

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022821.D
 Acq On : 25 Jun 2025 13:45
 Operator : SY/MD
 Sample : Q2413-03
 Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-77

Quant Time: Jun 26 01:25:47 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)

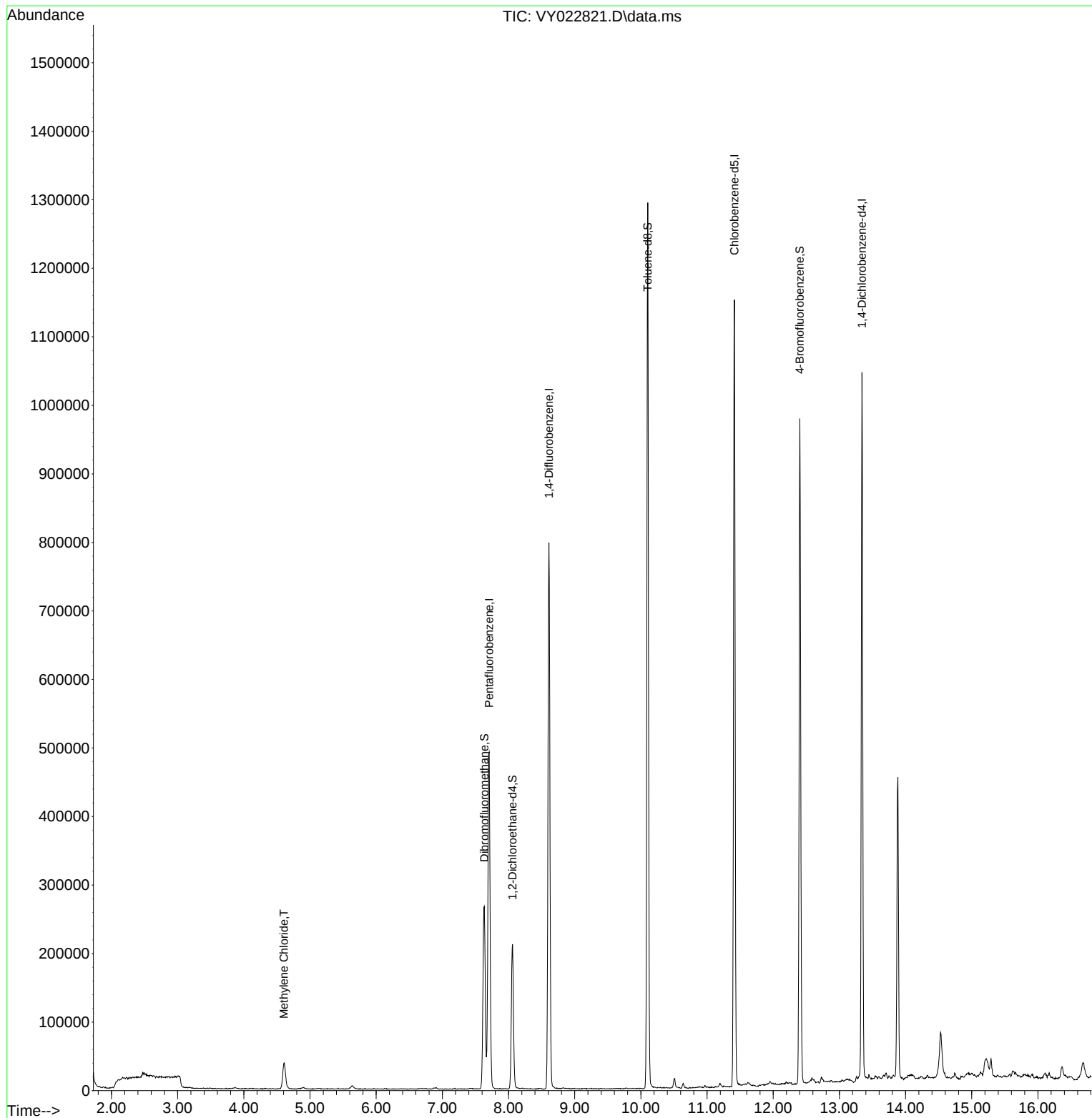
Internal Standards						
1) Pentafluorobenzene	7.707	168	381808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	681622	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	597468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	245461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	165536	38.846	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	77.700%
35) Dibromofluoromethane	7.634	113	190082	45.855	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.700%
50) Toluene-d8	10.103	98	807632	49.099	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.200%
62) 4-Bromofluorobenzene	12.402	95	253931	48.021	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.040%
Target Compounds						
20) Methylene Chloride	4.604	84	28075	5.520	ug/l	Qvalue 88

