

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022309.D
 Acq On : 19 May 2025 11:28
 Operator : SY/MD
 Sample : Q2057-03
 Misc : 4.36g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-L-VOC

Quant Time: May 20 01:11:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

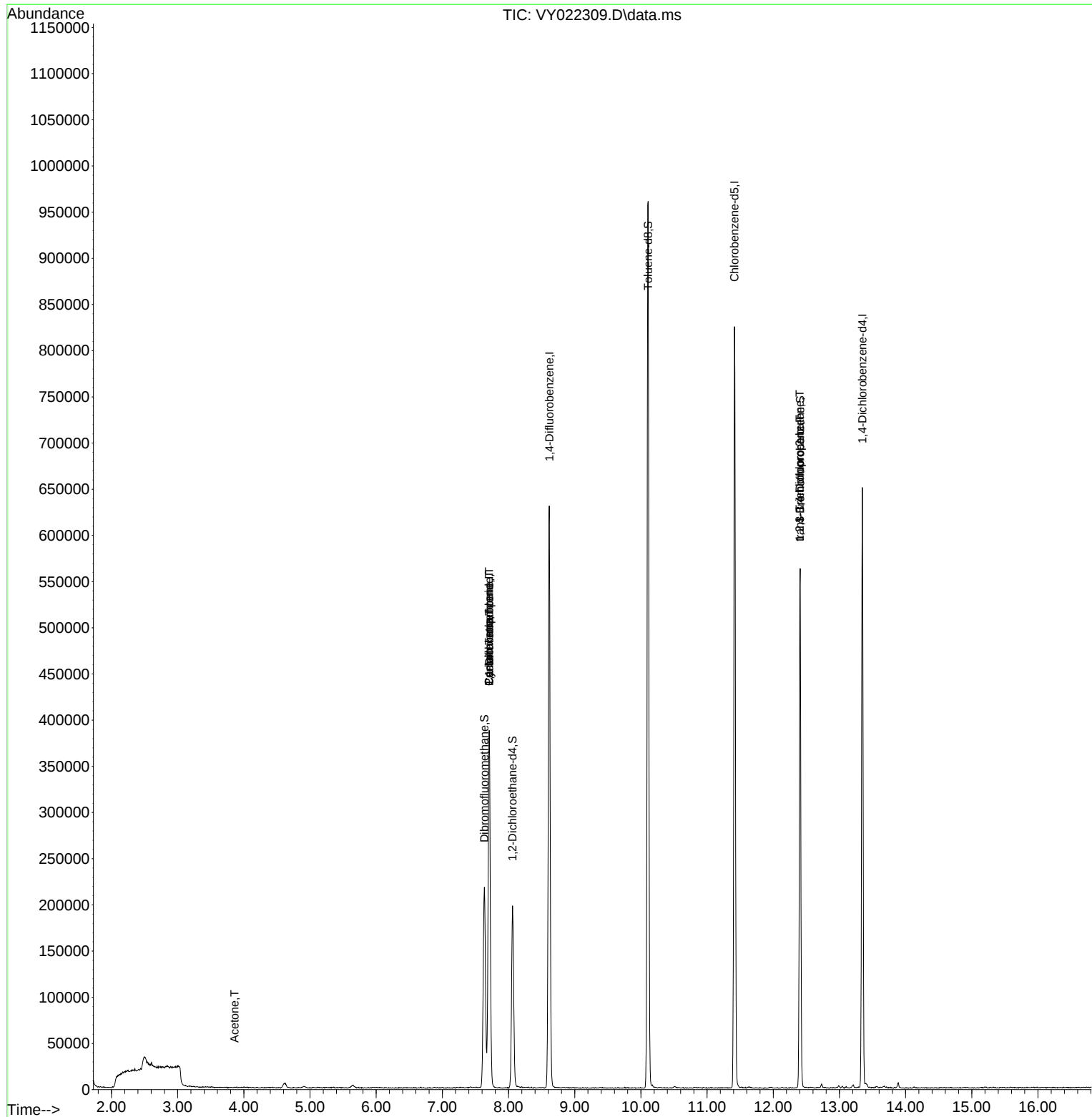
Internal Standards						
1) Pentafluorobenzene	7.707	168	294100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	516997	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	411990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	150600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147142	45.778	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.560%
35) Dibromofluoromethane	7.634	113	151265	49.021	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.040%
50) Toluene-d8	10.109	98	618443	48.936	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.880%
62) 4-Bromofluorobenzene	12.408	95	155193	38.742	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.480%
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	694	1.152	ug/l #	45
31) Cyclohexane	7.707	56	7559	1.163	ug/l #	25
36) 1,1-Dichloropropene	7.707	75	24811	4.882	ug/l #	52
38) Carbon Tetrachloride	7.707	117	29659	5.637	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	92416	60.571	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	92416	122.702	ug/l #	12

