

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022274.D
 Acq On : 15 May 2025 19:06
 Operator : SY/MD
 Sample : Q1982-06
 Misc : 3.24g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6

Quant Time: May 16 02:00:18 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)

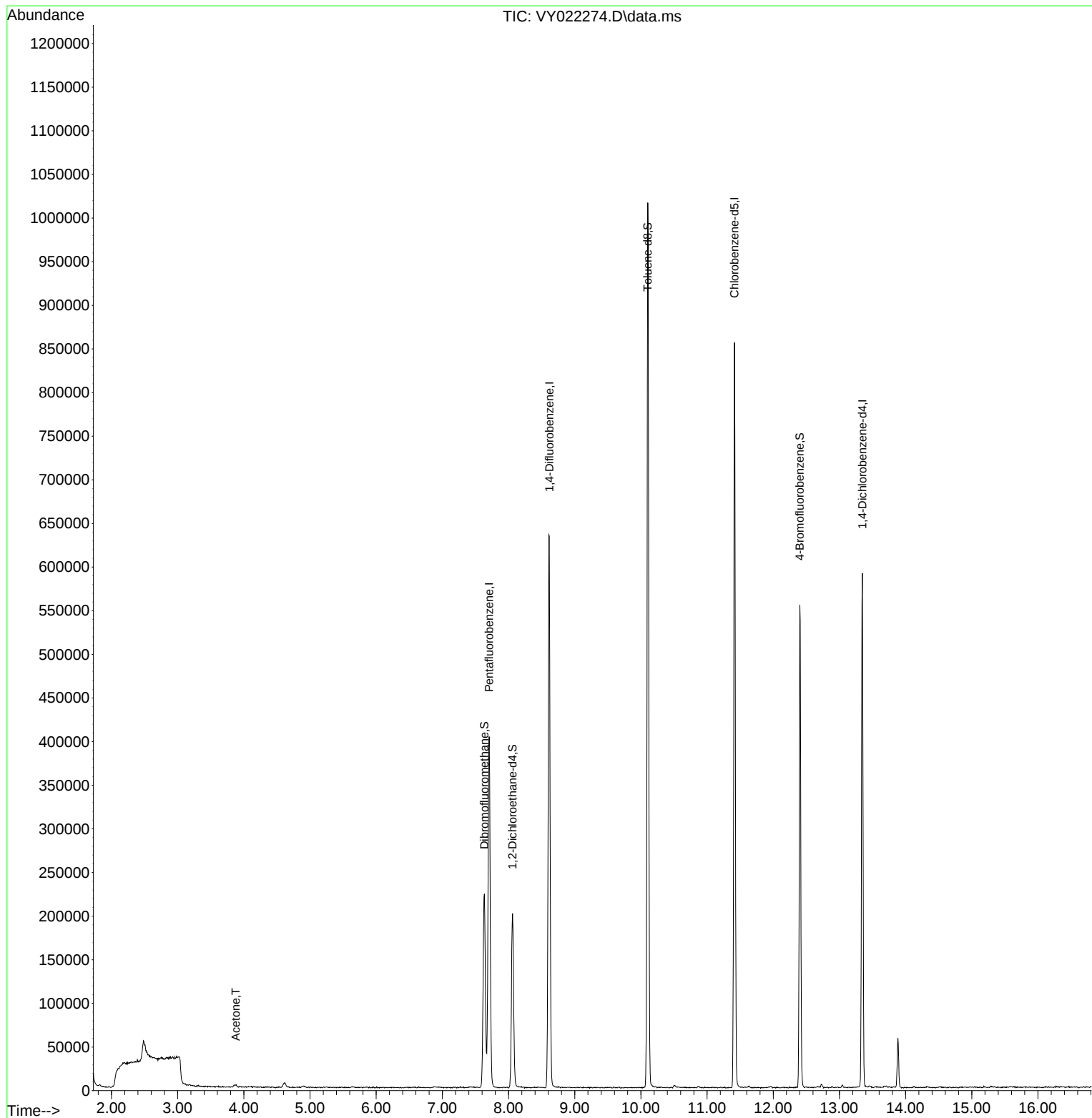
Internal Standards						
1) Pentafluorobenzene	7.707	168	302935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	529384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	407189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	138768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150422	45.434	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.860%
35) Dibromofluoromethane	7.634	113	156818	49.631	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.260%
50) Toluene-d8	10.103	98	631509	48.800	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.600%
62) 4-Bromofluorobenzene	12.402	95	155235	37.846	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.700%
Target Compounds						
16) Acetone	3.879	43	5797	9.338	ug/l	Qvalue 91

