

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022090.D
 Acq On : 30 Apr 2025 18:16
 Operator : SY/MD
 Sample : Q1901-05
 Misc : 5.52g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-170-SB02

Quant Time: May 01 01:39:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

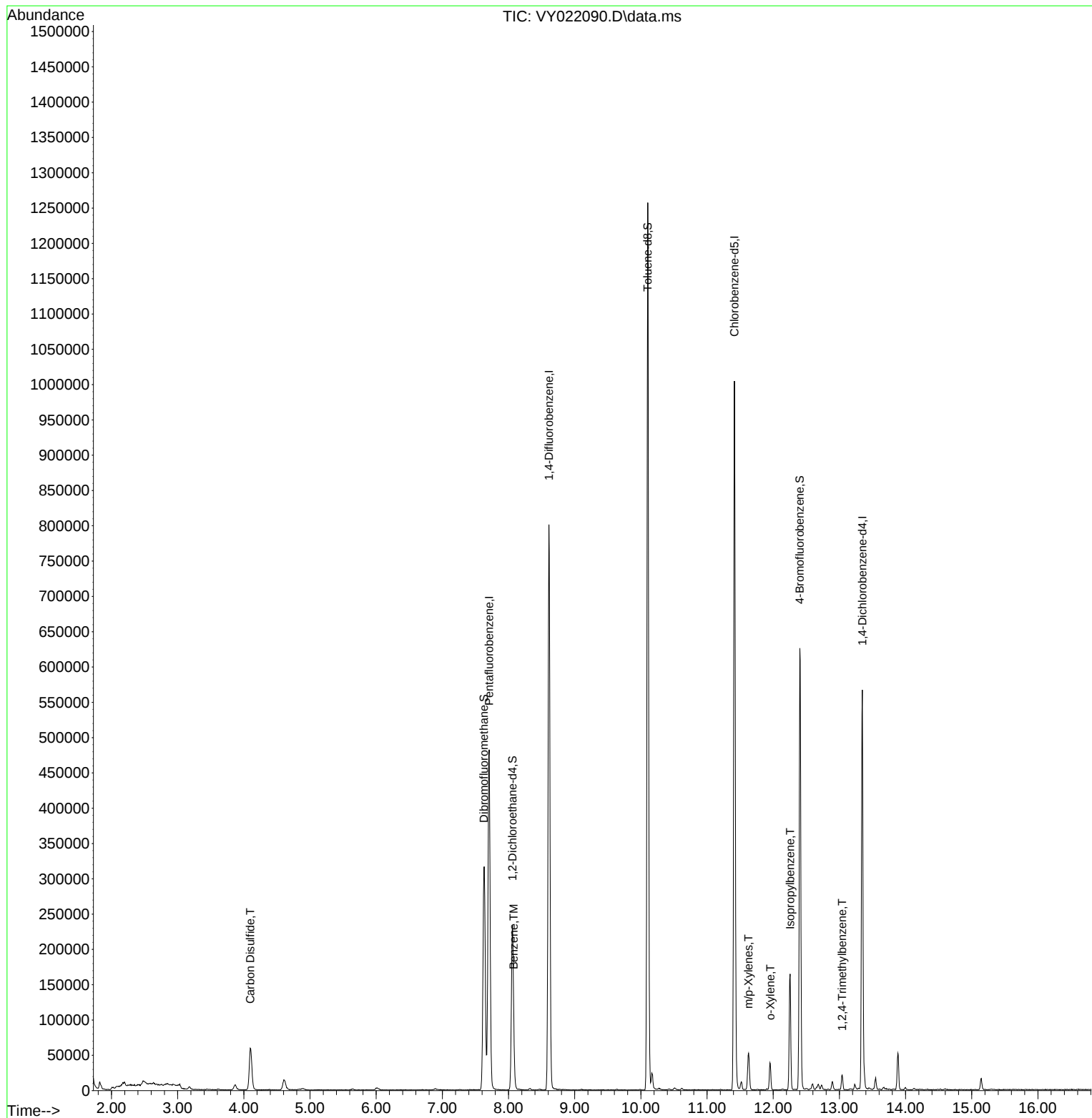
Internal Standards						
1) Pentafluorobenzene	7.707	168	384809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	709625	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	563942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	150773	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	176326	49.608	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.220%		
35) Dibromofluoromethane	7.628	113	233310	49.766	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.540%		
50) Toluene-d8	10.103	98	825206	46.689	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.380%		
62) 4-Bromofluorobenzene	12.402	95	196123	32.962	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	65.920%		
Target Compounds						
17) Carbon Disulfide	4.098	76	126155	10.343	ug/l	98
40) Benzene	8.079	78	25594	1.300	ug/l	97
68) m/p-Xylenes	11.627	106	14972	1.824	ug/l	96
69) o-Xylene	11.957	106	10754	1.421	ug/l	96
73) Isopropylbenzene	12.255	105	101940	10.120	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	10477	1.262	ug/l	88