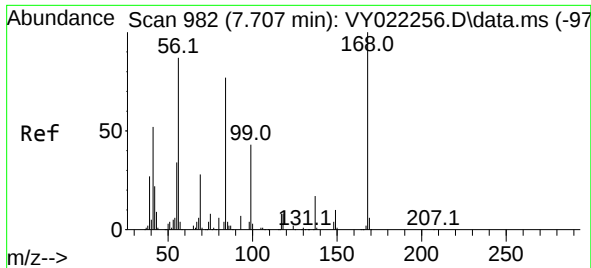
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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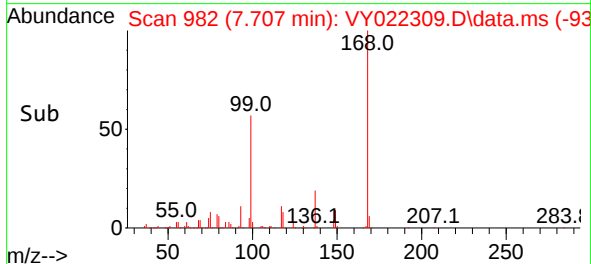
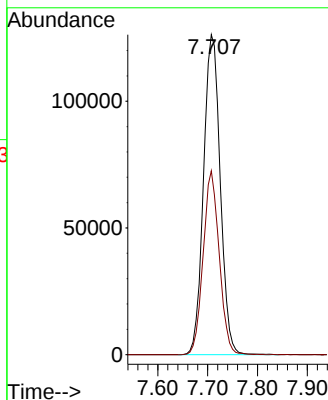
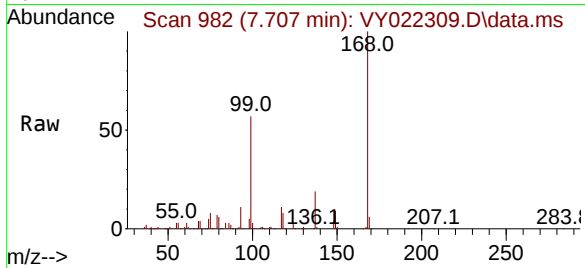




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022309.D
Acq: 19 May 2025 11:28

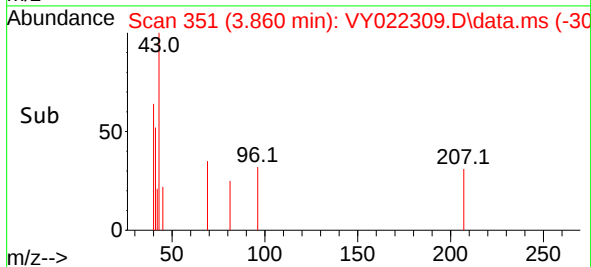
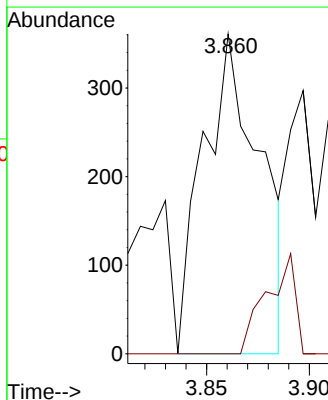
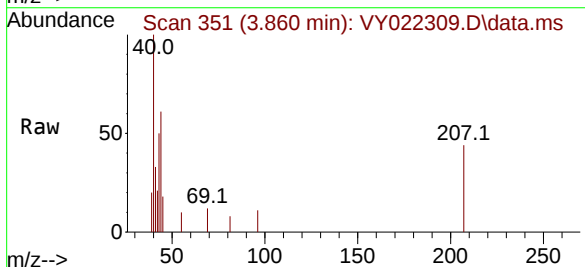
Instrument :
MSVOA_Y
ClientSampleId :
MH-L-VOC

