.646	113	101939	49.936	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.880%	
50) Toluene-d8	10.115	98	393749	50.654	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.300%	
62) 4-Bromofluorobenzene	12.414	95	124139	45.662	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	= 91.320%	
Target Compounds						
					Qvalue	
16) Acetone	3.891	43	626	1.494	ug/l #	43
31) Cyclohexane	7.726	56	3687	1.110	ug/l #	8
36) 1,1-Dichloropropene	7.719	75	13835	4.013	ug/l #	53
38) Carbon Tetrachloride	7.719	117	18031	4.382	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	1829	1.343	ug/l #	1
76) 1,2,3-Trichloropropane	12.414	75	69529	60.708	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	69529	124.563	ug/l #	9

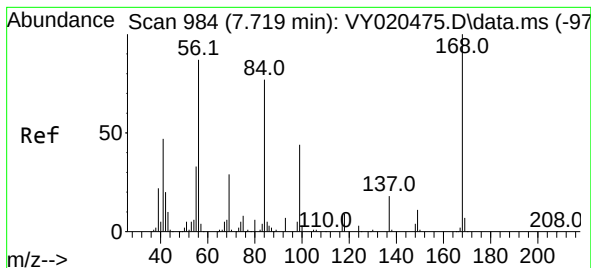
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.719 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY020487.D

Acq: 02 Dec 2024 15:58

Instrument :

MSVOA_Y

ClientSampleId :

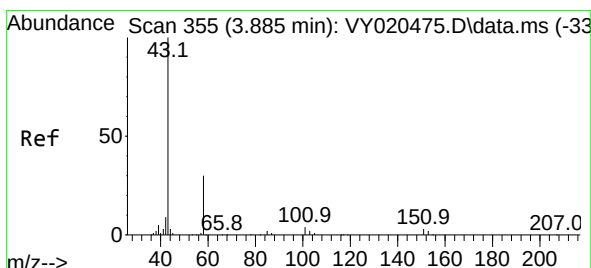
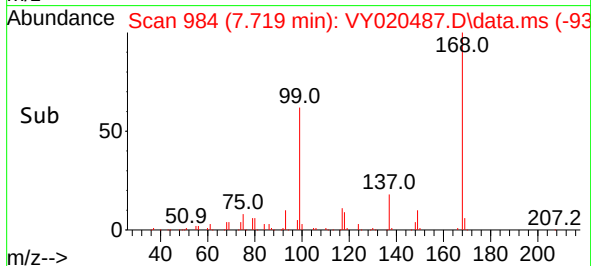
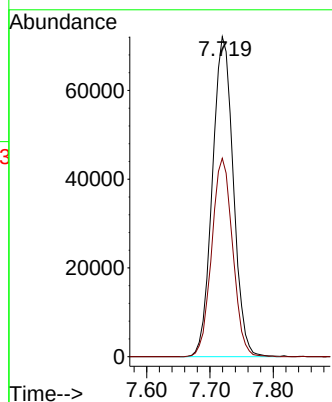
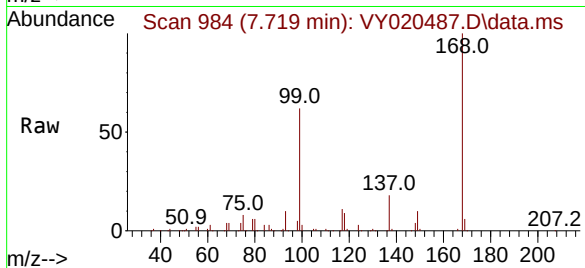
MH-746--VOC