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
Data File : VY022821.D
Acq On : 25 Jun 2025 13:45
Operator : SY/MD
Sample : Q2413-03
Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-77

Quant Time: Jun 26 01:25:47 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

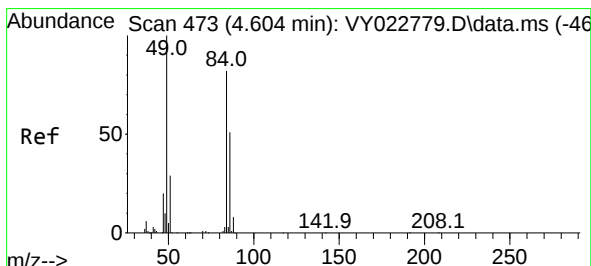
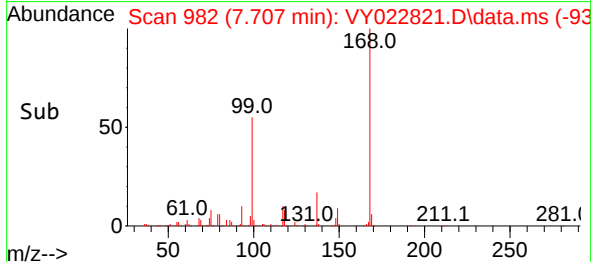
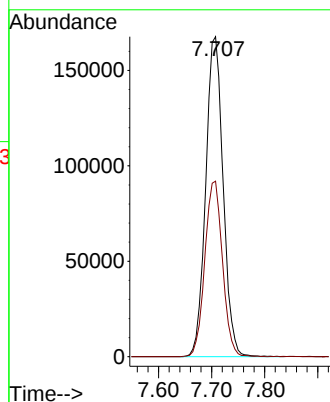
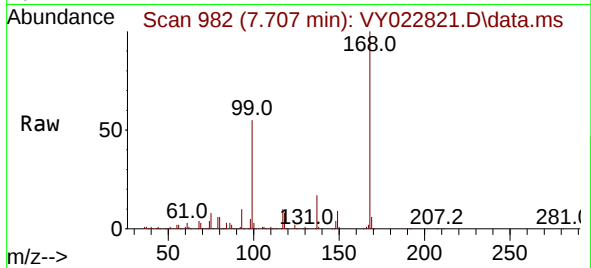




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022821.D
Acq: 25 Jun 2025 13:45

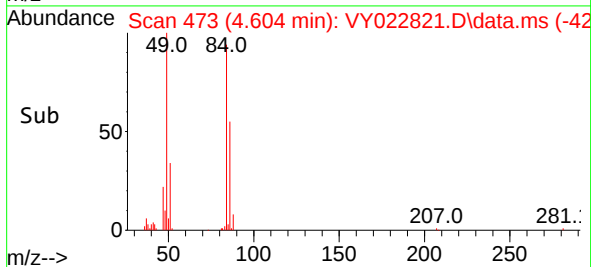
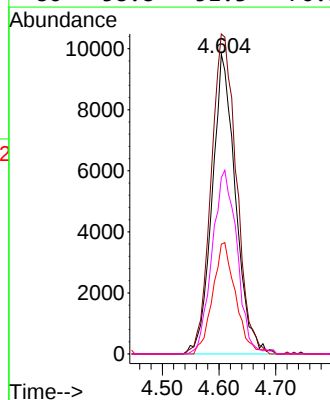
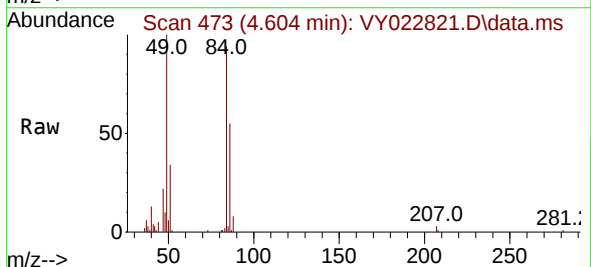
Instrument :
MSVOA_Y
ClientSampleId :
TP-77

