

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022965.D
 Acq On : 07 Jul 2025 17:09
 Operator : SY/MD
 Sample : Q2514-02
 Misc : 4.60g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-93

Quant Time: Jul 08 01:50:22 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)

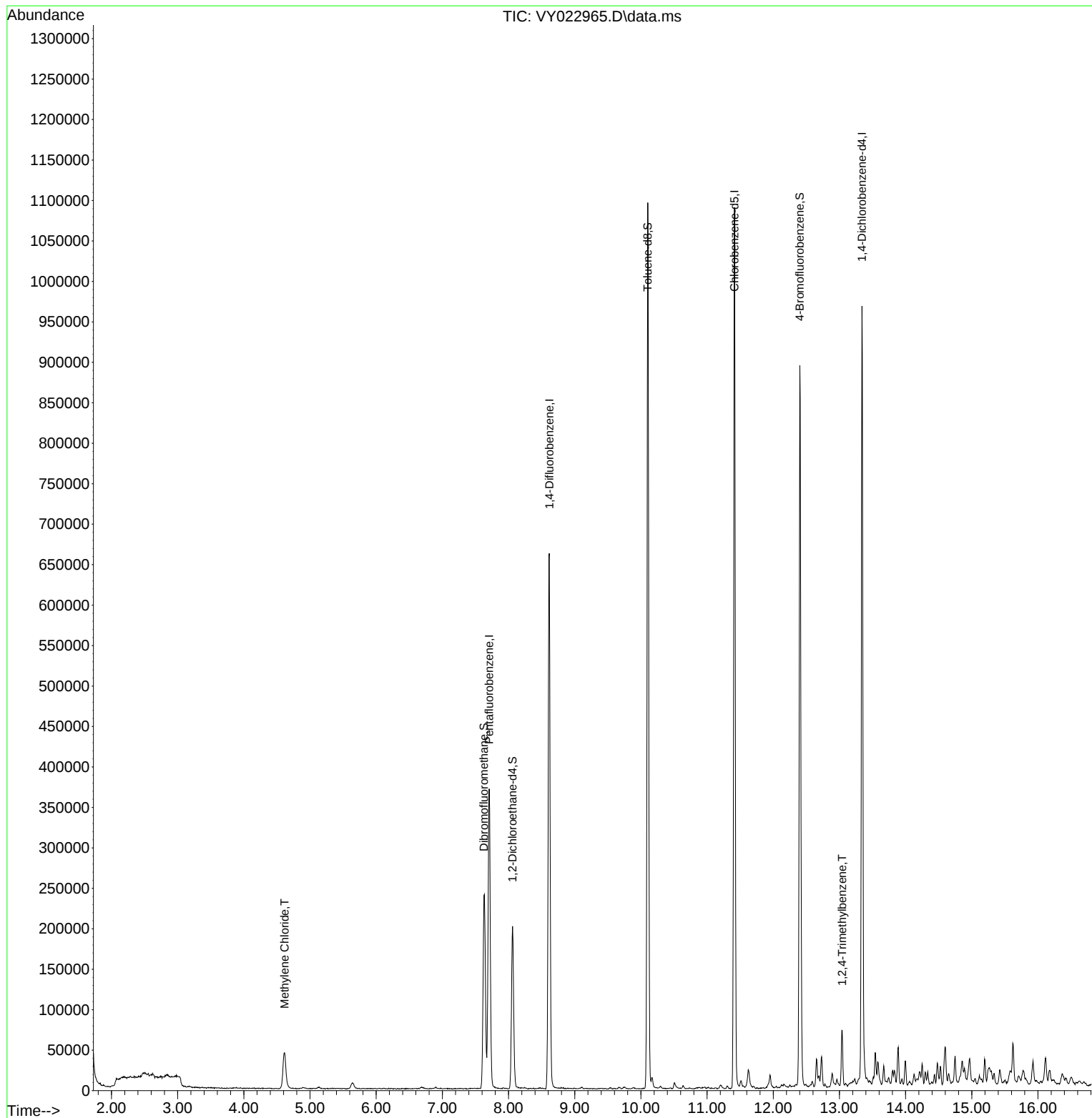
Internal Standards						
1) Pentafluorobenzene	7.707	168	278769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	553496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	549755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	231894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	159350	51.216	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.440%
35) Dibromofluoromethane	7.628	113	176301	52.376	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.760%
50) Toluene-d8	10.103	98	677660	50.734	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.460%
62) 4-Bromofluorobenzene	12.402	95	236638	55.110	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.220%
Target Compounds						
						Qvalue
20) Methylene Chloride	4.616	84	32754	8.820	ug/l	95
84) 1,2,4-Trimethylbenzene	13.042	105	36388	2.625	ug/l	99