Tgt Ion:168 Resp: 165742

Ion Ratio Lower Upper

168 100

99 62.0 46.6 69.8



#16

Acetone

Concen: 1.494 ug/l

RT: 3.891 min Scan# 356

Delta R.T. 0.018 min

Lab File: VY020487.D

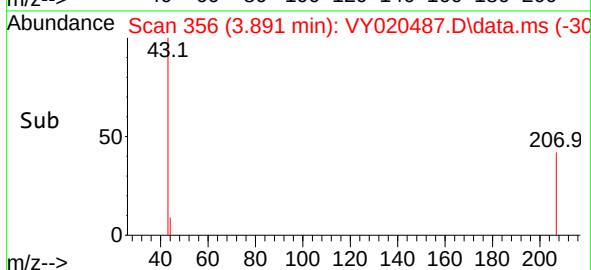
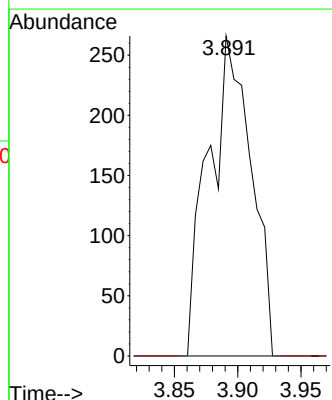
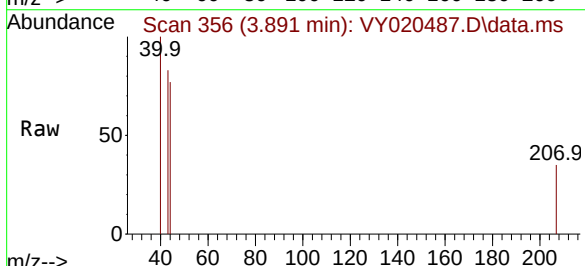
Acq: 02 Dec 2024 15:58

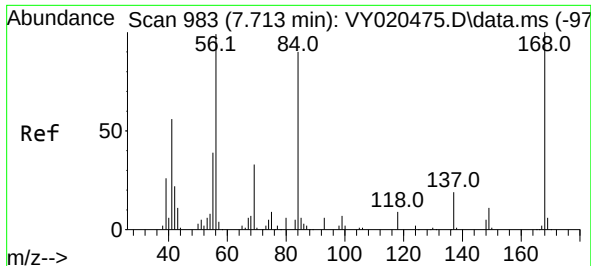
Tgt Ion: 43 Resp: 626

Ion Ratio Lower Upper

43 100

58 0.0 25.7 38.5#

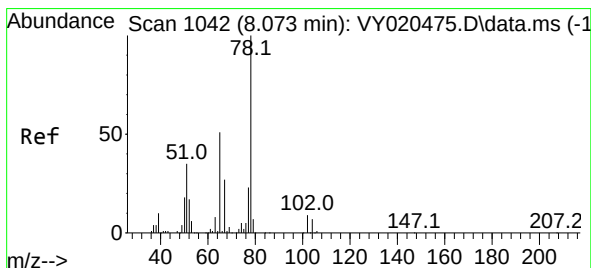
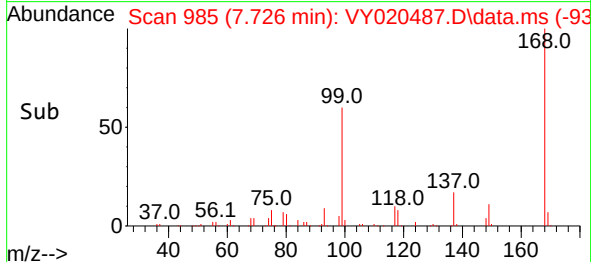
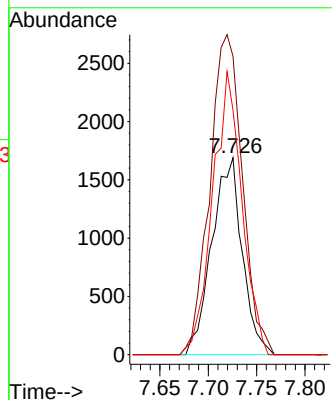
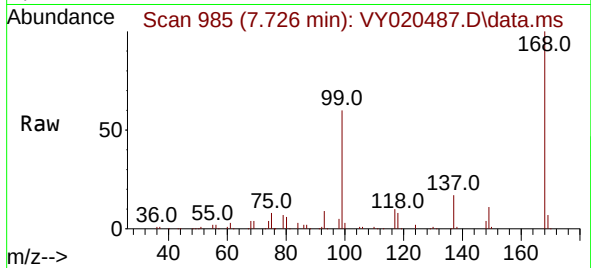




#31
Cyclohexane
Concen: 1.110 ug/l
RT: 7.726 min Scan# 985
Delta R.T. 0.024 min
Lab File: VY020487.D
Acq: 02 Dec 2024 15:58

