

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022936.D
 Acq On : 03 Jul 2025 12:39
 Operator : SY/MD
 Sample : Q2473-04RE
 Misc : 7.27g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PIT#4RE

Quant Time: Jul 04 03:18:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

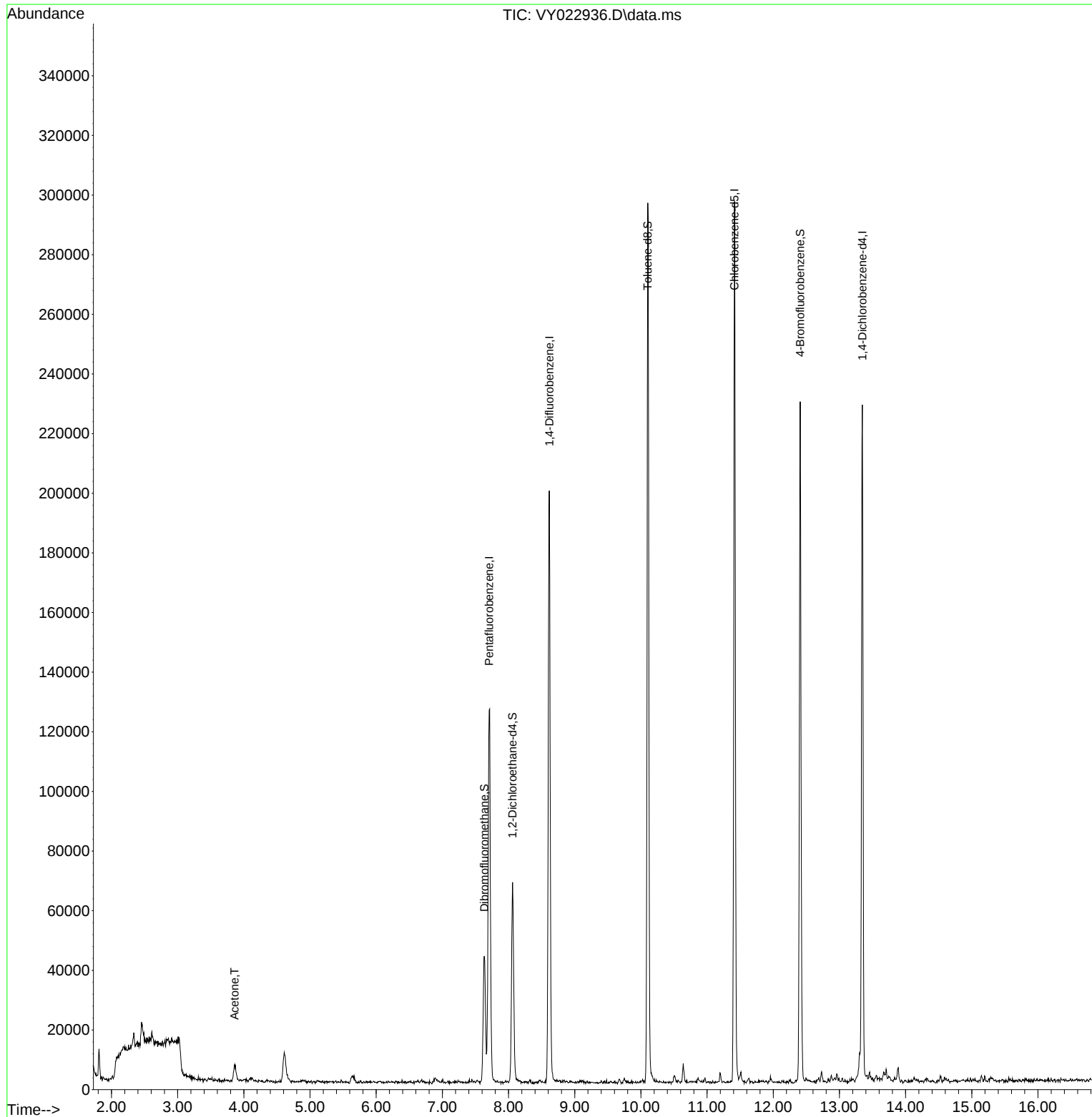
Internal Standards						
1) Pentafluorobenzene	7.707	168	95586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	165245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	149379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	56106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	52063	48.801	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.600%
35) Dibromofluoromethane	7.634	113	31217	31.064	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	62.120%
50) Toluene-d8	10.103	98	195347	48.987	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.980%
62) 4-Bromofluorobenzene	12.408	95	59387	46.326	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.660%
Target Compounds						
16) Acetone	3.860	43	10436	51.756	ug/l	Qvalue # 88