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

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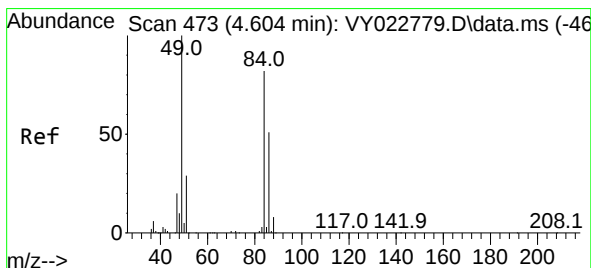
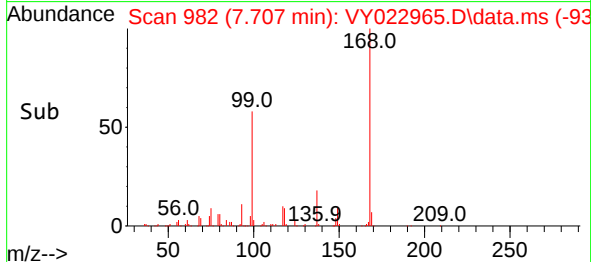
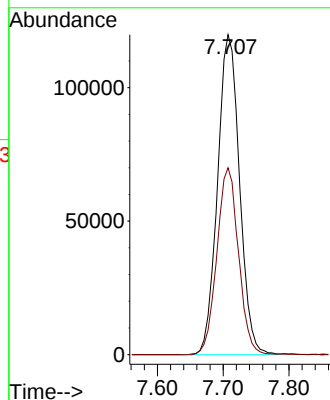
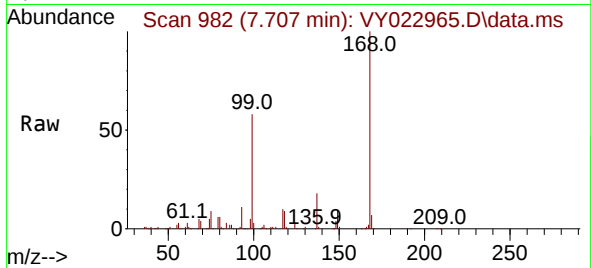




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022965.D
Acq: 07 Jul 2025 17:09

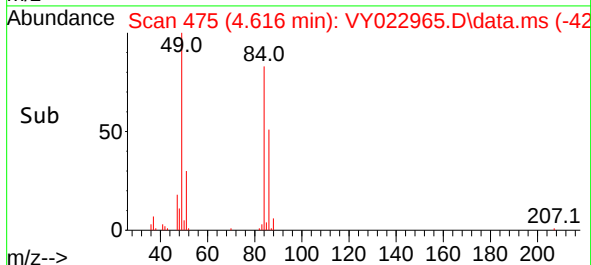
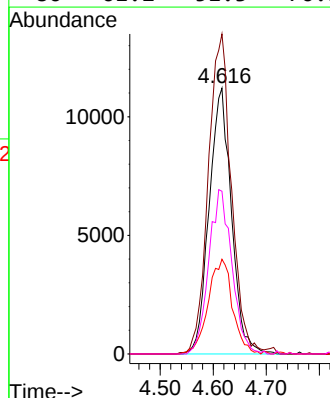
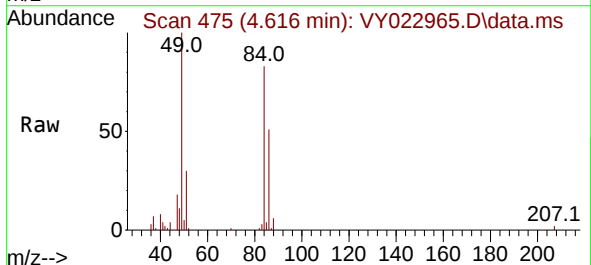
Instrument :
MSVOA_Y
ClientSampleId :
TP-93

