

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022962.D
 Acq On : 07 Jul 2025 15:59
 Operator : SY/MD
 Sample : Q2484-05
 Misc : 5.84g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-106

Quant Time: Jul 08 01:49:17 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)

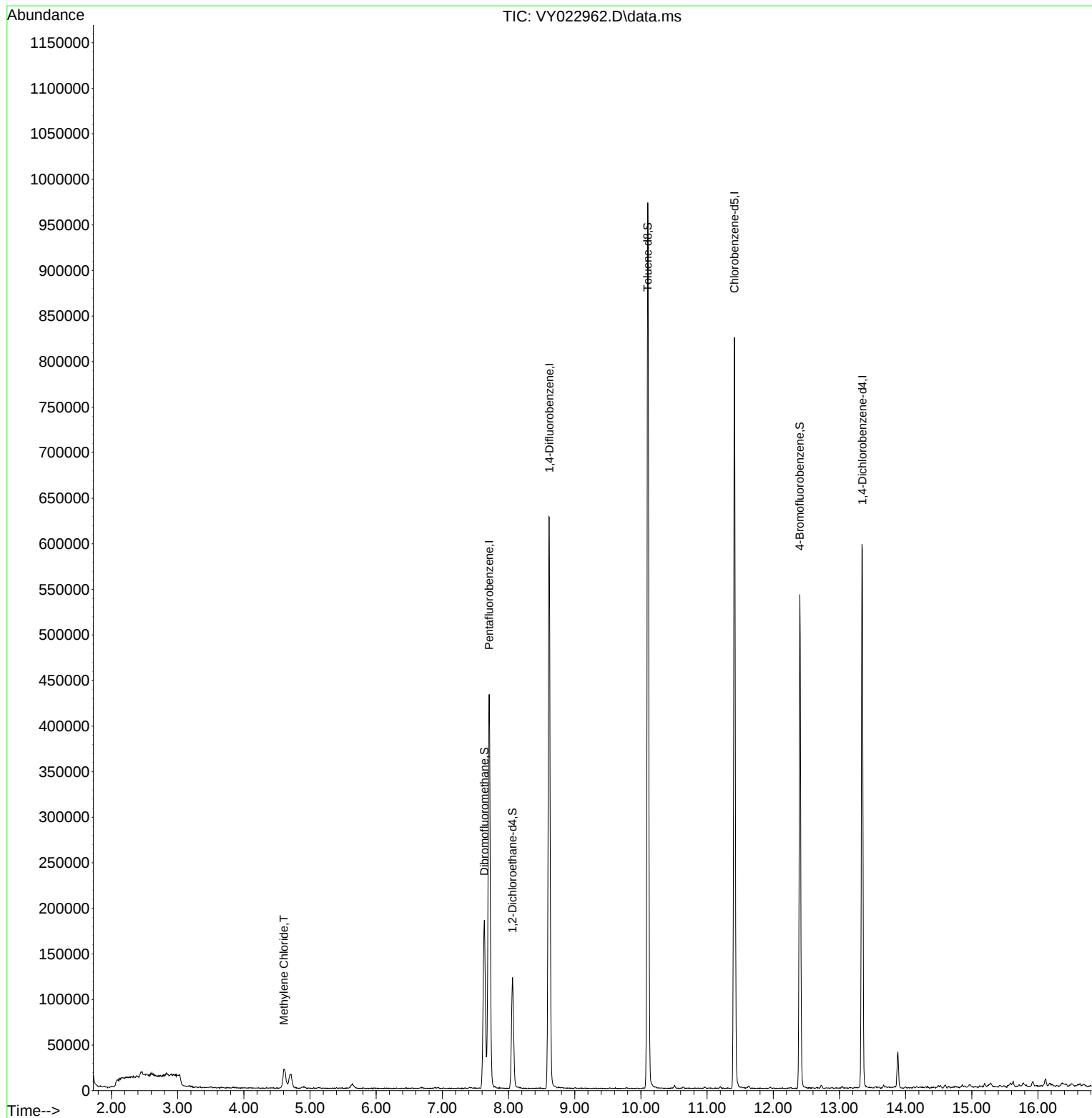
Internal Standards						
1) Pentafluorobenzene	7.707	168	323591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	533342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	417073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	151425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96220	26.642	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	53.280%
35) Dibromofluoromethane	7.634	113	130366	40.193	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.380%
50) Toluene-d8	10.103	98	622742	48.384	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.760%
62) 4-Bromofluorobenzene	12.402	95	160687	38.836	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.680%
Target Compounds						
20) Methylene Chloride	4.604	84	15610	3.621	ug/l	Qvalue 93

