

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022286.D
 Acq On : 16 May 2025 13:17
 Operator : SY/MD
 Sample : Q1982-01
 Misc : 15.93g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1

Quant Time: May 17 01:32:31 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)

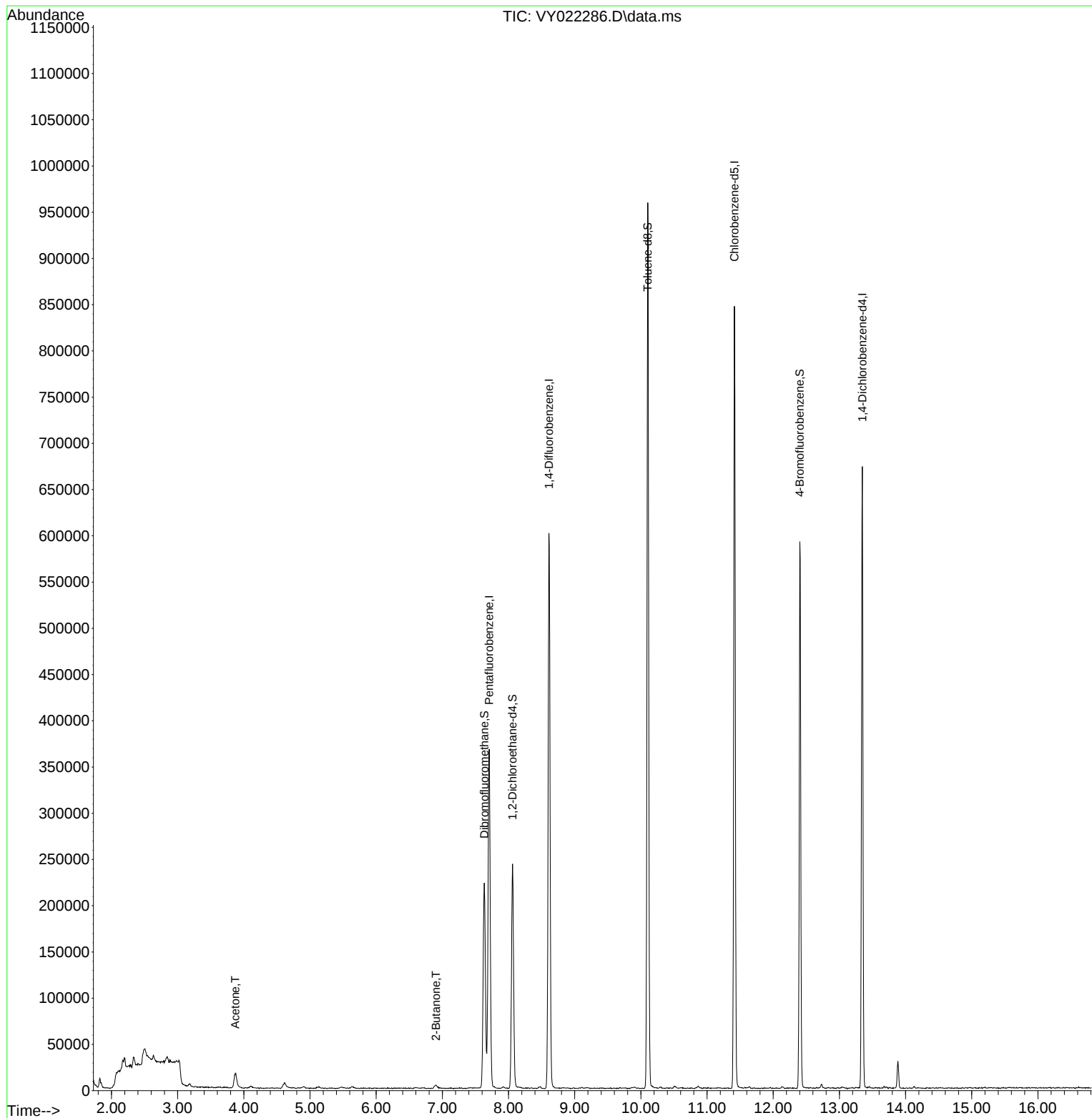
Internal Standards						
1) Pentafluorobenzene	7.707	168	279736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	499229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	412738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	154433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	183547	60.037	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.080%
35) Dibromofluoromethane	7.634	113	154177	51.743	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.480%
50) Toluene-d8	10.103	98	605727	49.635	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.280%
62) 4-Bromofluorobenzene	12.402	95	165203	42.709	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.420%
Target Compounds						
						Qvalue
16) Acetone	3.873	43	30512	53.226	ug/l	93
25) 2-Butanone	6.903	43	6095	6.356	ug/l #	88

