

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023344.D
 Acq On : 11 Sep 2025 12:57
 Operator : SY/MD
 Sample : Q3075-10
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-02563

Quant Time: Sep 12 01:26:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

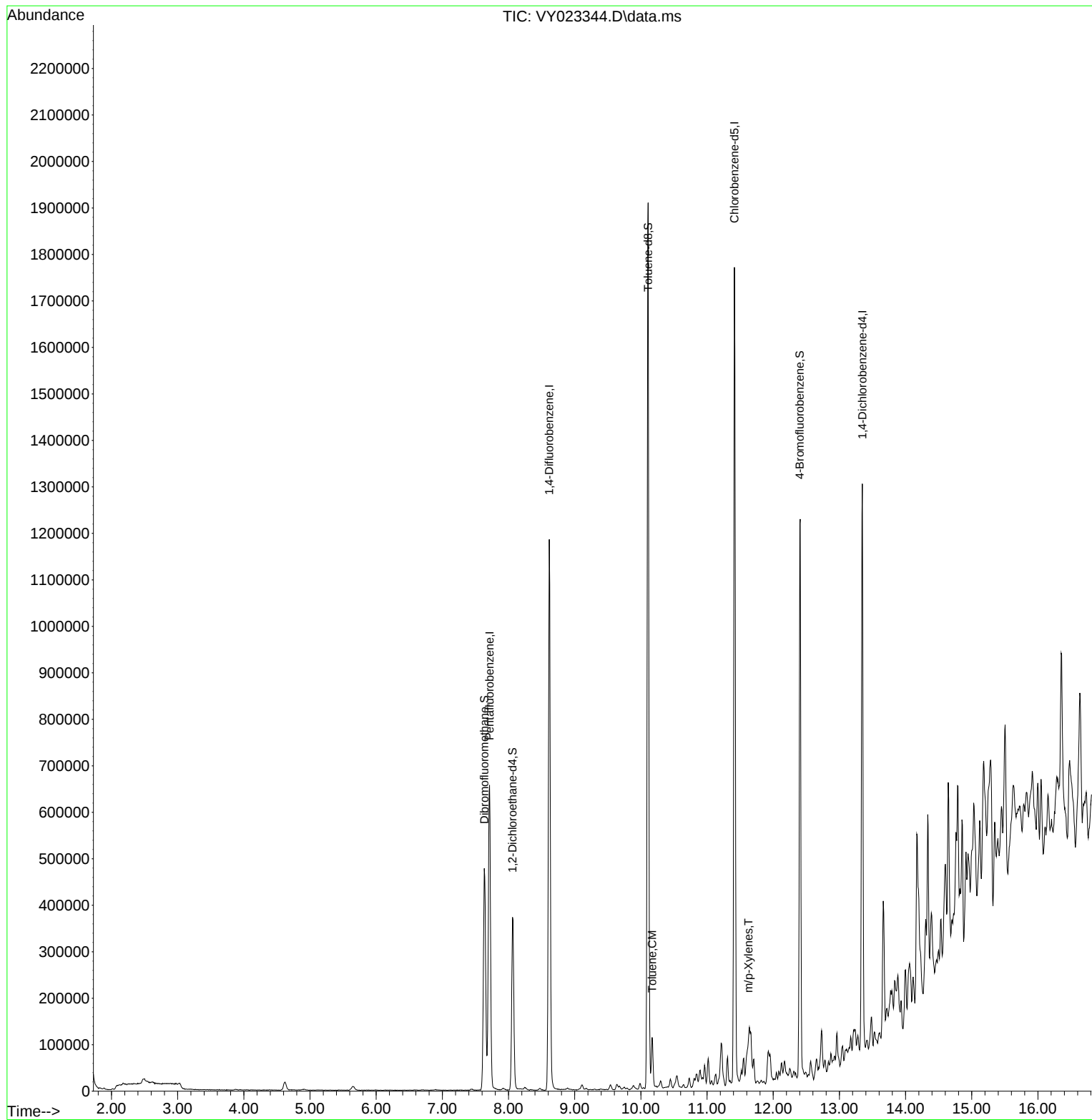
Internal Standards						
1) Pentafluorobenzene	7.713	168	535990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1031059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	965924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	334115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	291492	61.890	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.780%	
35) Dibromofluoromethane	7.634	113	342545	54.351	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.700%	
50) Toluene-d8	10.109	98	1235217	51.903	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.800%	
62) 4-Bromofluorobenzene	12.401	95	361820	48.311	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.620%	
Target Compounds						
					Qvalue	
52) Toluene	10.170	92	44788	2.529	ug/l	99
68) m/p-Xylenes	11.627	106	17664	1.276	ug/l	97