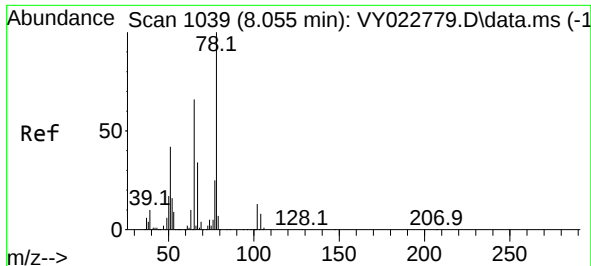
Tgt Ion:168 Resp: 278769
Ion Ratio Lower Upper
168 100
99 58.4 44.3 66.5



#20
Methylene Chloride
Concen: 8.820 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022965.D
Acq: 07 Jul 2025 17:09

Tgt Ion: 84 Resp: 32754
Ion Ratio Lower Upper
84 100
49 120.4 101.9 152.9
51 35.7 29.8 44.8
86 61.2 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 51.216 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VY022965.D

Acq: 07 Jul 2025 17:09

Instrument :

MSVOA_Y

ClientSampleId :

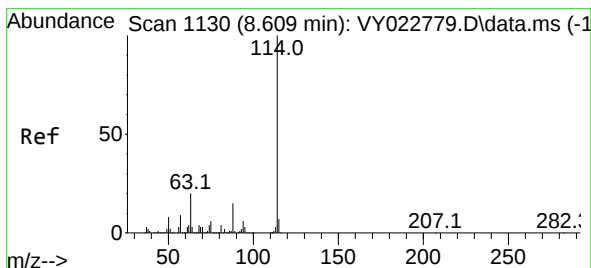
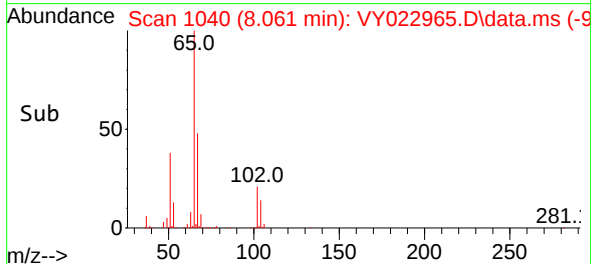
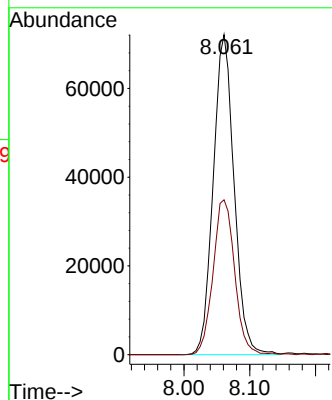
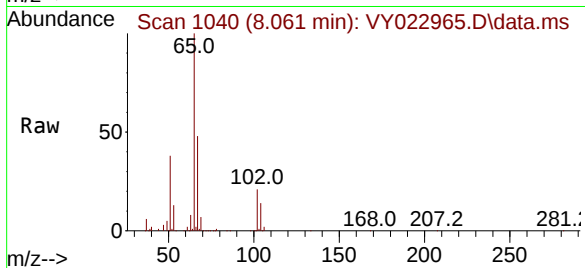
TP-93

Tgt Ion: 65 Resp: 159350

Ion Ratio Lower Upper

65 100

67 50.2 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: VY022965.D

Acq: 07 Jul 2025 17:09

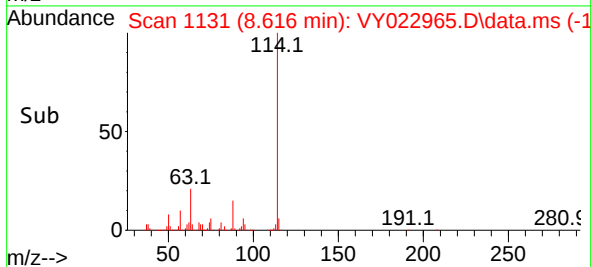
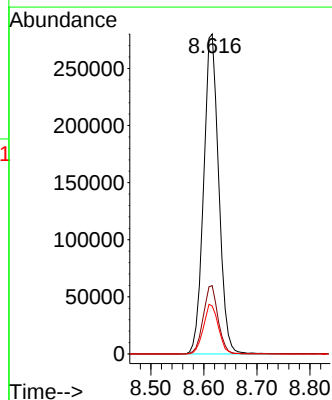
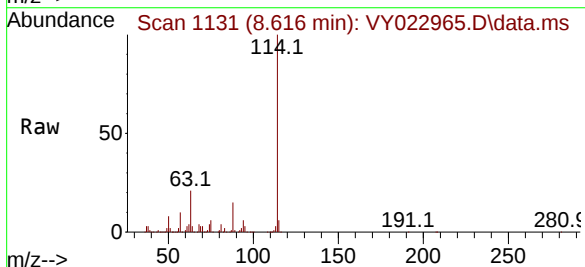
Tgt Ion: 114 Resp: 553496