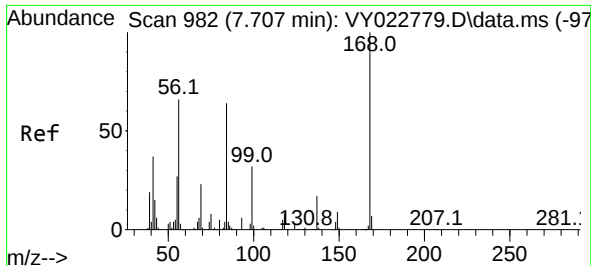
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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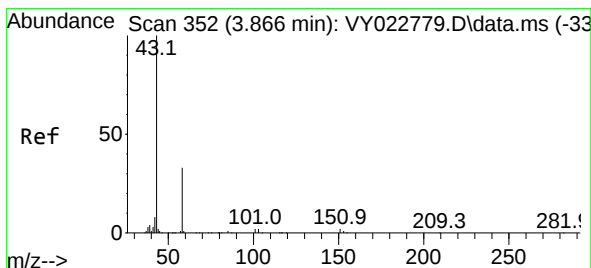
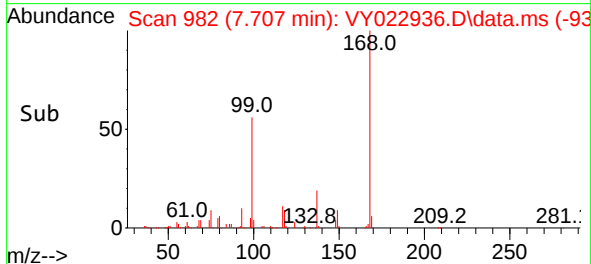
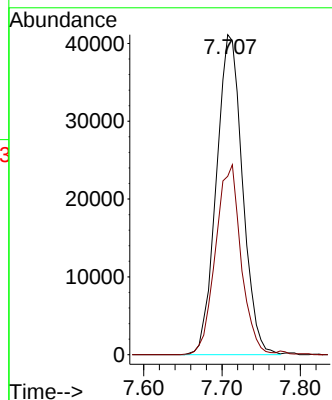
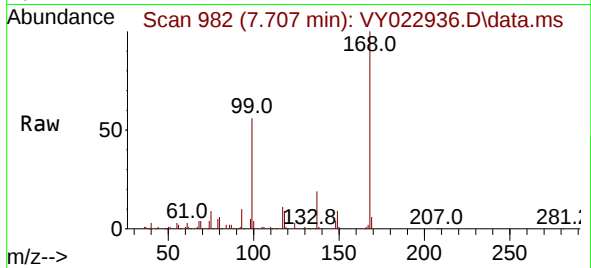




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022936.D
Acq: 03 Jul 2025 12:39

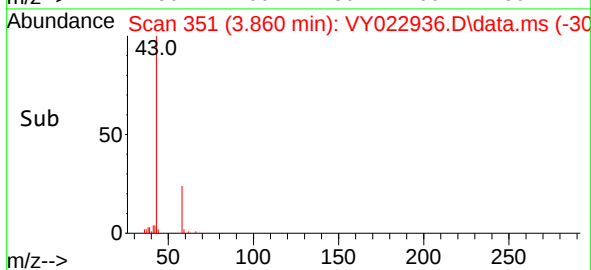
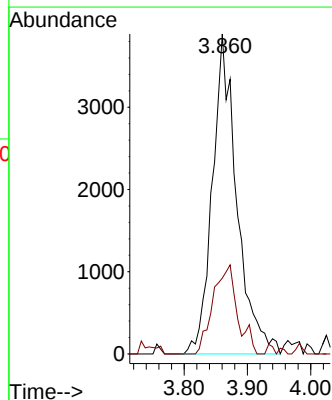
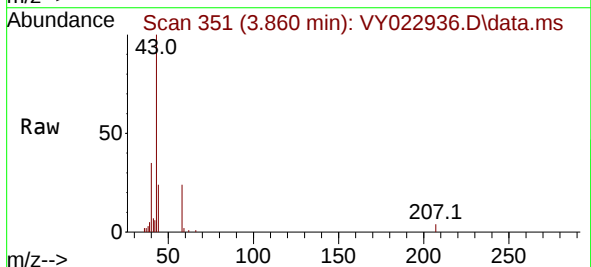
Instrument :
MSVOA_Y
ClientSampleId :
PIT#4RE

