

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
 Data File : VY023412.D
 Acq On : 09 Oct 2025 11:00
 Operator : SY/MD
 Sample : Q3315-03
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11989

Quant Time: Oct 10 04:23:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

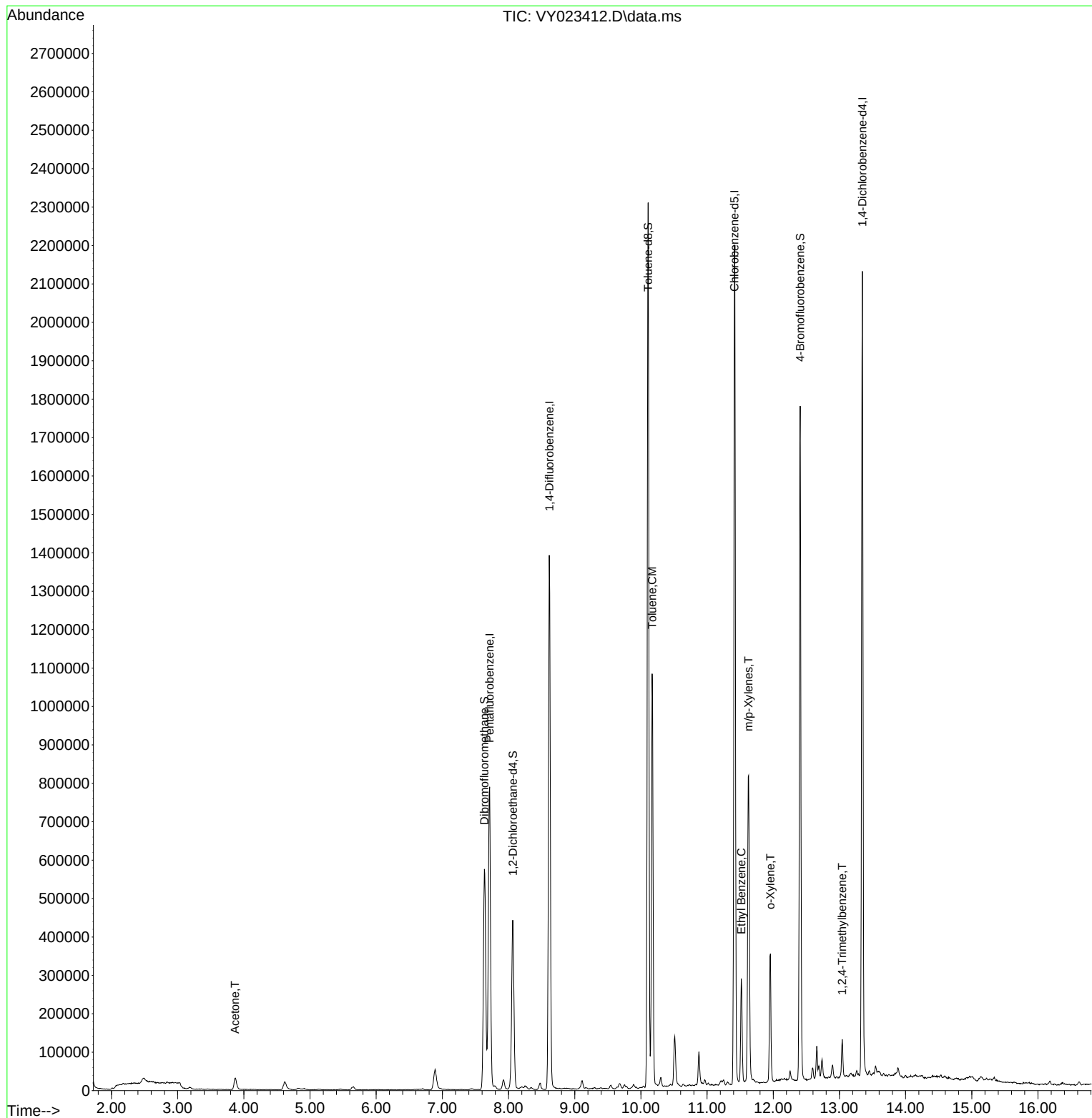
Internal Standards						
1) Pentafluorobenzene	7.713	168	659026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1267941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1251859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	555934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	342186	62.093	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.180%	
35) Dibromofluoromethane	7.634	113	417925	53.643	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.280%	
50) Toluene-d8	10.109	98	1523411	52.506	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.020%	
62) 4-Bromofluorobenzene	12.408	95	517495	54.024	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.040%	
Target Compounds						
					Qvalue	
16) Acetone	3.867	43	53499	40.778	ug/l	96
52) Toluene	10.170	92	466354	21.989	ug/l	100
67) Ethyl Benzene	11.518	91	187697	4.259	ug/l	98
68) m/p-Xylenes	11.627	106	267829	15.151	ug/l	99
69) o-Xylene	11.957	106	93211	5.622	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	52495	1.777	ug/l	98