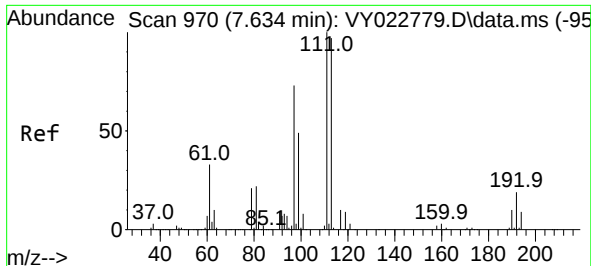
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

88 15.0 0.0 27.8

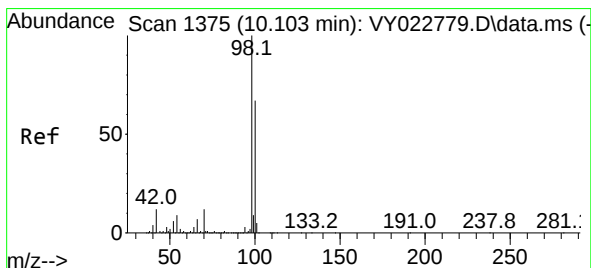
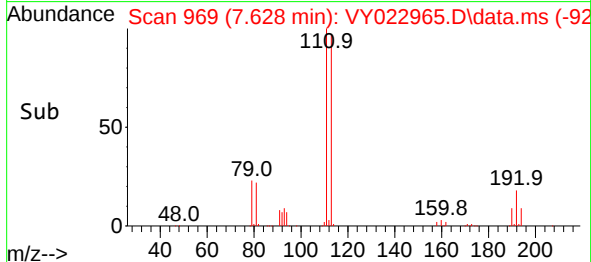
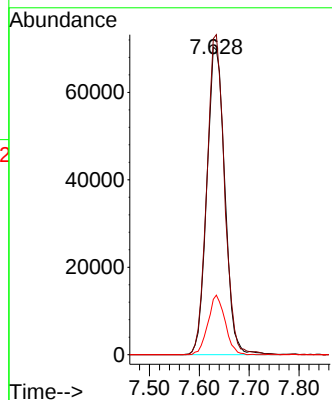
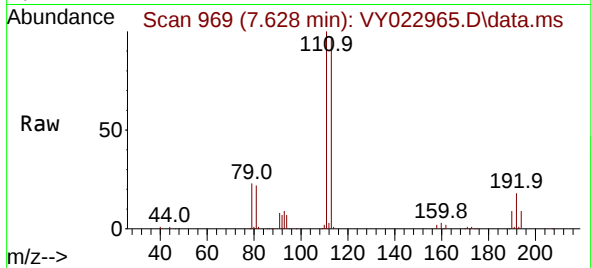




#35
Dibromofluoromethane
Concen: 52.376 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY022965.D
Acq: 07 Jul 2025 17:09

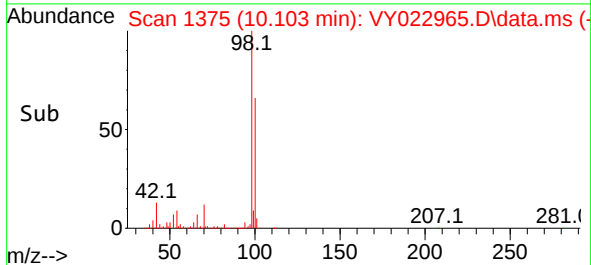
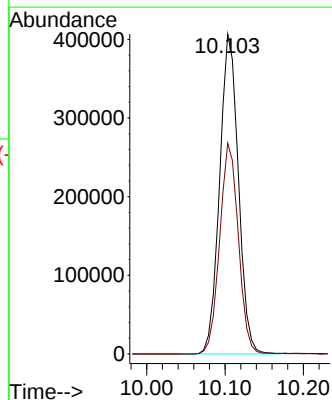
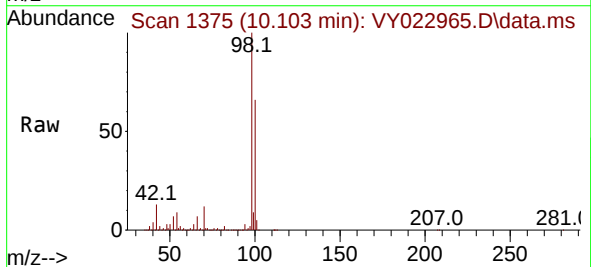
Instrument :
MSVOA_Y
ClientSampleId :
TP-93