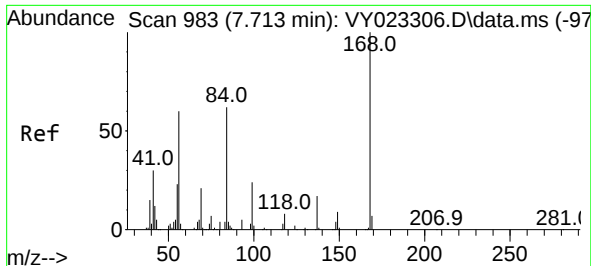
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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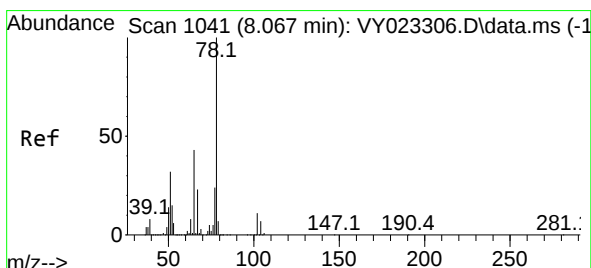
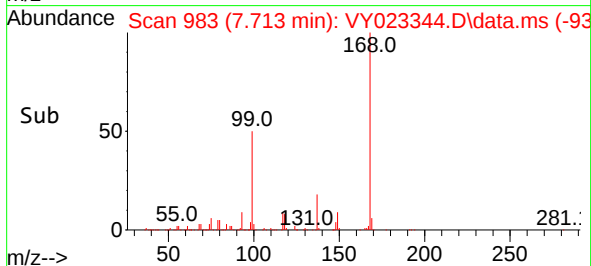
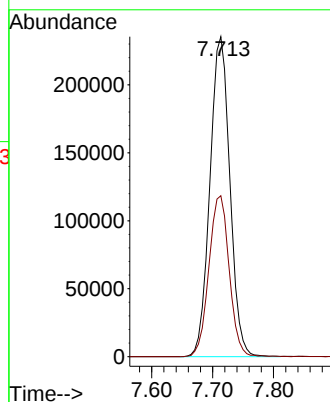
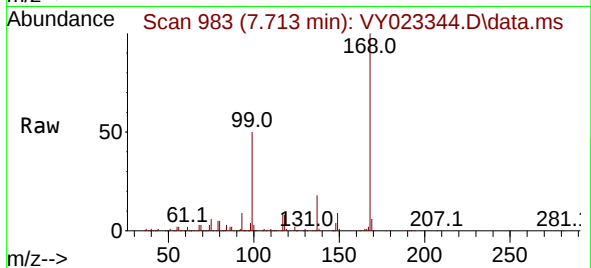




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023344.D
Acq: 11 Sep 2025 12:57

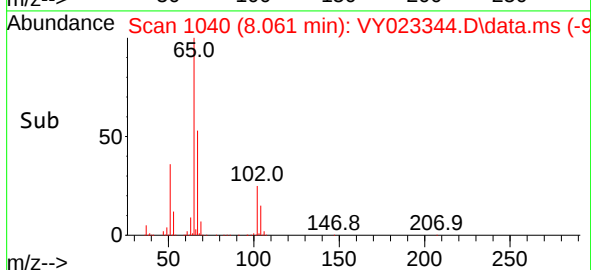
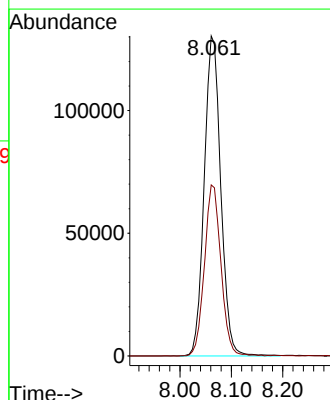
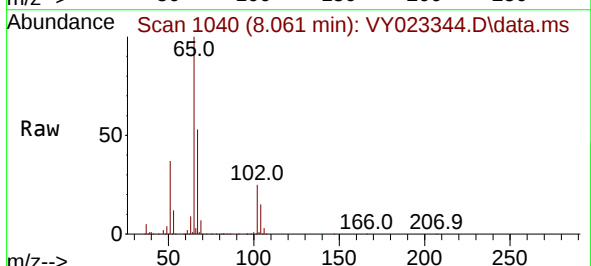
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-02563