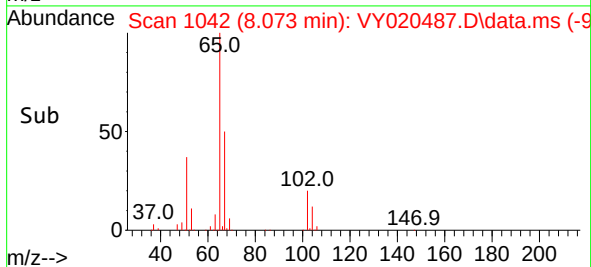
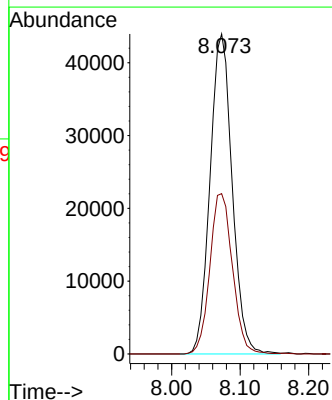
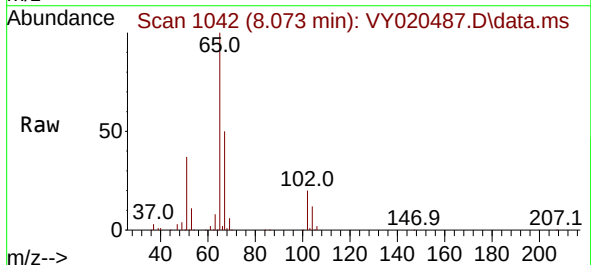
Instrument :
MSVOA_Y
ClientSampleId :
MH-746--VOC

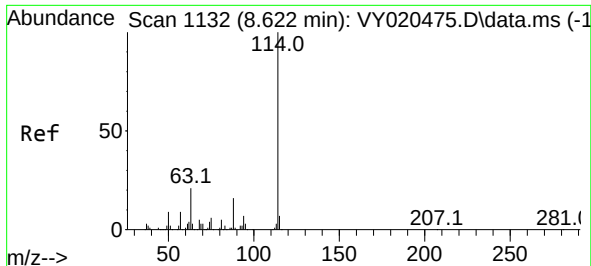
Tgt Ion: 56 Resp: 3687
Ion Ratio Lower Upper
56 100
69 151.5 25.3 37.9#
84 124.2 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 58.514 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY020487.D
Acq: 02 Dec 2024 15:58

Tgt Ion: 65 Resp: 98632
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY020487.D

Acq: 02 Dec 2024 15:58

Instrument :

MSVOA_Y

ClientSampleId :

MH-746--VOC

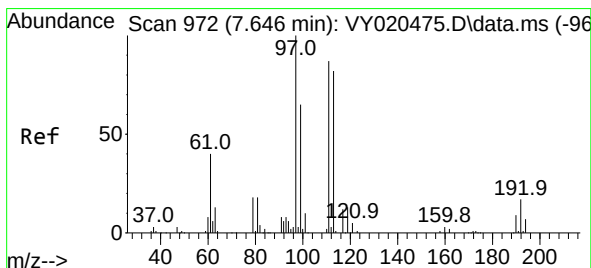
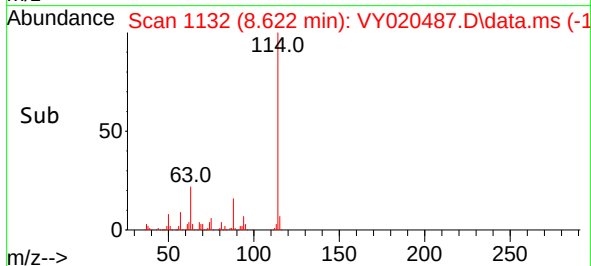
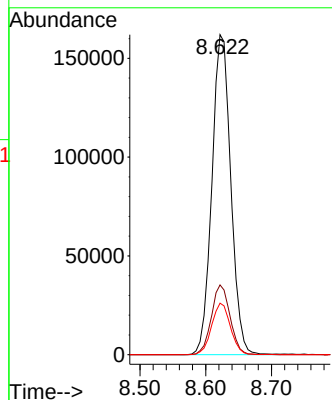
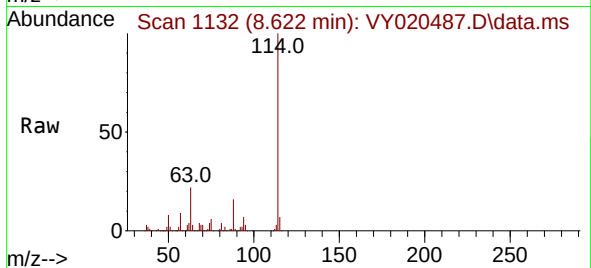
Tgt Ion:114 Resp: 324262

Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.8

88 16.1 0.0 32.0



#35

Dibromofluoromethane

Concen: 49.936 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.012 min

Lab File: VY020487.D

Acq: 02 Dec 2024 15:58

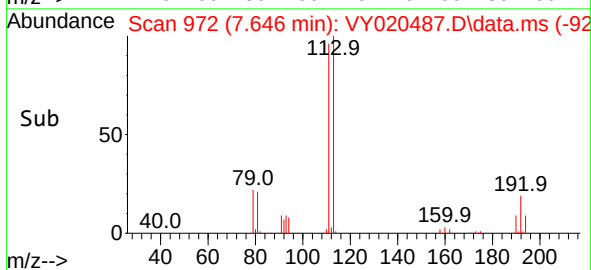
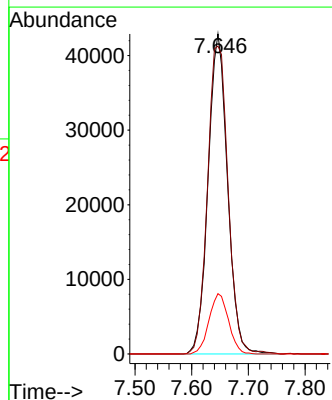
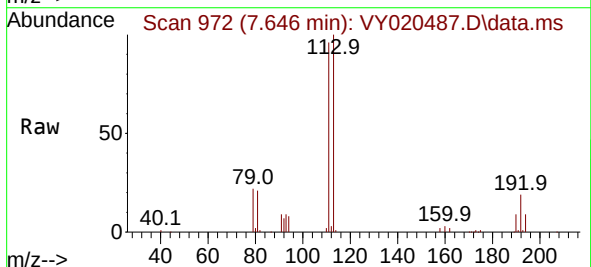
Tgt Ion:113 Resp: 101939

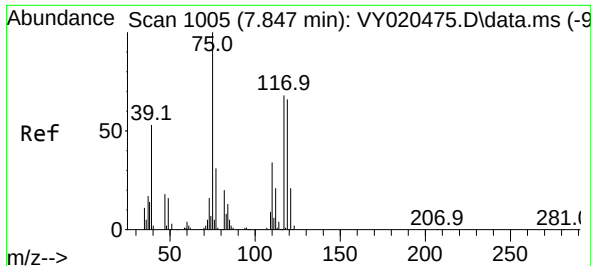
Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

192 18.9 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.013 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.122 min

Lab File: VY020487.D

Acq: 02 Dec 2024 15:58

Instrument :

MSVOA_Y

ClientSampleId :

MH-746--VOC

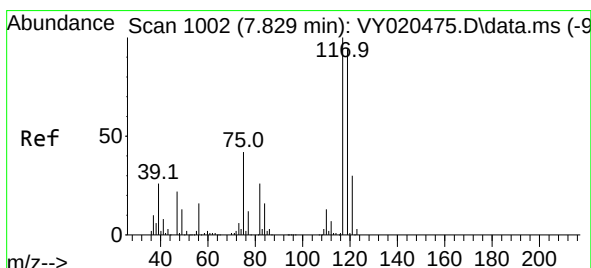
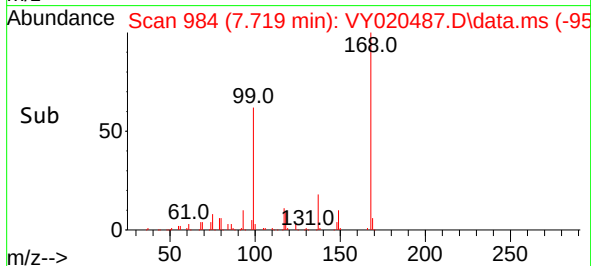
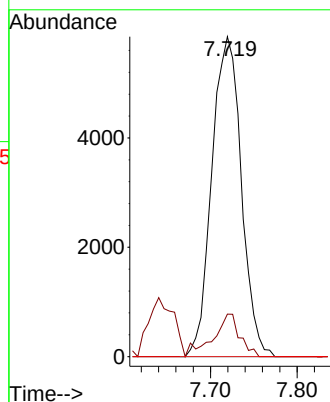
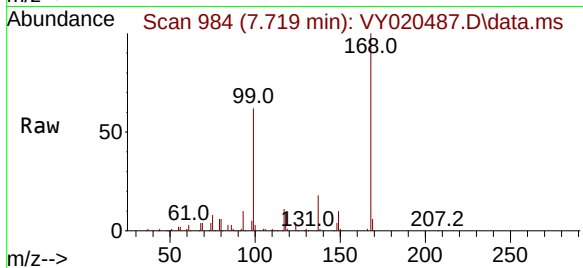
Tgt Ion: 75 Resp: 13835

