

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022326.D
 Acq On : 19 May 2025 18:06
 Operator : SY/MD
 Sample : Q2056-01
 Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GVD11

Quant Time: May 20 01:17:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

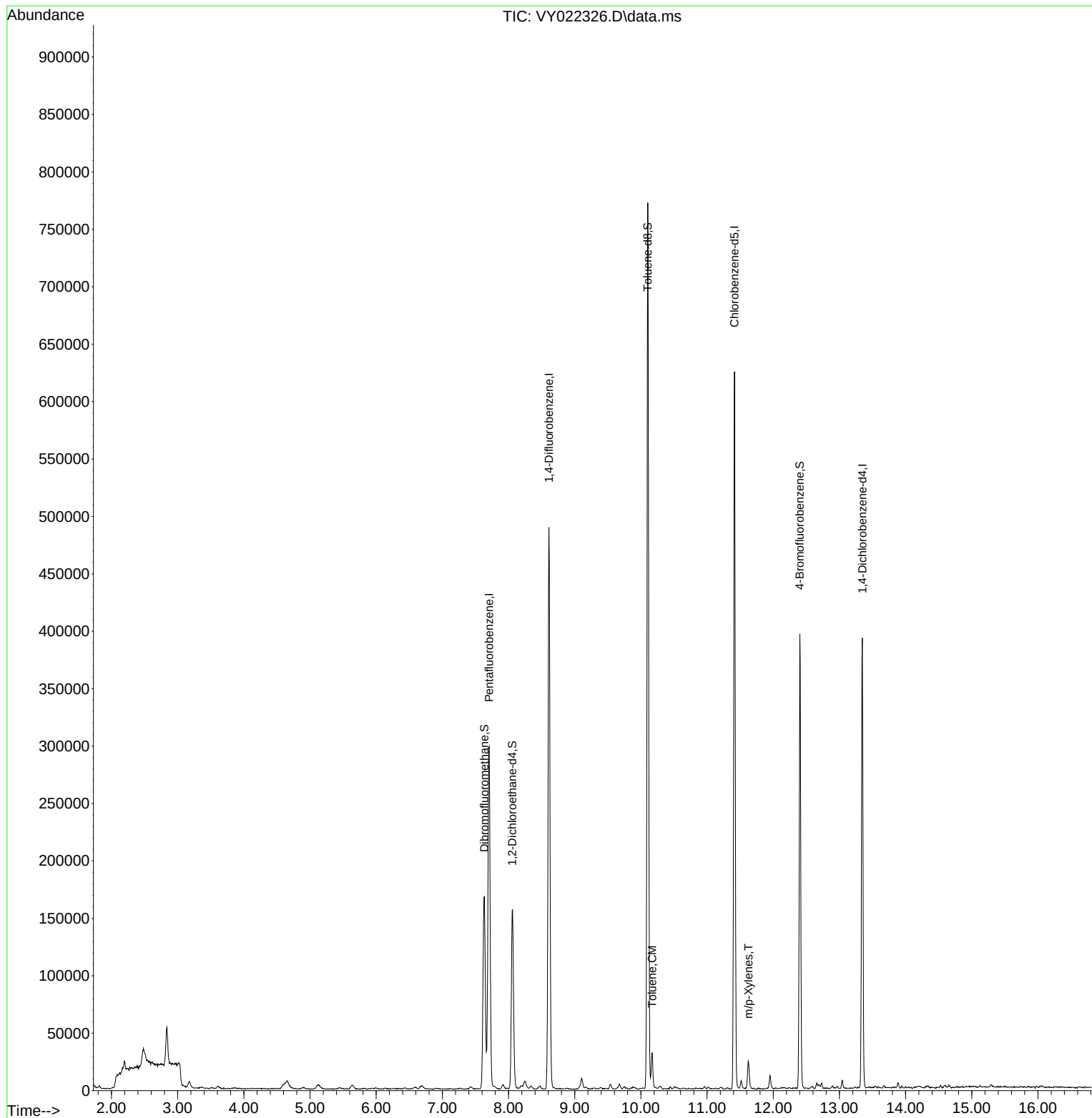
Internal Standards						
1) Pentafluorobenzene	7.707	168	223481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	406573	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	303031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	89910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	118272	48.424	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.840%
35) Dibromofluoromethane	7.634	113	119461	49.228	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.460%
50) Toluene-d8	10.103	98	475704	47.864	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.720%
62) 4-Bromofluorobenzene	12.402	95	110208	34.985	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.960%
Target Compounds						
					Qvalue	
52) Toluene	10.170	92	11893	1.585	ug/l	96
68) m/p-Xylenes	11.627	106	6737	1.396	ug/l	95