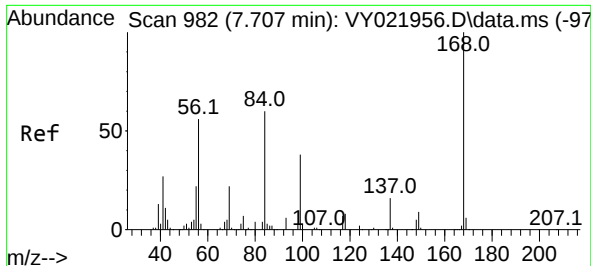
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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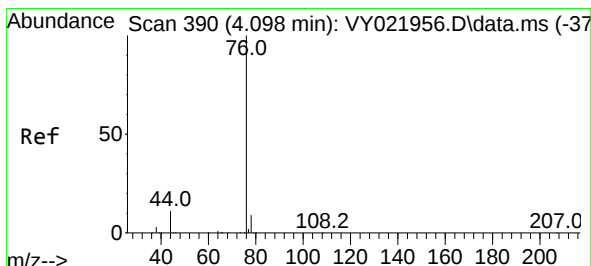
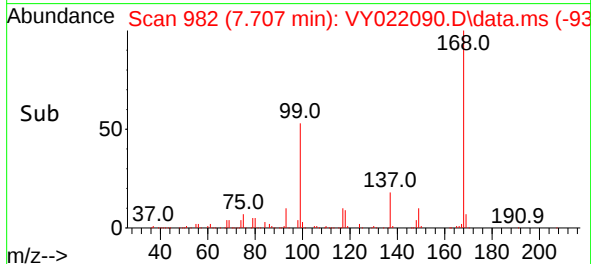
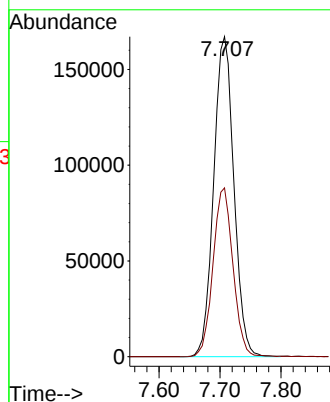
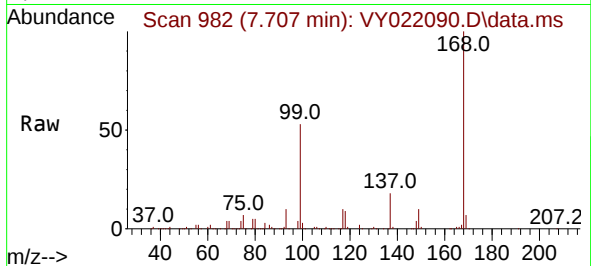




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022090.D
Acq: 30 Apr 2025 18:16

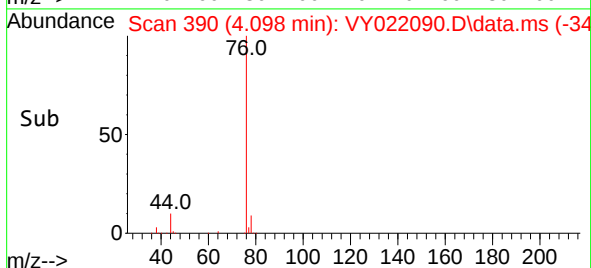
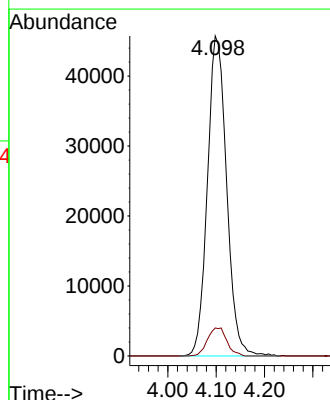
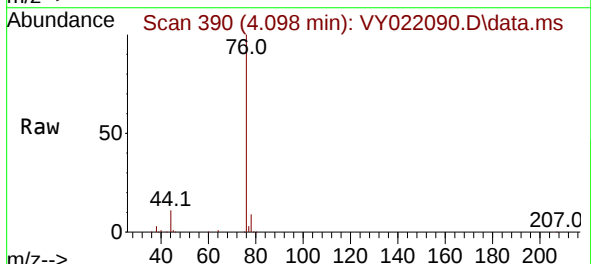
Instrument :
MSVOA_Y
ClientSampleId :
B-170-SB02

