

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
 Data File : VY023242.D
 Acq On : 29 Aug 2025 13:08
 Operator : SY/MD
 Sample : Q2982-05
 Misc : 5.32g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0249-0253

Quant Time: Aug 30 01:21:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

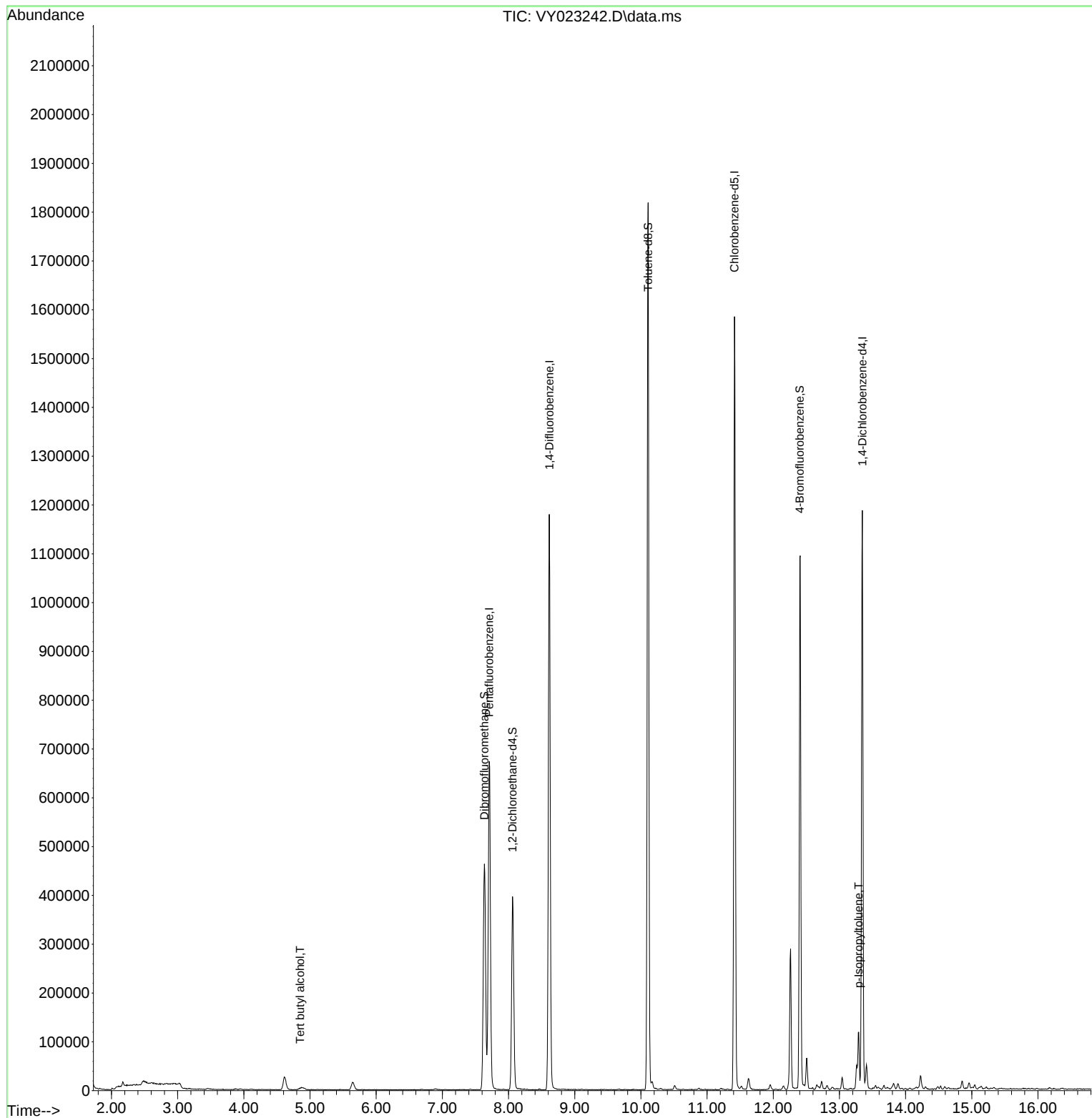
Internal Standards						
1) Pentafluorobenzene	7.707	168	537946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1029066	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	867997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	307627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	304876	59.465	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.920%
35) Dibromofluoromethane	7.634	113	340306	55.266	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.540%
50) Toluene-d8	10.109	98	1203137	50.016	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.040%
62) 4-Bromofluorobenzene	12.402	95	338981	43.818	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.640%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.848	59	6669	18.984	ug/l	# 82
86) p-Isopropyltoluene	13.292	119	61342	3.174	ug/l	94