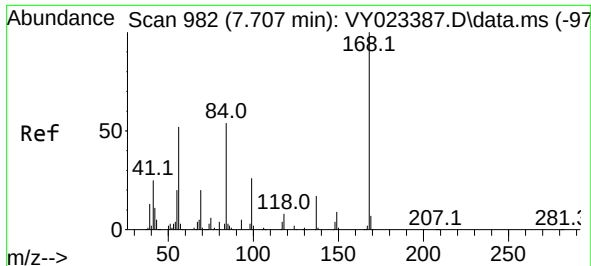
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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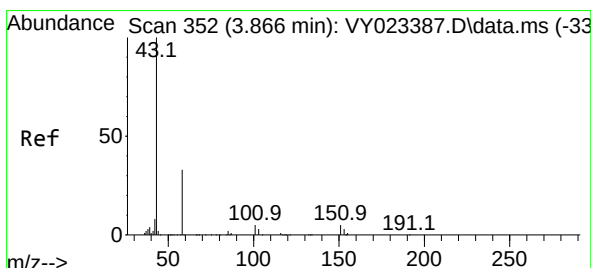
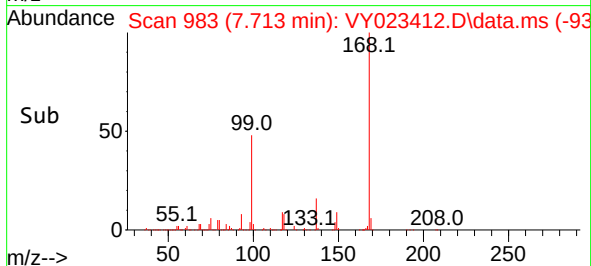
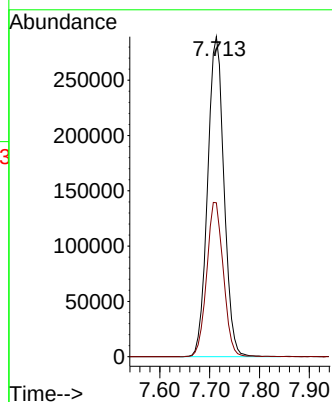
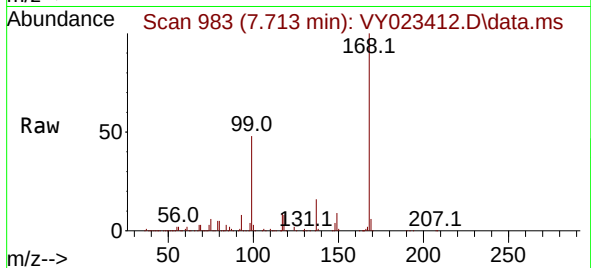




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023412.D
Acq: 09 Oct 2025 11:00

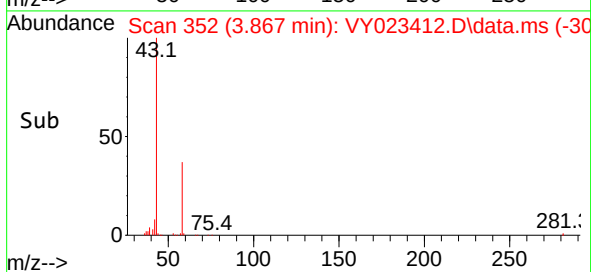
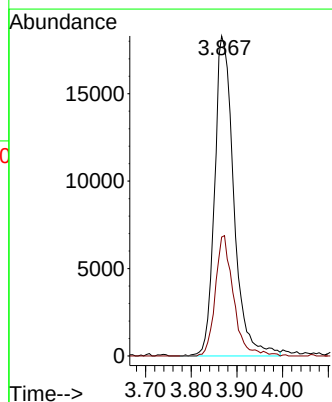
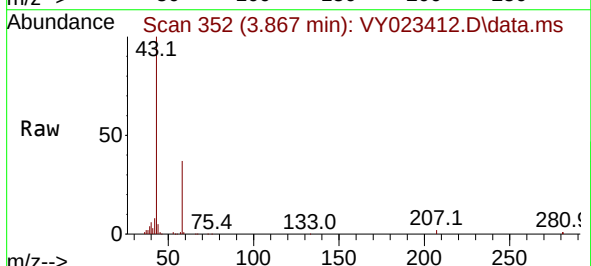
Instrument :
MSVOA_Y
ClientSampleId :
72-11989

