

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023341.D
 Acq On : 11 Sep 2025 11:47
 Operator : SY/MD
 Sample : Q3072-01
 Misc : 4.92g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 30-GARFIELD-PL-COMP

Quant Time: Sep 12 01:25:14 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)

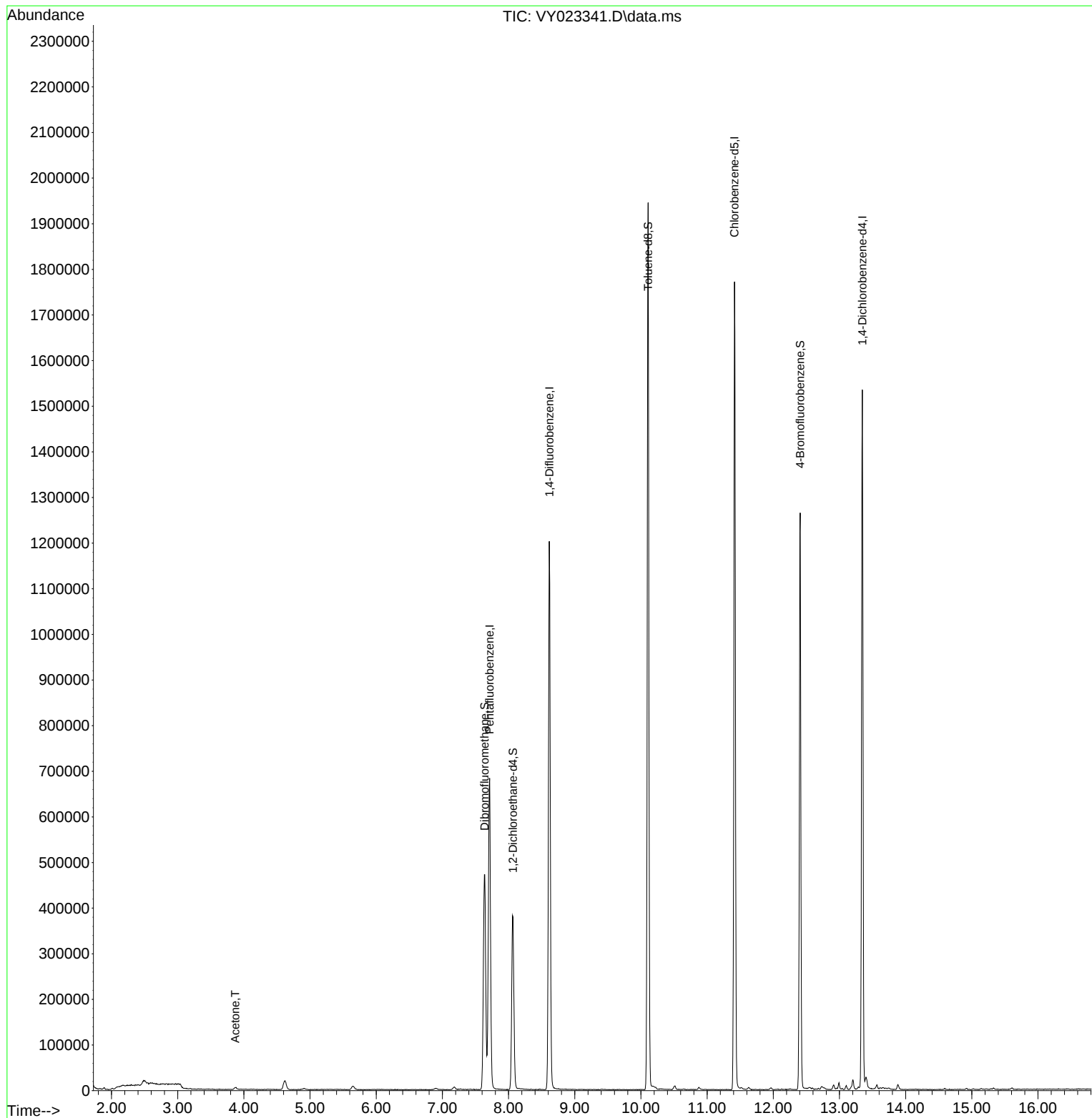
Internal Standards						
1) Pentafluorobenzene	7.713	168	553533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1058196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	980643	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	409005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	303189	62.334	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.660%	
35) Dibromofluoromethane	7.640	113	348234	53.836	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.680%	
50) Toluene-d8	10.109	98	1268586	51.938	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.880%	
62) 4-Bromofluorobenzene	12.407	95	376335	48.961	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.920%	
Target Compounds						
16) Acetone	3.872	43	7541	6.806	ug/l	Qvalue 100