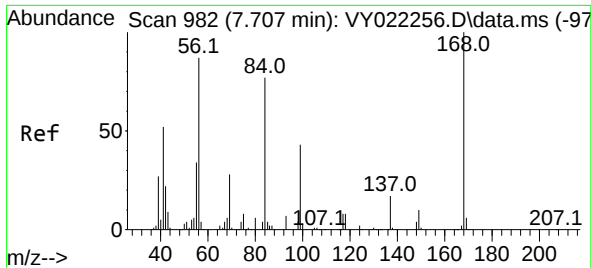
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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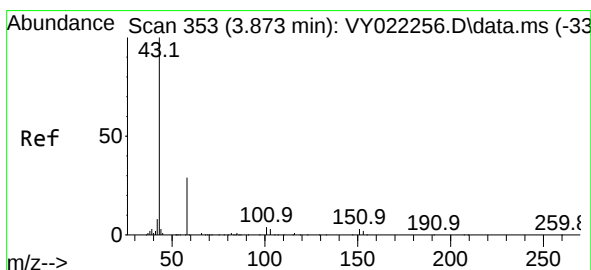
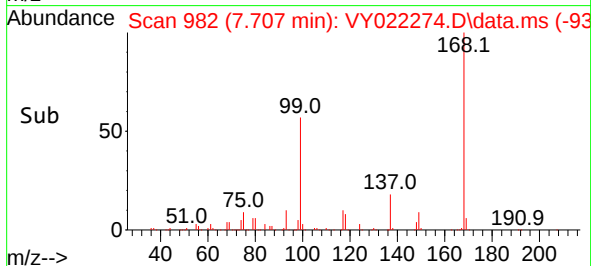
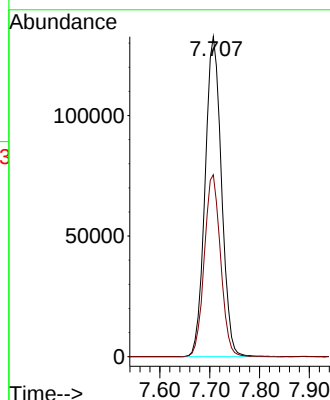
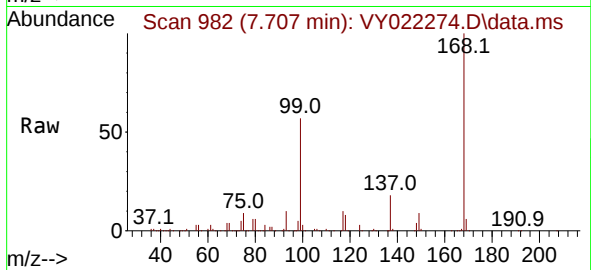




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022274.D
Acq: 15 May 2025 19:06

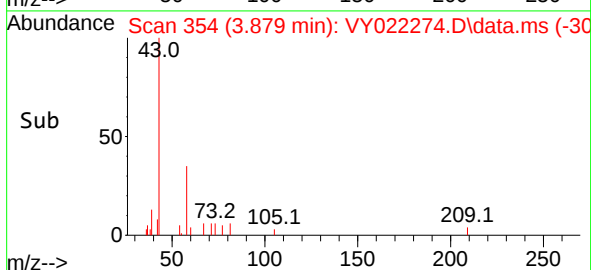
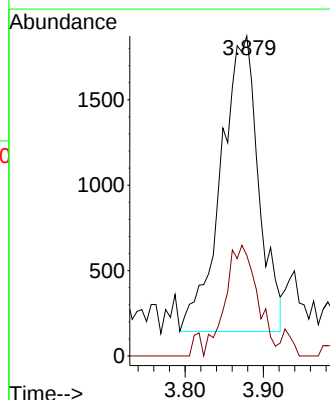
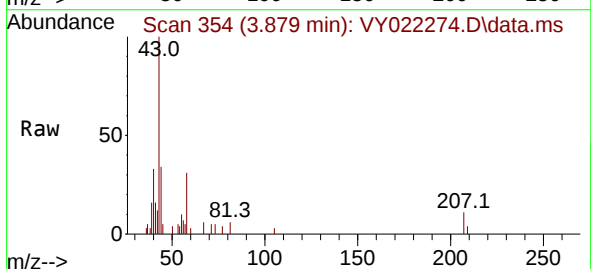
Instrument :
MSVOA_Y
ClientSampleId :
TP-6