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

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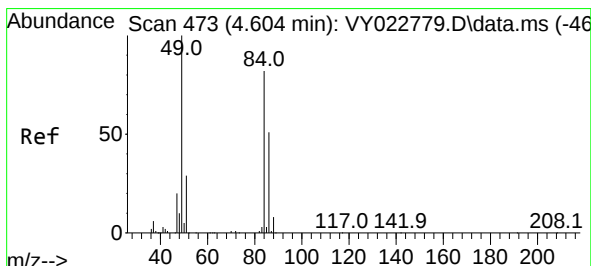
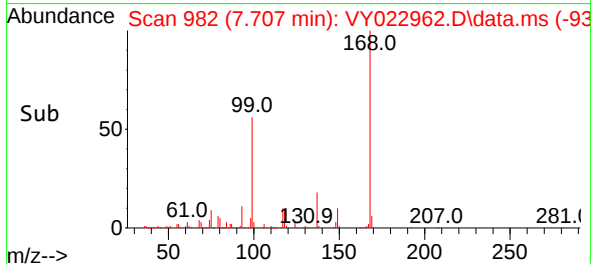
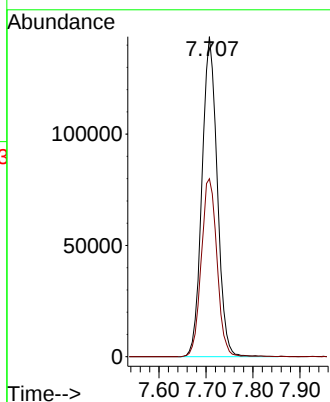
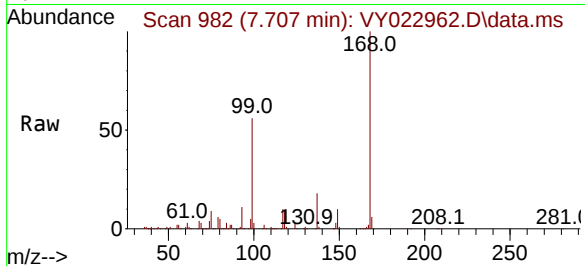




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022962.D
Acq: 07 Jul 2025 15:59

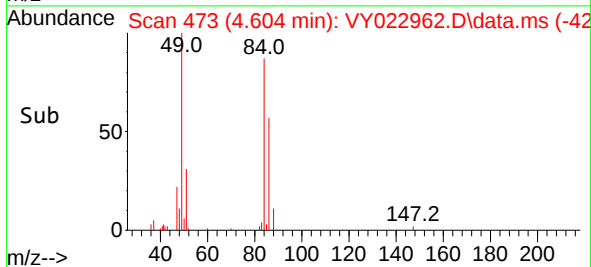
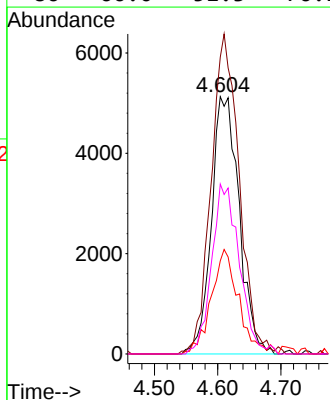
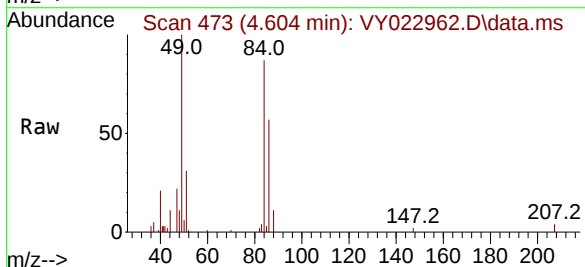
Instrument :
MSVOA_Y
ClientSampleId :
TP-106