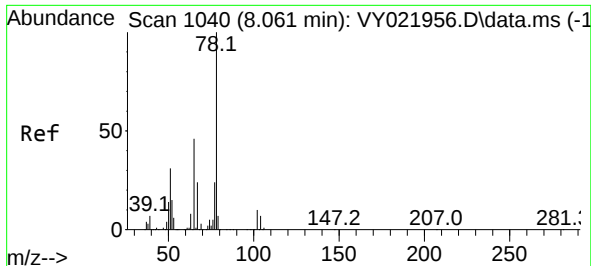
Tgt Ion:168 Resp: 384809
Ion Ratio Lower Upper
168 100
99 52.7 43.1 64.7



#17
Carbon Disulfide
Concen: 10.343 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY022090.D
Acq: 30 Apr 2025 18:16

Tgt Ion: 76 Resp: 126155
Ion Ratio Lower Upper
76 100
78 8.7 7.6 11.4





#33

1,2-Dichloroethane-d4

Concen: 49.608 ug/l

RT: 8.061 min Scan# 1100

Delta R.T. -0.000 min

Lab File: VY022090.D

Acq: 30 Apr 2025 18:16

Instrument :

MSVOA_Y

ClientSampleId :

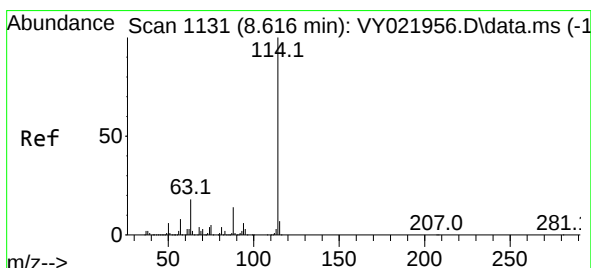
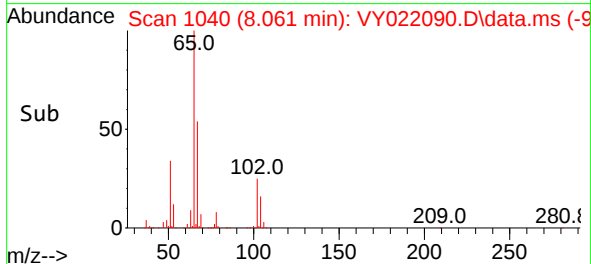
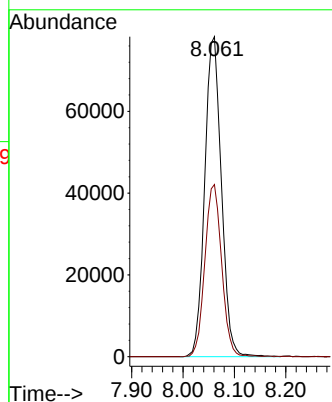
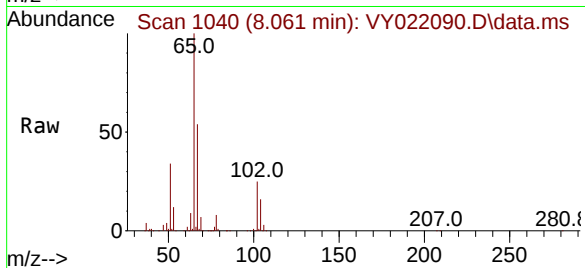
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Tgt Ion: 65 Resp: 176326

Ion Ratio Lower Upper

65 100

67 54.2 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022090.D

Acq: 30 Apr 2025 18:16

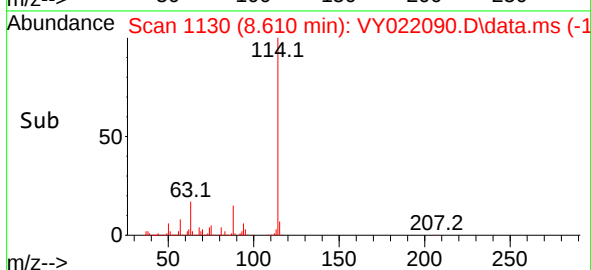
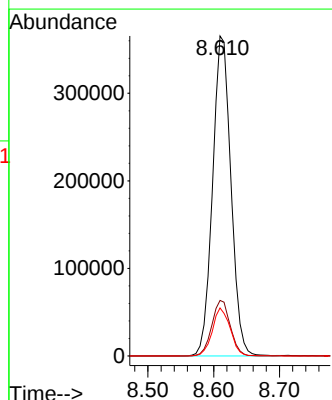
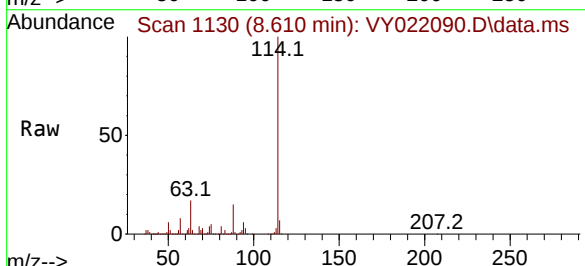
Tgt Ion: 114 Resp: 709625