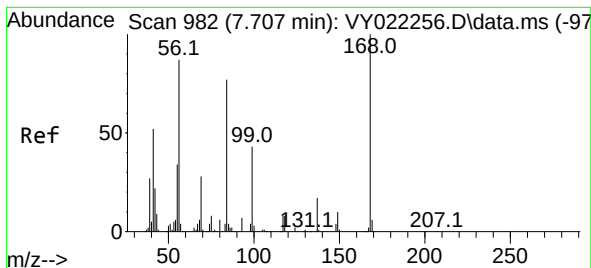
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY022326.D

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Instrument :

MSVOA_Y

ClientSampleId :

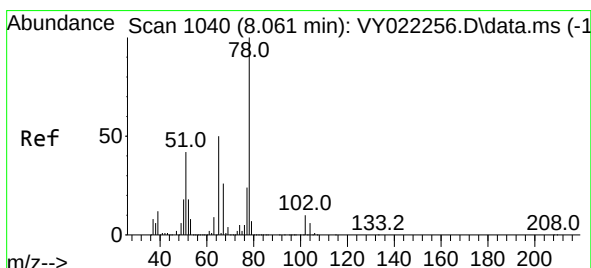
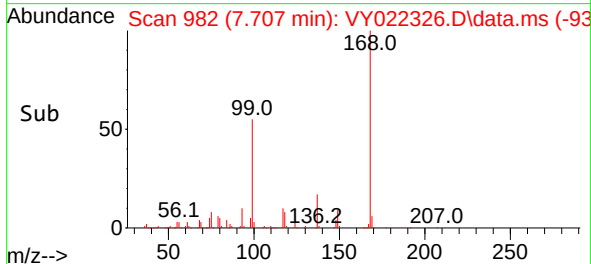
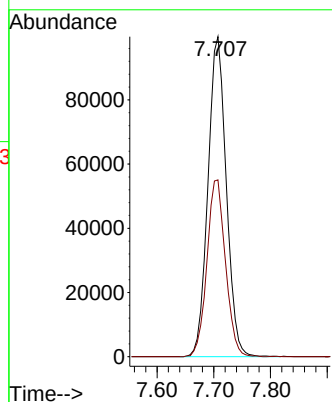
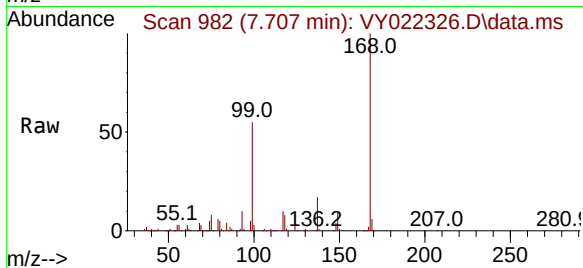
GVD11

Tgt Ion:168 Resp: 223481

Ion Ratio Lower Upper

168 100

99 55.3 44.2 66.4



#33

1,2-Dichloroethane-d4

Concen: 48.424 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY022326.D

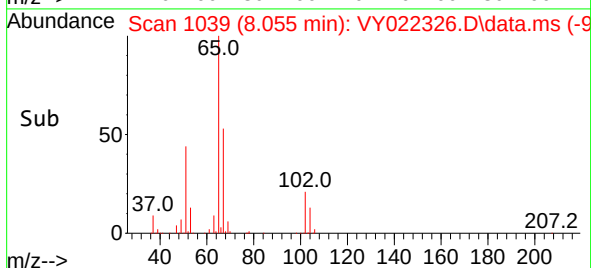
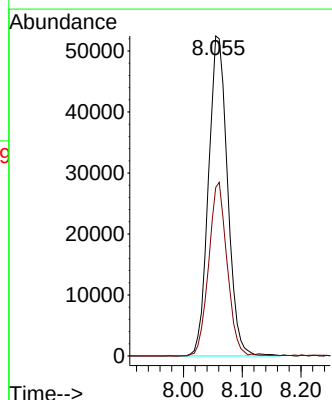
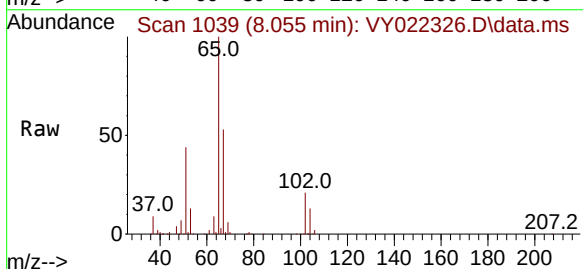
Acq: 19 May 2025 18:06

