

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022273.D
 Acq On : 15 May 2025 18:43
 Operator : SY/MD
 Sample : Q1982-05
 Misc : 10.32g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5

Quant Time: May 16 01:59:53 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)

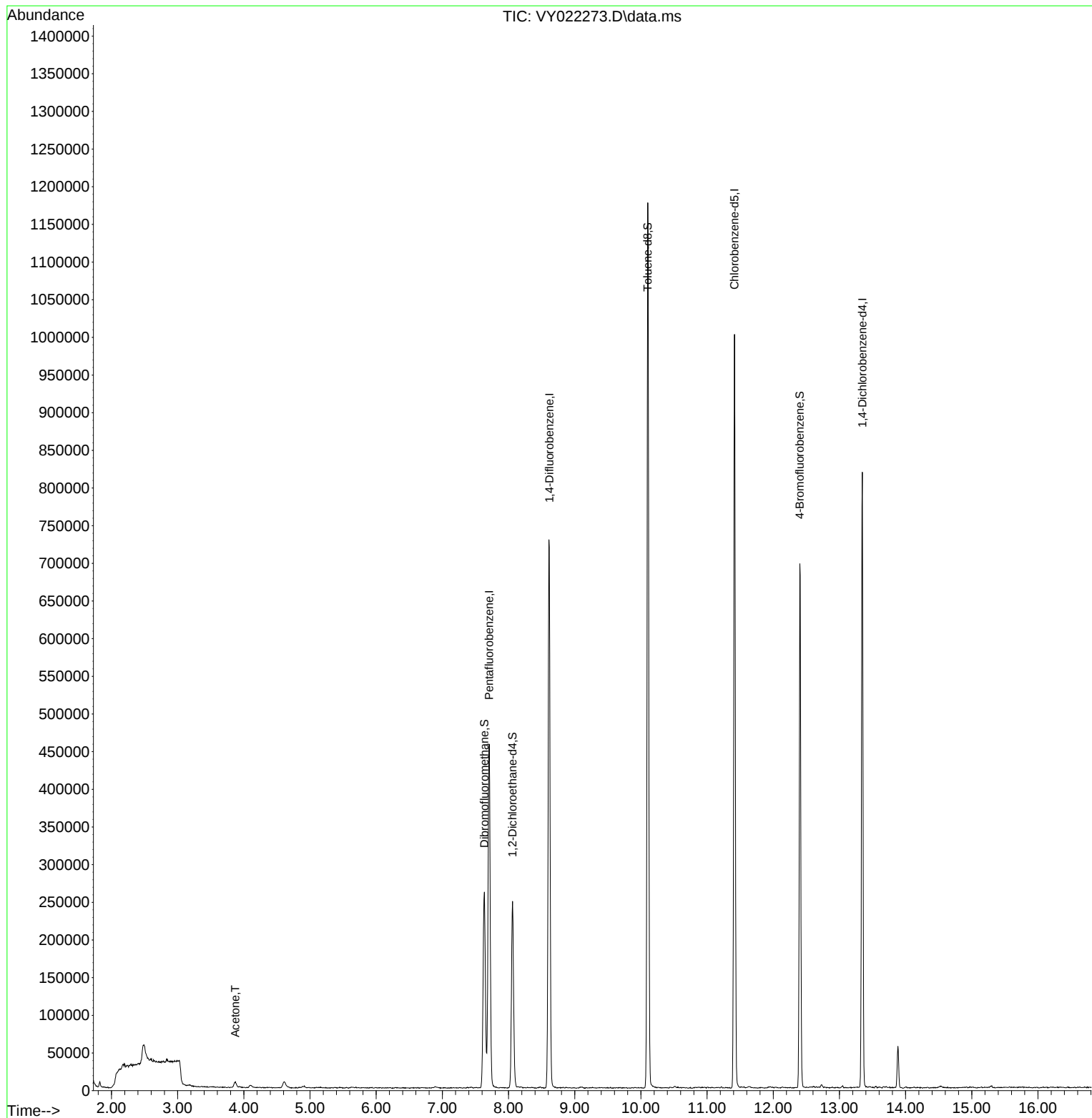
Internal Standards						
1) Pentafluorobenzene	7.707	168	345998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	610490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	492184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	188552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	185906	49.163	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.320%
35) Dibromofluoromethane	7.634	113	179801	49.345	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.680%
50) Toluene-d8	10.103	98	727999	48.783	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.560%
62) 4-Bromofluorobenzene	12.402	95	197627	41.780	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.560%
Target Compounds						
16) Acetone	3.873	43	12337	17.399	ug/l	Qvalue # 87