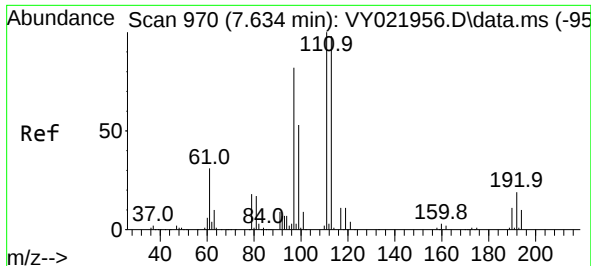
Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.4

88 15.0 0.0 28.2

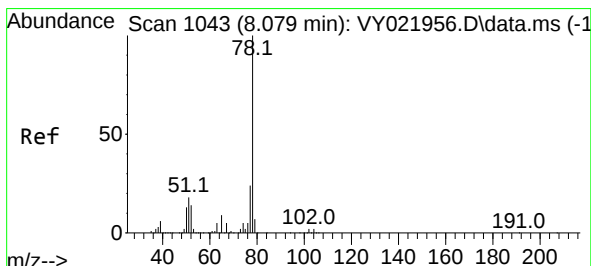
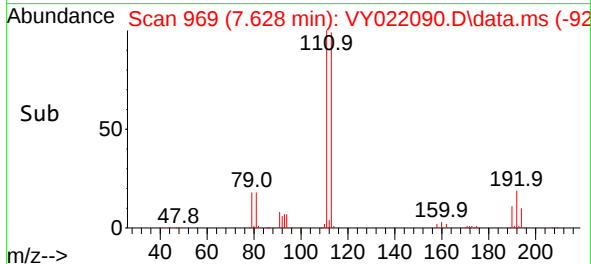
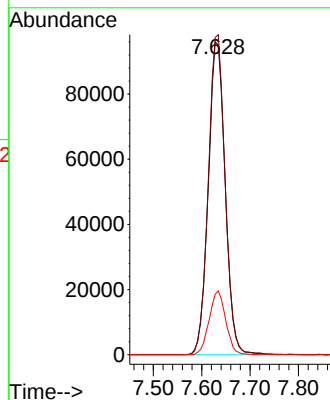
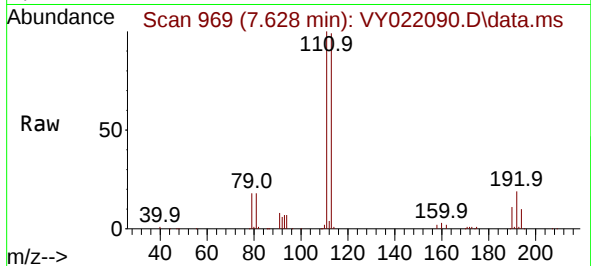




#35
Dibromofluoromethane
Concen: 49.766 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY022090.D
Acq: 30 Apr 2025 18:16

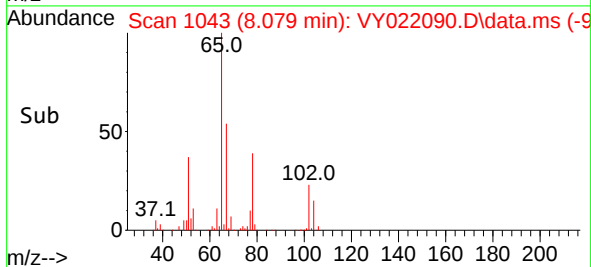
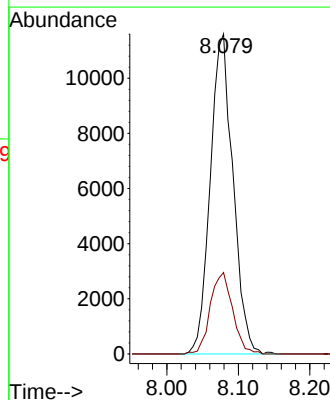
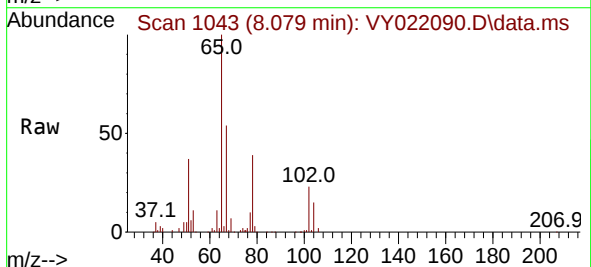
Instrument :
MSVOA_Y
ClientSampleId :
B-170-SB02