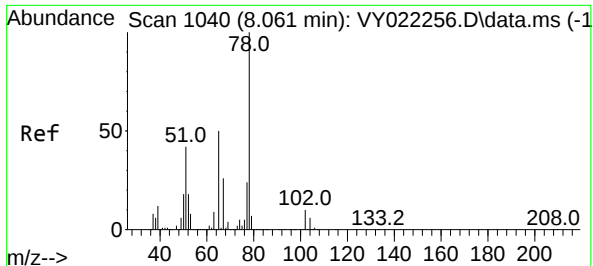
Tgt Ion:168 Resp: 302935
Ion Ratio Lower Upper
168 100
99 56.9 44.2 66.4



#16
Acetone
Concen: 9.338 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022274.D
Acq: 15 May 2025 19:06

Tgt Ion: 43 Resp: 5797
Ion Ratio Lower Upper
43 100
58 34.1 23.6 35.4





#33

1,2-Dichloroethane-d4

Concen: 45.434 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VY022274.D

Acq: 15 May 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

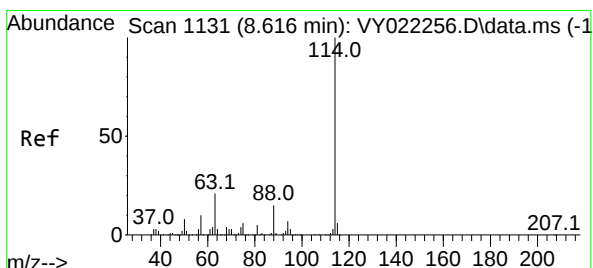
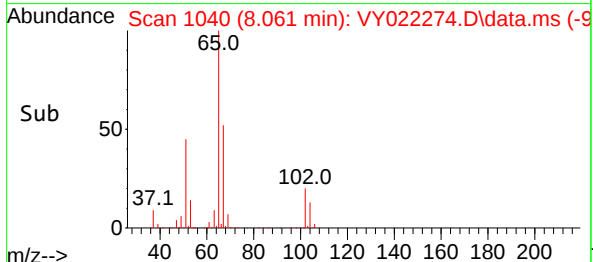
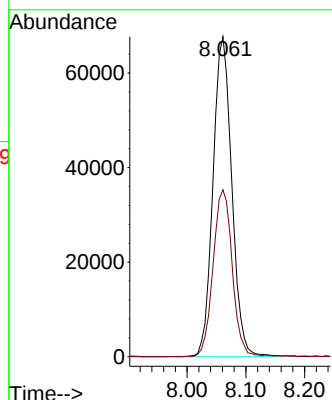
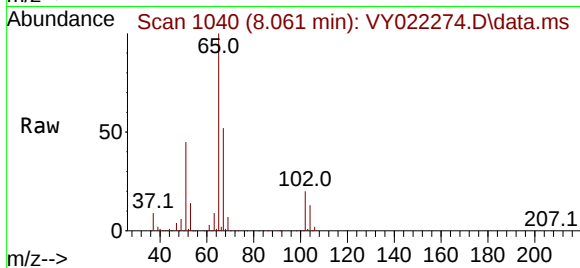
TP-6