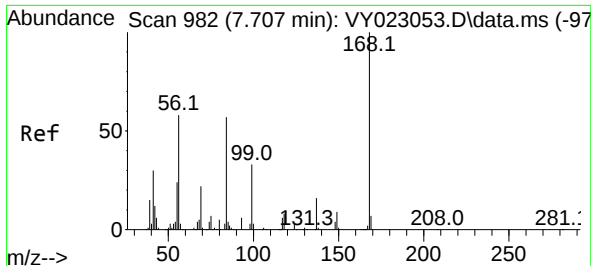
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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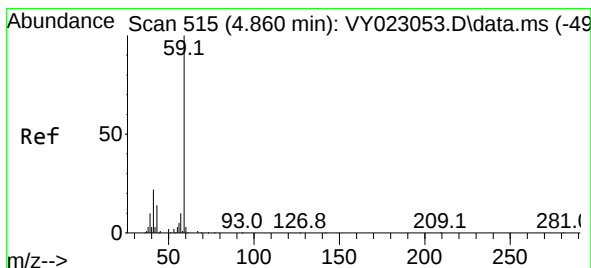
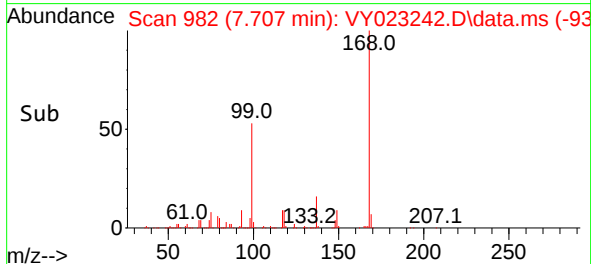
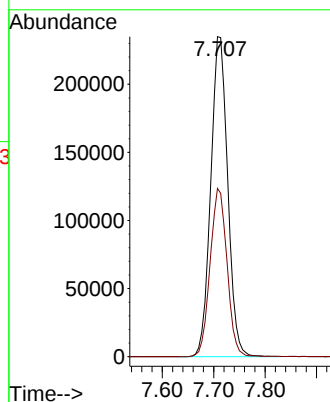
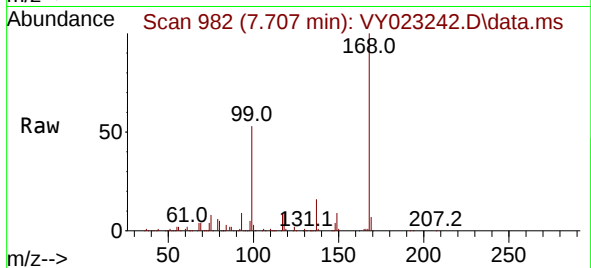




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023242.D
Acq: 29 Aug 2025 13:08

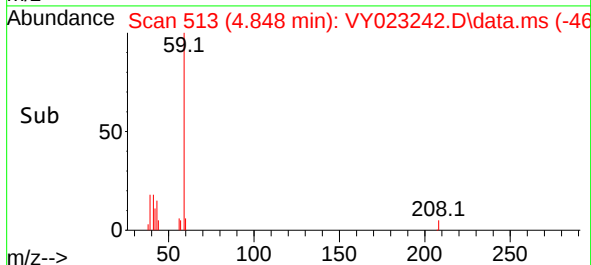
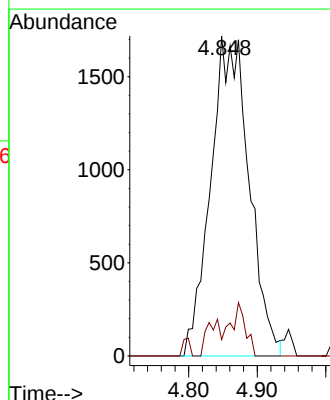
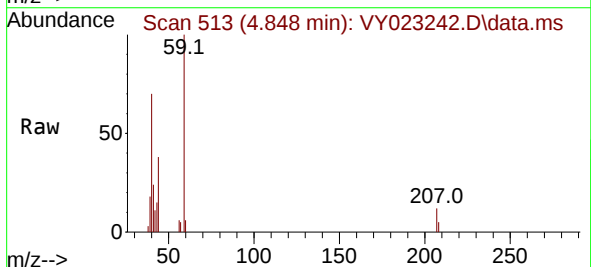
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0249-0253