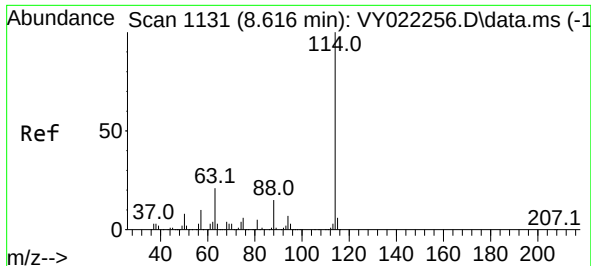
Tgt Ion: 65 Resp: 118272

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.6

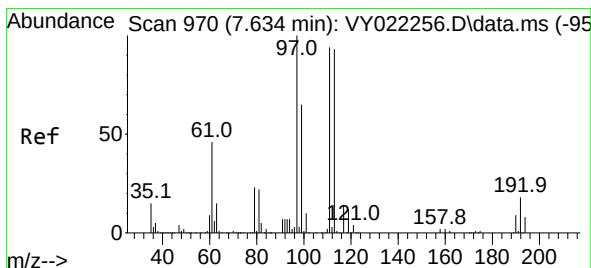
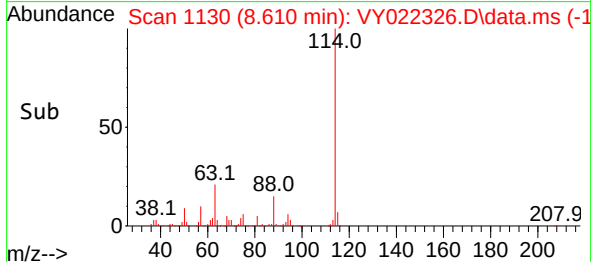
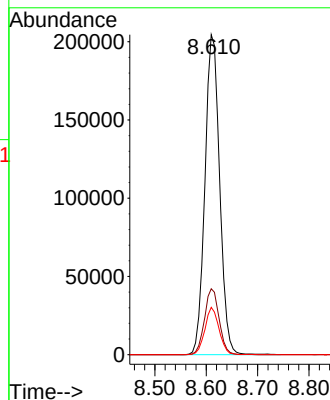
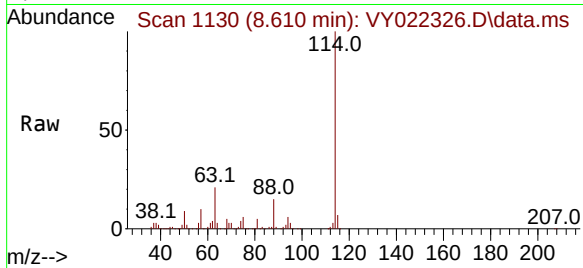




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022326.D
Acq: 19 May 2025 18:06

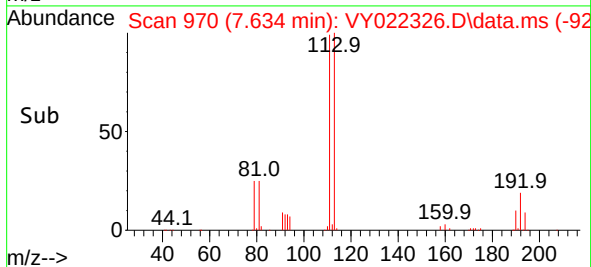
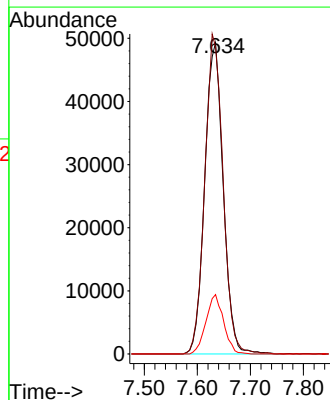
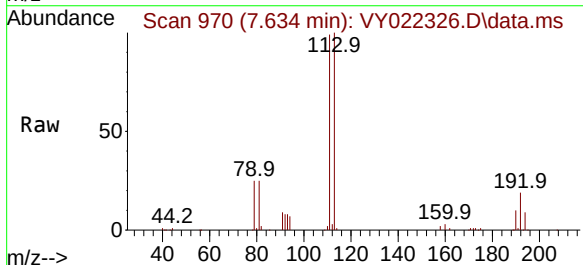
Instrument :
MSVOA_Y
ClientSampleId :
GVD11