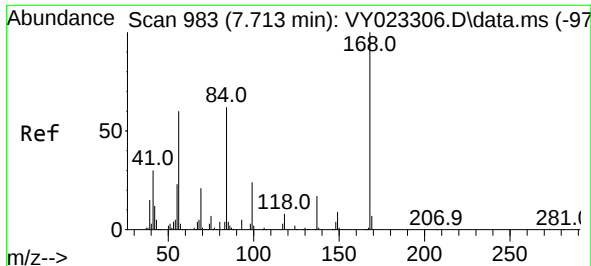
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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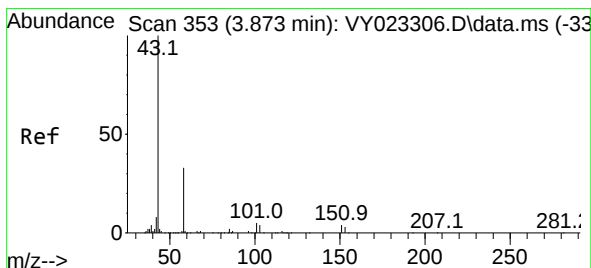
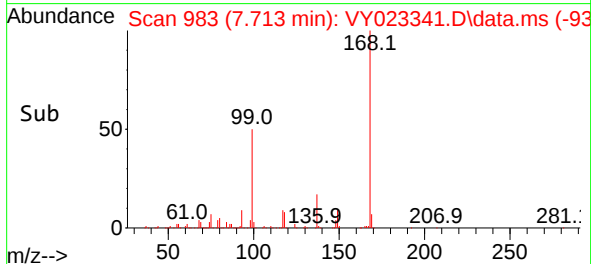
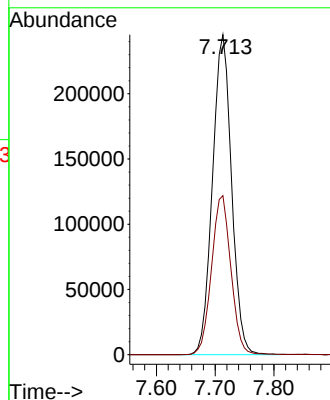
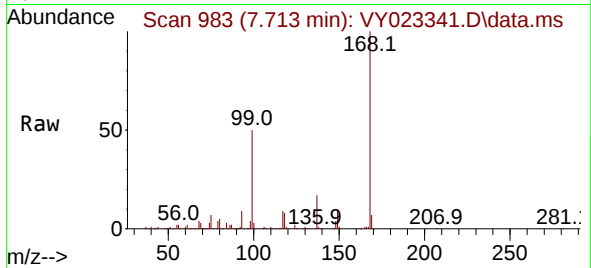




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023341.D
Acq: 11 Sep 2025 11:47

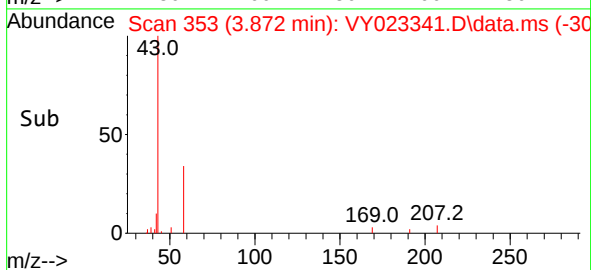
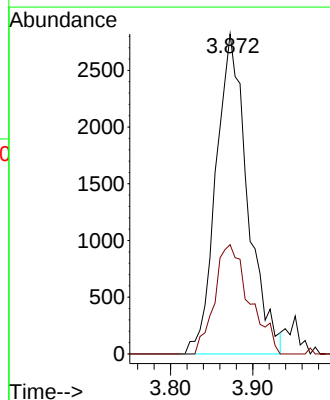
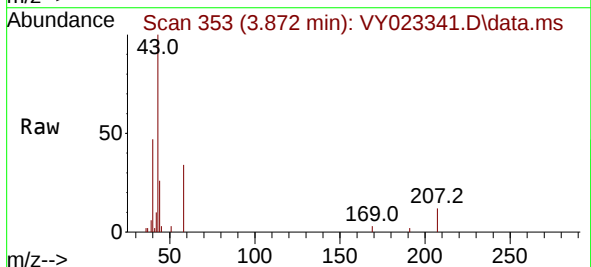
Instrument :
MSVOA_Y
ClientSampleId :
30-GARFIELD-PL-COMP