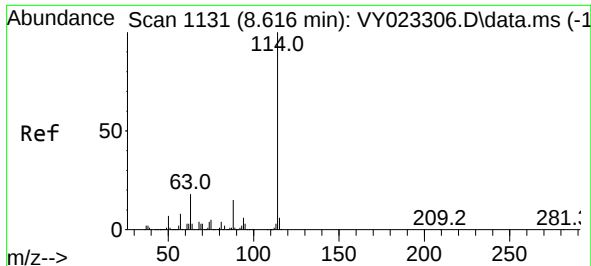
Tgt Ion:168 Resp: 535990
Ion Ratio Lower Upper
168 100
99 50.3 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 61.890 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023344.D
Acq: 11 Sep 2025 12:57

Tgt Ion: 65 Resp: 291492
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8

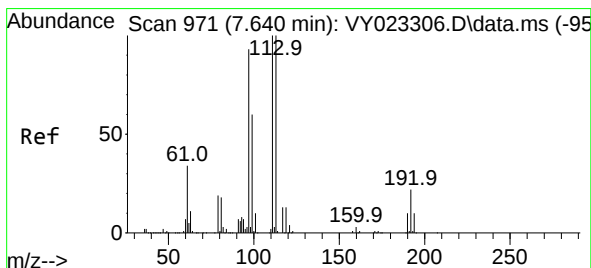
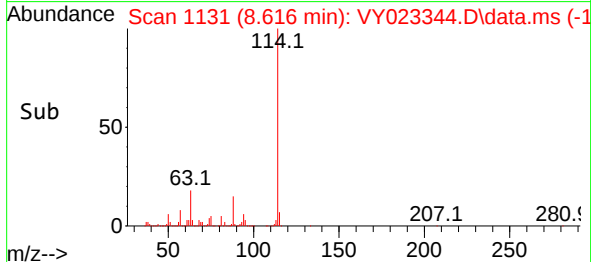
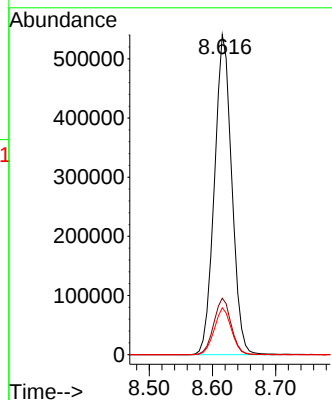
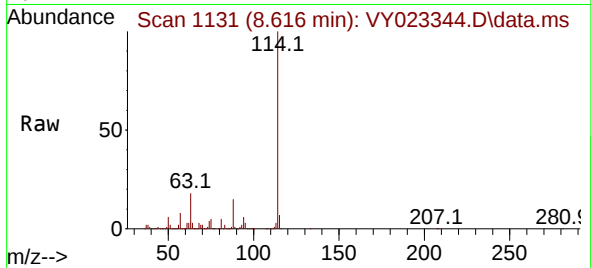




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023344.D
Acq: 11 Sep 2025 12:57

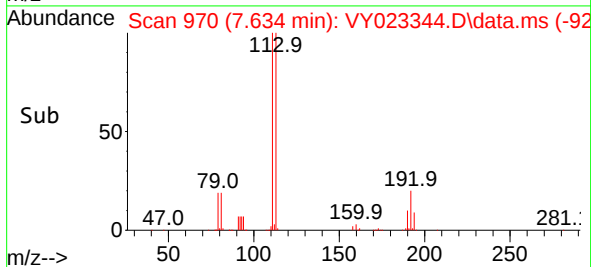
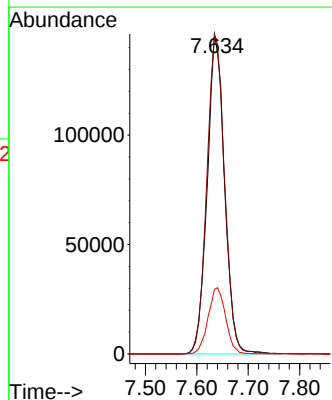
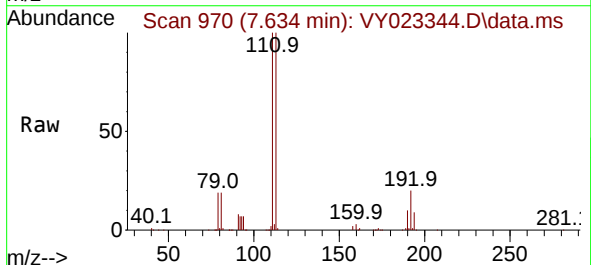
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-02563