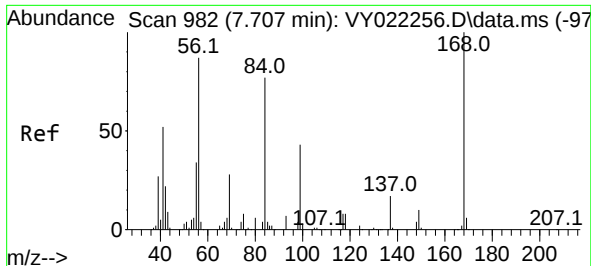
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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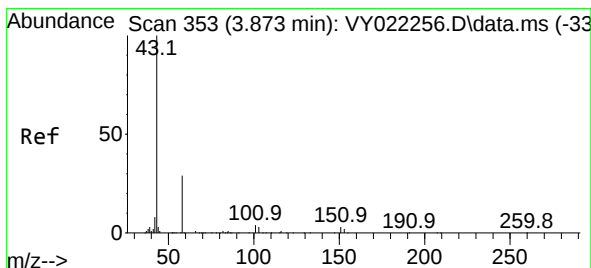
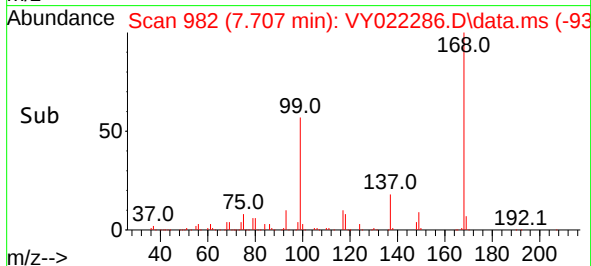
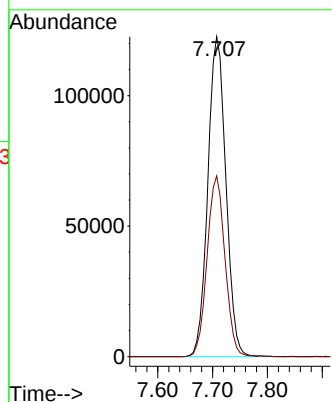
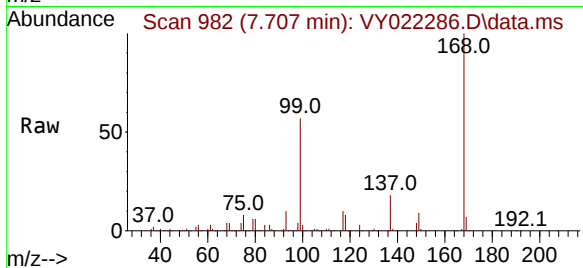




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022286.D
Acq: 16 May 2025 13:17

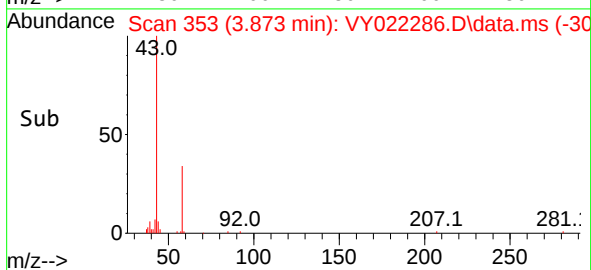
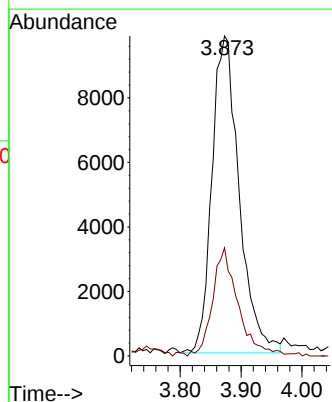
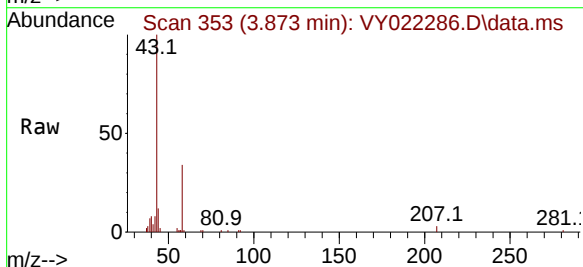
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