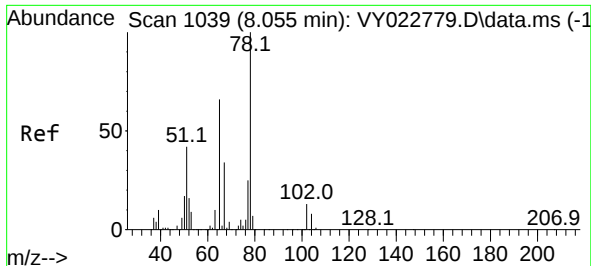
Tgt Ion:168 Resp: 323591
Ion Ratio Lower Upper
168 100
99 55.6 44.3 66.5



#20
Methylene Chloride
Concen: 3.621 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.018 min
Lab File: VY022962.D
Acq: 07 Jul 2025 15:59

Tgt Ion: 84 Resp: 15610
Ion Ratio Lower Upper
84 100
49 115.4 101.9 152.9
51 36.2 29.8 44.8
86 66.0 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 26.642 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022962.D

Acq: 07 Jul 2025 15:59

Instrument :

MSVOA_Y

ClientSampleId :

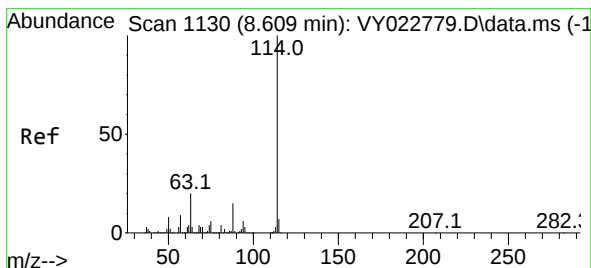
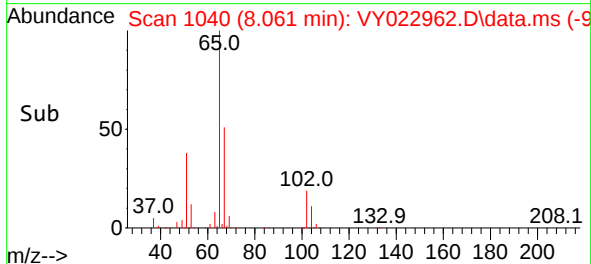
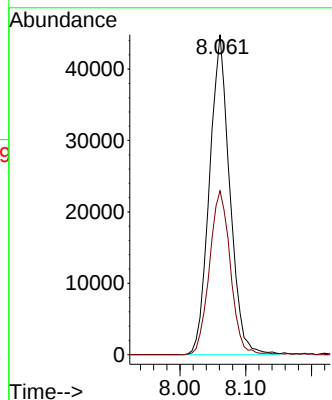
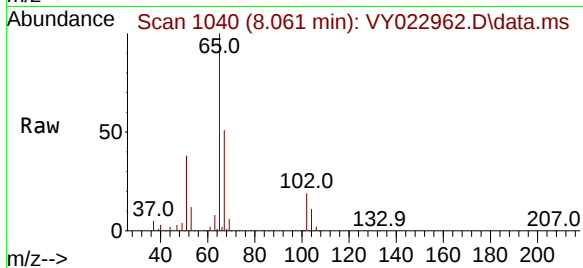
TP-106