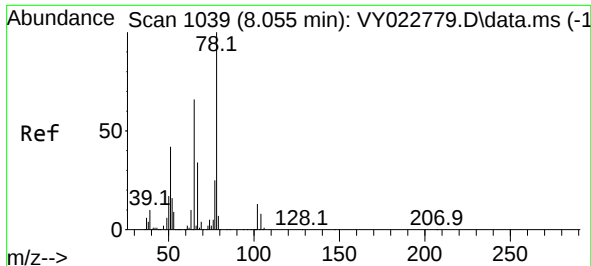
Tgt Ion:168 Resp: 95586
Ion Ratio Lower Upper
168 100
99 55.8 44.3 66.5



#16
Acetone
Concen: 51.756 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022936.D
Acq: 03 Jul 2025 12:39

Tgt Ion: 43 Resp: 10436
Ion Ratio Lower Upper
43 100
58 23.7 24.0 36.0#





#33

1,2-Dichloroethane-d4

Concen: 48.801 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022936.D

Acq: 03 Jul 2025 12:39

Instrument :

MSVOA_Y

ClientSampleId :

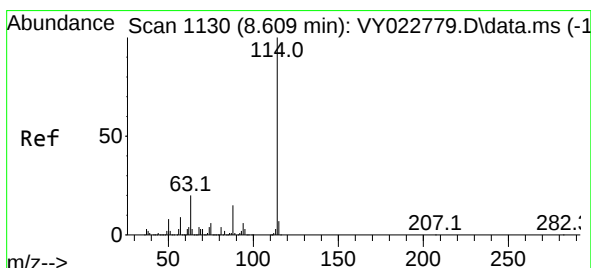
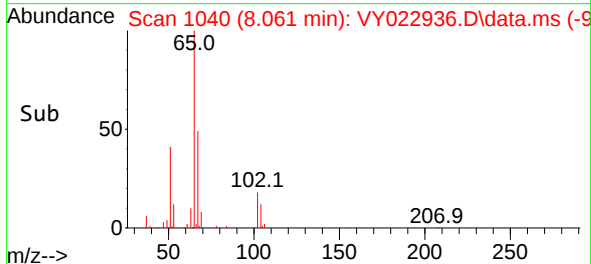
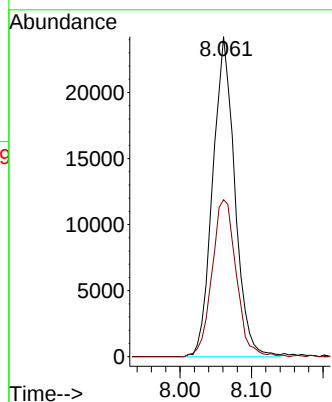
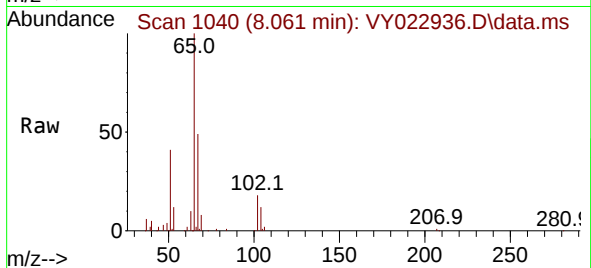
PIT#4RE