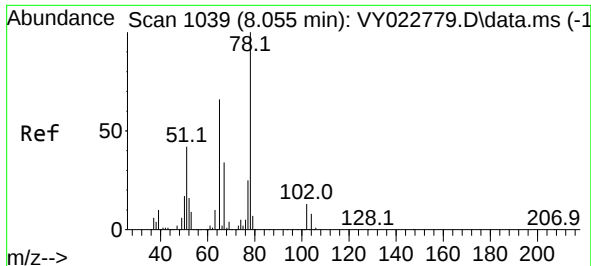
Tgt Ion:168 Resp: 381808
Ion Ratio Lower Upper
168 100
99 54.9 44.3 66.5



#20
Methylene Chloride
Concen: 5.520 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.018 min
Lab File: VY022821.D
Acq: 25 Jun 2025 13:45

Tgt Ion: 84 Resp: 28075
Ion Ratio Lower Upper
84 100
49 106.7 101.9 152.9
51 36.6 29.8 44.8
86 58.8 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 38.846 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022821.D

Acq: 25 Jun 2025 13:45

Instrument :

MSVOA_Y

ClientSampleId :

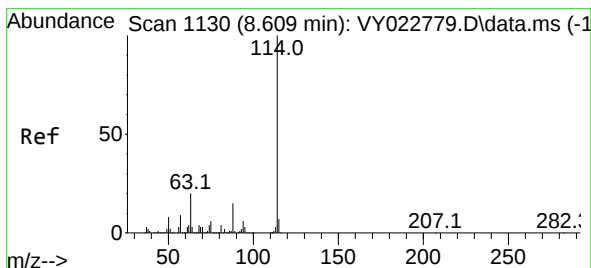
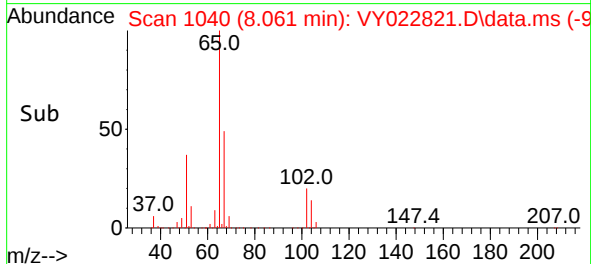
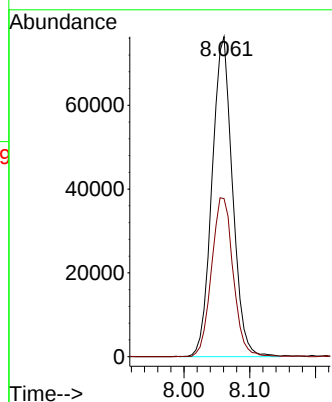
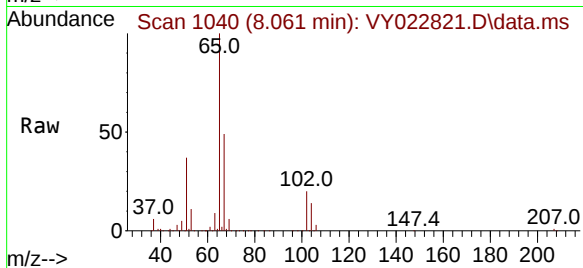
TP-77