Tgt Ion: 65 Resp: 96220

Ion Ratio Lower Upper

65 100

67 52.9 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: VY022962.D

Acq: 07 Jul 2025 15:59

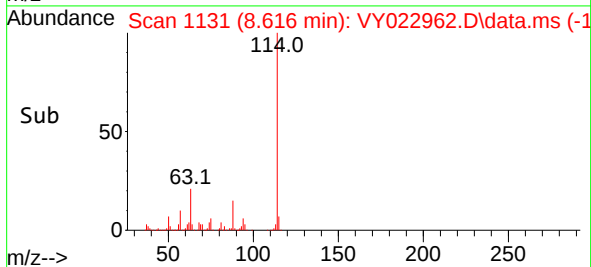
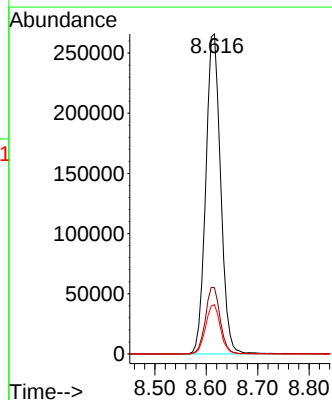
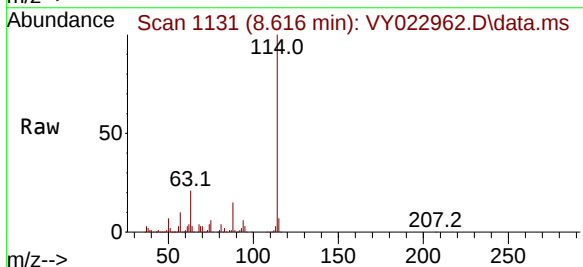
Tgt Ion: 114 Resp: 533342

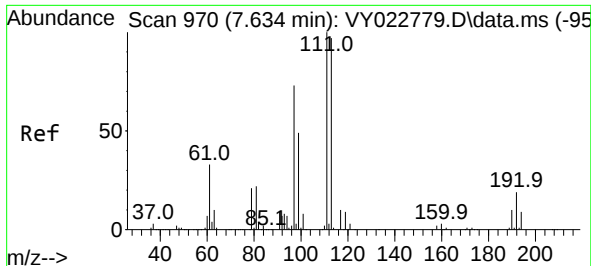
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 15.4 0.0 27.8

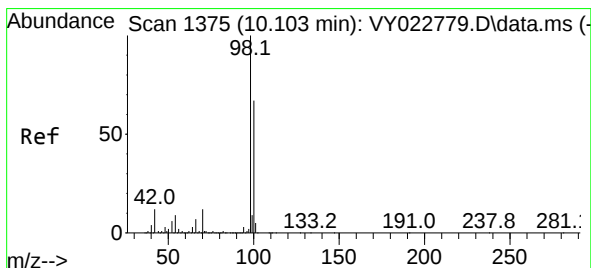
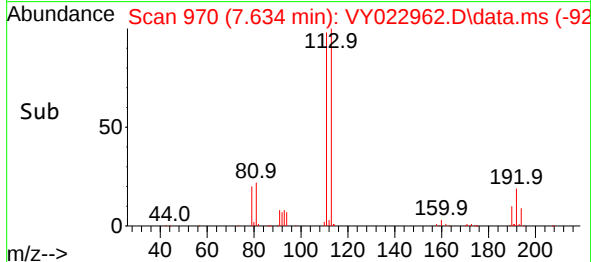
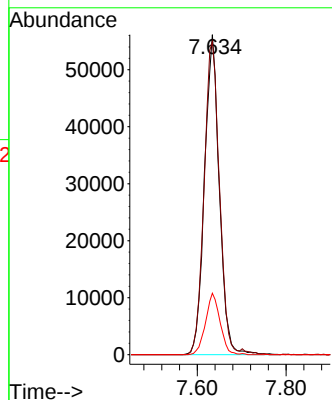
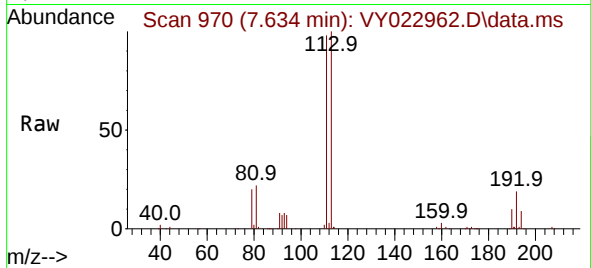