Tgt Ion: 65 Resp: 150422

Ion Ratio Lower Upper

65 100

67 52.9 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: VY022274.D

Acq: 15 May 2025 19:06

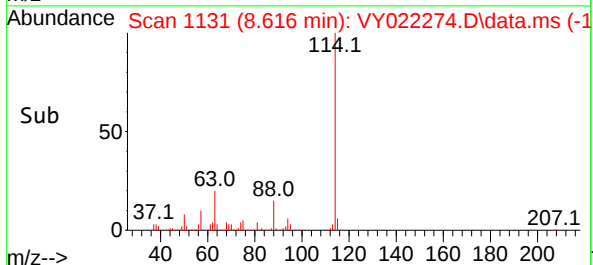
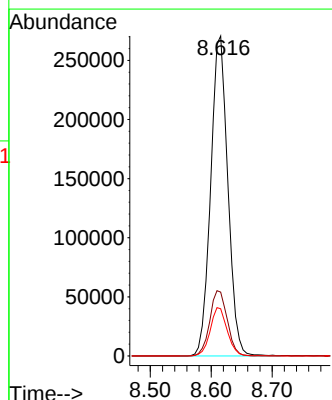
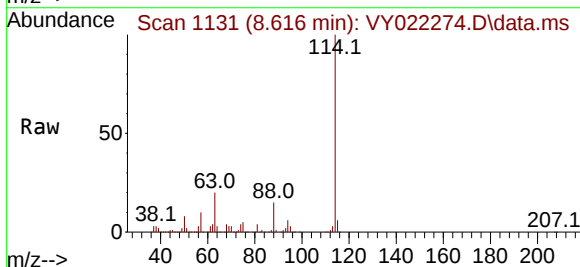
Tgt Ion: 114 Resp: 529384

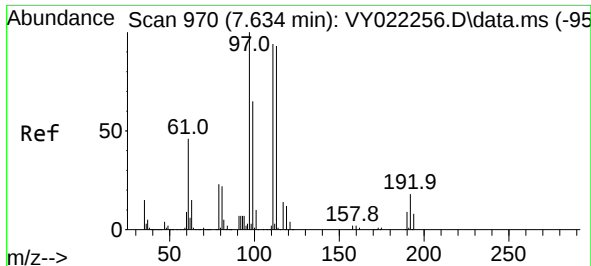
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.0

88 14.7 0.0 29.4





#35

Dibromofluoromethane

Concen: 49.631 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022274.D

Acq: 15 May 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

TP-6

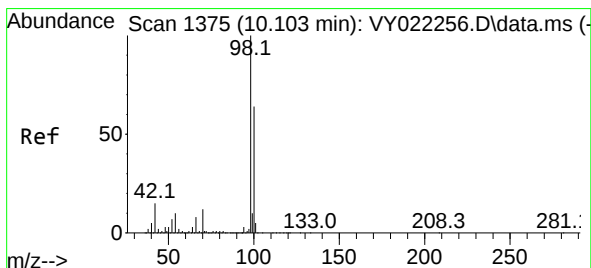
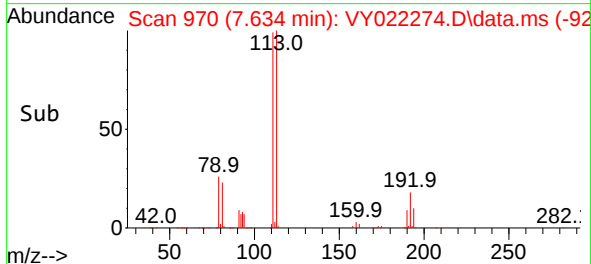
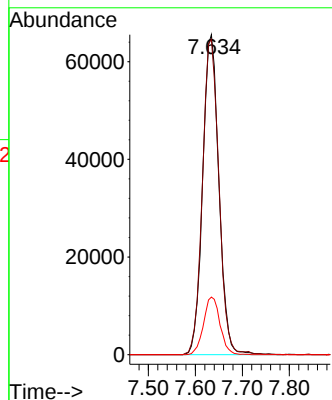
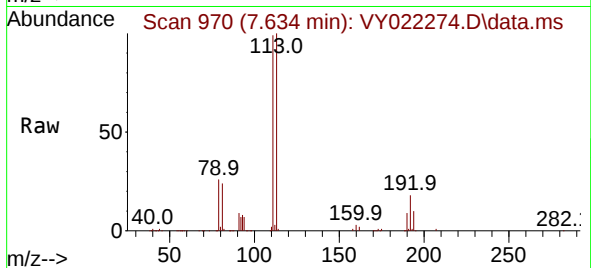
Tgt Ion:113 Resp: 156818

