

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022162.D
 Acq On : 05 May 2025 16:18
 Operator : SY/MD
 Sample : Q1956-01
 Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB1-3-4

Quant Time: May 06 05:22:41 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)

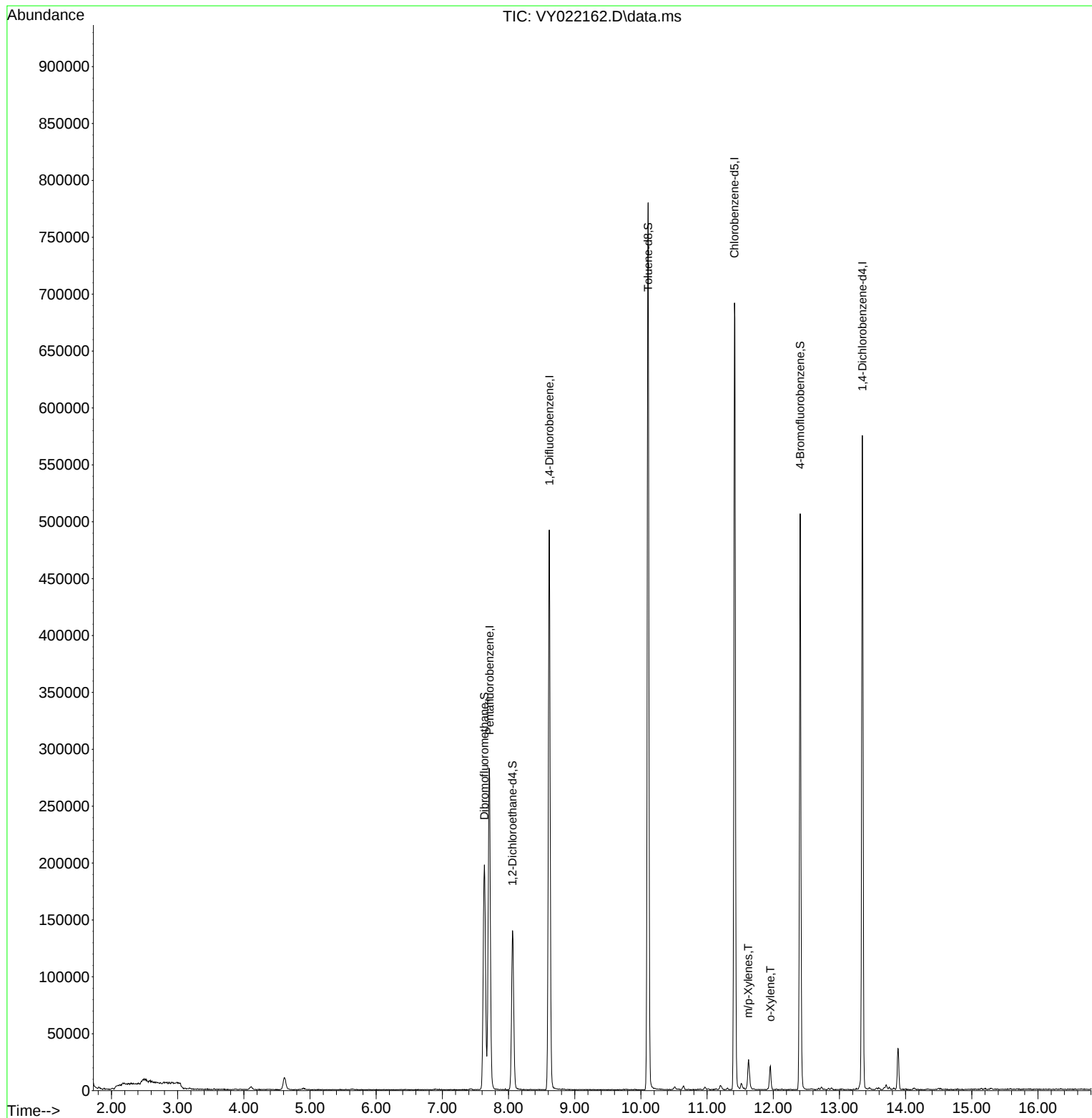
Internal Standards						
1) Pentafluorobenzene	7.713	168	219011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	424575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	385973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	144961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112587	55.654	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.300%
35) Dibromofluoromethane	7.634	113	147167	52.467	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.940%
50) Toluene-d8	10.109	98	523177	49.474	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.940%
62) 4-Bromofluorobenzene	12.408	95	146528	41.161	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.320%
Target Compounds						
					Qvalue	
68) m/p-Xylenes	11.621	106	7493	1.334	ug/l	99
69) o-Xylene	11.957	106	5554	1.073	ug/l	96