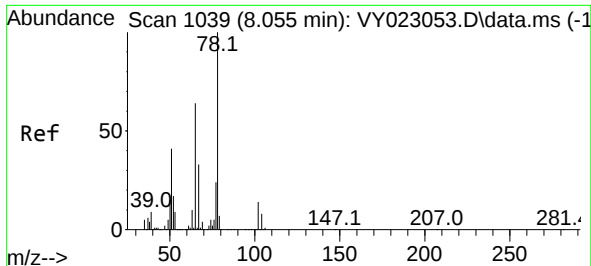
Tgt Ion:168 Resp: 537946
Ion Ratio Lower Upper
168 100
99 52.6 42.8 64.2



#11
Tert butyl alcohol
Concen: 18.984 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY023242.D
Acq: 29 Aug 2025 13:08

Tgt Ion: 59 Resp: 6669
Ion Ratio Lower Upper
59 100
57 4.0 8.6 13.0#





#33

1,2-Dichloroethane-d4

Concen: 59.465 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VY023242.D

Acq: 29 Aug 2025 13:08

Instrument :

MSVOA_Y

ClientSampleId :

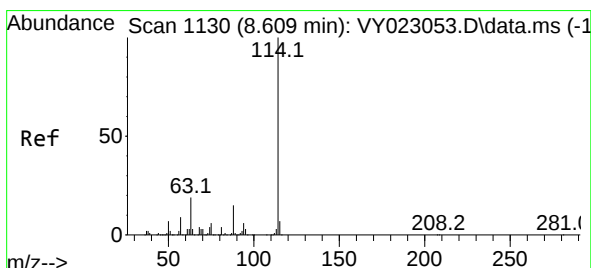
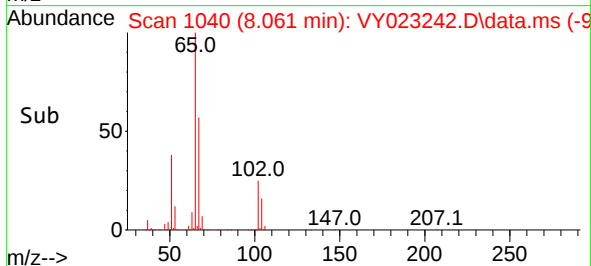
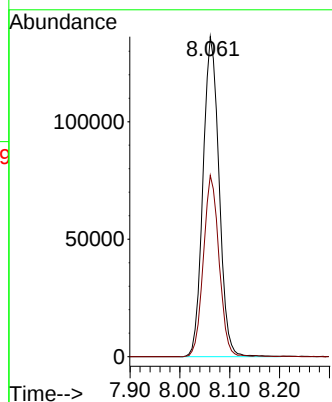
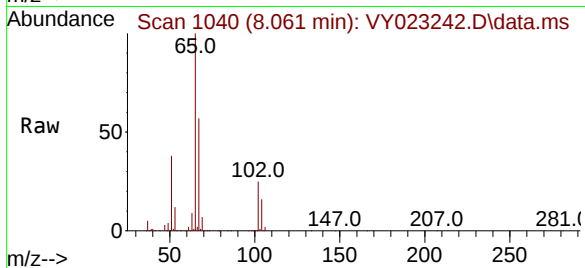
MOO-25-0249-0253

Tgt Ion: 65 Resp: 304876

Ion Ratio Lower Upper

65 100

67 55.1 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023242.D

Acq: 29 Aug 2025 13:08

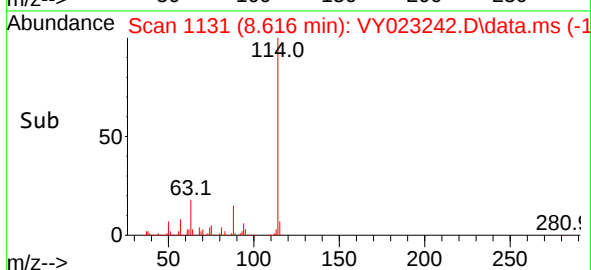
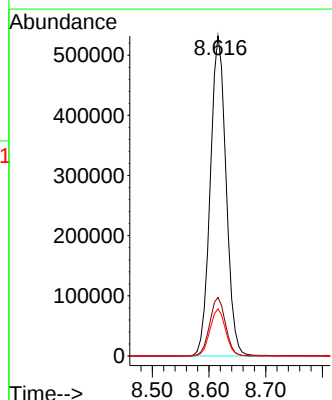
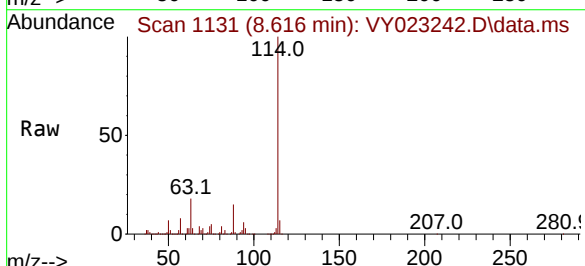
Tgt Ion: 114 Resp: 1029066