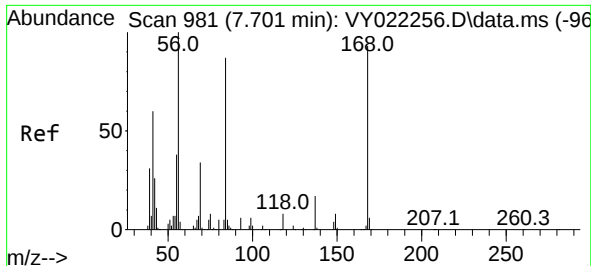
Tgt Ion:168 Resp: 294100
Ion Ratio Lower Upper
168 100
99 57.5 44.2 66.4



#16
Acetone
Concen: 1.152 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY022309.D
Acq: 19 May 2025 11:28

Tgt Ion: 43 Resp: 694
Ion Ratio Lower Upper
43 100
58 0.0 23.6 35.4#

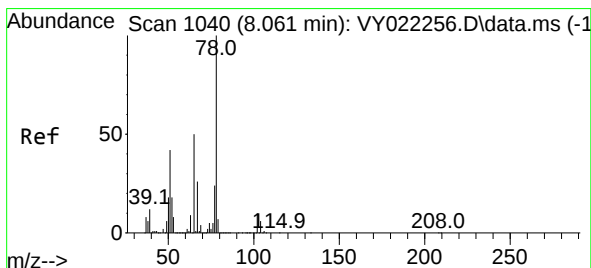
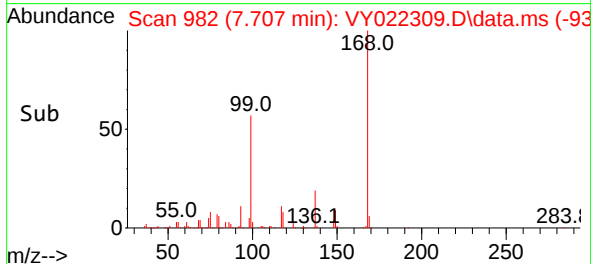
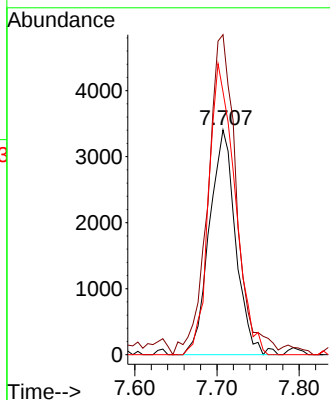
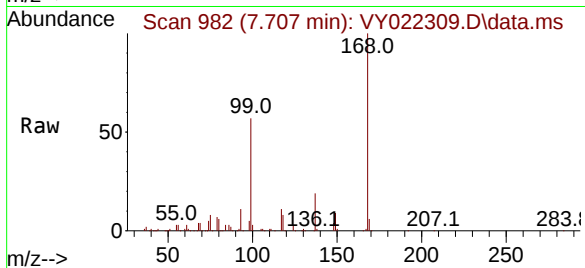




#31
Cyclohexane
Concen: 1.163 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022309.D
Acq: 19 May 2025 11:28

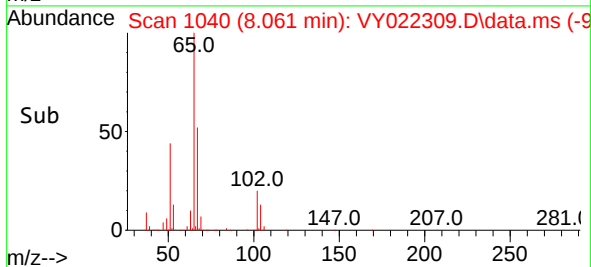
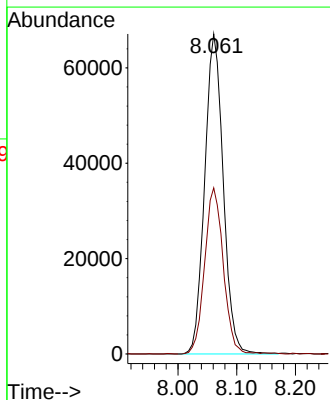
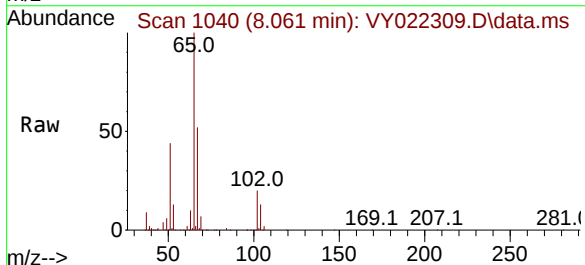
Instrument :
MSVOA_Y
ClientSampleId :
MH-L-VOC