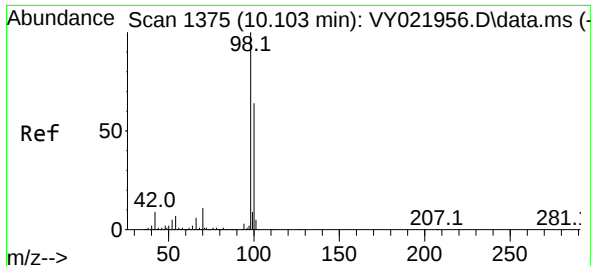
Tgt Ion:113 Resp: 233310
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.8
192 19.9 15.6 23.4



#40
Benzene
Concen: 1.300 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022090.D
Acq: 30 Apr 2025 18:16

Tgt Ion: 78 Resp: 25594
Ion Ratio Lower Upper
78 100
77 25.4 19.3 28.9

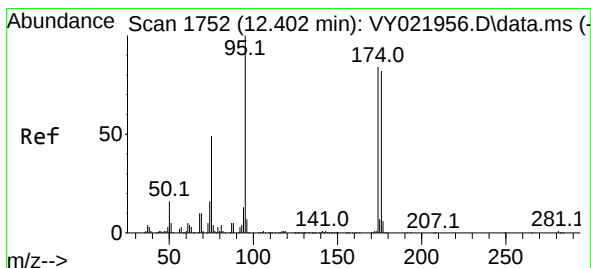
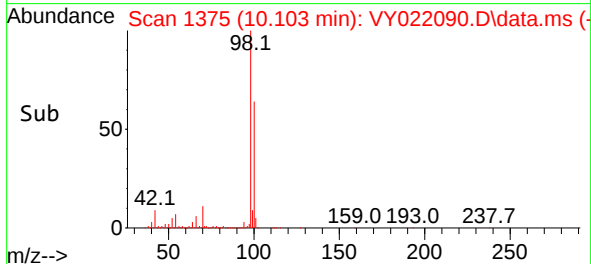
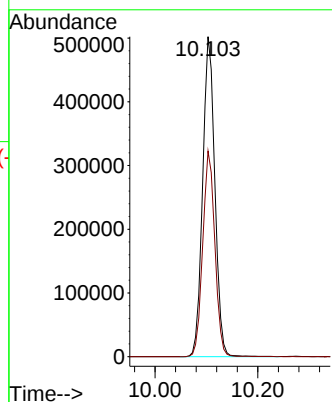
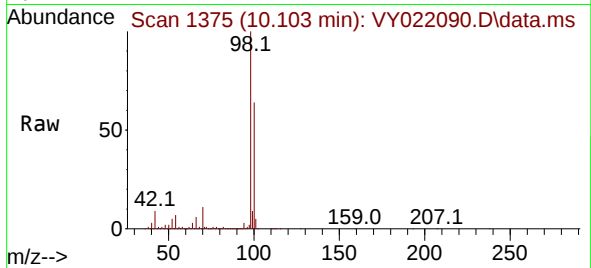




#50
Toluene-d8
Concen: 46.689 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022090.D
Acq: 30 Apr 2025 18:16

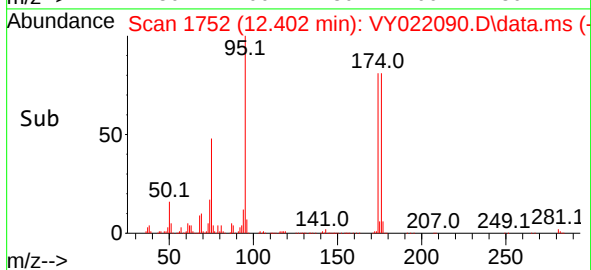
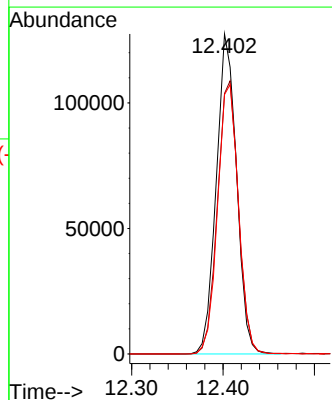
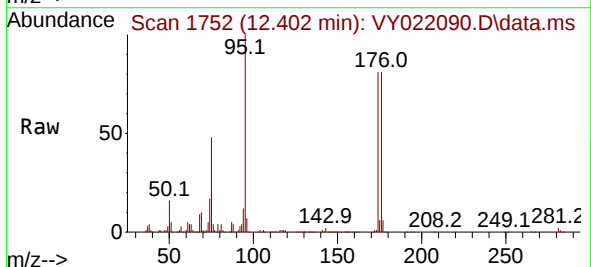
Instrument :
MSVOA_Y
ClientSampleId :
B-170-SB02