Tgt Ion: 65 Resp: 165536

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022821.D

Acq: 25 Jun 2025 13:45

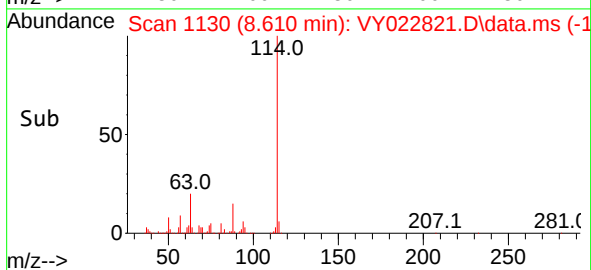
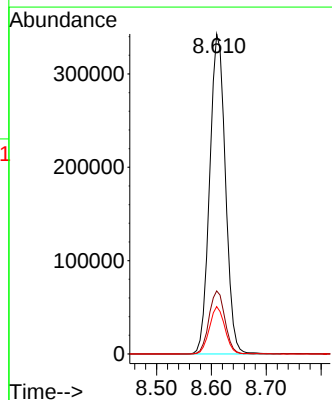
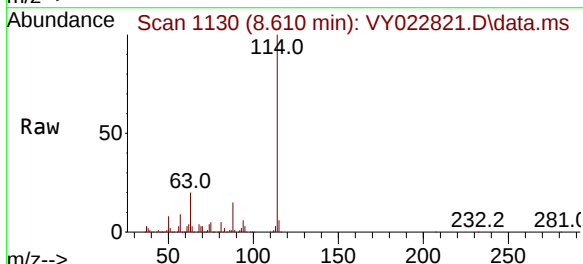
Tgt Ion: 114 Resp: 681622

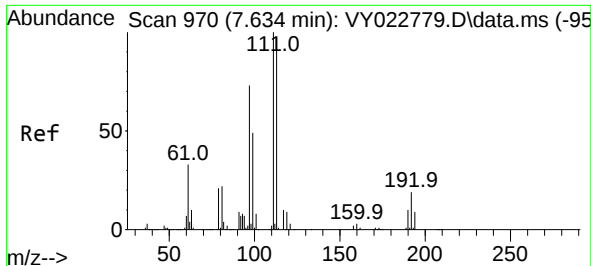
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

88 14.8 0.0 27.8

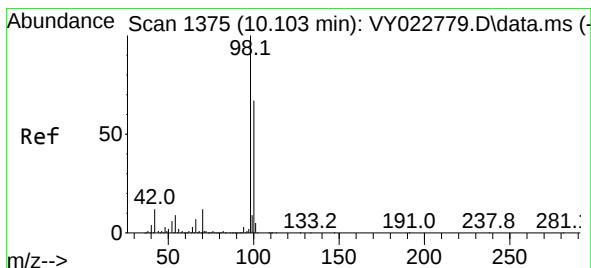
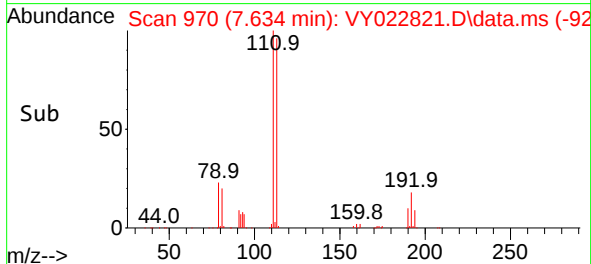
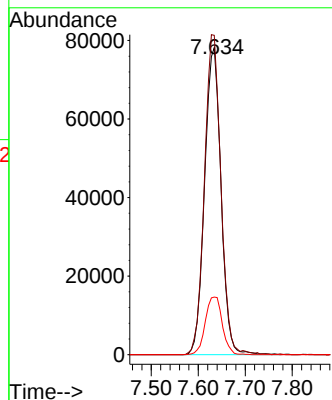
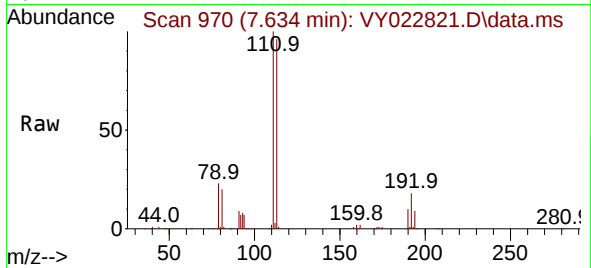




