

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023527.D
 Acq On : 21 Oct 2025 11:50
 Operator : SY/MD
 Sample : Q3386-01RE
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 237RE

Quant Time: Oct 22 14:20:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

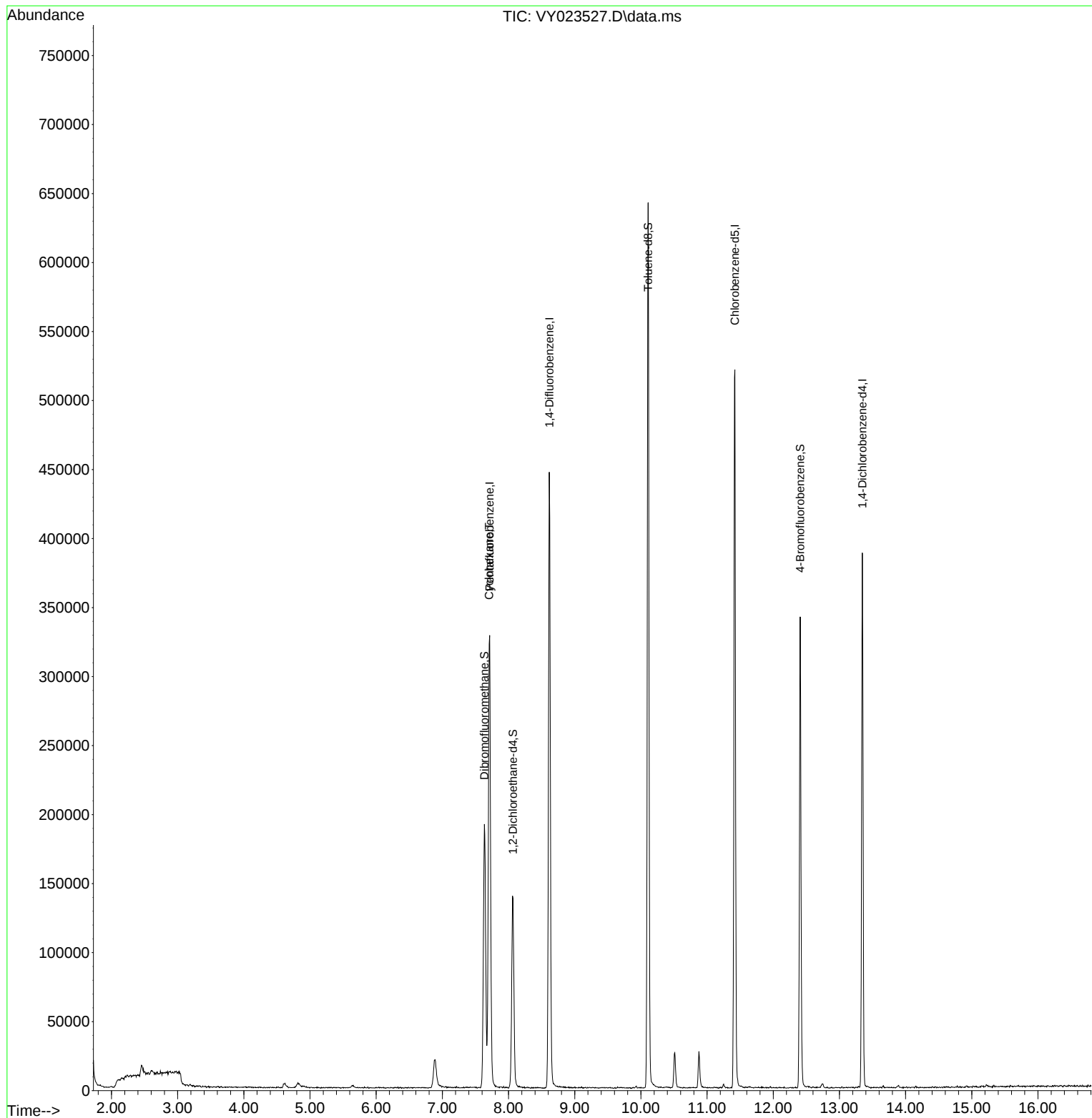
Internal Standards						
1) Pentafluorobenzene	7.713	168	278018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	404286	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	309256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	104644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	108459	46.652	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.300%
35) Dibromofluoromethane	7.634	113	138005	55.554	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.100%
50) Toluene-d8	10.109	98	439884	47.549	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.100%
62) 4-Bromofluorobenzene	12.407	95	97306	31.859	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	63.720%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.707	56	4676	1.209	ug/l #	21