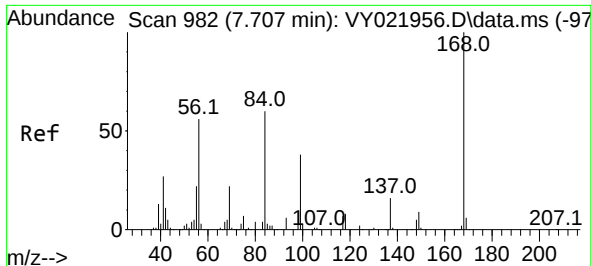
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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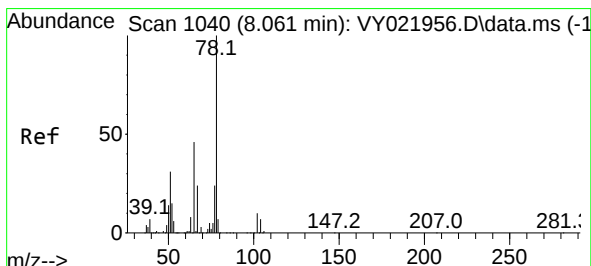
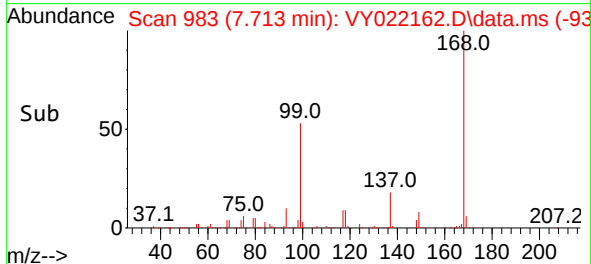
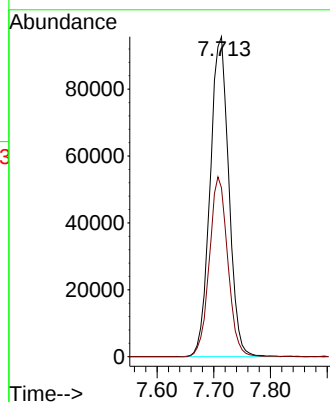
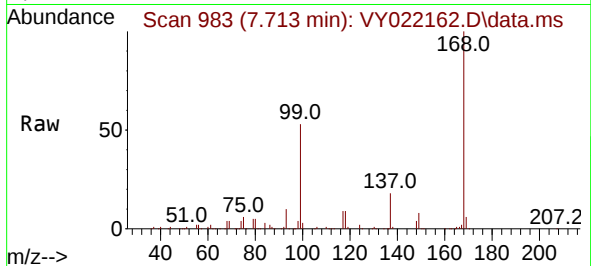




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

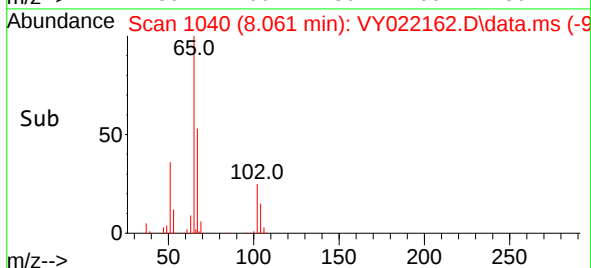
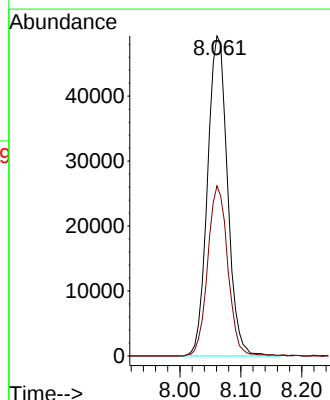
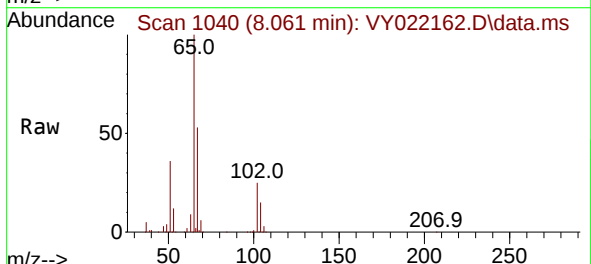
Instrument :
MSVOA_Y
ClientSampleId :
SB1-3-4