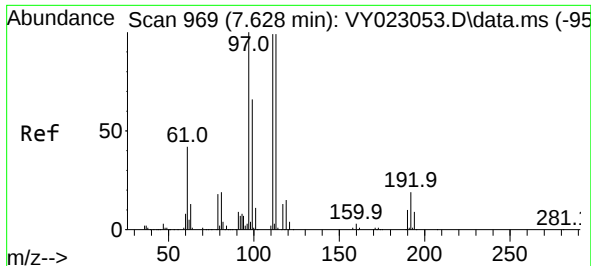
Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

88 14.7 0.0 30.0

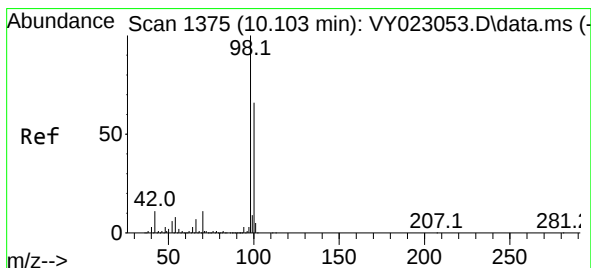
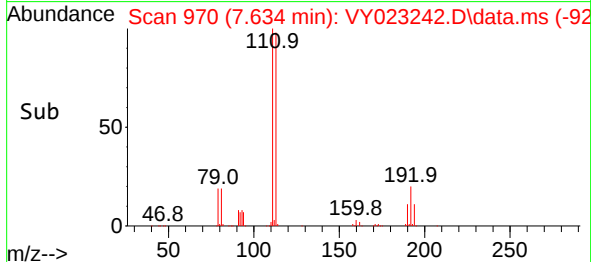
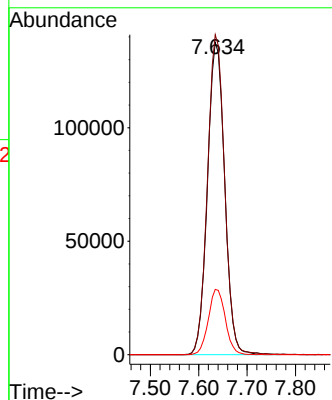
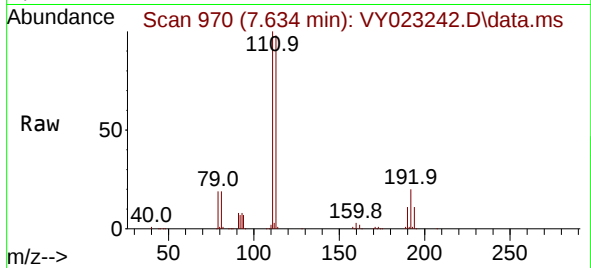




#35
Dibromofluoromethane
Concen: 55.266 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023242.D
Acq: 29 Aug 2025 13:08