Tgt Ion: 65 Resp: 52063

Ion Ratio Lower Upper

65 100

67 53.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022936.D

Acq: 03 Jul 2025 12:39

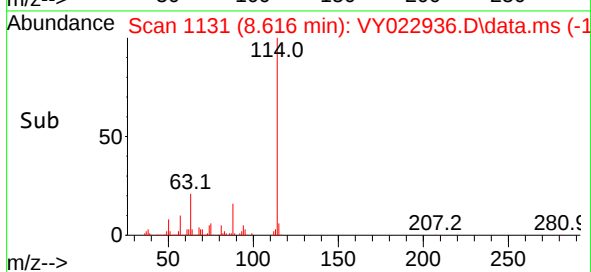
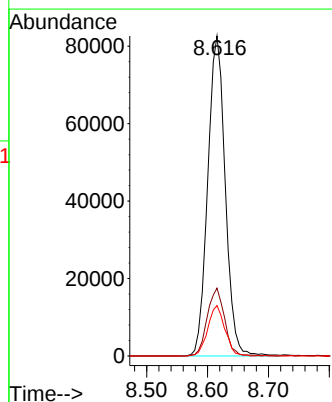
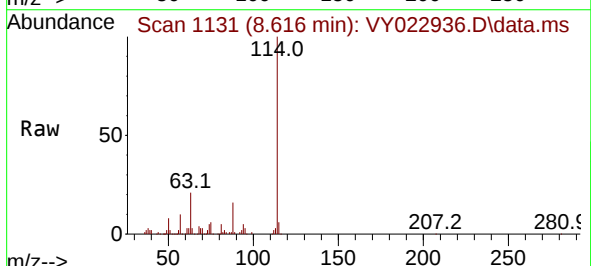
Tgt Ion: 114 Resp: 165245

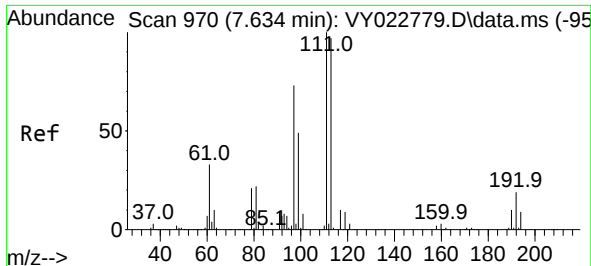
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

88 15.7 0.0 27.8

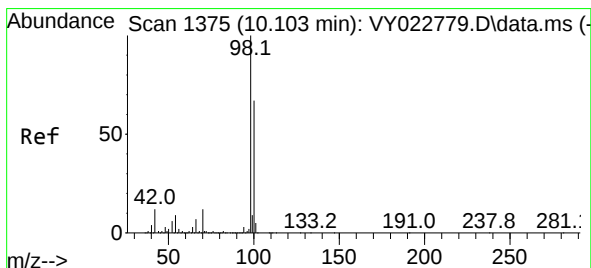
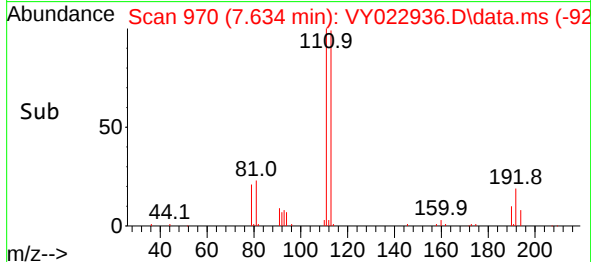
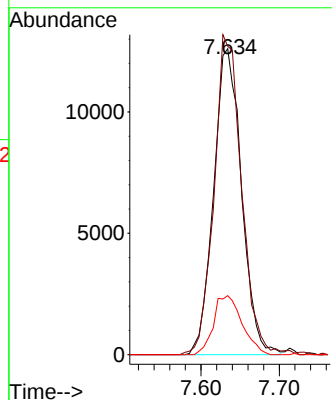
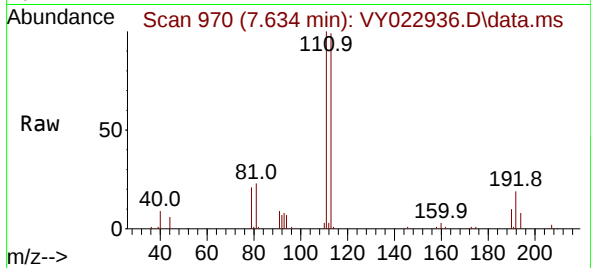