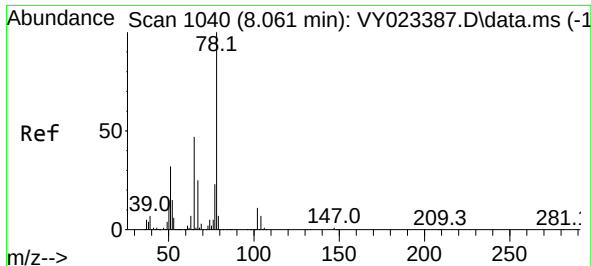
Tgt Ion:168 Resp: 659026
Ion Ratio Lower Upper
168 100
99 48.1 39.7 59.5



#16
Acetone
Concen: 40.778 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023412.D
Acq: 09 Oct 2025 11:00

Tgt Ion: 43 Resp: 53499
Ion Ratio Lower Upper
43 100
58 37.1 27.7 41.5





#33

1,2-Dichloroethane-d4

Concen: 62.093 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023412.D

Acq: 09 Oct 2025 11:00

Instrument :

MSVOA_Y

ClientSampleId :

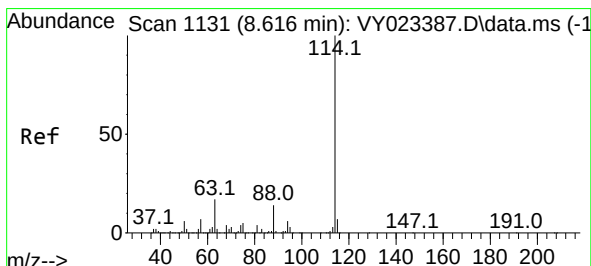
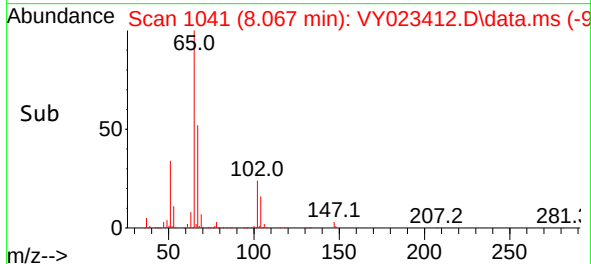
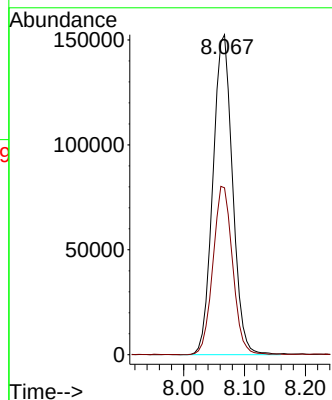
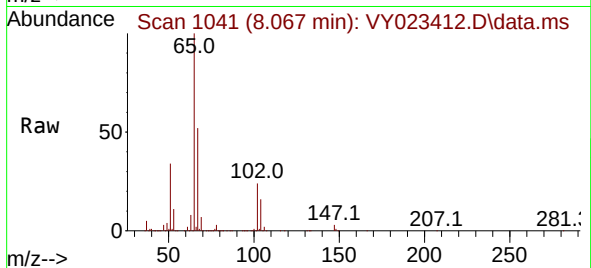
72-11989

Tgt Ion: 65 Resp: 342186

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023412.D

Acq: 09 Oct 2025 11:00

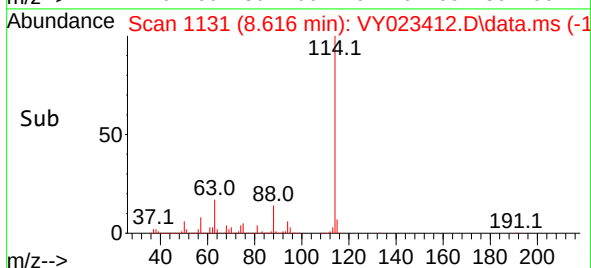
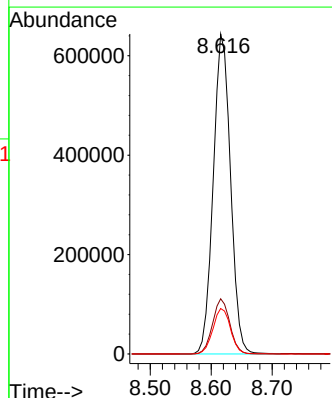
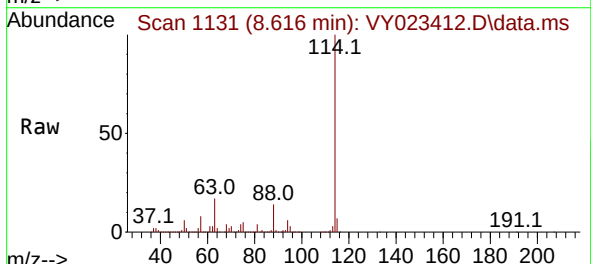
Tgt Ion: 114 Resp: 1267941