Ion Ratio Lower Upper

75 100

110 11.0 16.7 50.0#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 4.382 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.104 min

Lab File: VY020487.D

Acq: 02 Dec 2024 15:58

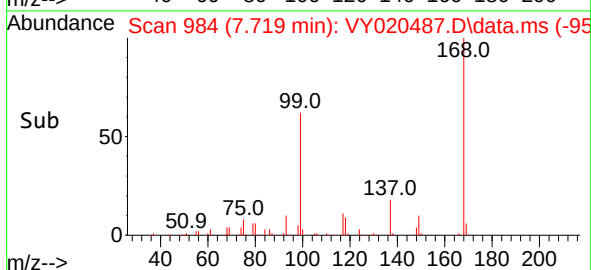
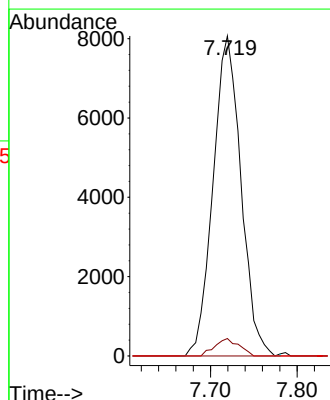
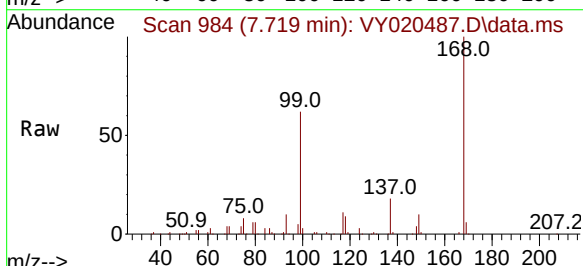
Tgt Ion: 117 Resp: 18031

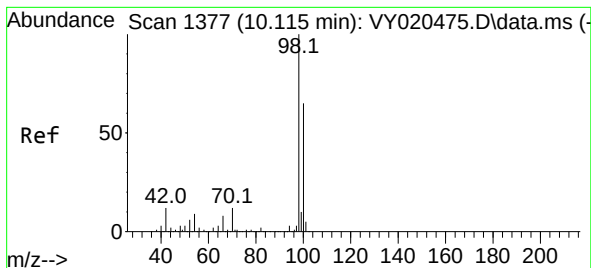
Ion Ratio Lower Upper

117 100

119 5.4 77.8 116.6#

121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 50.654 ug/l

RT: 10.115 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY020487.D

Acq: 02 Dec 2024 15:58

Instrument :

MSVOA_Y

ClientSampleId :

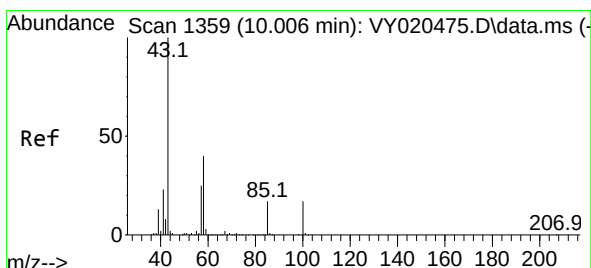
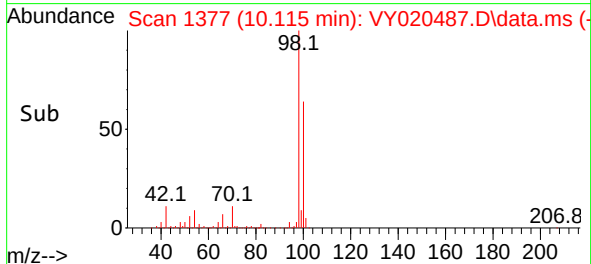
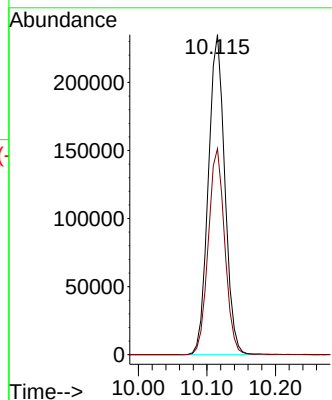
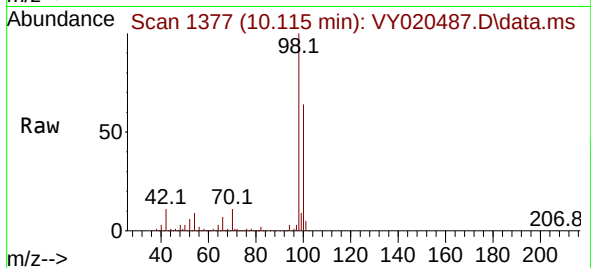
MH-746--VOC