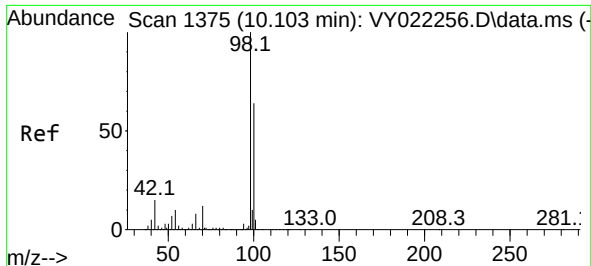
Tgt Ion:114 Resp: 406573
Ion Ratio Lower Upper
114 100
63 20.6 0.0 41.0
88 14.8 0.0 29.4



#35
Dibromofluoromethane
Concen: 49.228 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022326.D
Acq: 19 May 2025 18:06

Tgt Ion:113 Resp: 119461
Ion Ratio Lower Upper
113 100
111 101.4 82.6 123.8
192 18.2 15.2 22.8

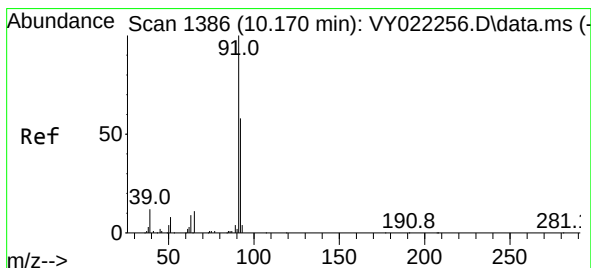
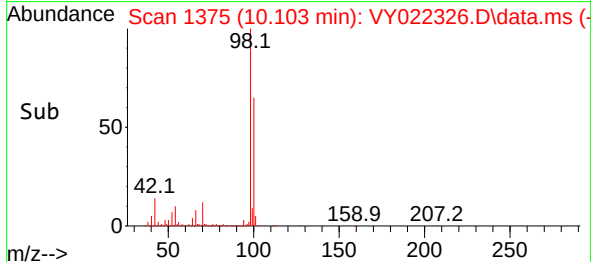
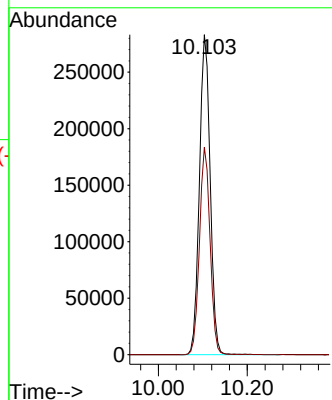
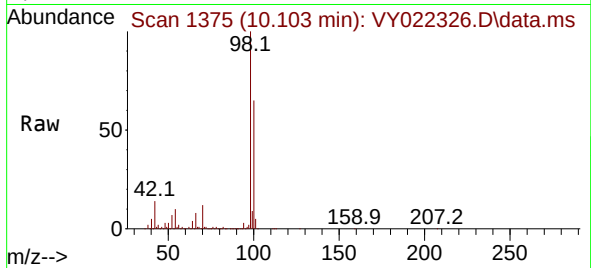




#50
Toluene-d8
Concen: 47.864 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022326.D
Acq: 19 May 2025 18:06

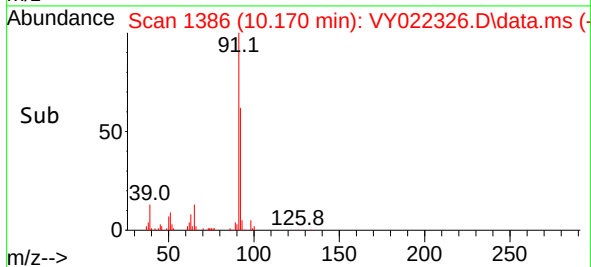
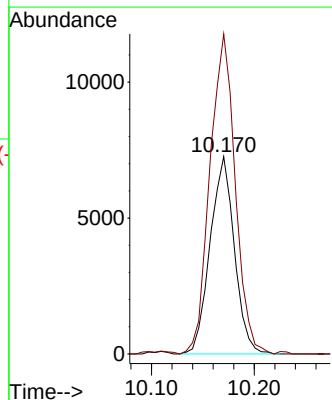
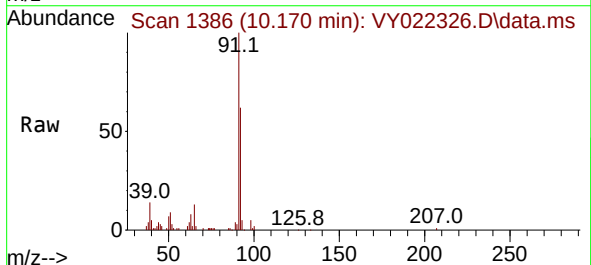
Instrument :
MSVOA_Y
ClientSampleId :
GVD11