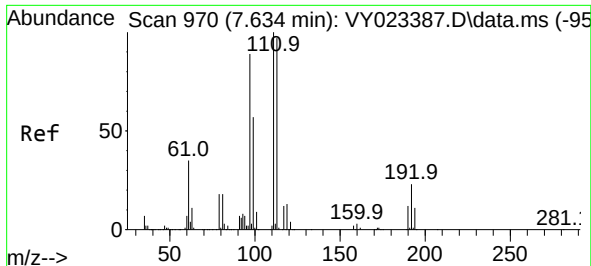
Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.2

88 14.2 0.0 28.4

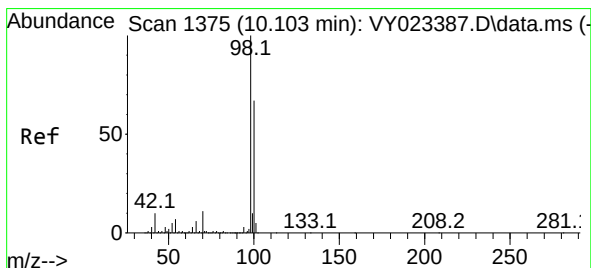
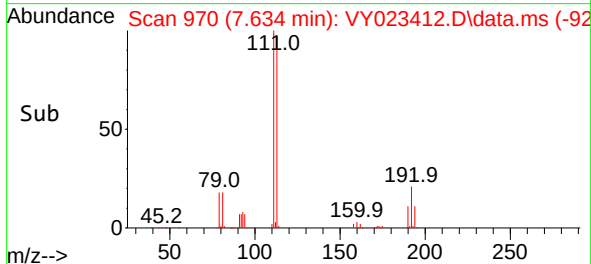
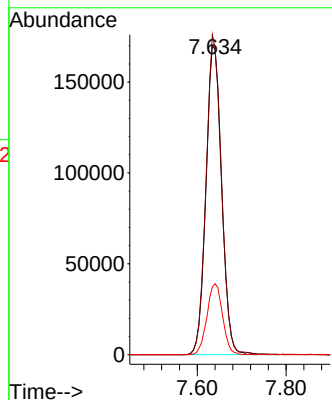
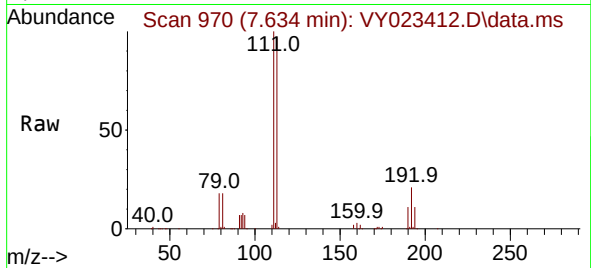




#35
Dibromofluoromethane
Concen: 53.643 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023412.D
Acq: 09 Oct 2025 11:00

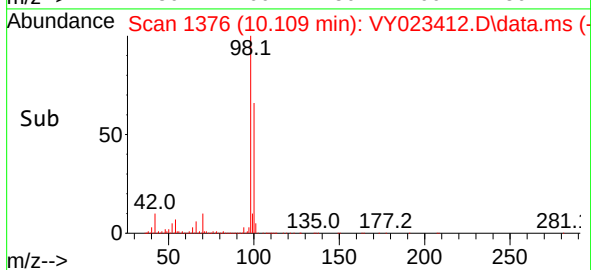
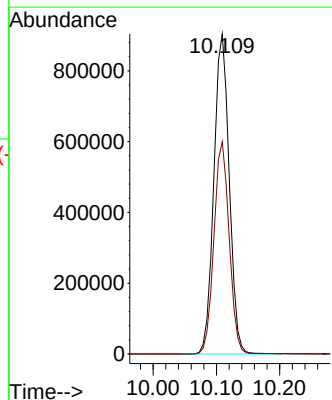
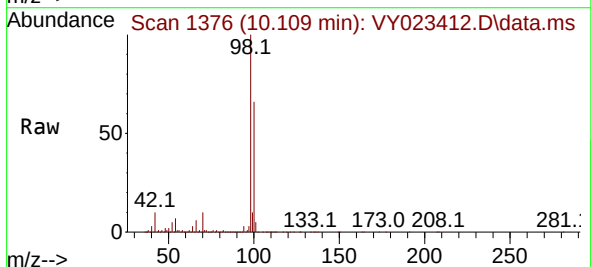
Instrument :
MSVOA_Y
ClientSampleId :
72-11989