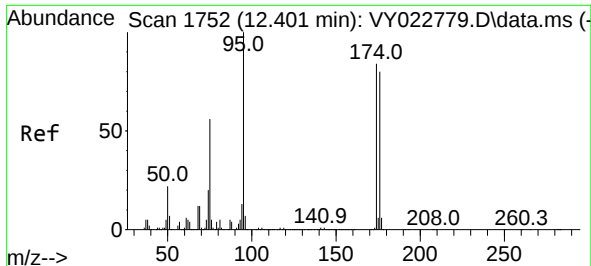
Tgt Ion:113 Resp: 176301
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 18.4 14.2 21.2



#50
Toluene-d8
Concen: 50.734 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022965.D
Acq: 07 Jul 2025 17:09

Tgt Ion: 98 Resp: 677660
Ion Ratio Lower Upper
98 100
100 65.6 51.4 77.0

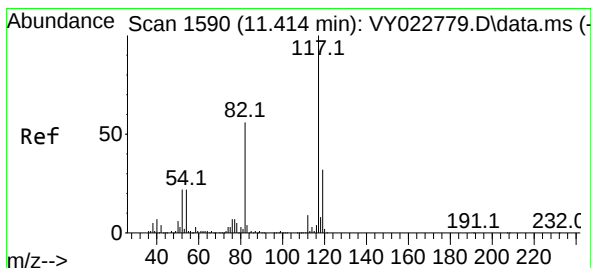
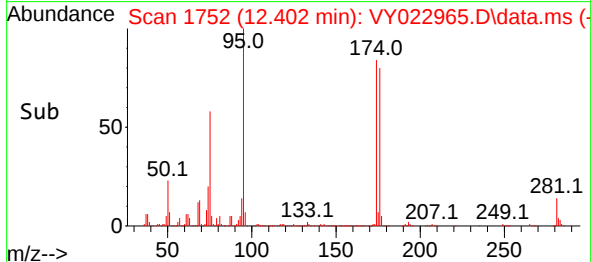
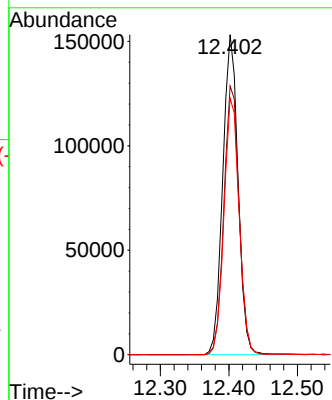
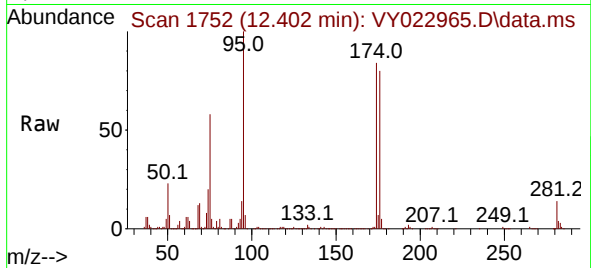




#62
4-Bromofluorobenzene
Concen: 55.110 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022965.D
Acq: 07 Jul 2025 17:09