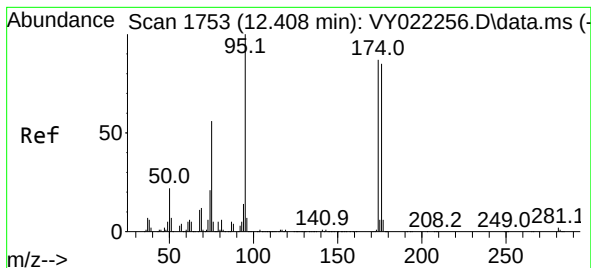
Tgt Ion: 98 Resp: 475704
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.8



#52
Toluene
Concen: 1.585 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022326.D
Acq: 19 May 2025 18:06

Tgt Ion: 92 Resp: 11893
Ion Ratio Lower Upper
92 100
91 168.9 139.1 208.7

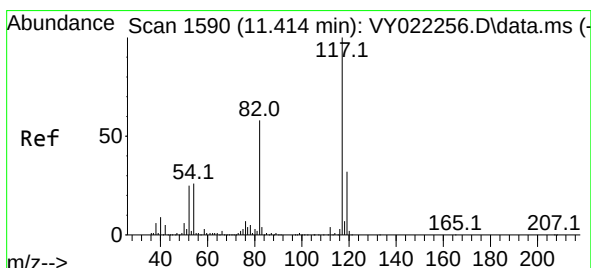
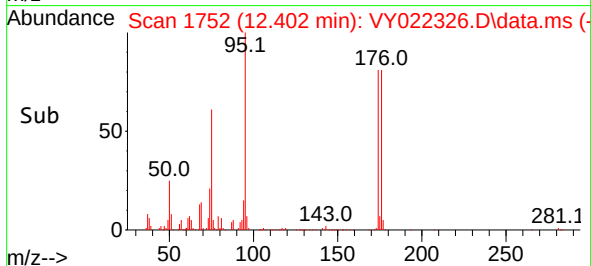
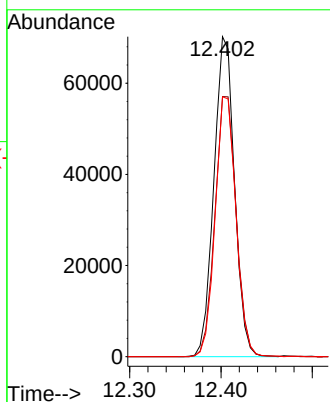
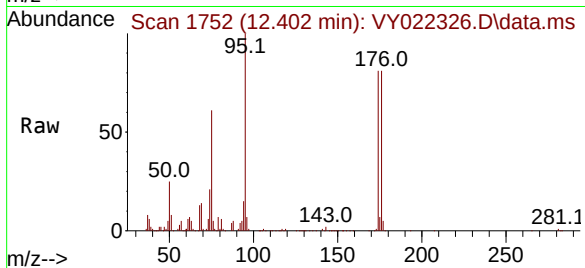




#62
4-Bromofluorobenzene
Concen: 34.985 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022326.D
Acq: 19 May 2025 18:06