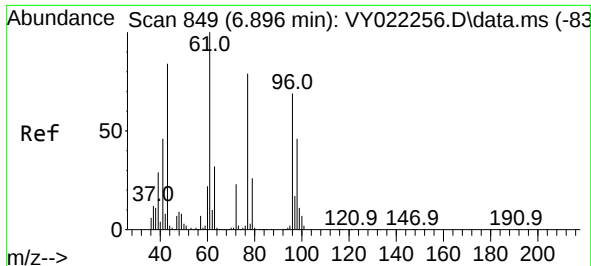
Tgt Ion:168 Resp: 279736
Ion Ratio Lower Upper
168 100
99 56.5 44.2 66.4



#16
Acetone
Concen: 53.226 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022286.D
Acq: 16 May 2025 13:17

Tgt Ion: 43 Resp: 30512
Ion Ratio Lower Upper
43 100
58 33.1 23.6 35.4





#25

2-Butanone

Concen: 6.356 ug/l

RT: 6.903 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY022286.D

Acq: 16 May 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

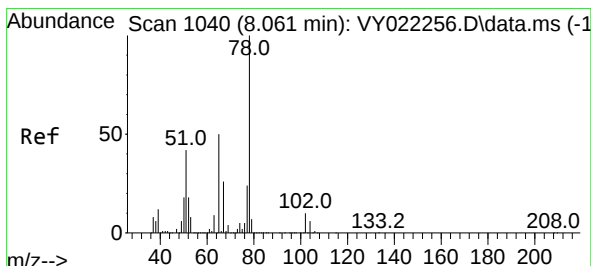
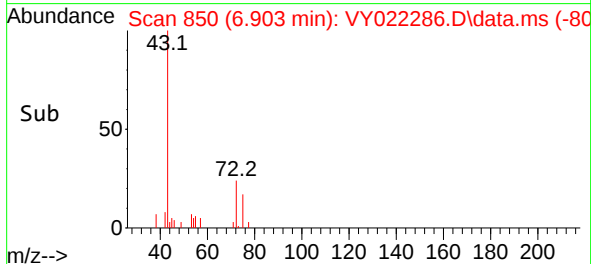
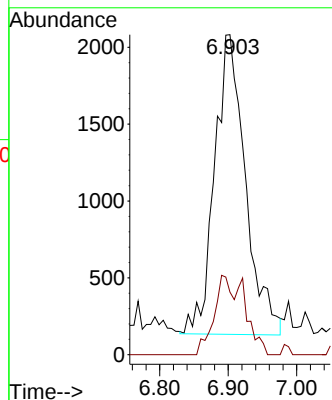
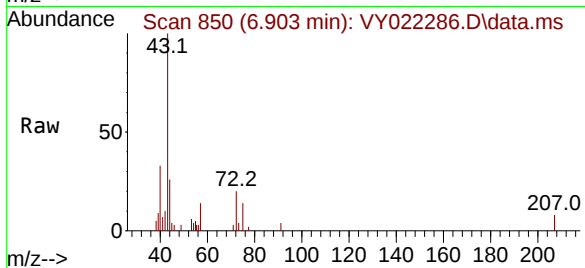
TP-1

Tgt Ion: 43 Resp: 6095

Ion Ratio Lower Upper

43 100

72 21.1 22.1 33.1#



#33

1,2-Dichloroethane-d4

Concen: 60.037 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022286.D

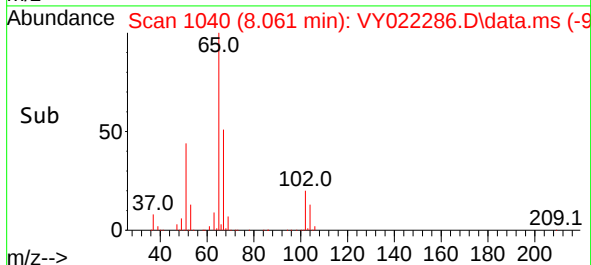
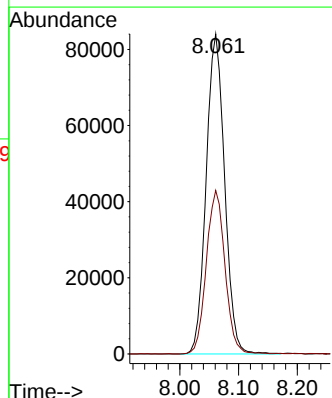
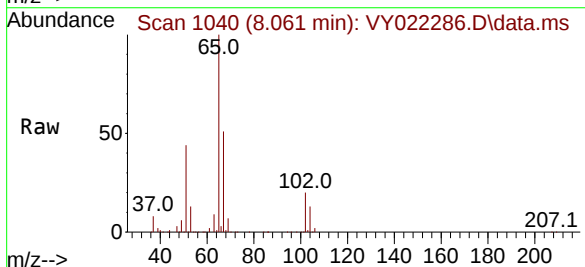
Acq: 16 May 2025 13:17