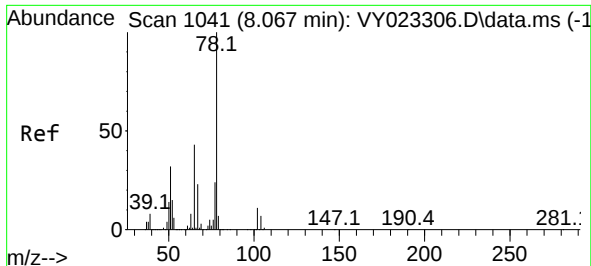
Tgt Ion:168 Resp: 553533
Ion Ratio Lower Upper
168 100
99 49.7 42.8 64.2



#16
Acetone
Concen: 6.806 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023341.D
Acq: 11 Sep 2025 11:47

Tgt Ion: 43 Resp: 7541
Ion Ratio Lower Upper
43 100
58 34.1 27.1 40.7





#33

1,2-Dichloroethane-d4

Concen: 62.334 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.012 min

Lab File: VY023341.D

Acq: 11 Sep 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

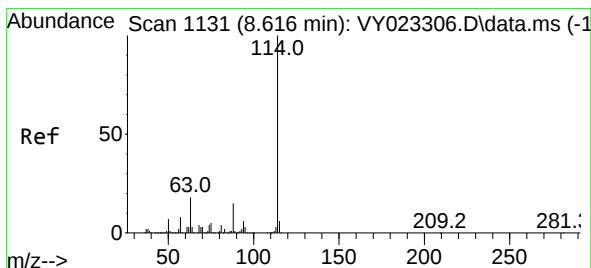
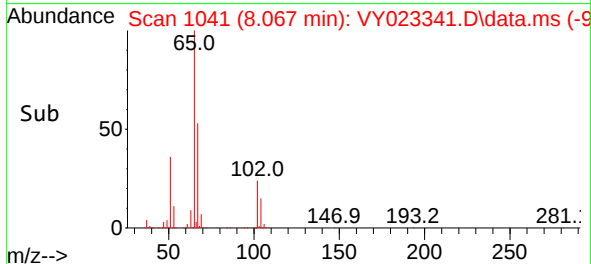
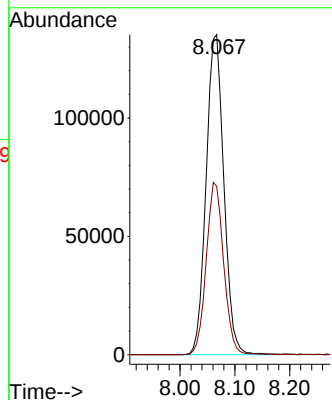
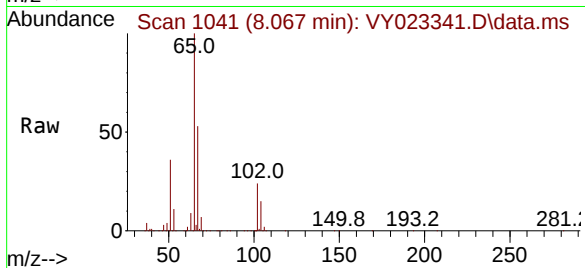
30-GARFIELD-PL-COMP