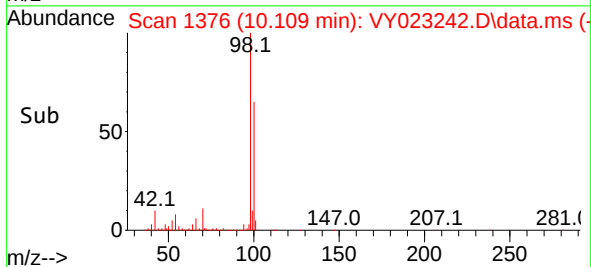
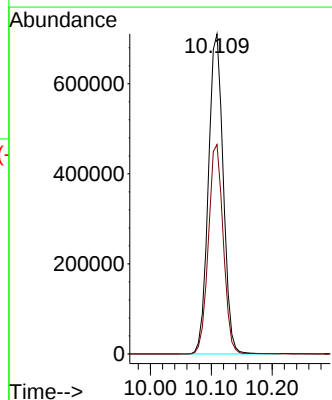
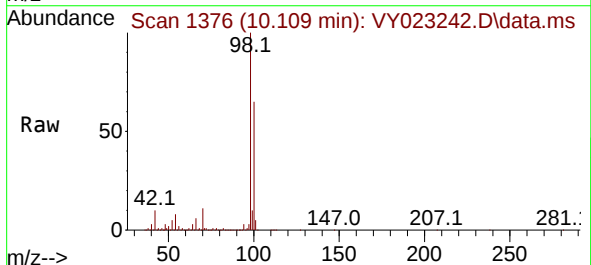
Instrument :
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MOO-25-0249-0253

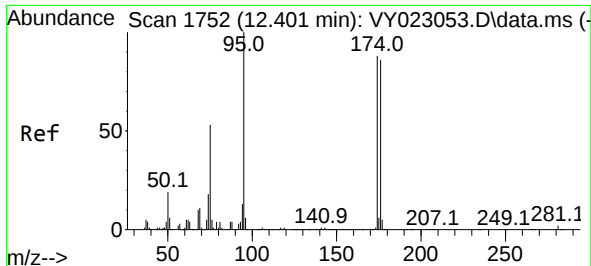
Tgt Ion:113 Resp: 340306
Ion Ratio Lower Upper
113 100
111 102.0 81.1 121.7
192 20.6 16.2 24.4



#50
Toluene-d8
Concen: 50.016 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023242.D
Acq: 29 Aug 2025 13:08

Tgt Ion: 98 Resp: 1203137
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5

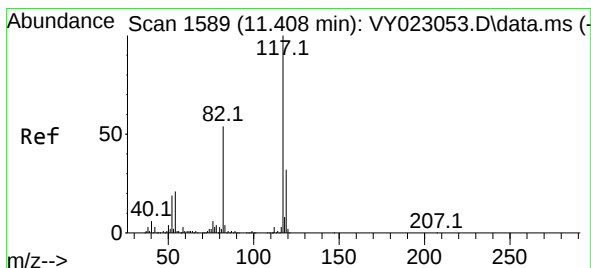
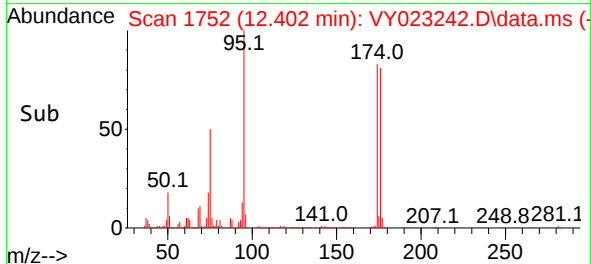
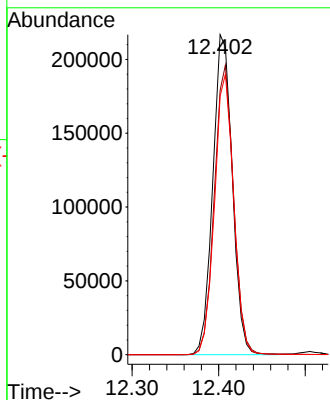
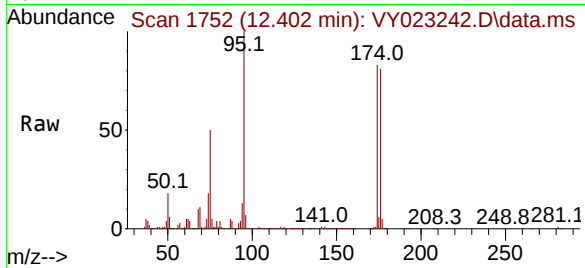




#62
4-Bromofluorobenzene
Concen: 43.818 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023242.D
Acq: 29 Aug 2025 13:08