Tgt Ion:168 Resp: 219011
Ion Ratio Lower Upper
168 100
99 52.7 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 55.654 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Tgt Ion: 65 Resp: 112587
Ion Ratio Lower Upper
65 100
67 53.4 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: VY022162.D

Acq: 05 May 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

SB1-3-4

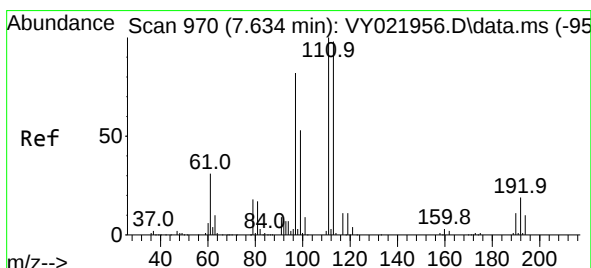
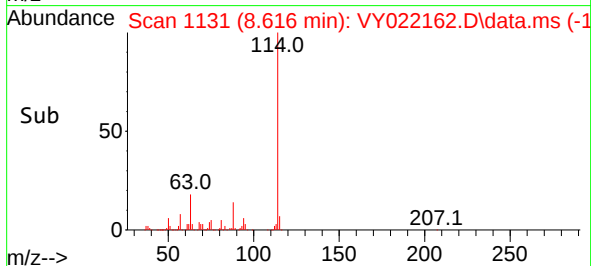
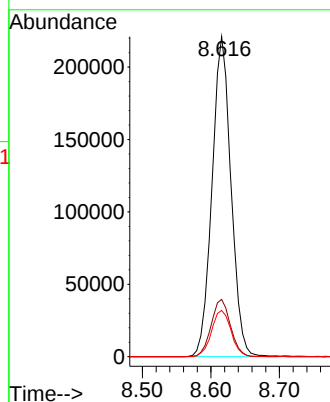
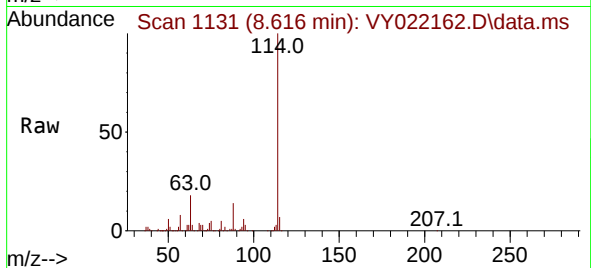
Tgt Ion:114 Resp: 424575

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.4

88 14.5 0.0 28.2



#35

Dibromofluoromethane

Concen: 52.467 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022162.D

Acq: 05 May 2025 16:18

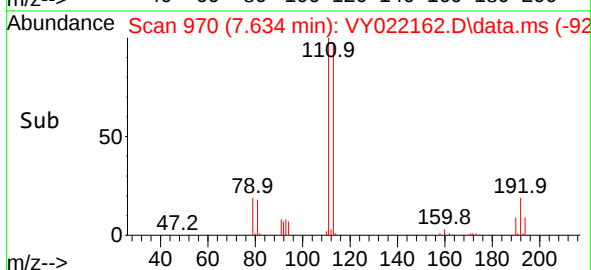
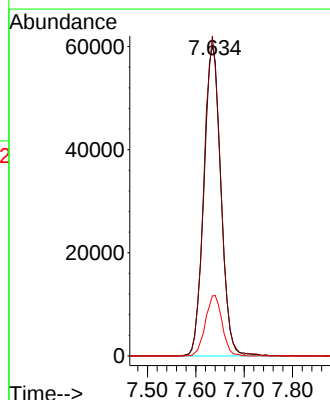
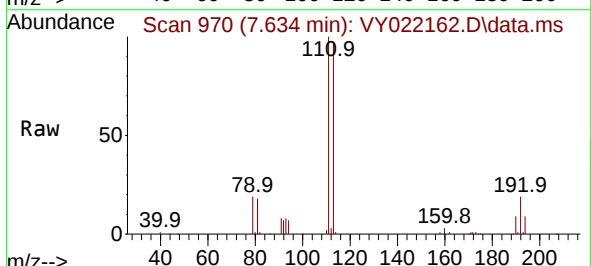
Tgt Ion:113 Resp: 147167