#35
Dibromofluoromethane
Concen: 31.064 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022936.D
Acq: 03 Jul 2025 12:39

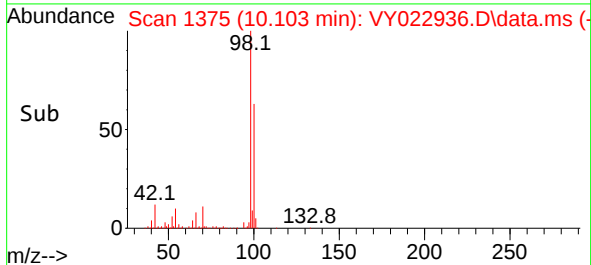
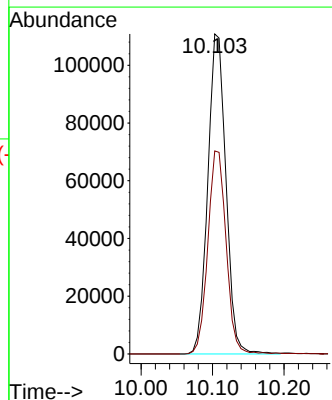
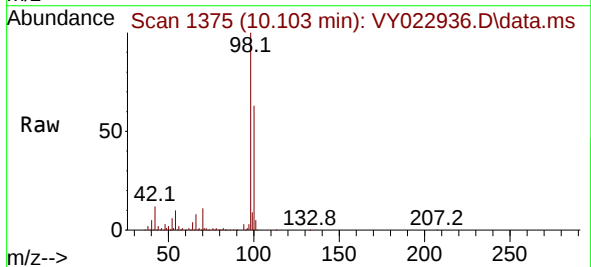
Instrument :
MSVOA_Y
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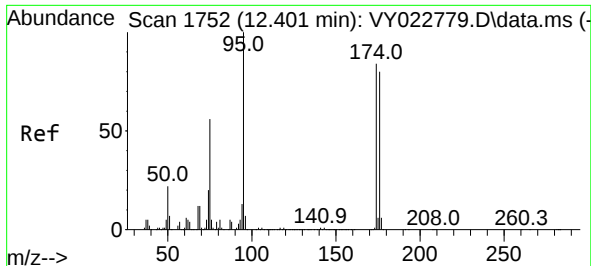
Tgt Ion:113 Resp: 31217
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 19.7 14.2 21.2



#50
Toluene-d8
Concen: 48.987 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022936.D
Acq: 03 Jul 2025 12:39

Tgt Ion: 98 Resp: 195347
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0

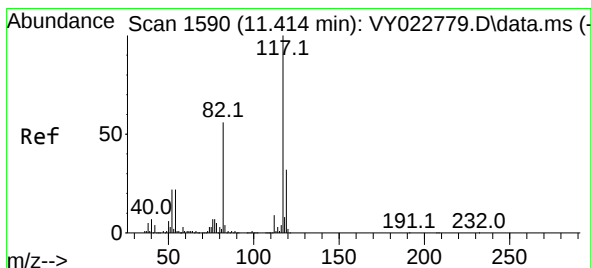
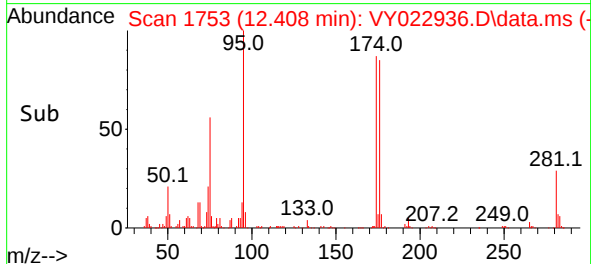
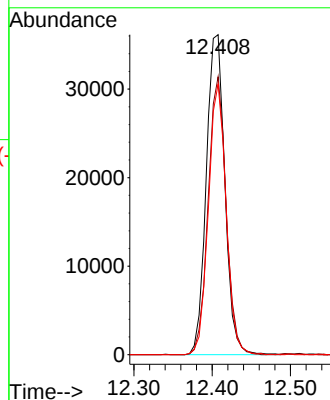
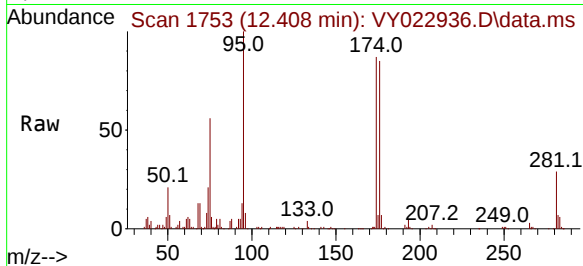