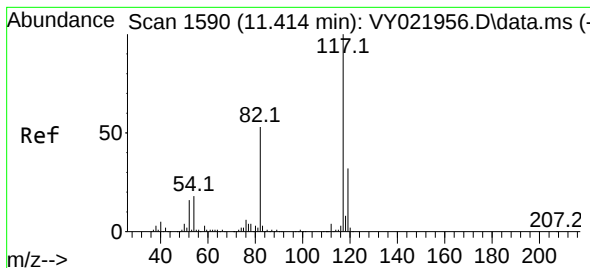
Tgt Ion: 98 Resp: 825206
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 32.962 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022090.D
Acq: 30 Apr 2025 18:16

Tgt Ion: 95 Resp: 196123
Ion Ratio Lower Upper
95 100
174 88.1 0.0 179.0
176 86.9 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY022090.D

Acq: 30 Apr 2025 18:16

Instrument :

MSVOA_Y

ClientSampleId :

B-170-SB02

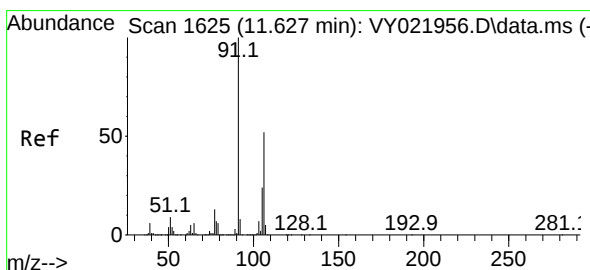
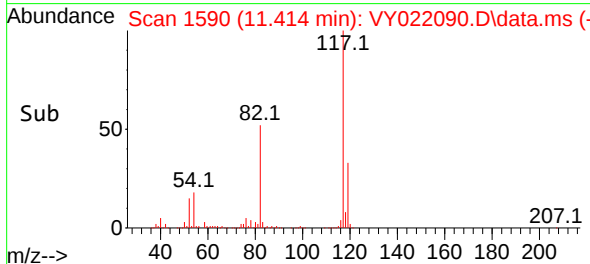
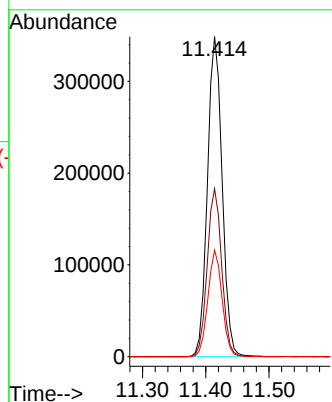
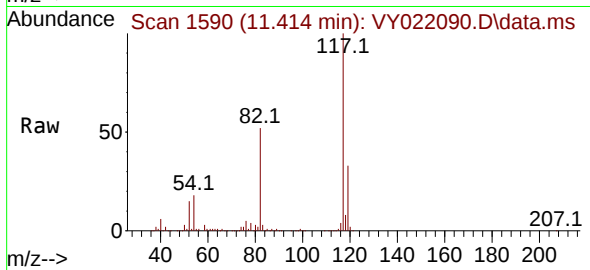
Tgt Ion:117 Resp: 563942