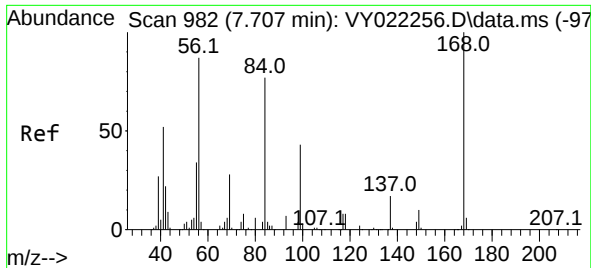
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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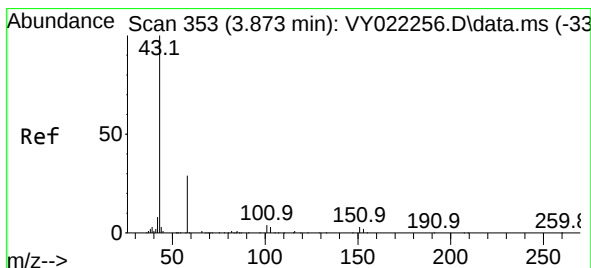
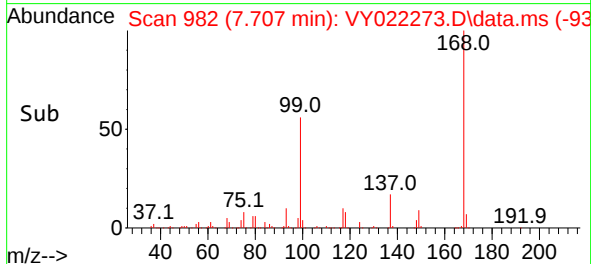
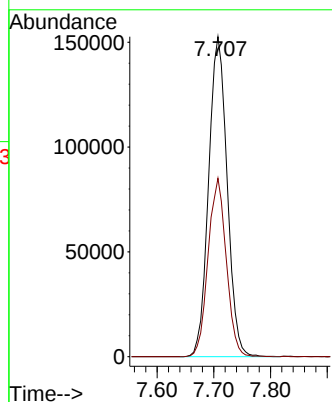
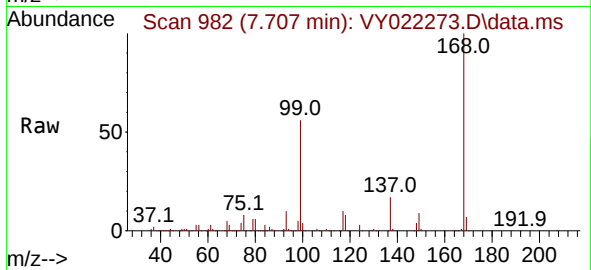