Tgt Ion: 98 Resp: 393749

Ion Ratio Lower Upper

98 100

100 64.4 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 1.343 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.110 min

Lab File: VY020487.D

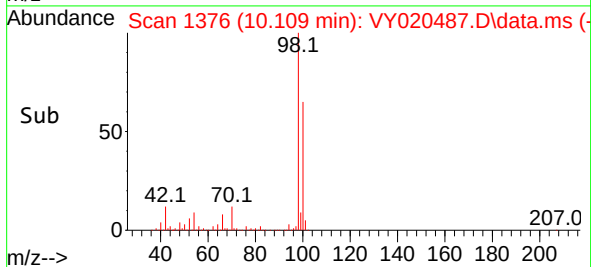
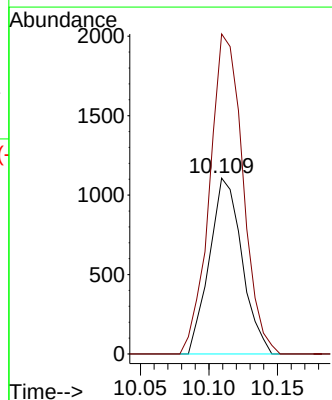
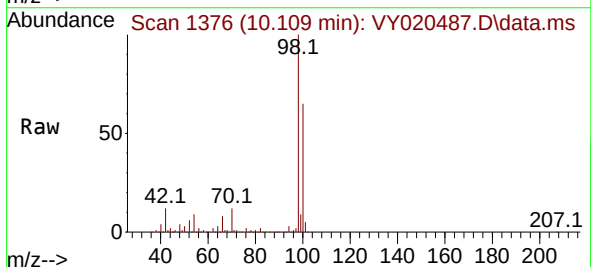
Acq: 02 Dec 2024 15:58

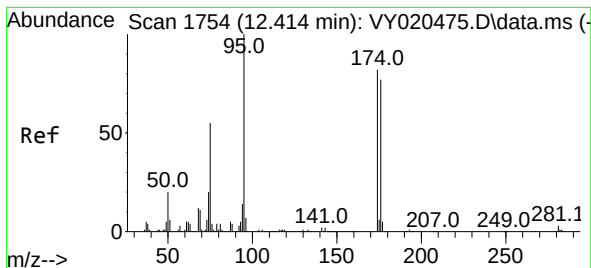
Tgt Ion: 43 Resp: 1829

Ion Ratio Lower Upper

43 100

58 186.0 30.9 46.3#





#62

4-Bromofluorobenzene

Concen: 45.662 ug/l

RT: 12.414 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY020487.D

Acq: 02 Dec 2024 15:58

Instrument :

MSVOA_Y

ClientSampleId :