Ion Ratio Lower Upper

117 100

82 52.5 42.1 63.1

119 33.3 25.7 38.5



#68

m/p-Xylenes

Concen: 1.824 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY022090.D

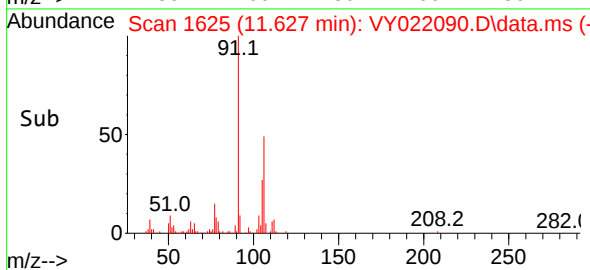
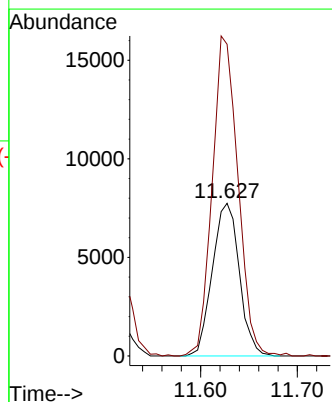
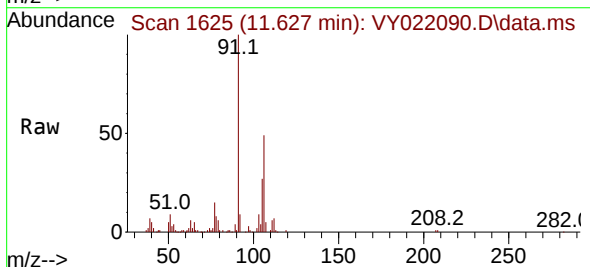
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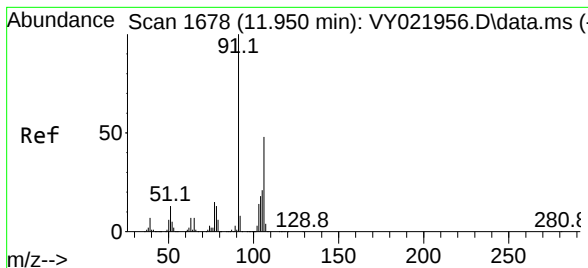
Tgt Ion:106 Resp: 14972

Ion Ratio Lower Upper

106 100

91 200.6 156.2 234.2





#69

o-Xylene

Concen: 1.421 ug/l

RT: 11.957 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022090.D

Acq: 30 Apr 2025 18:16

Instrument :

MSVOA_Y

ClientSampleId :

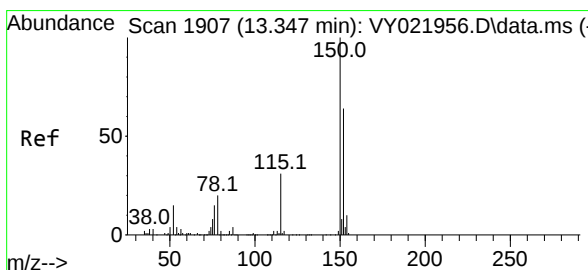
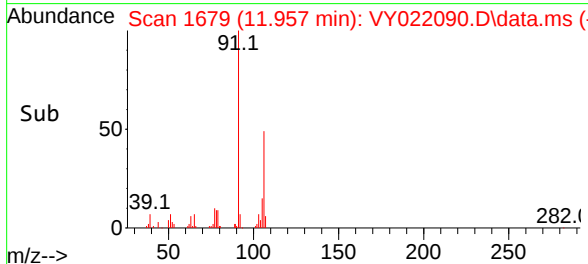
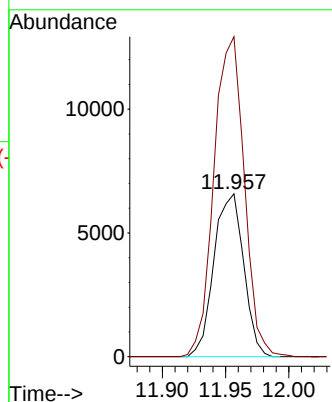
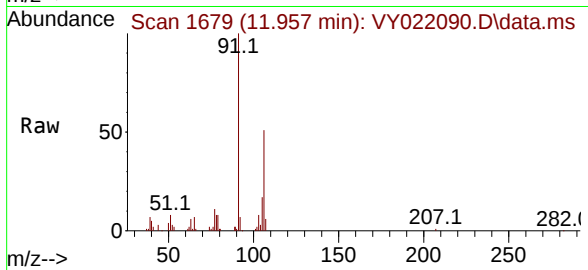
B-170-SB02