Ion Ratio Lower Upper

113 100

111 100.3 82.6 123.8

192 18.3 15.2 22.8



#50

Toluene-d8

Concen: 48.800 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY022274.D

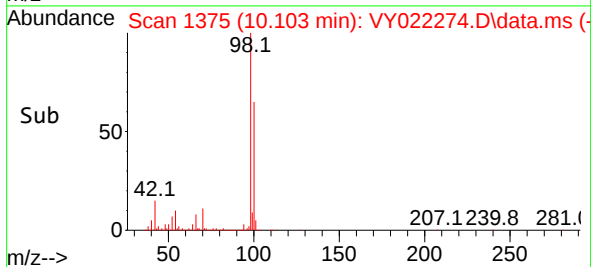
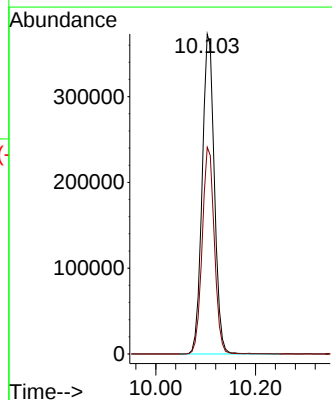
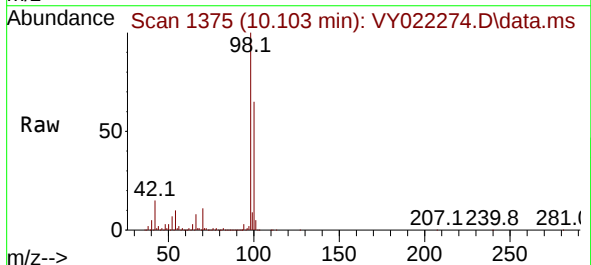
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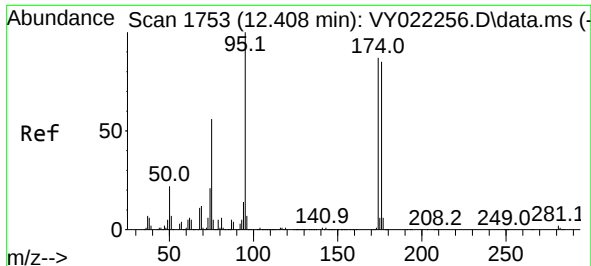
Tgt Ion: 98 Resp: 631509

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.8

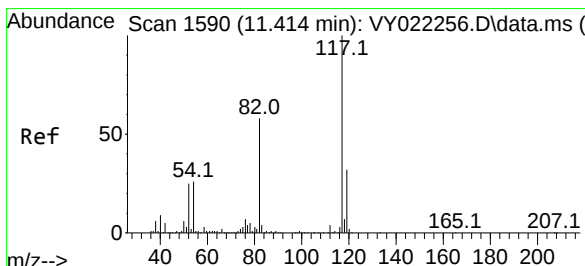
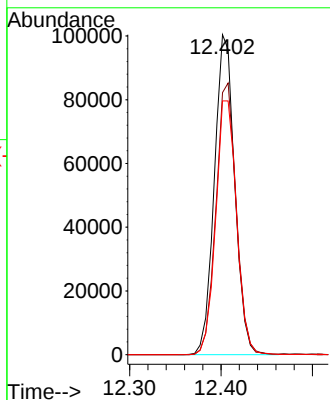
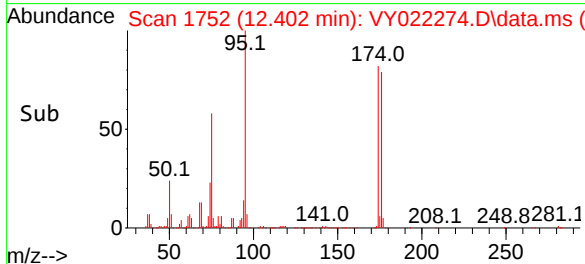
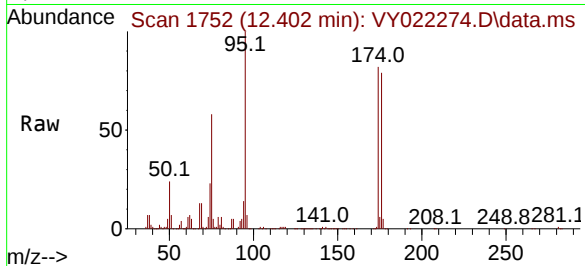