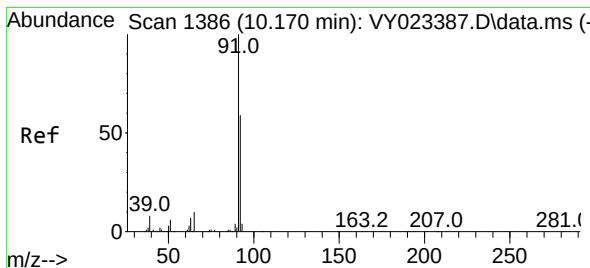
Tgt Ion:113 Resp: 417925
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.6
192 22.9 18.0 27.0



#50
Toluene-d8
Concen: 52.506 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023412.D
Acq: 09 Oct 2025 11:00

Tgt Ion: 98 Resp: 1523411
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4





#52

Toluene

Concen: 21.989 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY023412.D

Acq: 09 Oct 2025 11:00

Instrument :

MSVOA_Y

ClientSampleId :

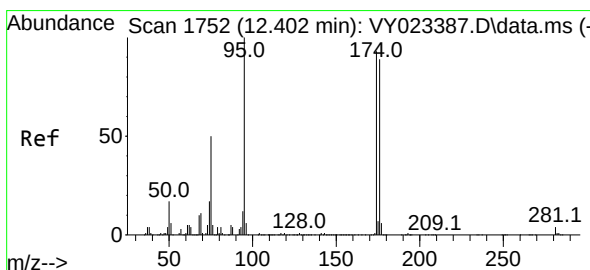
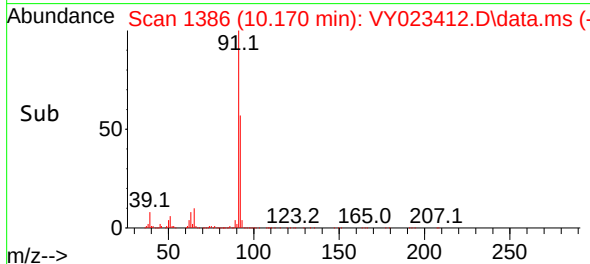
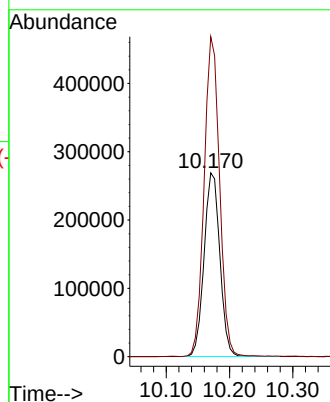
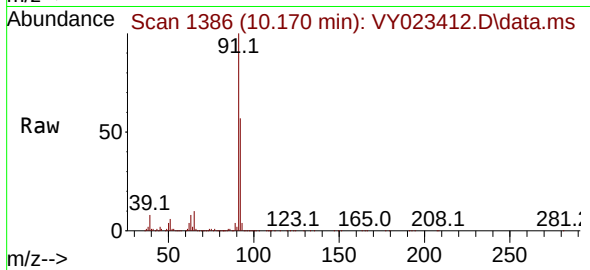
72-11989