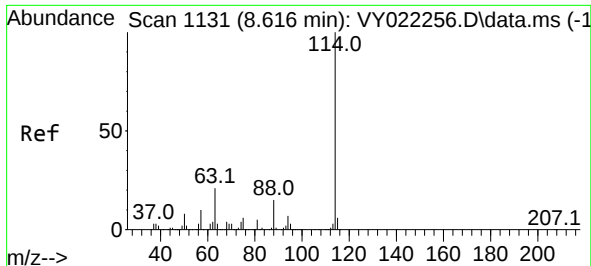
Tgt Ion: 56 Resp: 7559
Ion Ratio Lower Upper
56 100
69 140.2 27.4 41.2#
84 116.9 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 45.778 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022309.D
Acq: 19 May 2025 11:28

Tgt Ion: 65 Resp: 147142
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.6

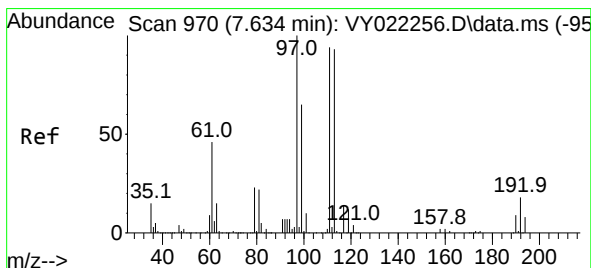
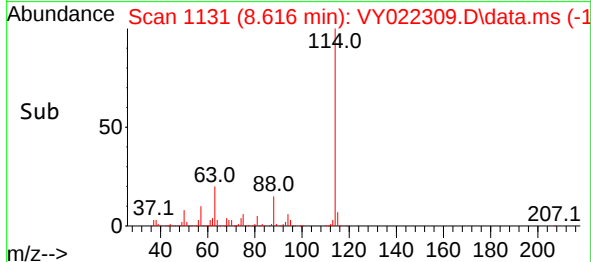
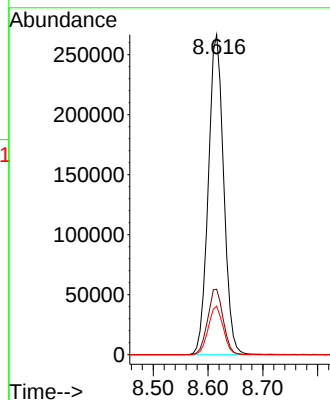
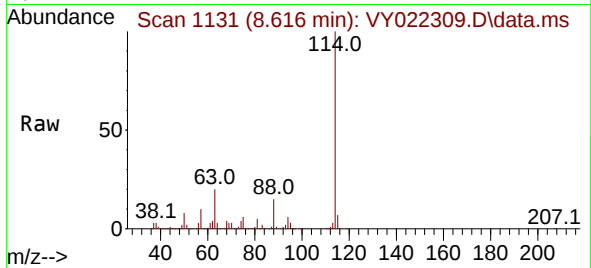




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022309.D
Acq: 19 May 2025 11:28

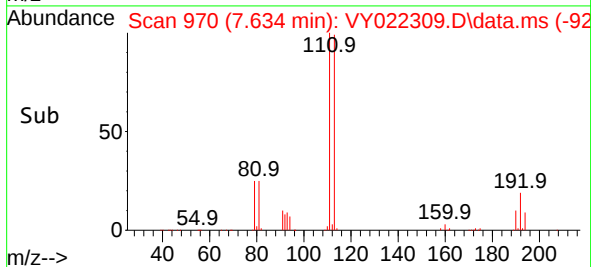
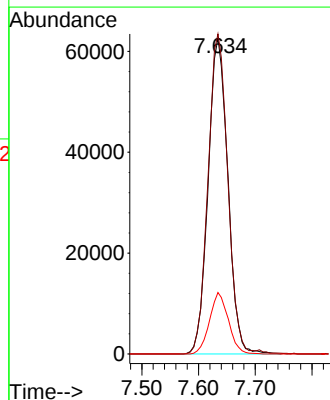
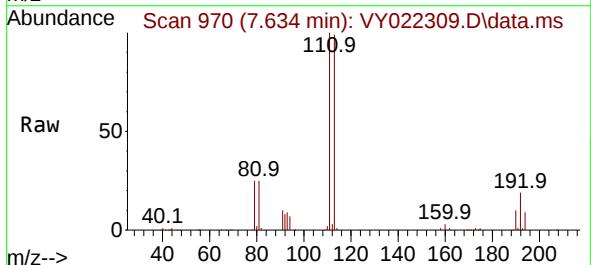
Instrument :
MSVOA_Y
ClientSampleId :
MH-L-VOC