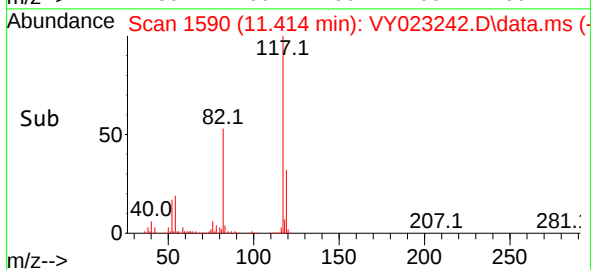
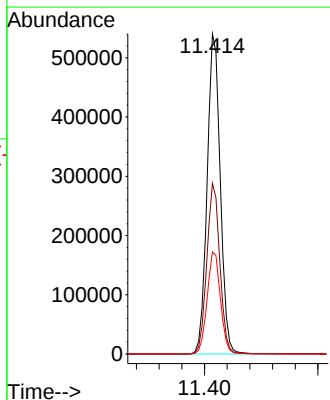
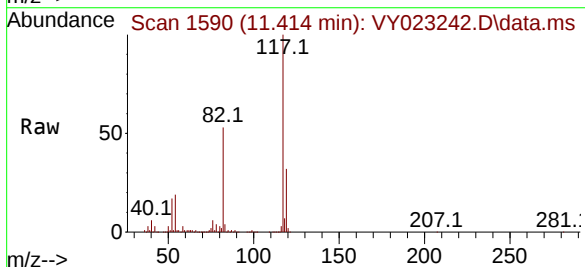
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0249-0253

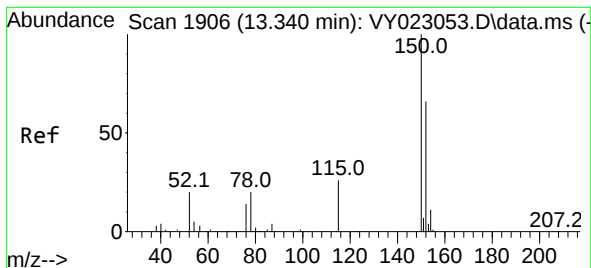
Tgt Ion: 95 Resp: 338981
Ion Ratio Lower Upper
95 100
174 89.5 0.0 171.6
176 86.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023242.D
Acq: 29 Aug 2025 13:08

Tgt Ion: 117 Resp: 867997
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.0
119 31.9 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023242.D

Acq: 29 Aug 2025 13:08

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0249-0253

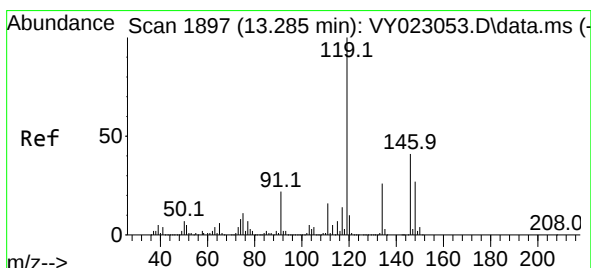
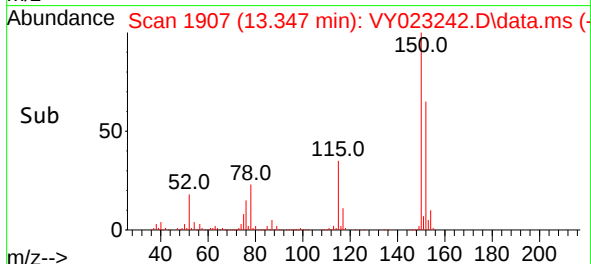
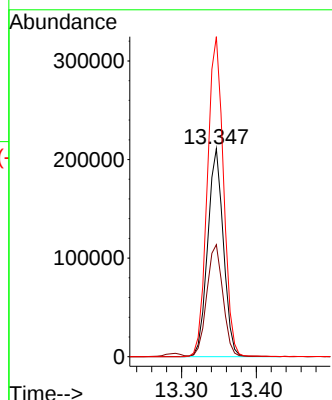
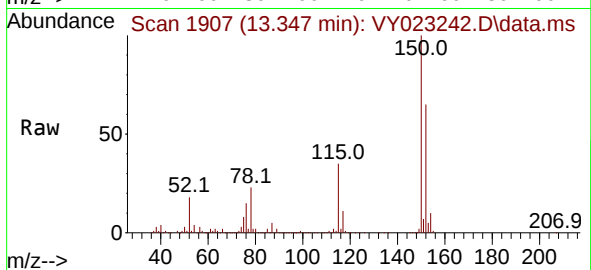
Tgt Ion:152 Resp: 307627

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.6

150 158.3 0.0 348.0



#86

p-Isopropyltoluene

Concen: 3.174 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY023242.D

Acq: 29 Aug 2025 13:08

Tgt Ion:119 Resp: 61342

Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.6

91 28.4 11.3 33.8