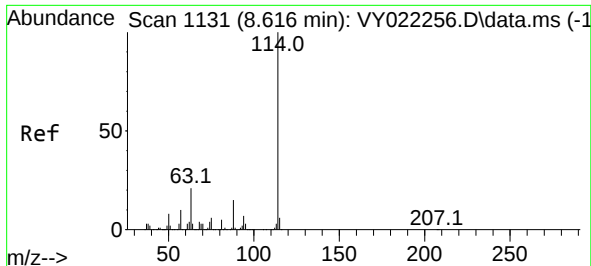
Tgt Ion: 65 Resp: 183547

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022286.D

Acq: 16 May 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

TP-1

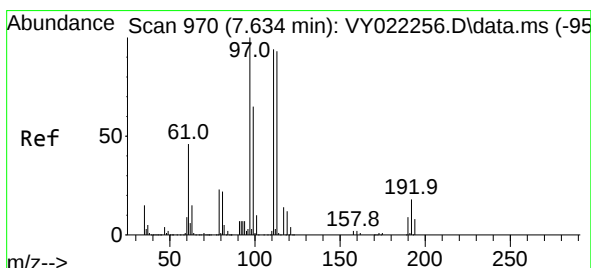
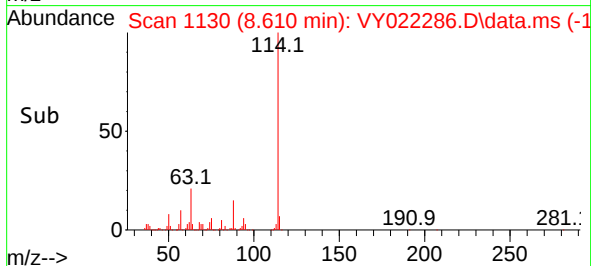
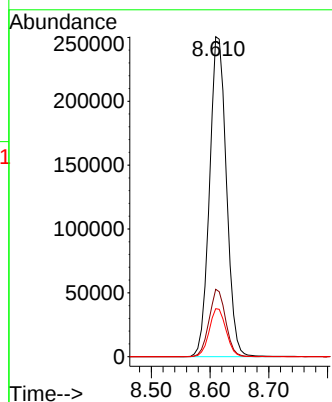
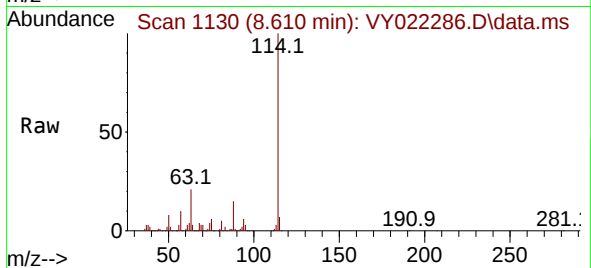
Tgt Ion:114 Resp: 499229