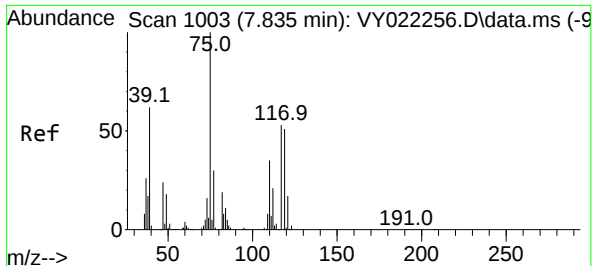
Tgt Ion:114 Resp: 516997
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.0
88 15.1 0.0 29.4



#35
Dibromofluoromethane
Concen: 49.021 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022309.D
Acq: 19 May 2025 11:28

Tgt Ion:113 Resp: 151265
Ion Ratio Lower Upper
113 100
111 102.0 82.6 123.8
192 18.6 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.882 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY022309.D

Acq: 19 May 2025 11:28

Instrument :

MSVOA_Y

ClientSampleId :

MH-L-VOC

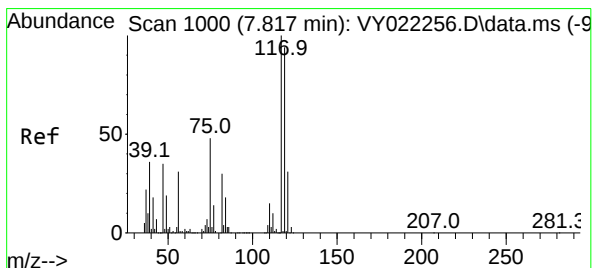
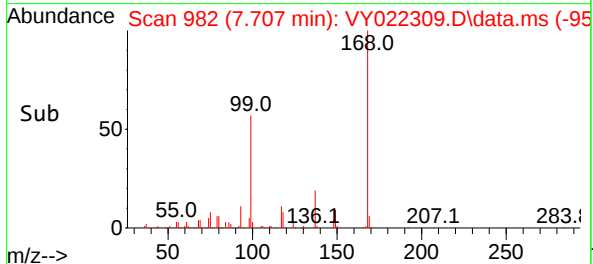
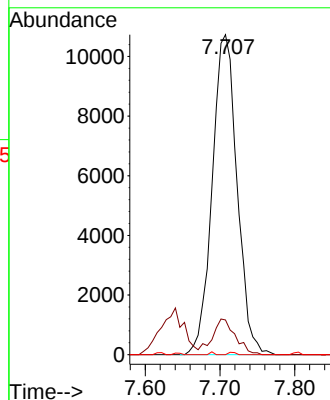
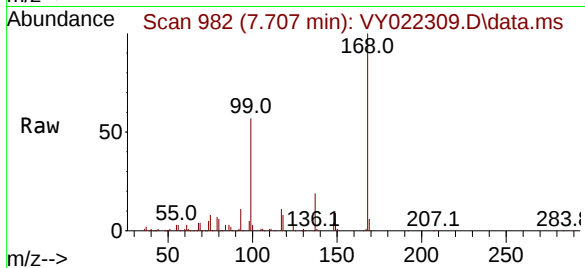
Tgt Ion: 75 Resp: 24811

Ion Ratio Lower Upper

75 100

110 10.3 16.6 49.8#

77 0.2 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.637 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022309.D

Acq: 19 May 2025 11:28

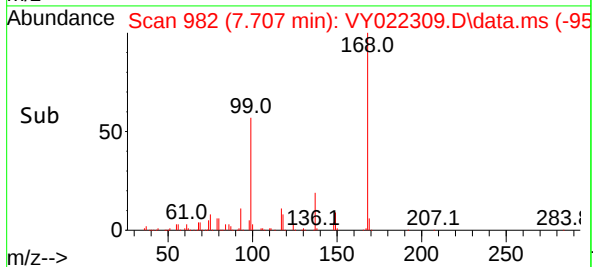
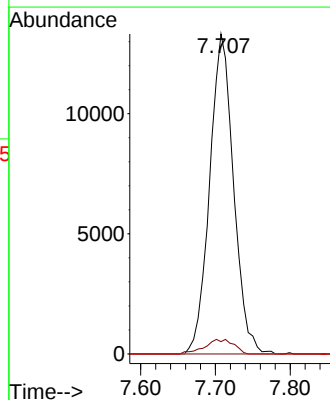
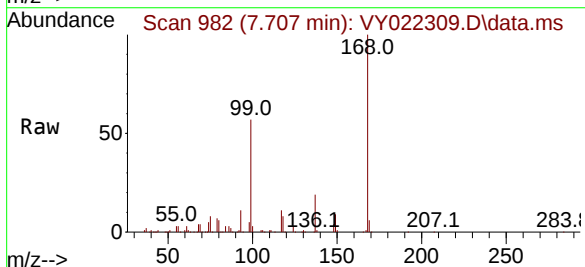
Tgt Ion: 117 Resp: 29659