Ion Ratio Lower Upper

113 100

111 100.7 81.8 122.8

192 19.1 15.6 23.4

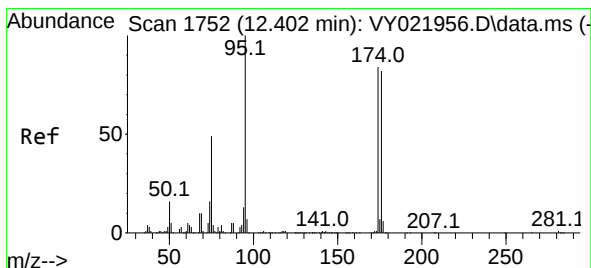
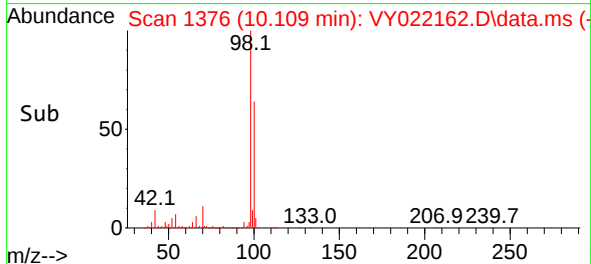
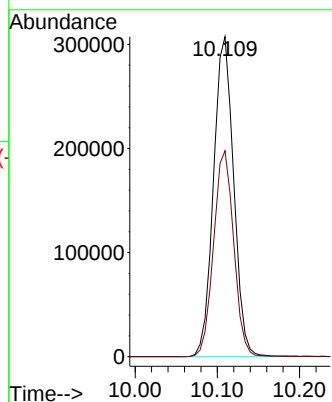
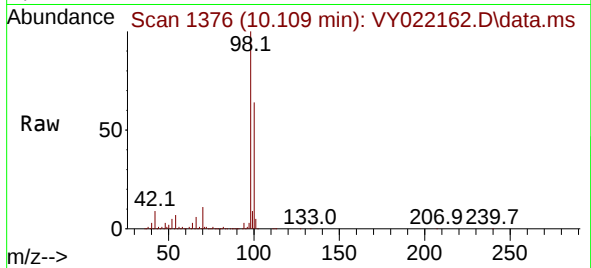




#50
Toluene-d8
Concen: 49.474 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

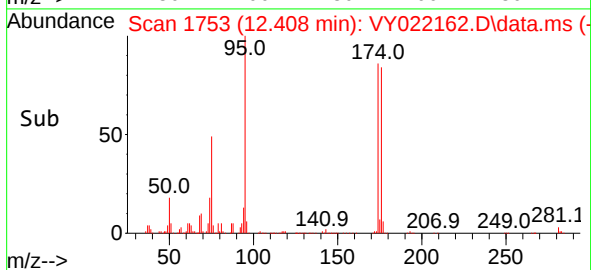
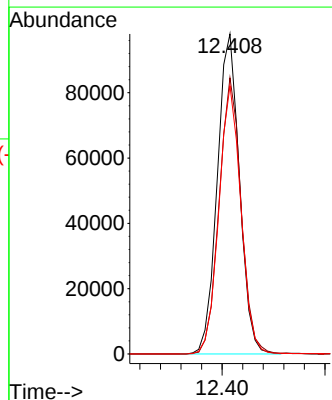
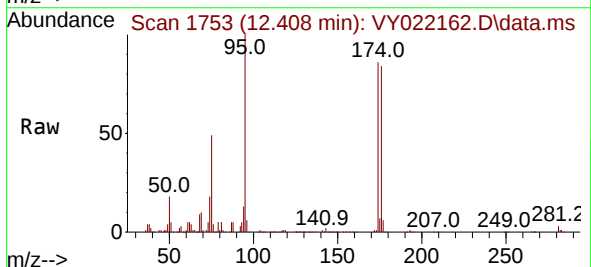
Instrument :
MSVOA_Y
ClientSampleId :
SB1-3-4