#62
4-Bromofluorobenzene
Concen: 37.846 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022274.D
Acq: 15 May 2025 19:06

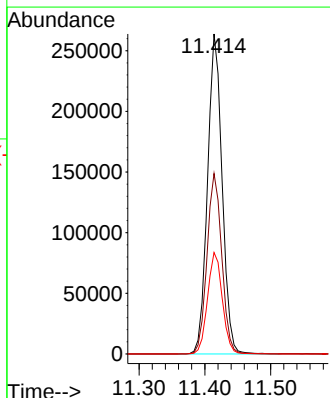
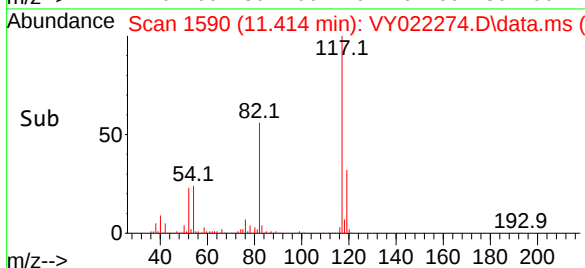
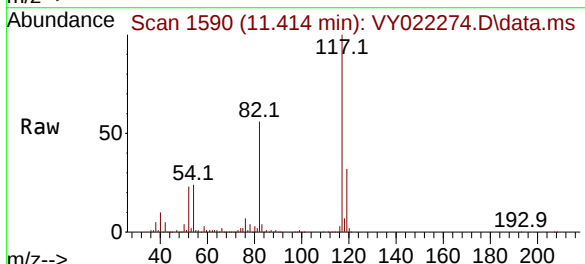
Instrument :
MSVOA_Y
ClientSampleId :
TP-6

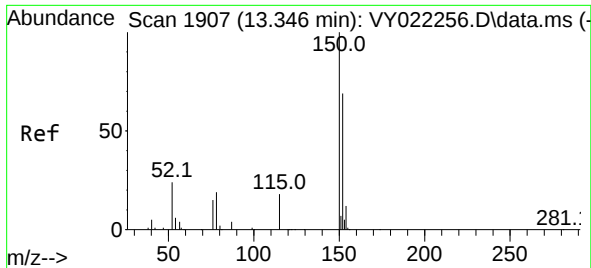
Tgt Ion: 95 Resp: 155235
Ion Ratio Lower Upper
95 100
174 85.1 0.0 166.8
176 81.5 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022274.D
Acq: 15 May 2025 19:06

Tgt Ion: 117 Resp: 407189
Ion Ratio Lower Upper
117 100
82 56.4 46.6 70.0
119 31.7 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022274.D

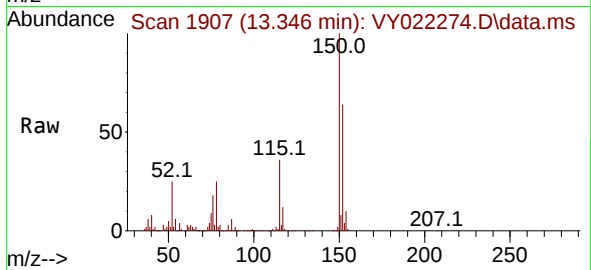
Acq: 15 May 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

TP-6



Tgt Ion:152 Resp: 138768

Ion Ratio Lower Upper

152 100

115 58.1 29.4 88.2

150 158.7 0.0 353.8