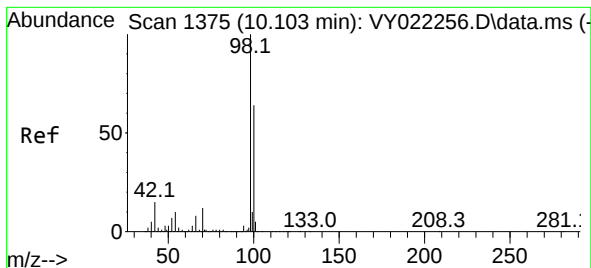
Ion Ratio Lower Upper

117 100

119 3.9 75.3 112.9#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 48.936 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022309.D

Acq: 19 May 2025 11:28

Instrument :

MSVOA_Y

ClientSampleId :

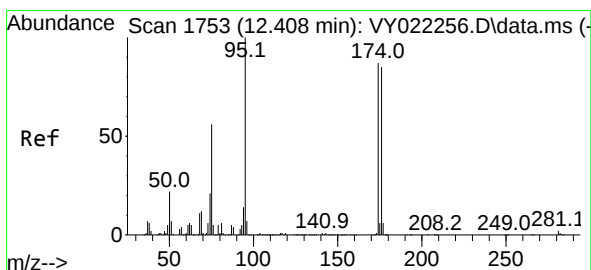
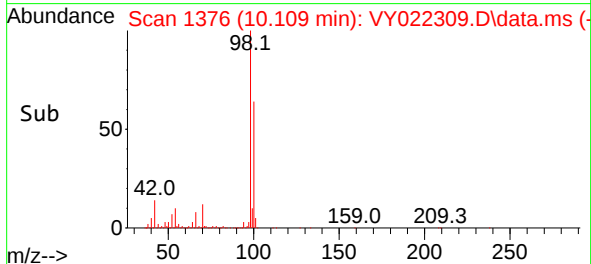
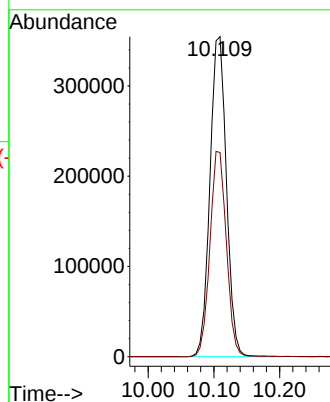
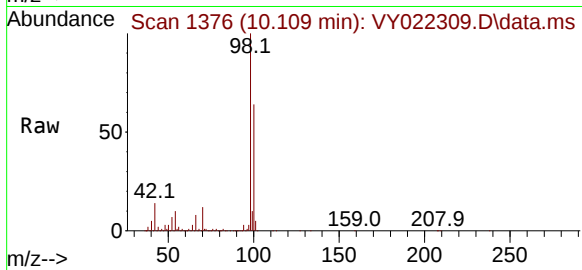
MH-L-VOC

Tgt Ion: 98 Resp: 618443

Ion Ratio Lower Upper

98 100

100 63.9 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 38.742 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY022309.D