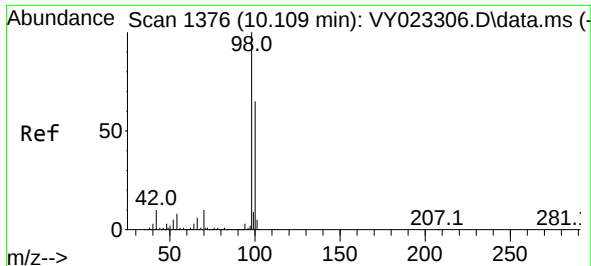
Tgt Ion:114 Resp: 1031059
Ion Ratio Lower Upper
114 100
63 17.7 0.0 38.4
88 14.6 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.351 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023344.D
Acq: 11 Sep 2025 12:57

Tgt Ion:113 Resp: 342545
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 21.1 16.2 24.4

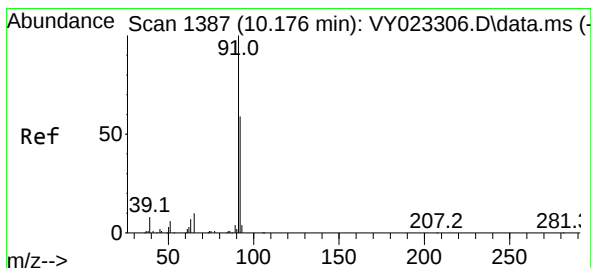
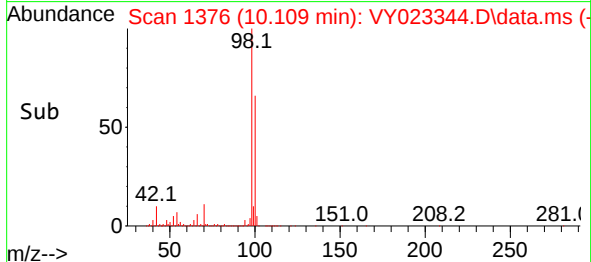
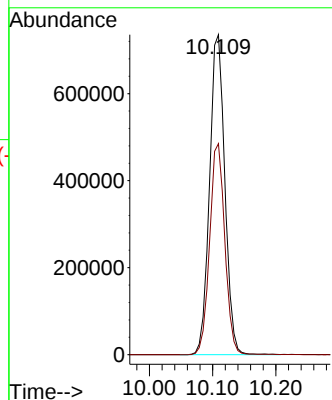
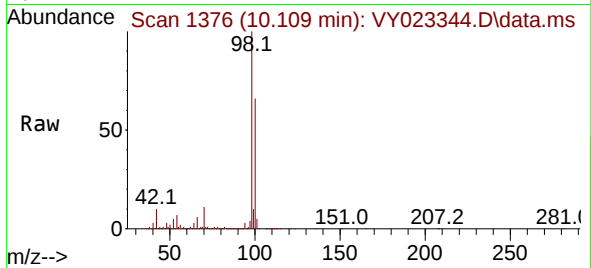




#50
Toluene-d8
Concen: 51.903 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023344.D
Acq: 11 Sep 2025 12:57