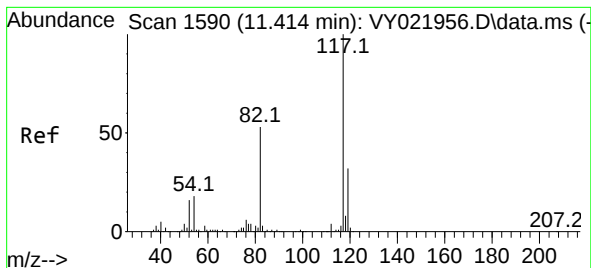
Tgt Ion: 98 Resp: 523177
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 41.161 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Tgt Ion: 95 Resp: 146528
Ion Ratio Lower Upper
95 100
174 85.7 0.0 179.0
176 83.2 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022162.D

Acq: 05 May 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

SB1-3-4

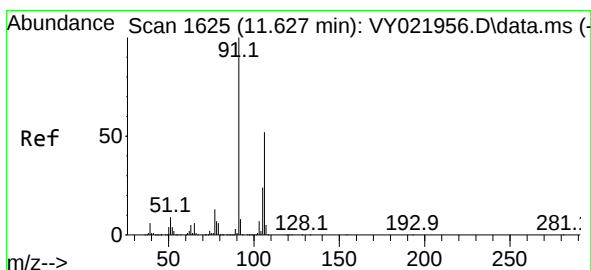
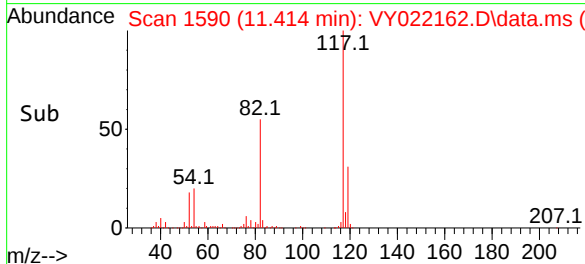
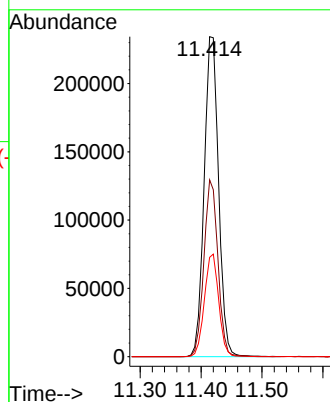
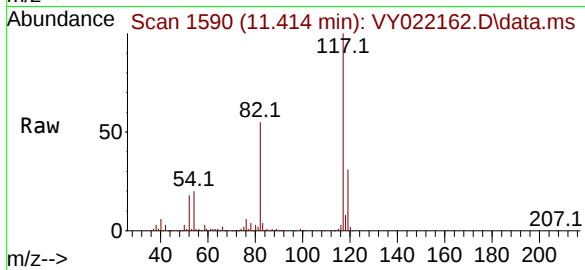
Tgt Ion:117 Resp: 385973