Acq: 19 May 2025 11:28

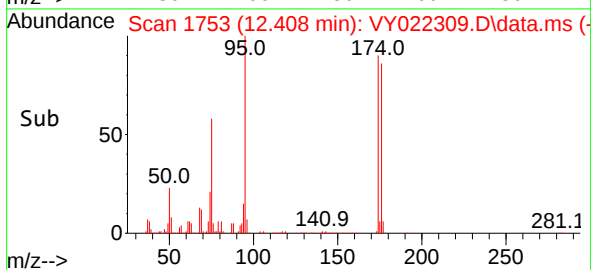
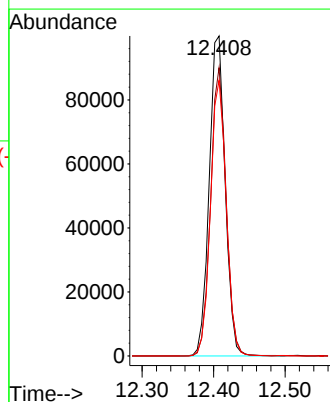
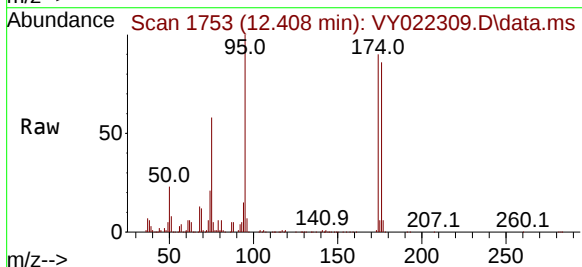
Tgt Ion: 95 Resp: 155193

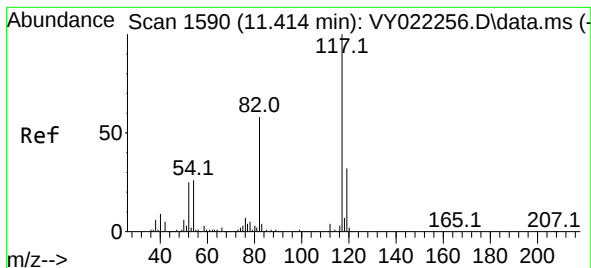
Ion Ratio Lower Upper

95 100

174 87.6 0.0 166.8

176 85.0 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022309.D

Acq: 19 May 2025 11:28

Instrument :

MSVOA_Y

ClientSampleId :

MH-L-VOC

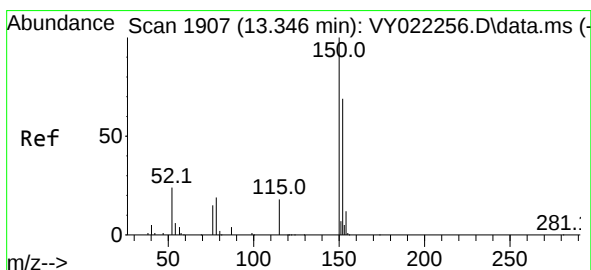
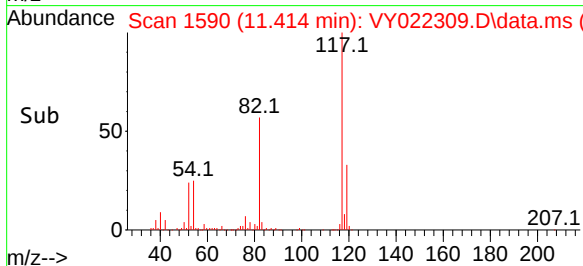
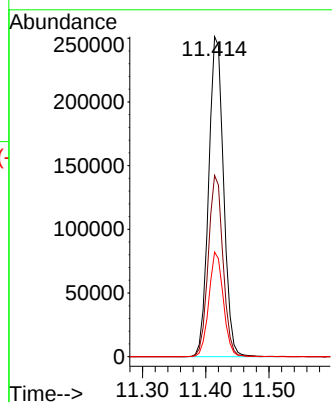
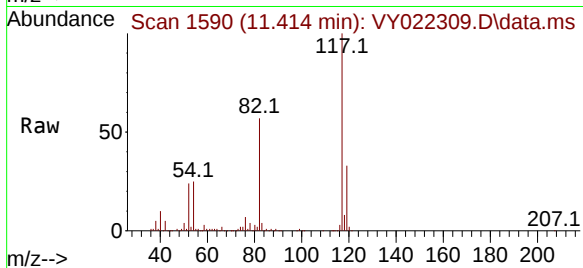
Tgt Ion:117 Resp: 411990