Tgt Ion: 92 Resp: 466354

Ion Ratio Lower Upper

92 100

91 171.1 136.4 204.6



#62

4-Bromofluorobenzene

Concen: 54.024 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023412.D

Acq: 09 Oct 2025 11:00

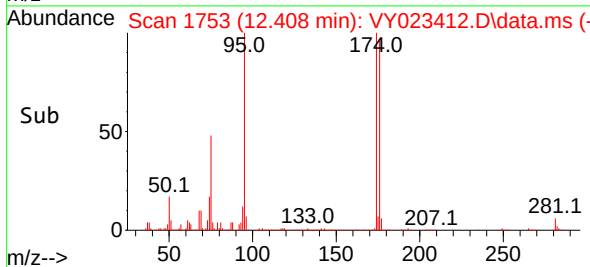
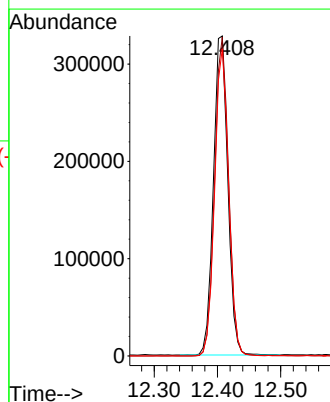
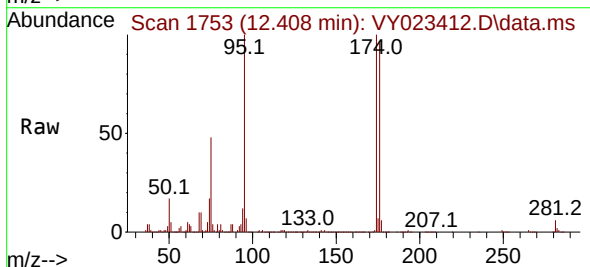
Tgt Ion: 95 Resp: 517495

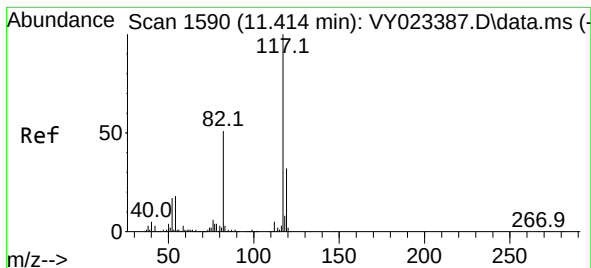
Ion Ratio Lower Upper

95 100

174 97.4 0.0 192.8

176 93.8 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023412.D

Acq: 09 Oct 2025 11:00

Instrument :

MSVOA_Y

ClientSampleId :

72-11989

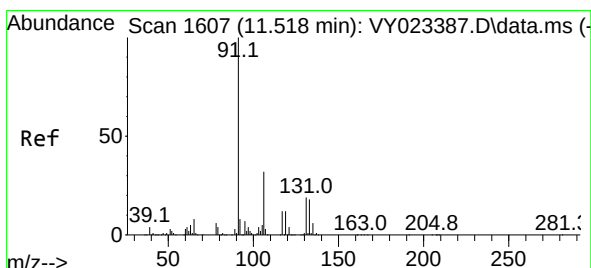
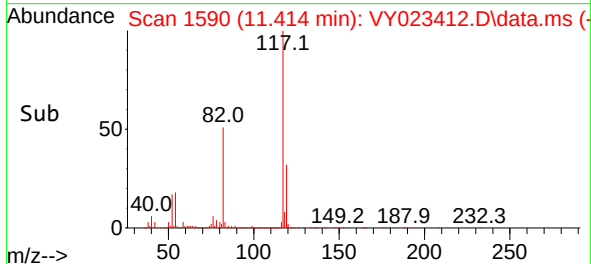
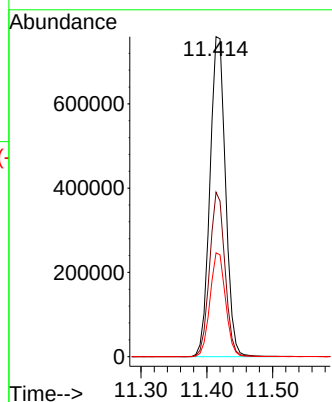
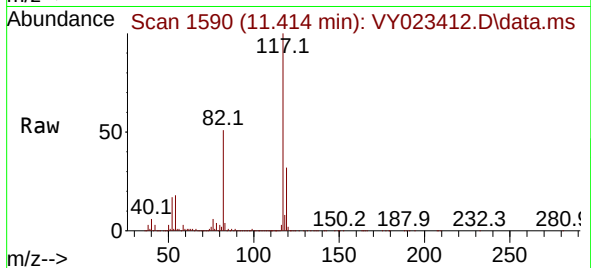
Tgt Ion:117 Resp: 1251859