Ion Ratio Lower Upper

117 100

82 55.2 42.1 63.1

119 31.0 25.7 38.5



#68

m/p-Xylenes

Concen: 1.334 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. -0.006 min

Lab File: VY022162.D

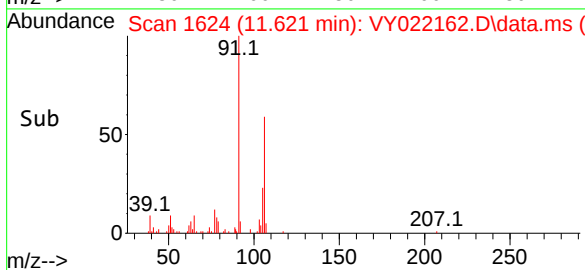
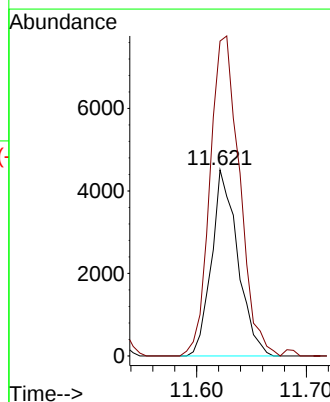
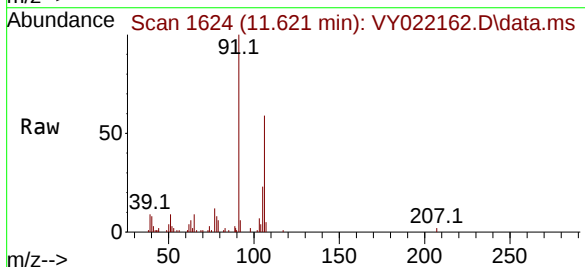
Acq: 05 May 2025 16:18

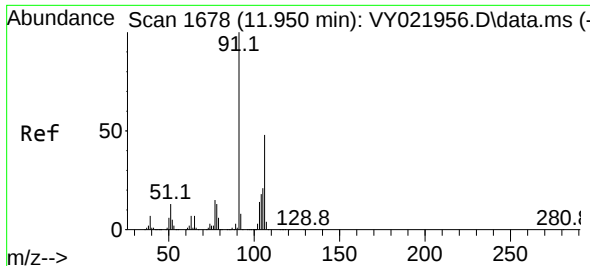
Tgt Ion:106 Resp: 7493

Ion Ratio Lower Upper

106 100

91 194.1 156.2 234.2

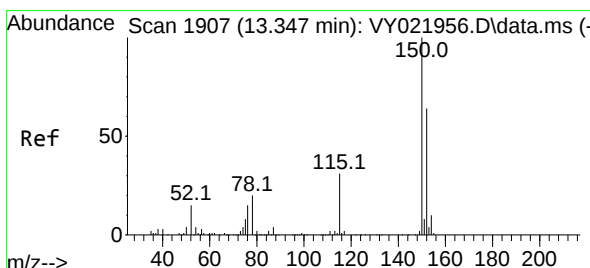
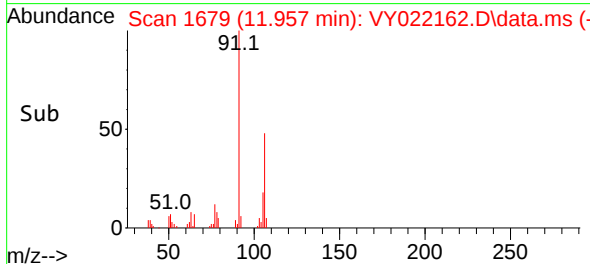
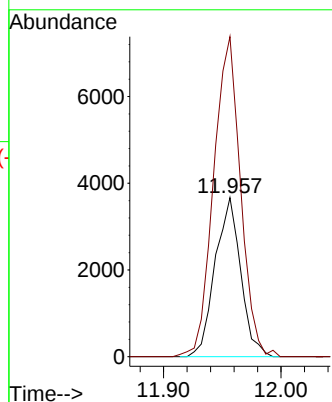
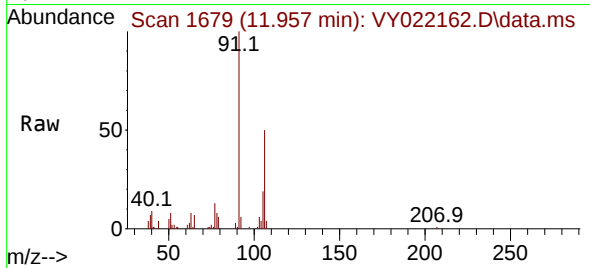




#69
o-Xylene
Concen: 1.073 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Instrument :
MSVOA_Y
ClientSampleId :
SB1-3-4

Tgt Ion:106 Resp: 5554
Ion Ratio Lower Upper
106 100
91 211.7 103.0 308.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022162.D
Acq: 05 May 2025 16:18

Tgt Ion:152 Resp: 144961
Ion Ratio Lower Upper
152 100
115 58.0 28.0 84.0
150 156.9 0.0 345.6