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

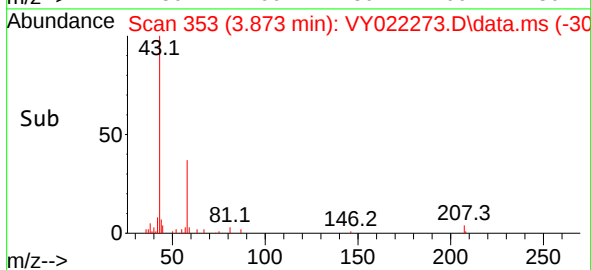
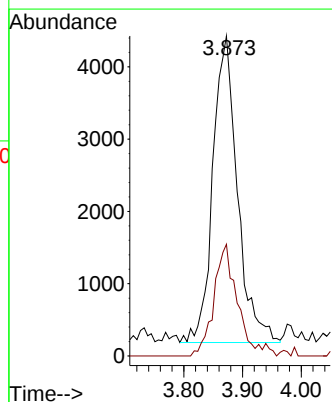
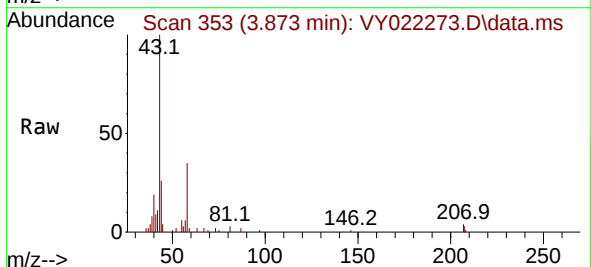
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

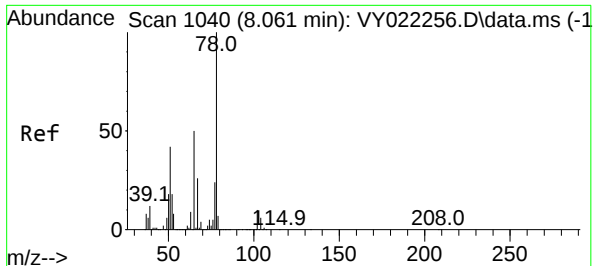
Tgt Ion:168 Resp: 345998
Ion Ratio Lower Upper
168 100
99 55.8 44.2 66.4



#16
Acetone
Concen: 17.399 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

Tgt Ion: 43 Resp: 12337
Ion Ratio Lower Upper
43 100
58 36.4 23.6 35.4#





#33

1,2-Dichloroethane-d4

Concen: 49.163 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022273.D

Acq: 15 May 2025 18:43

Instrument :

MSVOA_Y

ClientSampleId :

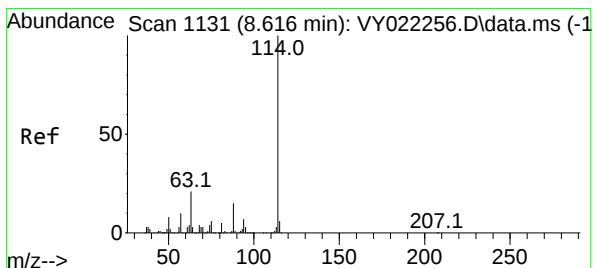
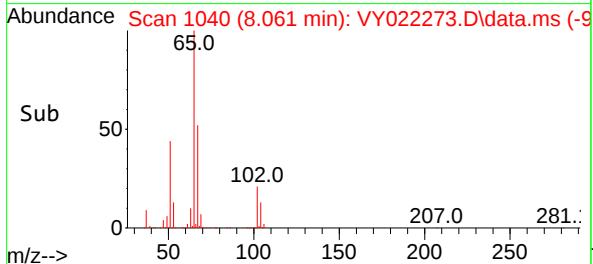
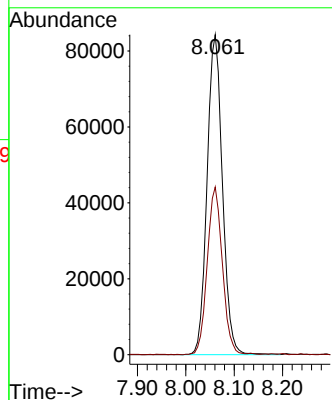
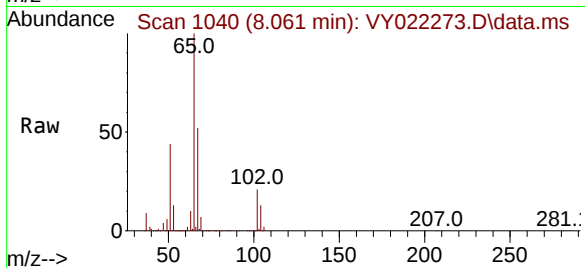
TP-5