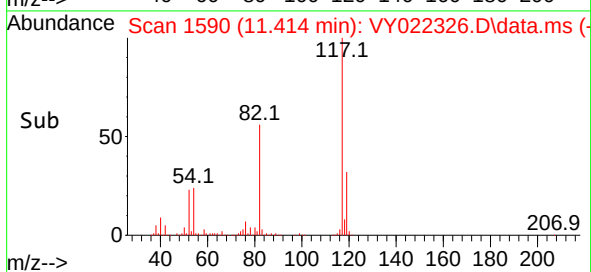
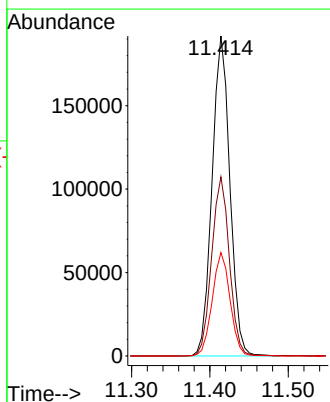
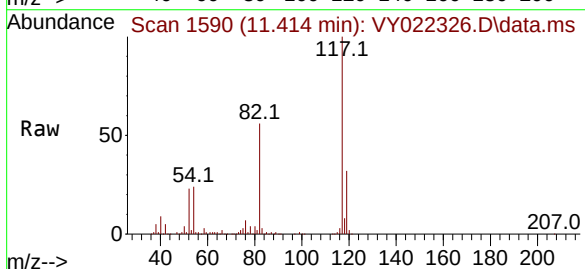
Instrument :
MSVOA_Y
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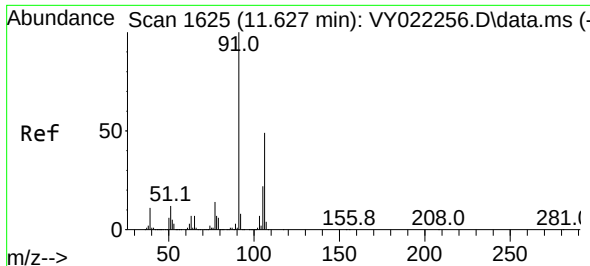
Tgt Ion: 95 Resp: 110208
Ion Ratio Lower Upper
95 100
174 83.6 0.0 166.8
176 81.8 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022326.D
Acq: 19 May 2025 18:06

Tgt Ion: 117 Resp: 303031
Ion Ratio Lower Upper
117 100
82 56.0 46.6 70.0
119 32.3 25.8 38.6

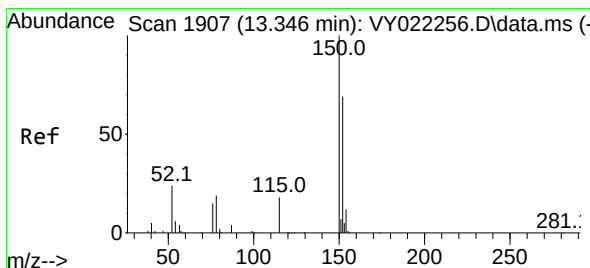
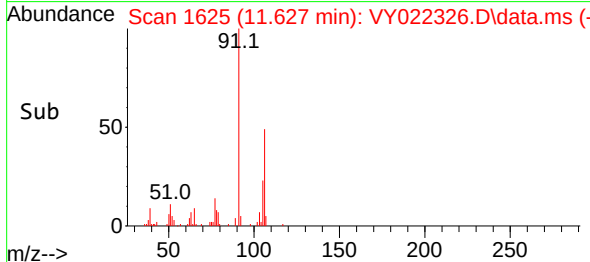
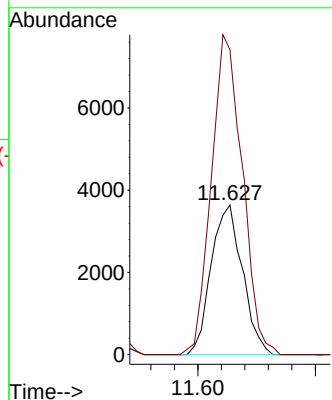
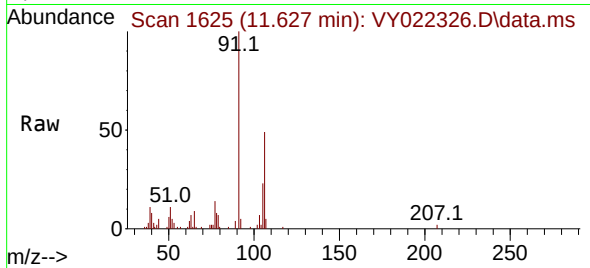




#68
m/p-Xylenes
Concen: 1.396 ug/l
RT: 11.627 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022326.D
Acq: 19 May 2025 18:06

Instrument :
MSVOA_Y
ClientSampleId :
GVD11

Tgt Ion:106 Resp: 6737
Ion Ratio Lower Upper
106 100
91 211.9 163.0 244.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022326.D
Acq: 19 May 2025 18:06

Tgt Ion:152 Resp: 89910
Ion Ratio Lower Upper
152 100
115 59.2 29.4 88.2
150 160.7 0.0 353.8