MH-746--VOC

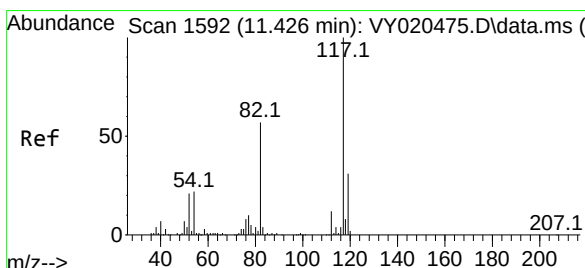
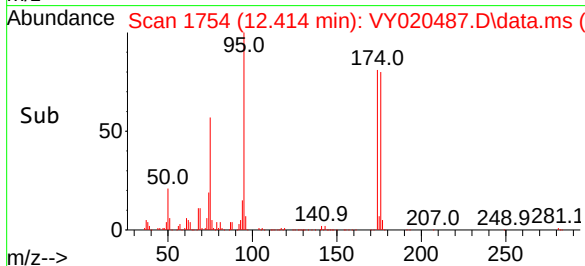
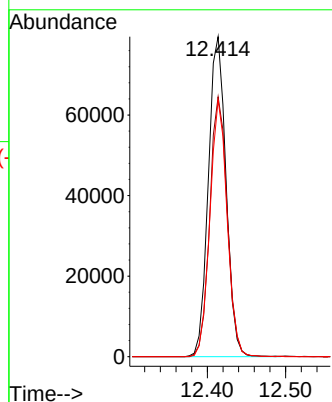
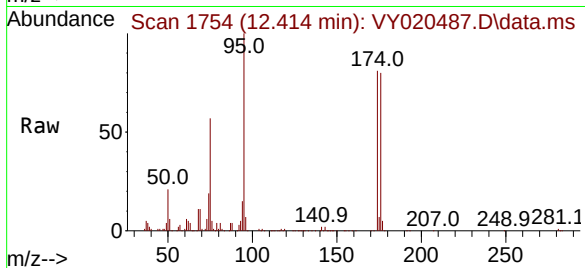
Tgt Ion: 95 Resp: 124139

Ion Ratio Lower Upper

95 100

174 80.6 0.0 156.8

176 78.2 0.0 152.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 1592

Delta R.T. 0.012 min

Lab File: VY020487.D

Acq: 02 Dec 2024 15:58

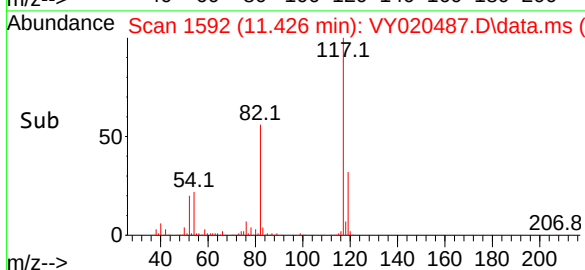
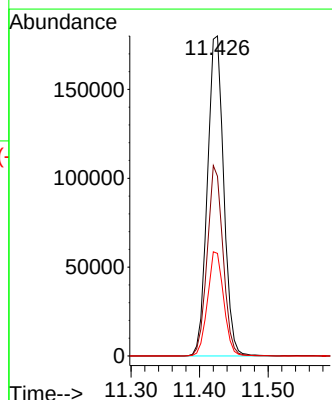
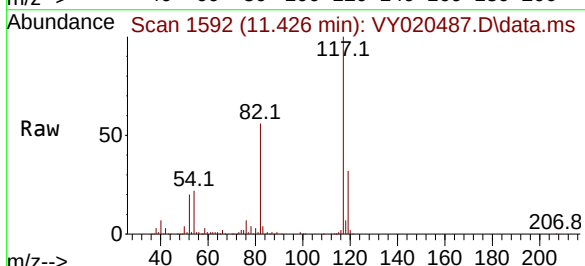
Tgt Ion: 117 Resp: 297670

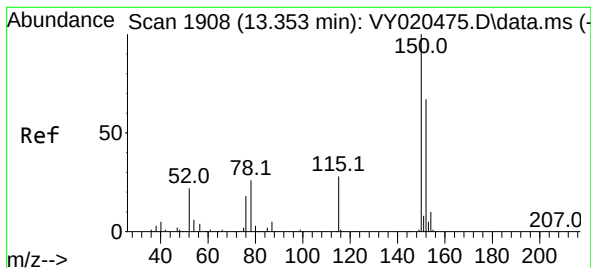
Ion Ratio Lower Upper

117 100

82 56.2 48.2 72.4

119 32.0 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY020487.D

Acq: 02 Dec 2024 15:58

Instrument :

MSVOA_Y

ClientSampleId :