Ion Ratio Lower Upper

117 100

82 51.4 41.0 61.4

119 32.4 25.6 38.4



#67

Ethyl Benzene

Concen: 4.259 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023412.D

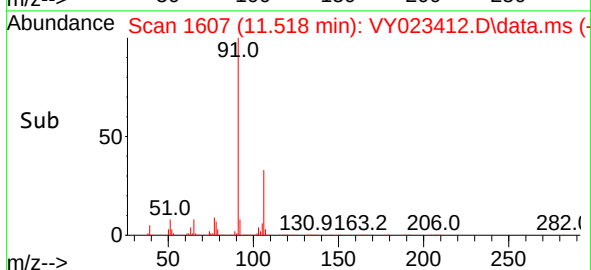
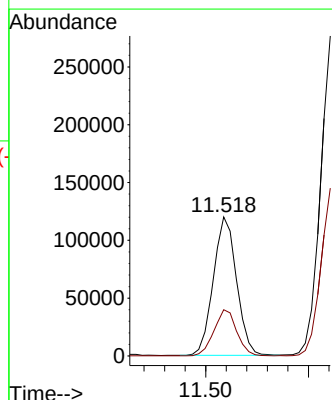
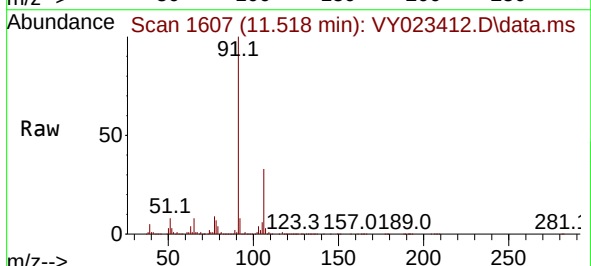
Acq: 09 Oct 2025 11:00

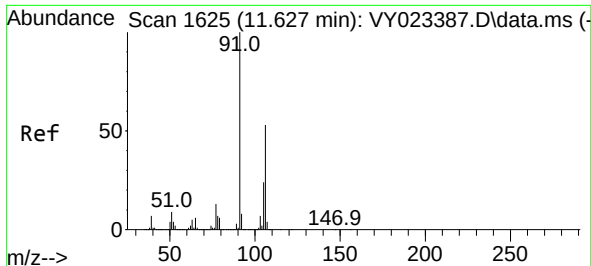
Tgt Ion: 91 Resp: 187697

Ion Ratio Lower Upper

91 100

106 33.3 25.8 38.8

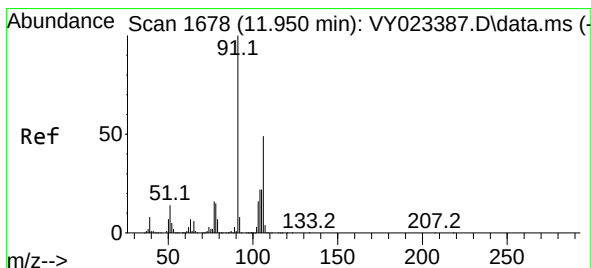
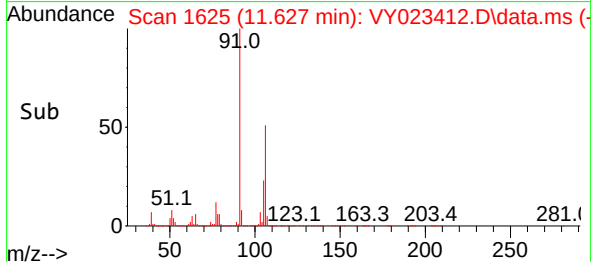
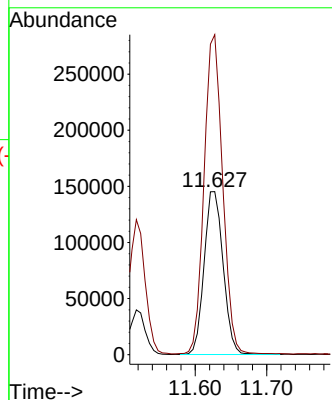
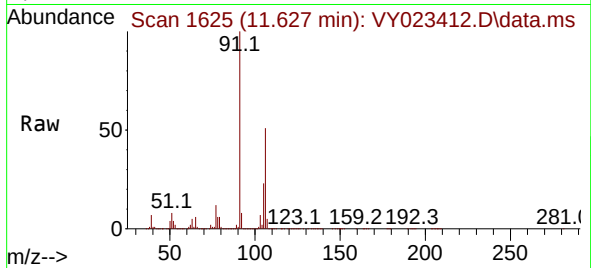




#68
m/p-Xylenes
Concen: 15.151 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023412.D
Acq: 09 Oct 2025 11:00