#35
Dibromofluoromethane
Concen: 45.855 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022821.D
Acq: 25 Jun 2025 13:45

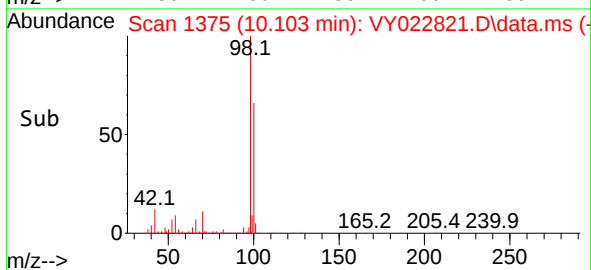
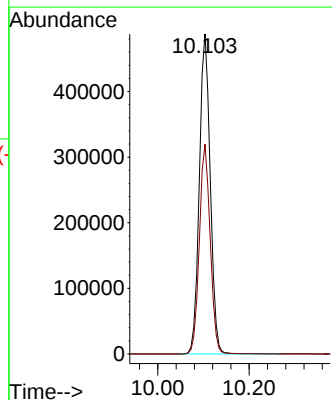
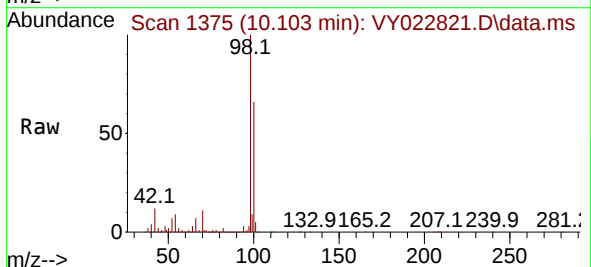
Instrument :
MSVOA_Y
ClientSampleId :
TP-77

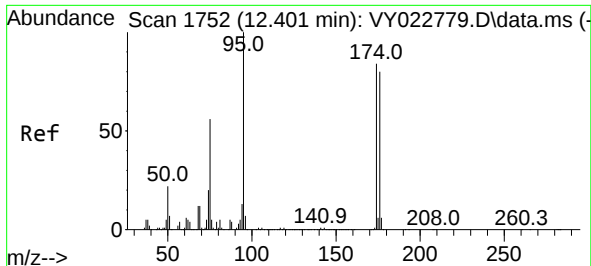
Tgt Ion:113 Resp: 190082
Ion Ratio Lower Upper
113 100
111 104.3 81.1 121.7
192 19.4 14.2 21.2



#50
Toluene-d8
Concen: 49.099 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022821.D
Acq: 25 Jun 2025 13:45