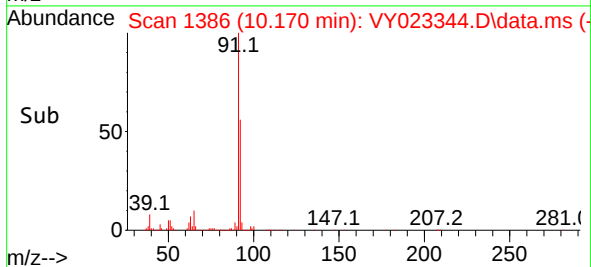
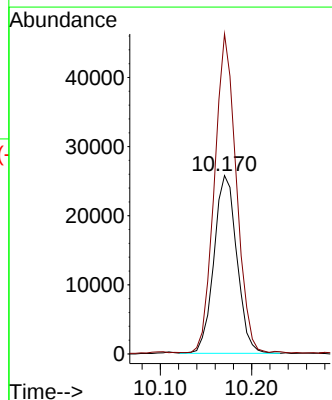
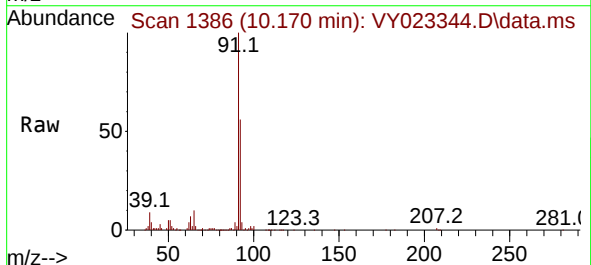
Instrument :
MSVOA_Y
ClientSampleId :
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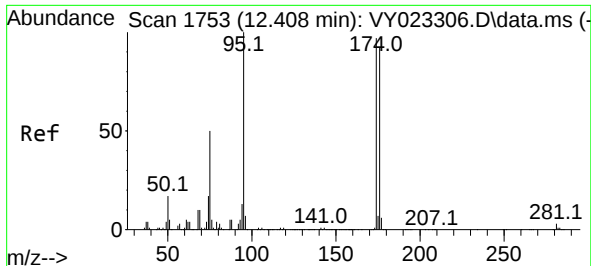
Tgt Ion: 98 Resp: 1235217
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5



#52
Toluene
Concen: 2.529 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023344.D
Acq: 11 Sep 2025 12:57

Tgt Ion: 92 Resp: 44788
Ion Ratio Lower Upper
92 100
91 171.4 136.4 204.6

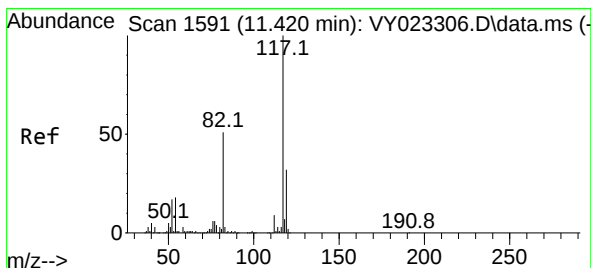
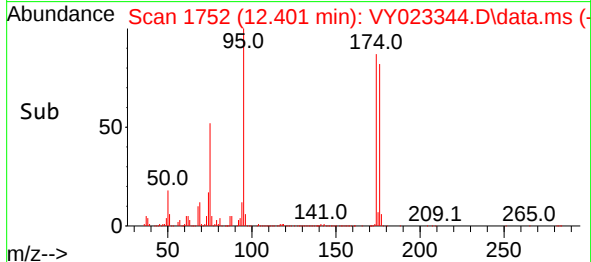
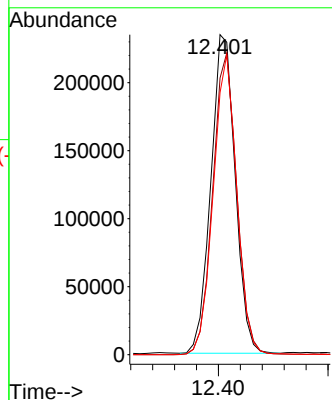
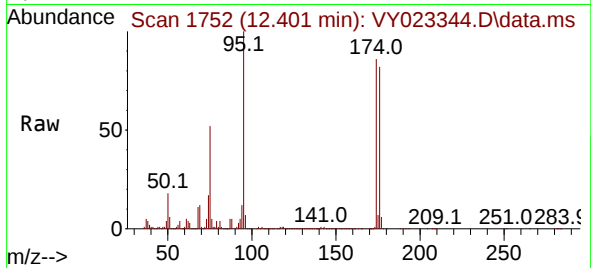




#62
4-Bromofluorobenzene
Concen: 48.311 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023344.D
Acq: 11 Sep 2025 12:57