#35
Dibromofluoromethane
Concen: 40.193 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022962.D
Acq: 07 Jul 2025 15:59

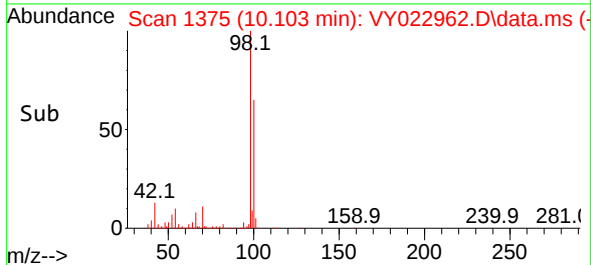
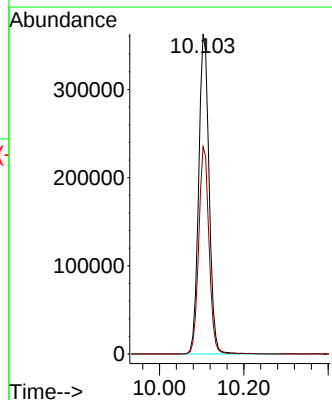
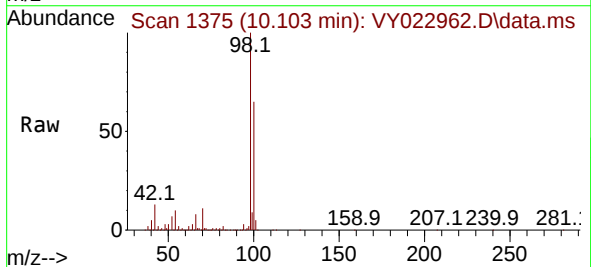
Instrument :
MSVOA_Y
ClientSampleId :
TP-106

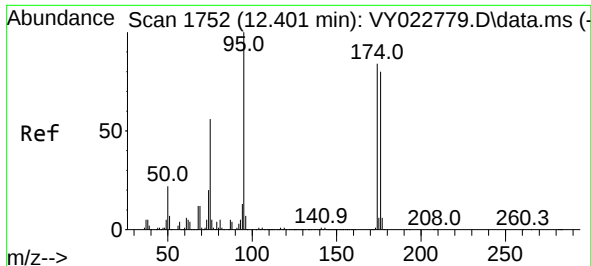
Tgt Ion:113 Resp: 130366
Ion Ratio Lower Upper
113 100
111 101.0 81.1 121.7
192 18.9 14.2 21.2



#50
Toluene-d8
Concen: 48.384 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022962.D
Acq: 07 Jul 2025 15:59