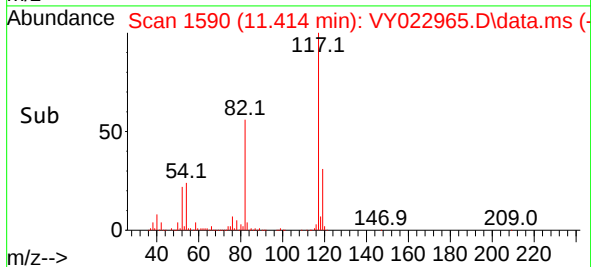
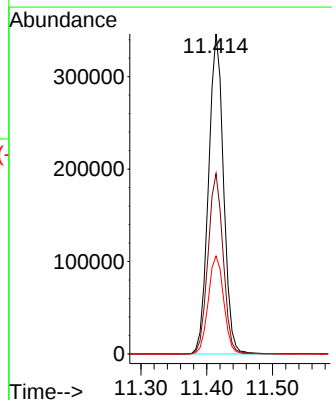
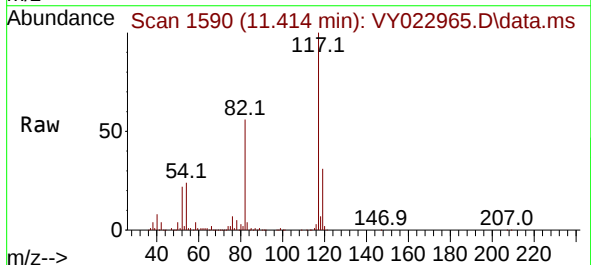
Instrument :
MSVOA_Y
ClientSampleId :
TP-93

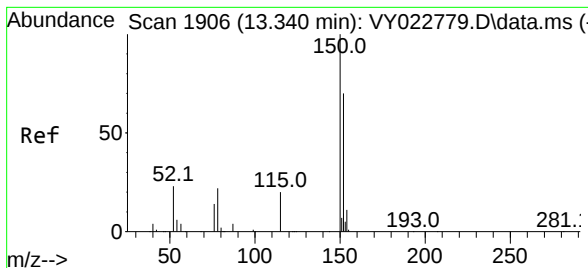
Tgt Ion: 95 Resp: 236638
Ion Ratio Lower Upper
95 100
174 83.8 0.0 170.0
176 79.7 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022965.D
Acq: 07 Jul 2025 17:09

Tgt Ion: 117 Resp: 549755
Ion Ratio Lower Upper
117 100
82 56.4 44.6 66.8
119 30.6 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: VY022965.D

Acq: 07 Jul 2025 17:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-93

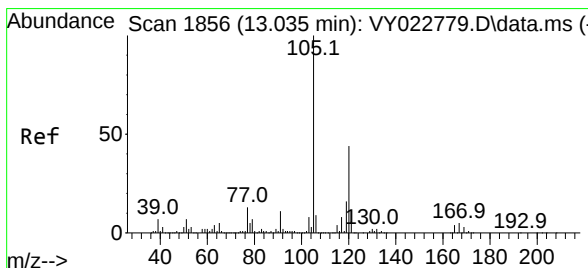
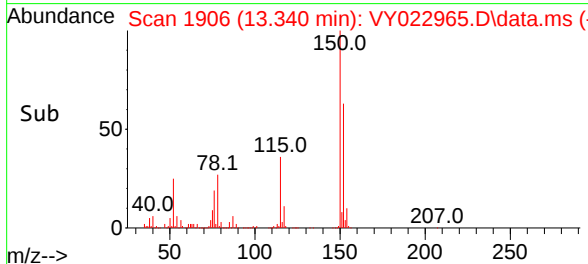
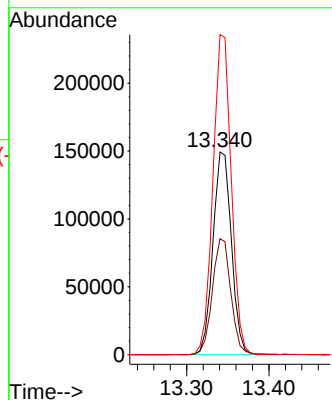
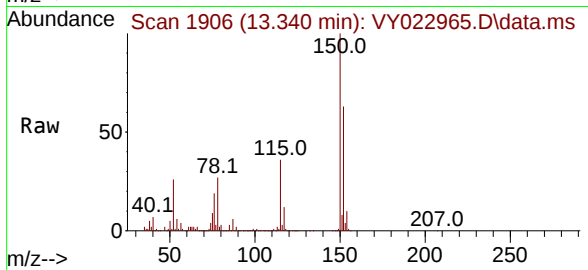
Tgt Ion:152 Resp: 231894

Ion Ratio Lower Upper

152 100

115 57.1 28.9 86.7

150 157.0 0.0 349.6



#84

1,2,4-Trimethylbenzene

Concen: 2.625 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY022965.D

Acq: 07 Jul 2025 17:09

Tgt Ion:105 Resp: 36388

Ion Ratio Lower Upper

105 100

120 46.4 22.7 68.1