Tgt Ion: 65 Resp: 303189

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023341.D

Acq: 11 Sep 2025 11:47

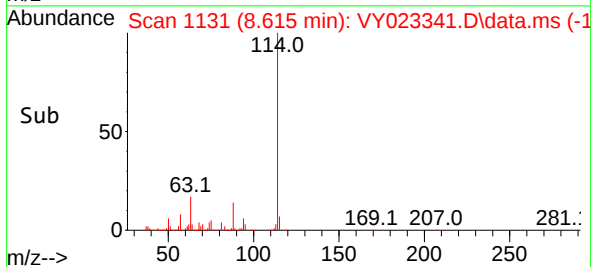
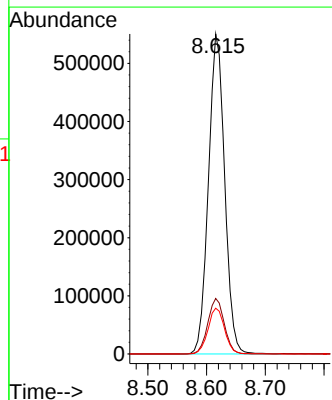
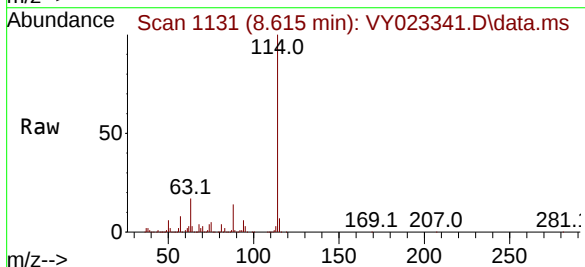
Tgt Ion: 114 Resp: 1058196

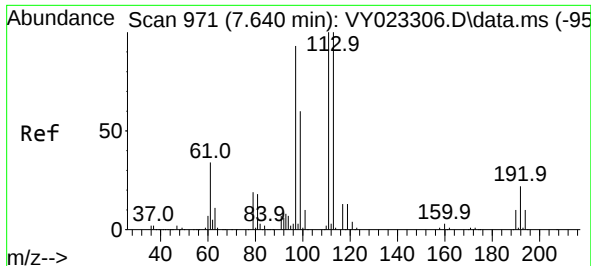
Ion Ratio Lower Upper

114 100

63 17.4 0.0 38.4

88 14.3 0.0 30.0

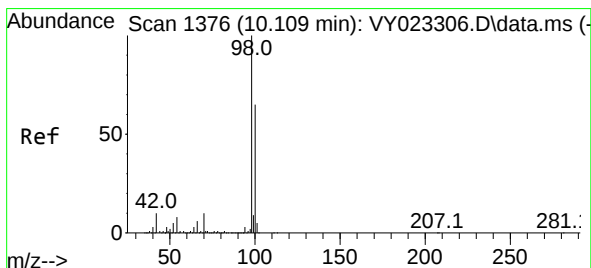
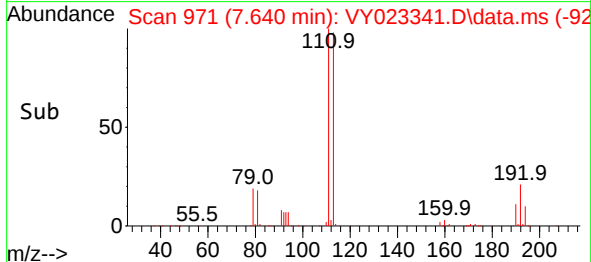
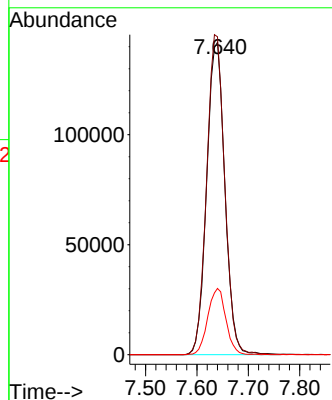
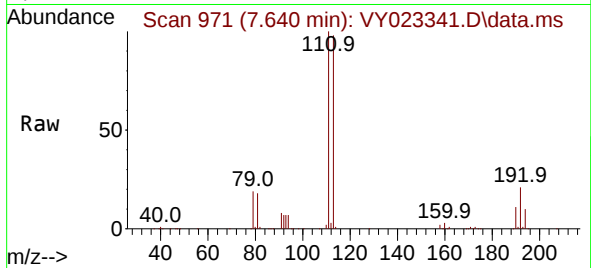