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.0

88 15.0 0.0 29.4



#35

Dibromofluoromethane

Concen: 51.743 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022286.D

Acq: 16 May 2025 13:17

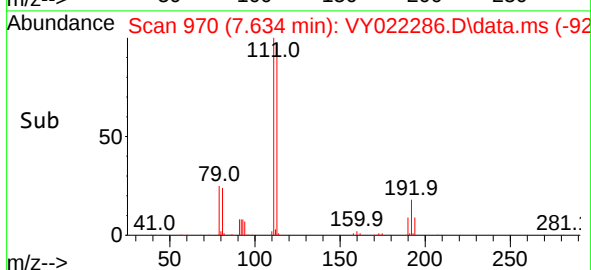
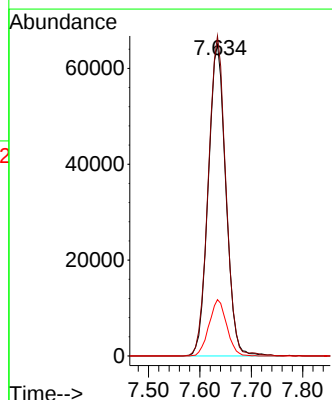
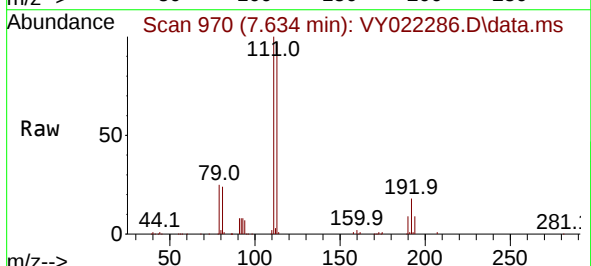
Tgt Ion:113 Resp: 154177

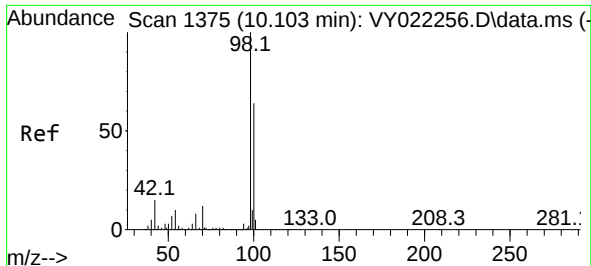
Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 18.2 15.2 22.8

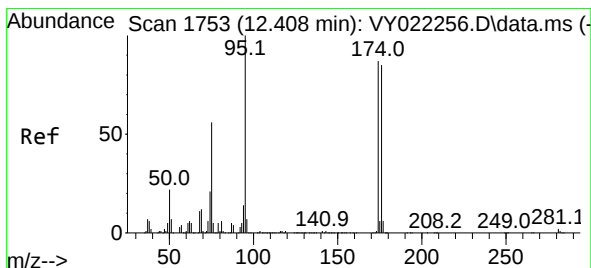
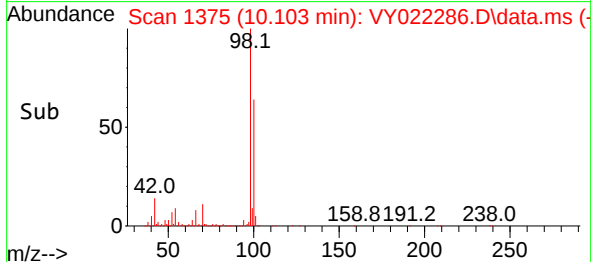
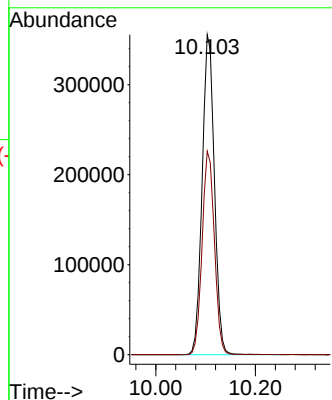
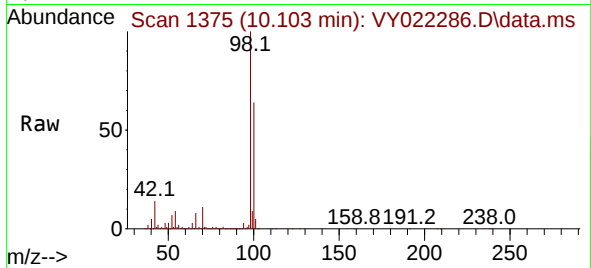




#50
Toluene-d8
Concen: 49.635 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022286.D
Acq: 16 May 2025 13:17