Tgt Ion: 65 Resp: 185906

Ion Ratio Lower Upper

65 100

67 51.7 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: VY022273.D

Acq: 15 May 2025 18:43

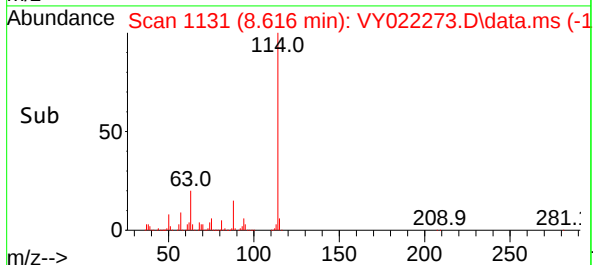
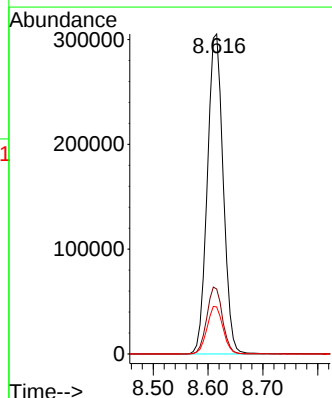
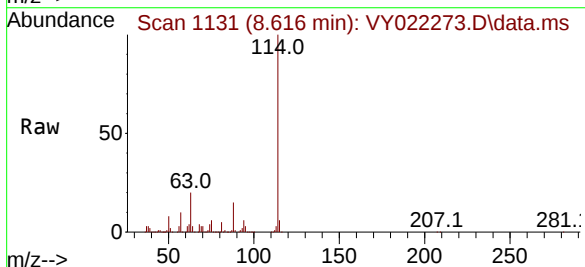
Tgt Ion:114 Resp: 610490

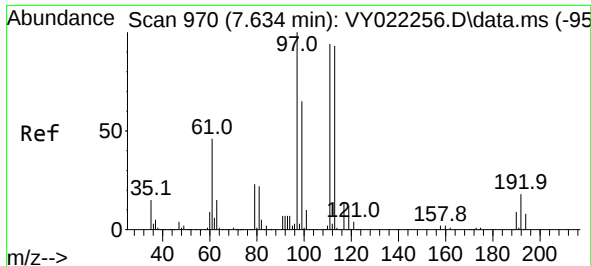
Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.0

88 14.7 0.0 29.4

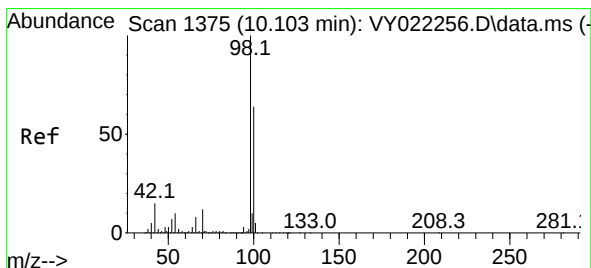
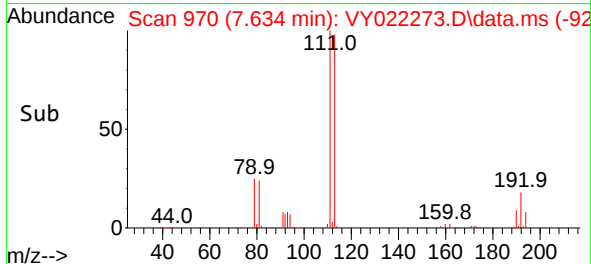
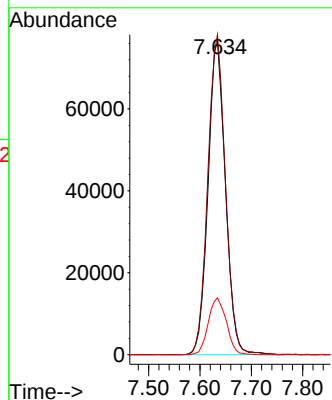
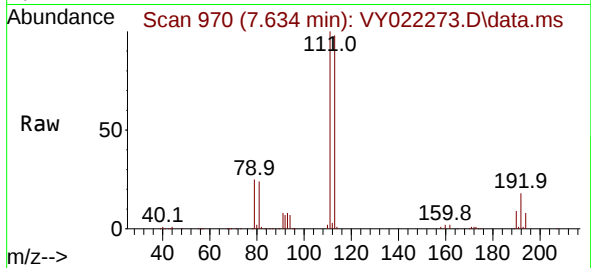