#35
Dibromofluoromethane
Concen: 53.836 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023341.D
Acq: 11 Sep 2025 11:47

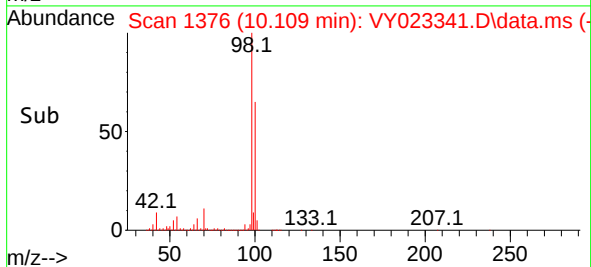
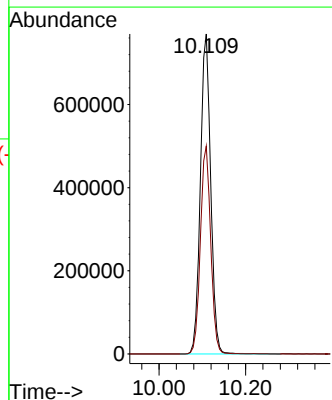
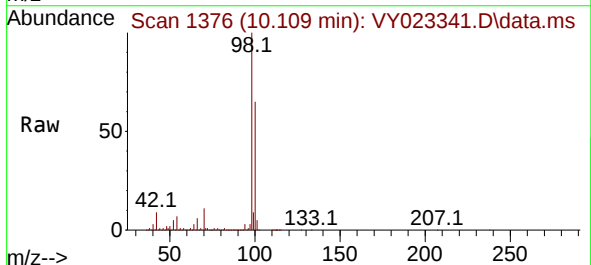
Instrument :
MSVOA_Y
ClientSampleId :
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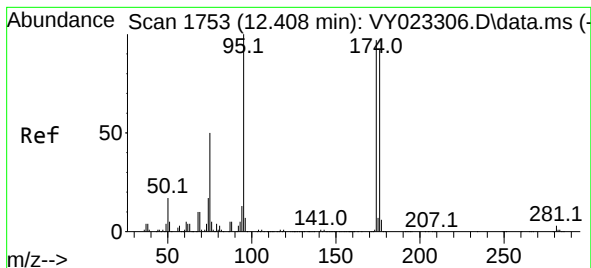
Tgt Ion:113 Resp: 348234
Ion Ratio Lower Upper
113 100
111 102.0 81.1 121.7
192 21.1 16.2 24.4



#50
Toluene-d8
Concen: 51.938 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023341.D
Acq: 11 Sep 2025 11:47

Tgt Ion: 98 Resp: 1268586
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5

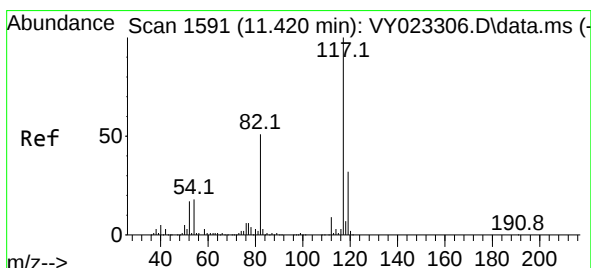
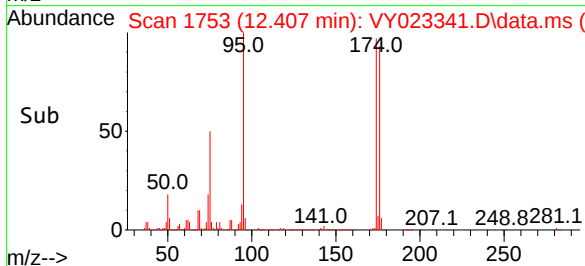
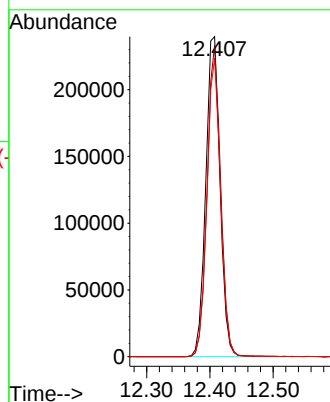
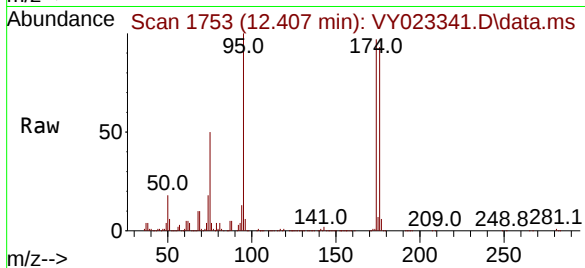