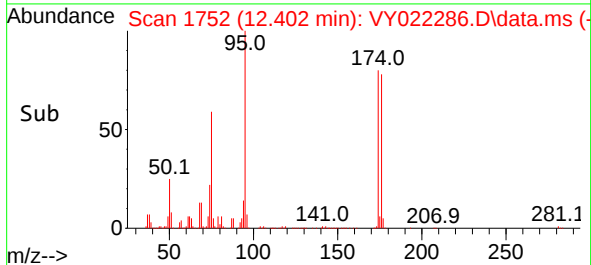
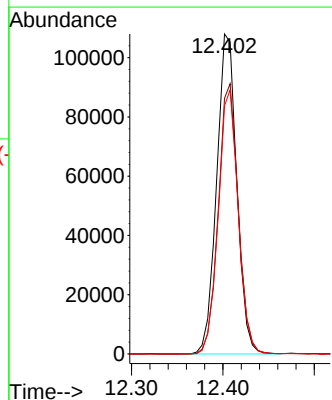
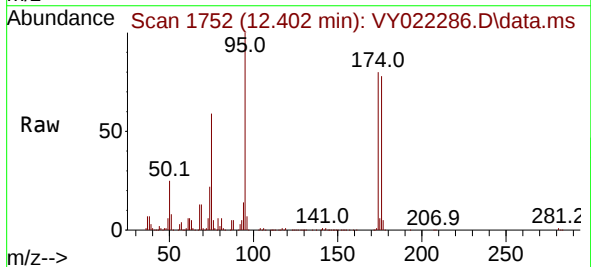
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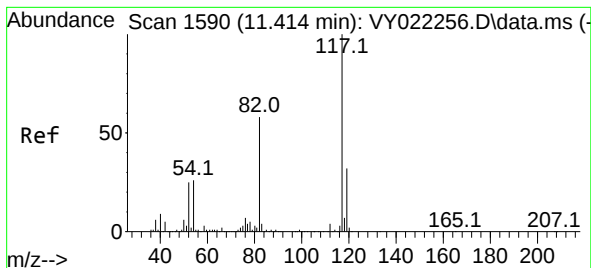
Tgt Ion: 98 Resp: 605727
Ion Ratio Lower Upper
98 100
100 63.8 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 42.709 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022286.D
Acq: 16 May 2025 13:17

Tgt Ion: 95 Resp: 165203
Ion Ratio Lower Upper
95 100
174 83.6 0.0 166.8
176 81.4 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: VY022286.D

Acq: 16 May 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

TP-1

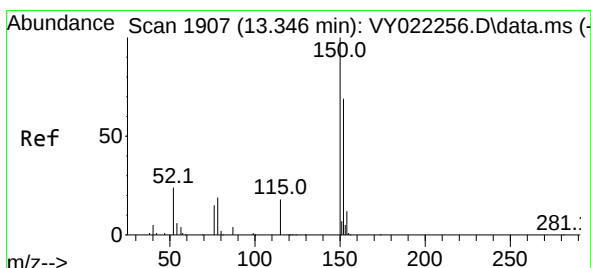
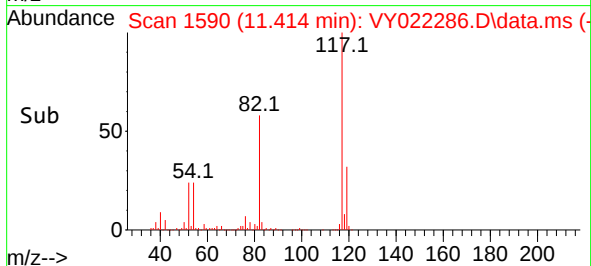
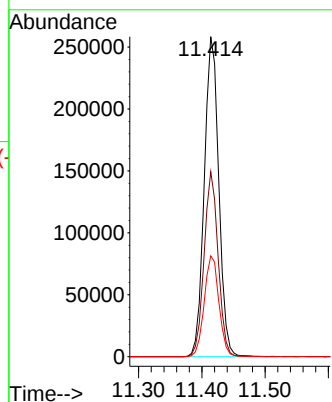
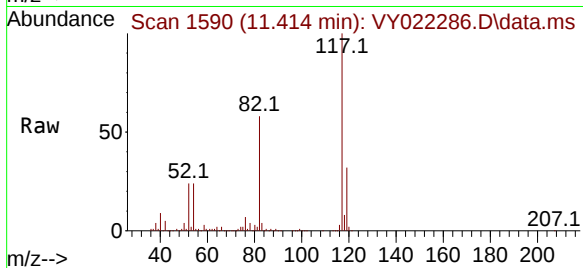
Tgt Ion:117 Resp: 412738

Ion Ratio Lower Upper

117 100

82 57.8 46.6 70.0

119 31.5 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: VY022286.D

Acq: 16 May 2025 13:17

Tgt Ion:152 Resp: 154433

Ion Ratio Lower Upper

152 100

115 57.7 29.4 88.2

150 156.2 0.0 353.8