#62
4-Bromofluorobenzene
Concen: 46.326 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022936.D
Acq: 03 Jul 2025 12:39

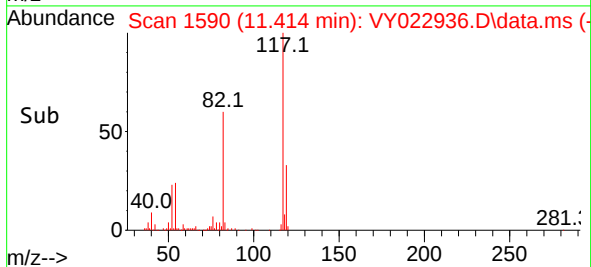
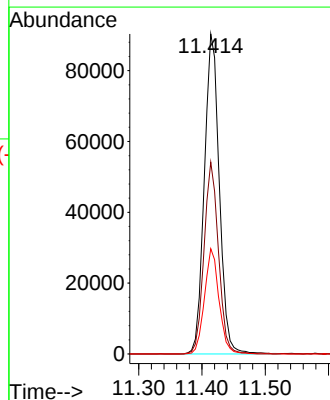
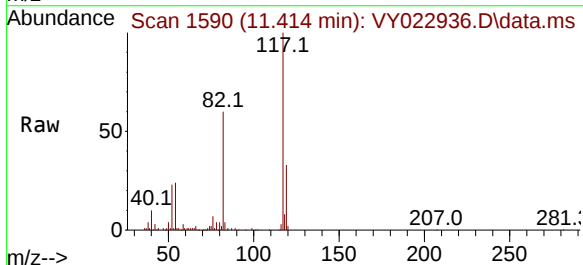
Instrument :
MSVOA_Y
ClientSampleId :
PIT#4RE

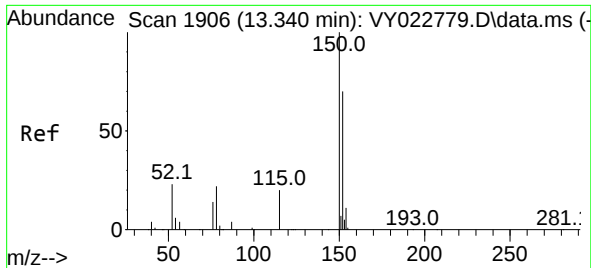
Tgt Ion: 95 Resp: 59387
Ion Ratio Lower Upper
95 100
174 84.2 0.0 170.0
176 80.8 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022936.D
Acq: 03 Jul 2025 12:39

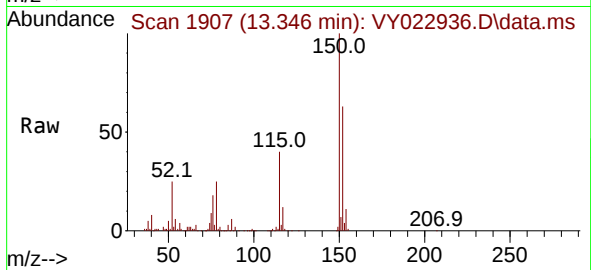
Tgt Ion: 117 Resp: 149379
Ion Ratio Lower Upper
117 100
82 59.9 44.6 66.8
119 32.9 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022936.D
 Acq: 03 Jul 2025 12:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 PIT#4RE



Tgt Ion:152 Resp: 56106
 Ion Ratio Lower Upper
 152 100
 115 60.0 28.9 86.7
 150 157.4 0.0 349.6