#62
4-Bromofluorobenzene
Concen: 48.961 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023341.D
Acq: 11 Sep 2025 11:47

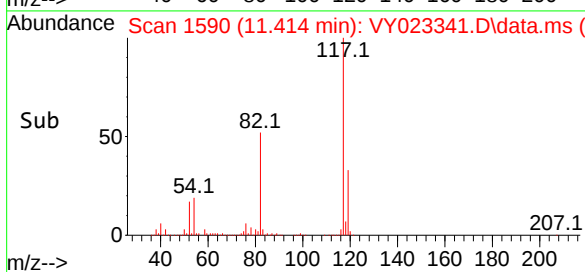
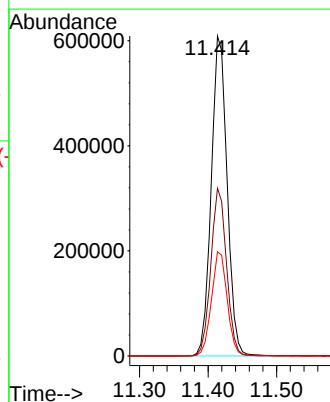
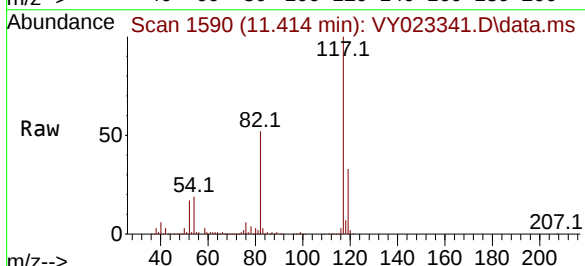
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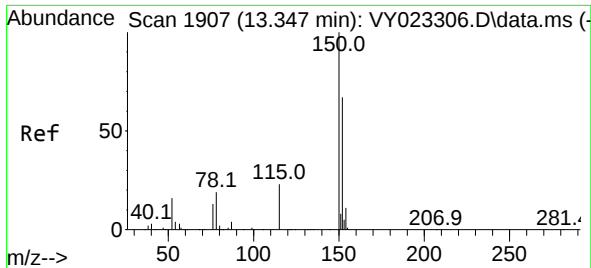
Tgt Ion: 95 Resp: 376335
Ion Ratio Lower Upper
95 100
174 93.1 0.0 171.6
176 89.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023341.D
Acq: 11 Sep 2025 11:47

Tgt Ion: 117 Resp: 980643
Ion Ratio Lower Upper
117 100
82 52.4 43.4 65.0
119 32.6 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023341.D

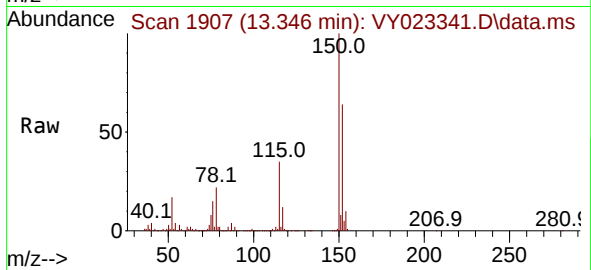
Acq: 11 Sep 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

30-GARFIELD-PL-COMP



Tgt Ion:152 Resp: 409005

Ion Ratio Lower Upper

152 100

115 54.4 28.2 84.6

150 154.3 0.0 348.0