#35
Dibromofluoromethane
Concen: 49.345 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

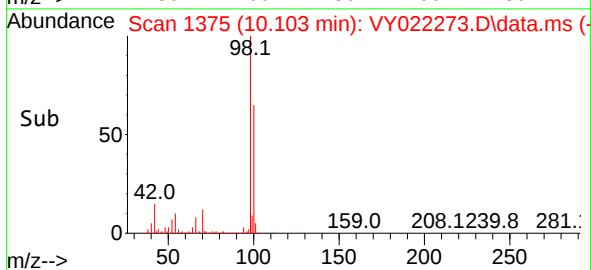
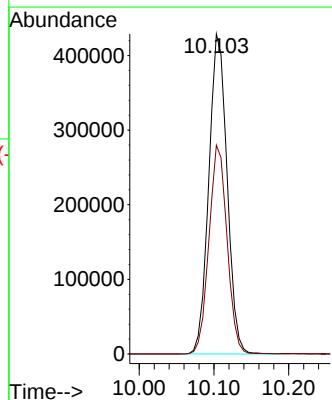
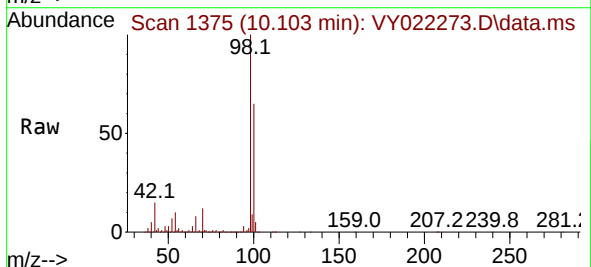
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

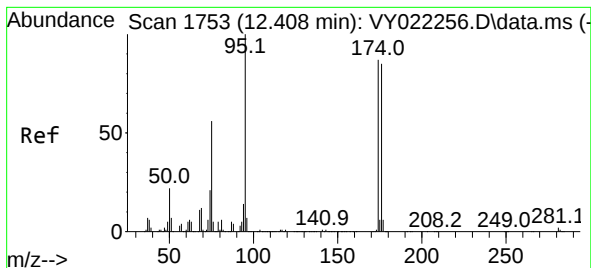
Tgt Ion:113 Resp: 179801
Ion Ratio Lower Upper
113 100
111 103.8 82.6 123.8
192 18.8 15.2 22.8



#50
Toluene-d8
Concen: 48.783 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