Tgt Ion: 98 Resp: 622742
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0

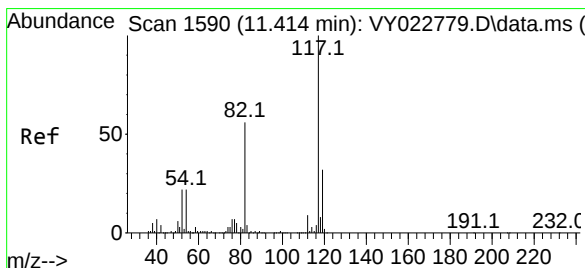
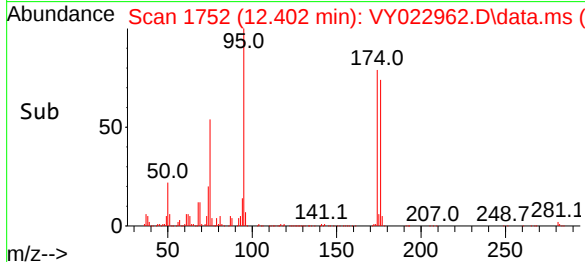
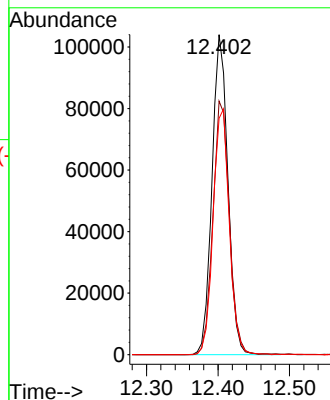
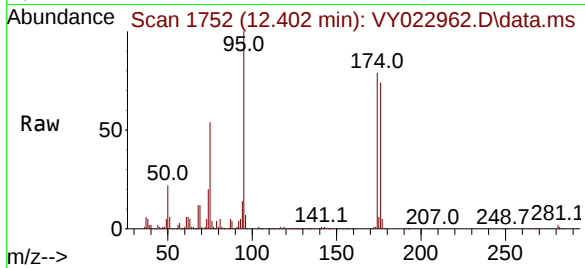




#62
4-Bromofluorobenzene
Concen: 38.836 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022962.D
Acq: 07 Jul 2025 15:59

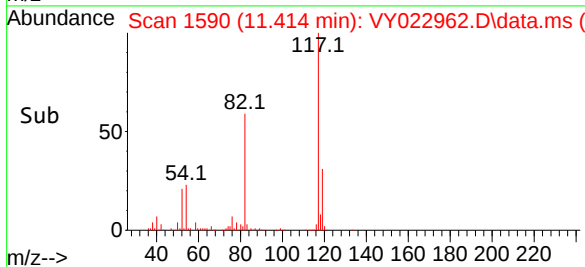
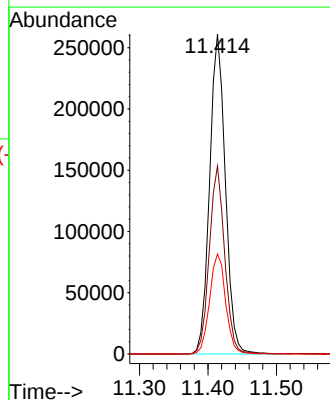
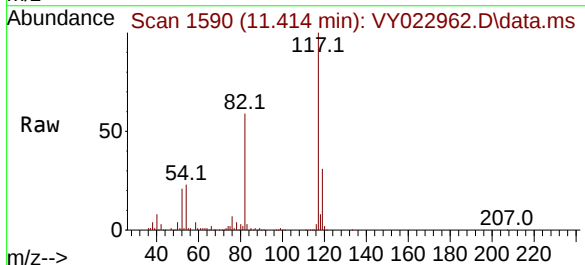
Instrument :
MSVOA_Y
ClientSampleId :
TP-106

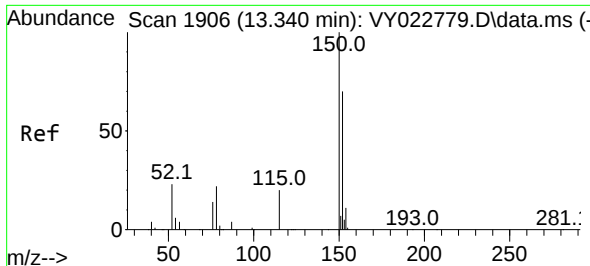
Tgt Ion: 95 Resp: 160687
Ion Ratio Lower Upper
95 100
174 81.9 0.0 170.0
176 78.2 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022962.D
Acq: 07 Jul 2025 15:59

Tgt Ion: 117 Resp: 417073
Ion Ratio Lower Upper
117 100
82 58.7 44.6 66.8
119 31.3 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: VY022962.D
 Acq: 07 Jul 2025 15:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-106

Tgt Ion:152 Resp: 151425
 Ion Ratio Lower Upper
 152 100
 115 57.3 28.9 86.7
 150 156.2 0.0 349.6