Tgt Ion: 98 Resp: 807632
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0

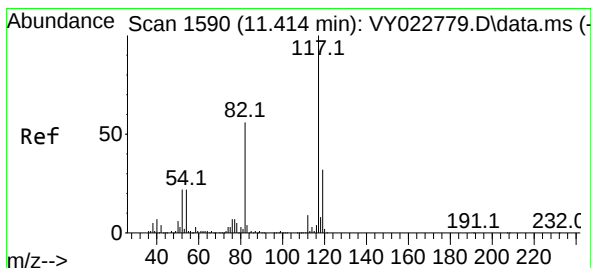
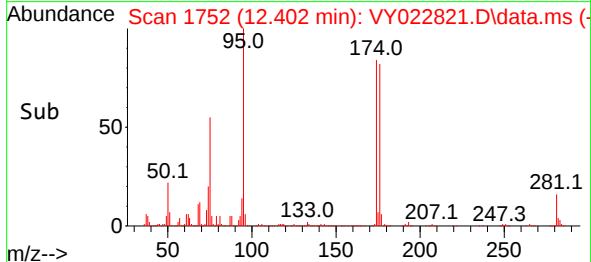
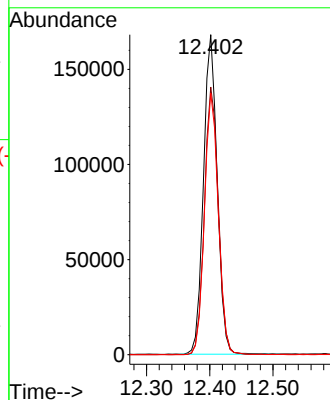
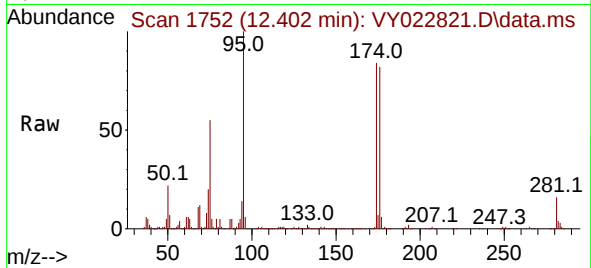




#62
4-Bromofluorobenzene
Concen: 48.021 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022821.D
Acq: 25 Jun 2025 13:45

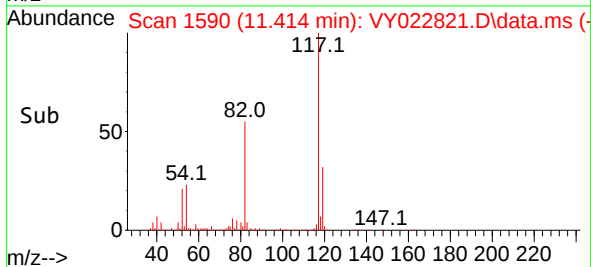
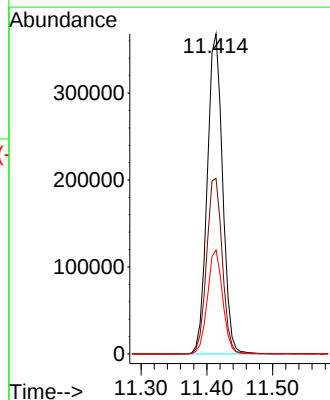
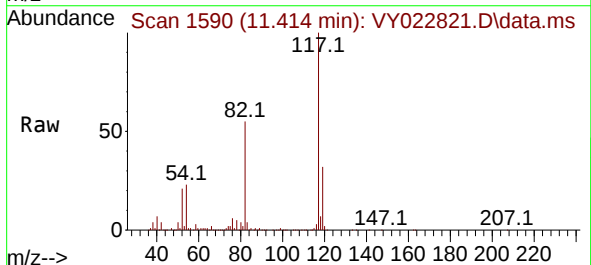
Instrument :
MSVOA_Y
ClientSampleId :
TP-77

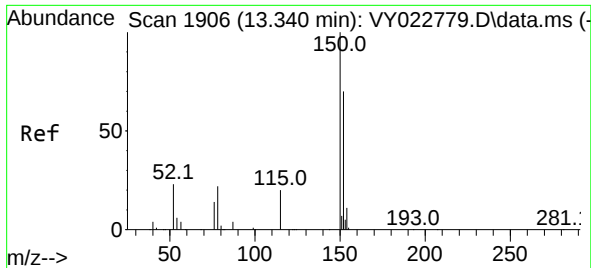
Tgt Ion: 95 Resp: 253931
Ion Ratio Lower Upper
95 100
174 85.5 0.0 170.0
176 82.7 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022821.D
Acq: 25 Jun 2025 13:45

Tgt Ion: 117 Resp: 597468
Ion Ratio Lower Upper
117 100
82 54.8 44.6 66.8
119 32.5 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: VY022821.D
 Acq: 25 Jun 2025 13:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-77

Tgt Ion:152 Resp: 245461
 Ion Ratio Lower Upper
 152 100
 115 57.0 28.9 86.7
 150 157.8 0.0 349.6