Tgt Ion:106 Resp: 10754

Ion Ratio Lower Upper

106 100

91 200.2 103.0 308.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022090.D

Acq: 30 Apr 2025 18:16

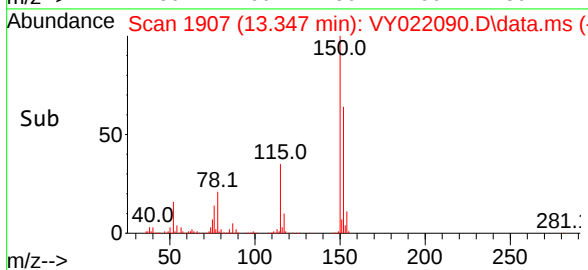
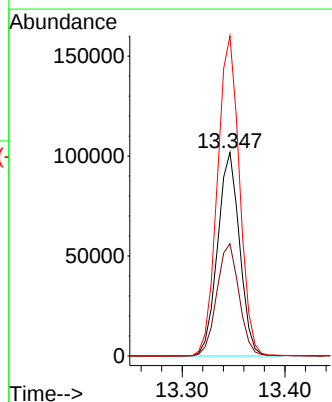
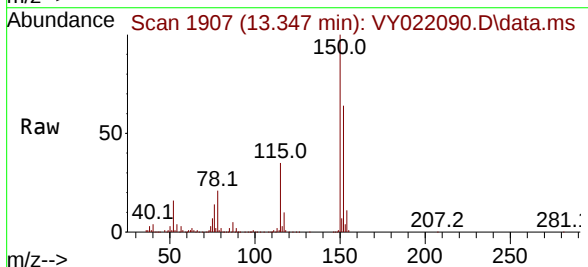
Tgt Ion:152 Resp: 150773

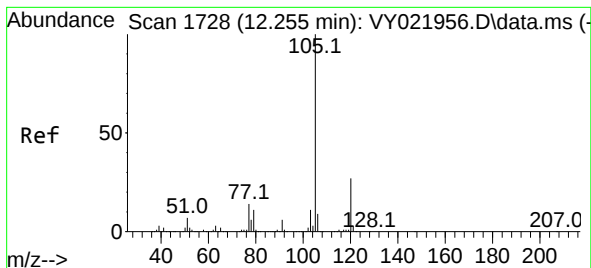
Ion Ratio Lower Upper

152 100

115 56.3 28.0 84.0

150 158.4 0.0 345.6





#73

Isopropylbenzene

Concen: 10.120 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.000 min

Lab File: VY022090.D

Acq: 30 Apr 2025 18:16

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ClientSampleId :

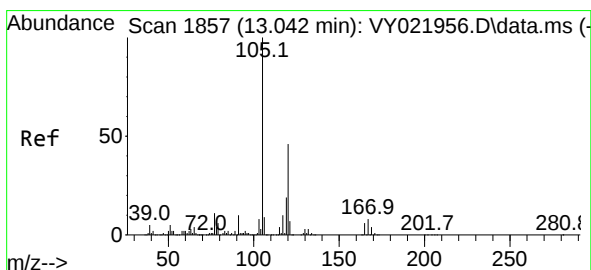
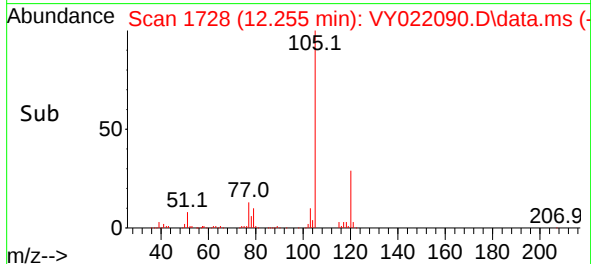
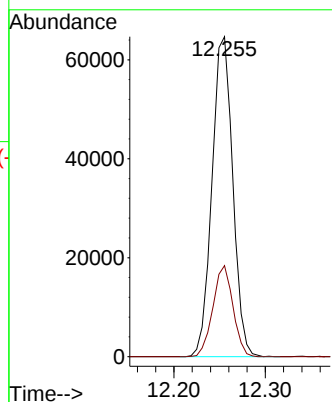
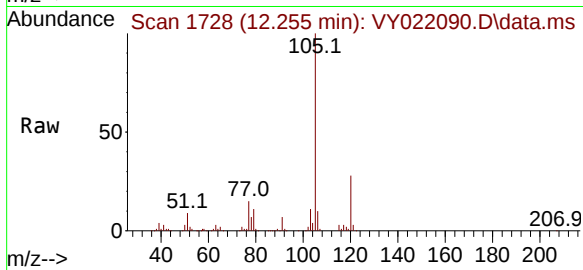
B-170-SB02

Tgt Ion:105 Resp: 101940

Ion Ratio Lower Upper

105 100

120 27.5 13.5 40.5



#84

1,2,4-Trimethylbenzene

Concen: 1.262 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY022090.D

Acq: 30 Apr 2025 18:16

Tgt Ion:105 Resp: 10477

Ion Ratio Lower Upper

105 100

120 54.6 23.4 70.0