Ion Ratio Lower Upper

117 100

82 56.7 46.6 70.0

119 32.7 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022309.D

Acq: 19 May 2025 11:28

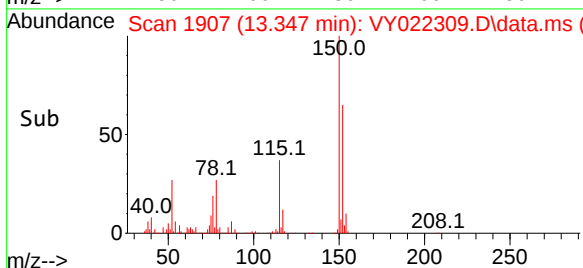
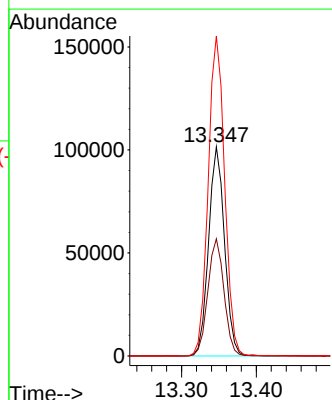
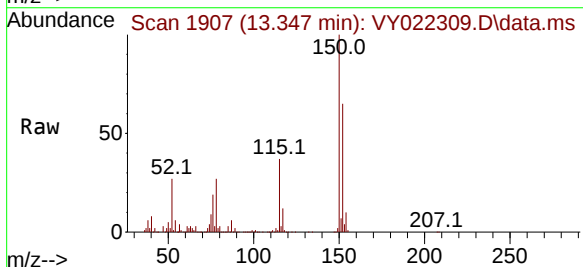
Tgt Ion:152 Resp: 150600

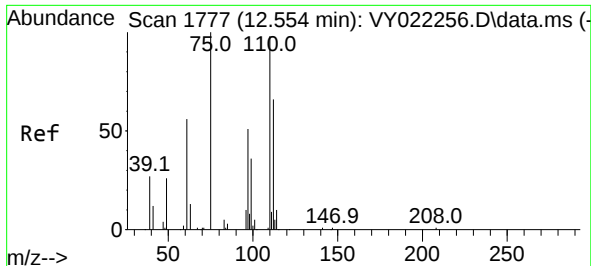
Ion Ratio Lower Upper

152 100

115 56.7 29.4 88.2

150 157.4 0.0 353.8

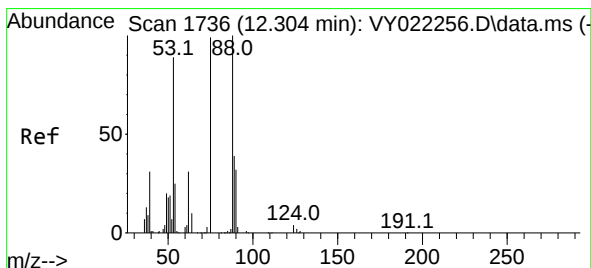
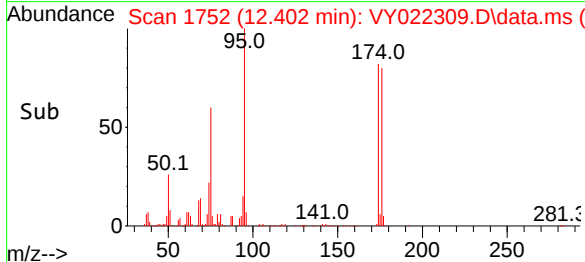
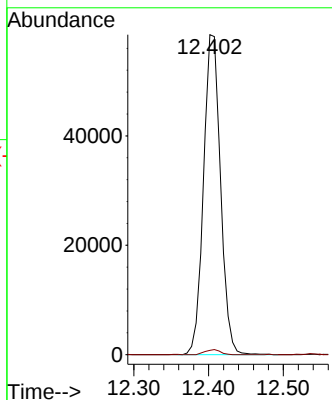
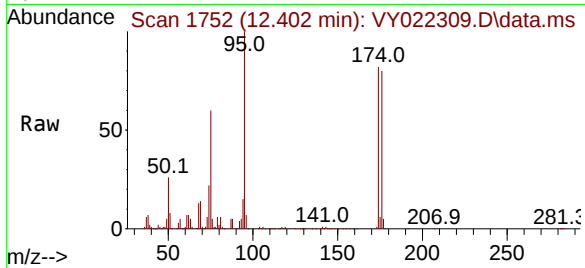




#76
1,2,3-Trichloropropane
Concen: 60.571 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022309.D
Acq: 19 May 2025 11:28

Instrument :
MSVOA_Y
ClientSampleId :
MH-L-VOC

Tgt Ion: 75 Resp: 92416
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.702 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022309.D
Acq: 19 May 2025 11:28

Tgt Ion: 75 Resp: 92416
Ion Ratio Lower Upper
75 100
53 0.2 75.8 113.8#
89 0.0 36.2 54.2#