MH-746--VOC

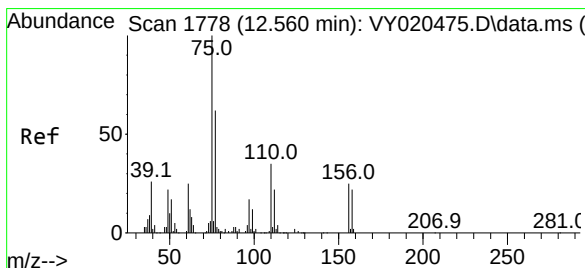
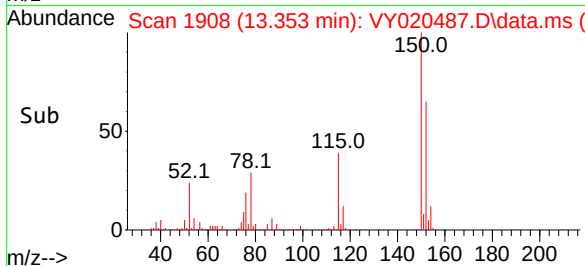
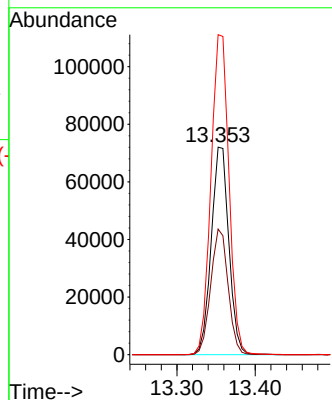
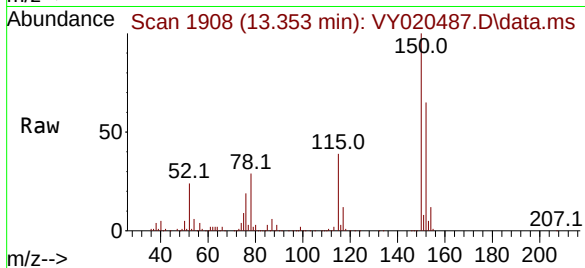
Tgt Ion:152 Resp: 112430

Ion Ratio Lower Upper

152 100

115 59.8 30.0 90.0

150 157.7 0.0 348.2



#76

1,2,3-Trichloropropane

Concen: 60.708 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.140 min

Lab File: VY020487.D

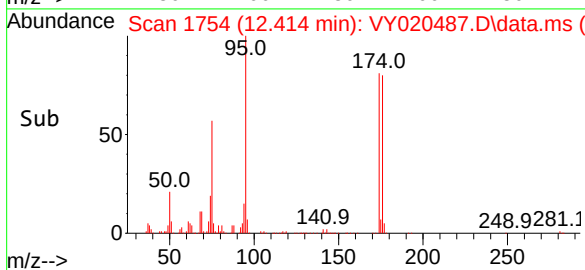
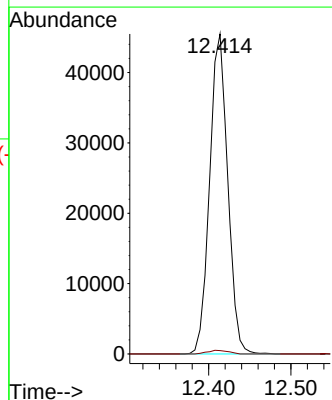
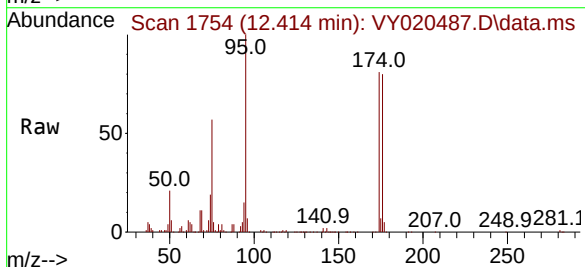
Acq: 02 Dec 2024 15:58

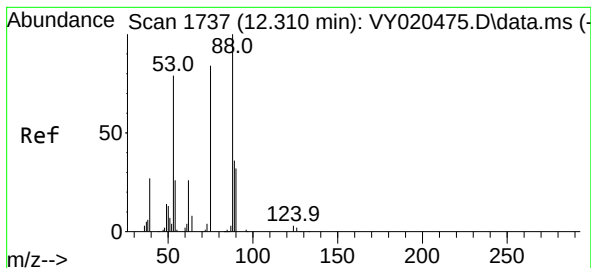
Tgt Ion: 75 Resp: 69529

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.563 ug/l
 RT: 12.414 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY020487.D
 Acq: 02 Dec 2024 15:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-746--VOC

Tgt Ion: 75 Resp: 69529
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.1 121.7#
 89 0.0 35.1 52.7#