Tgt Ion: 98 Resp: 727999
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8

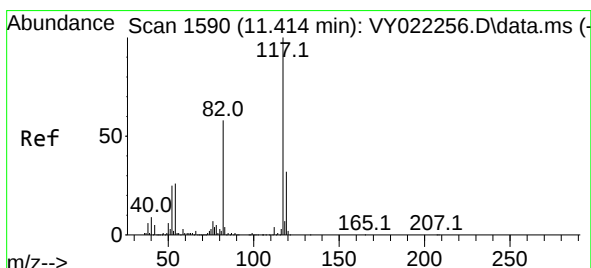
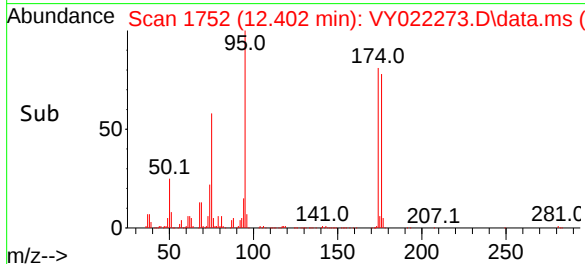
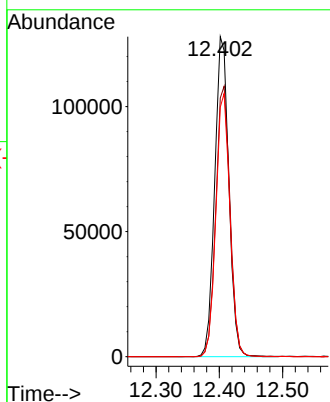
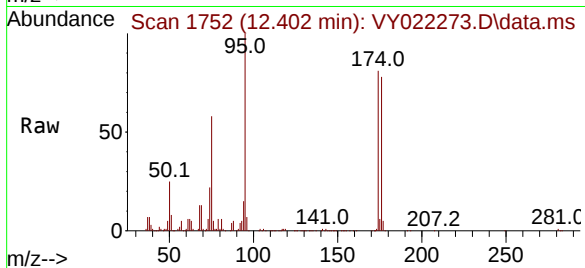




#62
4-Bromofluorobenzene
Concen: 41.780 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

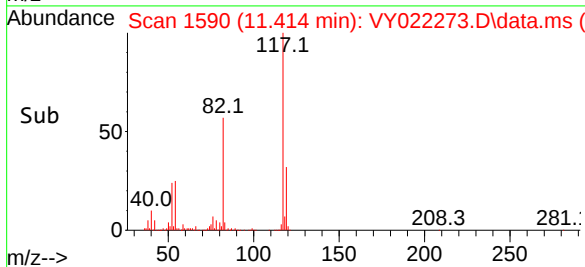
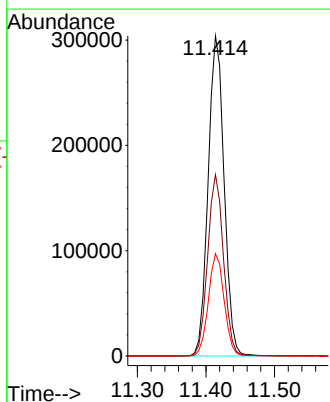
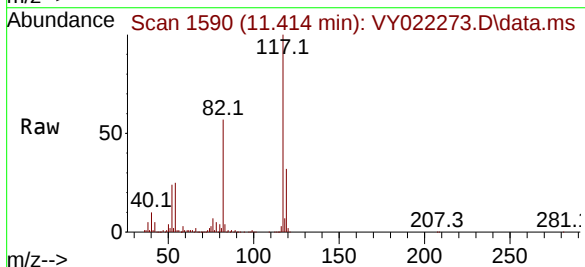
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

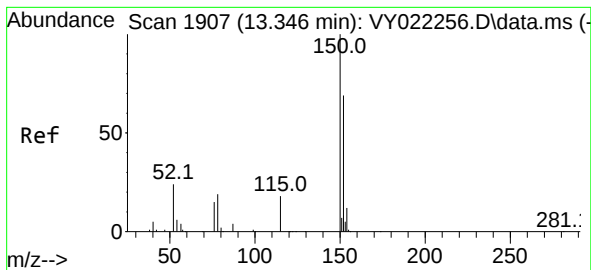
Tgt Ion: 95 Resp: 197627
Ion Ratio Lower Upper
95 100
174 85.1 0.0 166.8
176 82.0 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022273.D
Acq: 15 May 2025 18:43

Tgt Ion: 117 Resp: 492184
Ion Ratio Lower Upper
117 100
82 56.7 46.6 70.0
119 32.0 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: VY022273.D
 Acq: 15 May 2025 18:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5

Tgt Ion:152 Resp: 188552
 Ion Ratio Lower Upper
 152 100
 115 57.7 29.4 88.2
 150 156.8 0.0 353.8