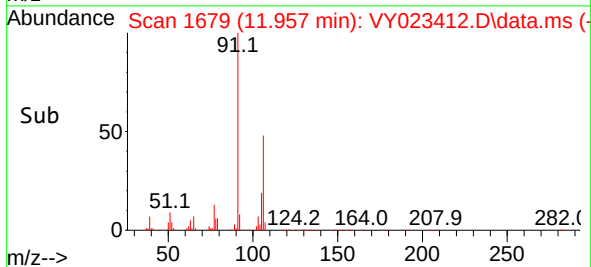
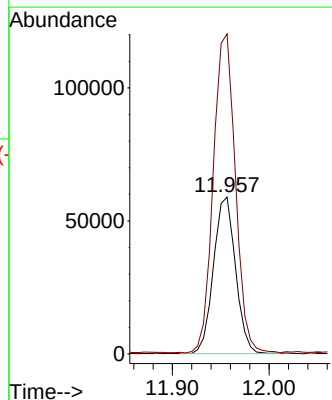
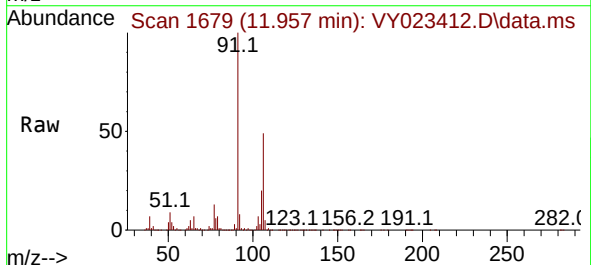
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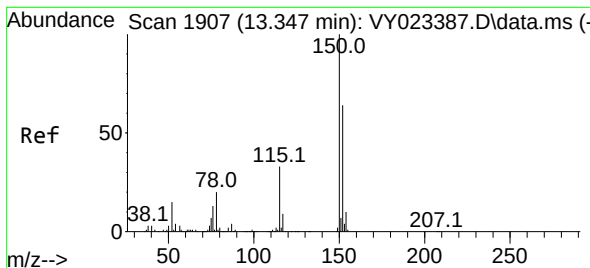
Tgt Ion:106 Resp: 267829
Ion Ratio Lower Upper
106 100
91 191.7 152.6 229.0



#69
o-Xylene
Concen: 5.622 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY023412.D
Acq: 09 Oct 2025 11:00

Tgt Ion:106 Resp: 93211
Ion Ratio Lower Upper
106 100
91 203.8 101.4 304.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023412.D

Acq: 09 Oct 2025 11:00

Instrument :

MSVOA_Y

ClientSampleId :

72-11989

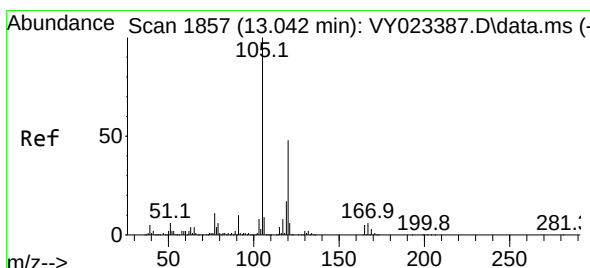
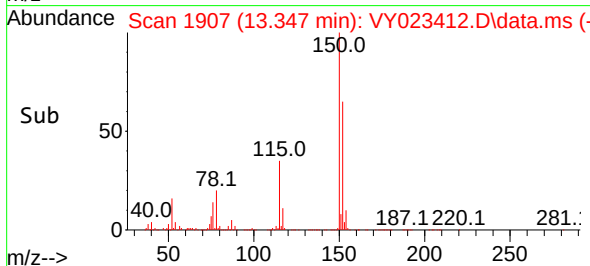
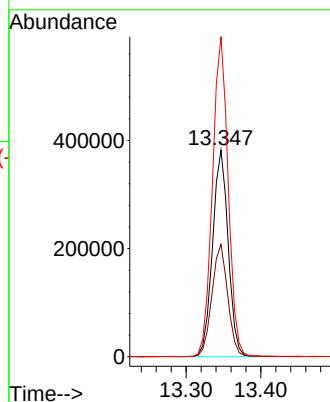
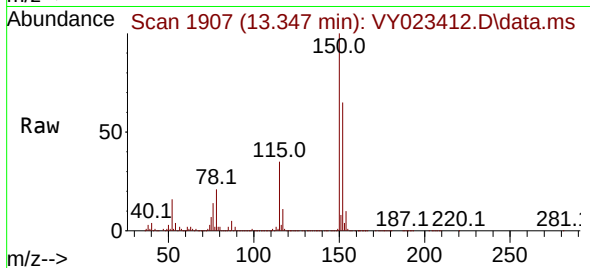
Tgt Ion:152 Resp: 555934

Ion Ratio Lower Upper

152 100

115 54.8 27.1 81.2

150 155.8 0.0 347.4



#84

1,2,4-Trimethylbenzene

Concen: 1.777 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY023412.D

Acq: 09 Oct 2025 11:00

Tgt Ion:105 Resp: 52495

Ion Ratio Lower Upper

105 100

120 49.1 23.8 71.2