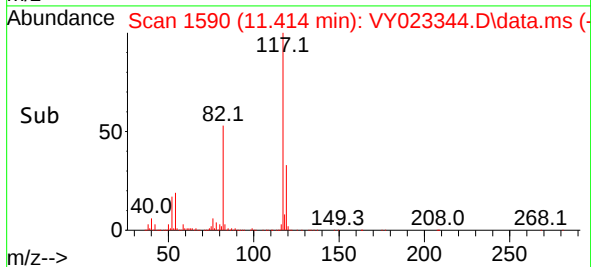
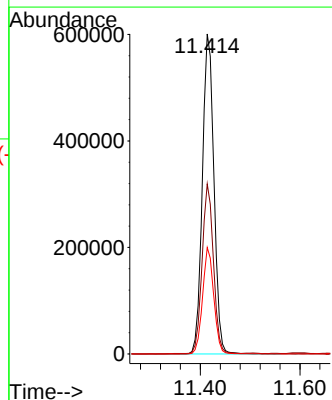
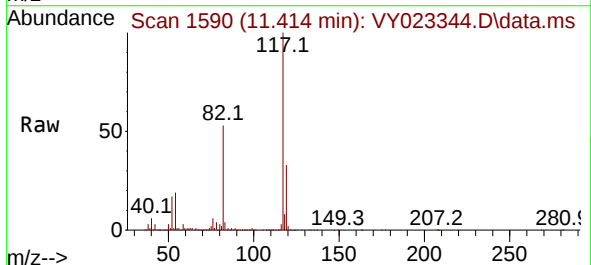
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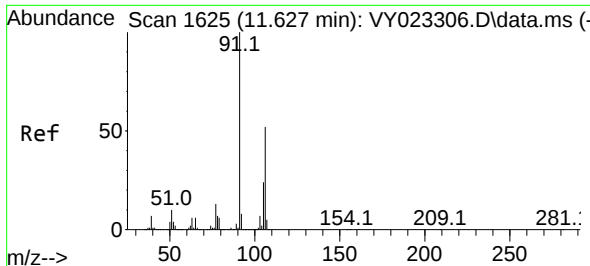
Tgt Ion: 95 Resp: 361820
Ion Ratio Lower Upper
95 100
174 93.4 0.0 171.6
176 91.2 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023344.D
Acq: 11 Sep 2025 12:57

Tgt Ion: 117 Resp: 965924
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 33.2 25.6 38.4

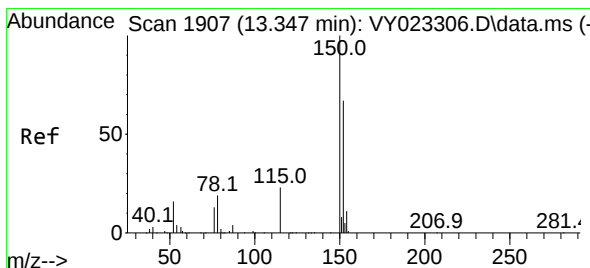
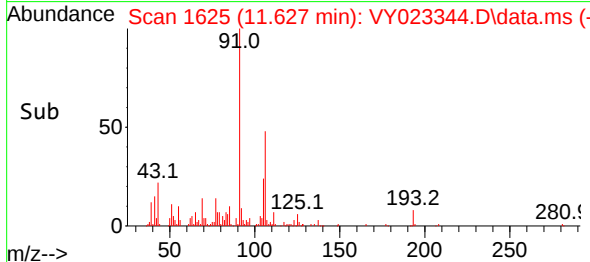
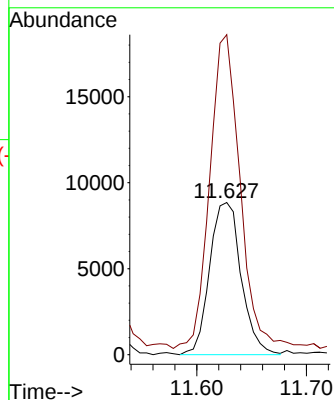
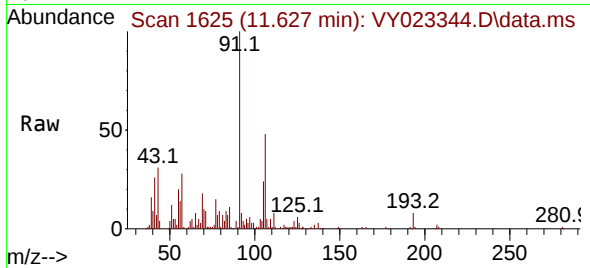




#68
m/p-Xylenes
Concen: 1.276 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023344.D
Acq: 11 Sep 2025 12:57

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-02563

Tgt Ion:106 Resp: 17664
Ion Ratio Lower Upper
106 100
91 203.6 158.6 238.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023344.D
Acq: 11 Sep 2025 12:57

Tgt Ion:152 Resp: 334115
Ion Ratio Lower Upper
152 100
115 55.0 28.2 84.6
150 154.2 0.0 348.0