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

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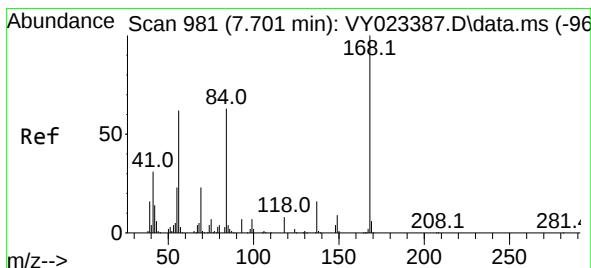
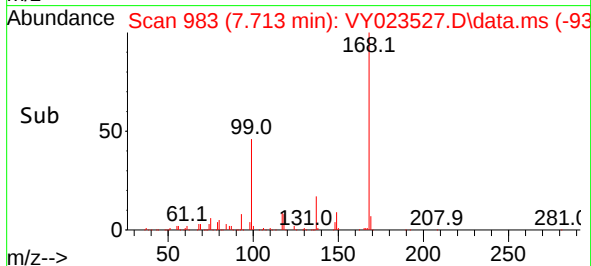
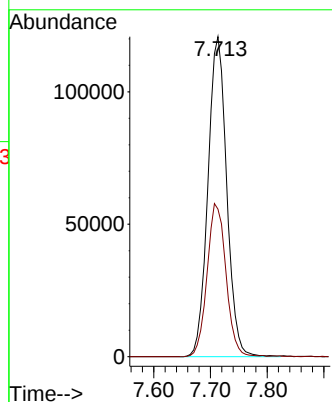
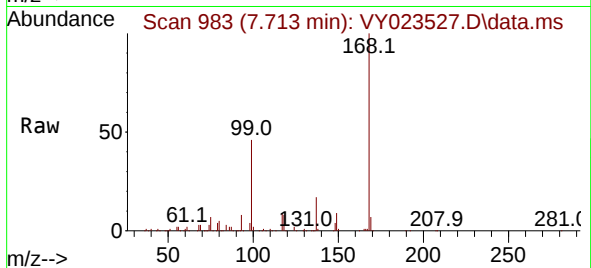




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023527.D
Acq: 21 Oct 2025 11:50

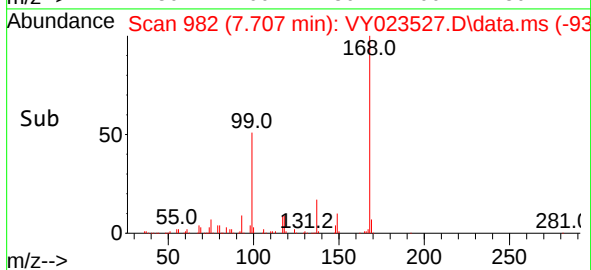
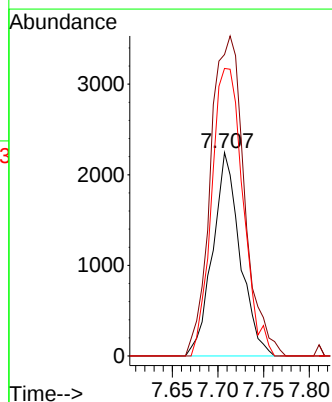
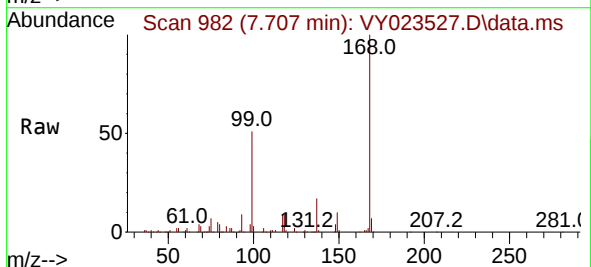
Instrument :
MSVOA_Y
ClientSampleId :
237RE

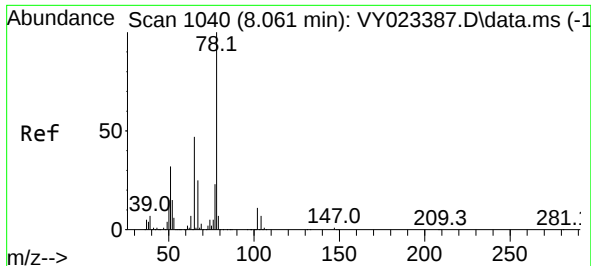
Tgt Ion:168 Resp: 278018
Ion Ratio Lower Upper
168 100
99 46.1 39.7 59.5



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023527.D
Acq: 21 Oct 2025 11:50

Tgt Ion: 56 Resp: 4676
Ion Ratio Lower Upper
56 100
69 148.3 30.0 45.0#
84 141.4 81.2 121.8#





#33

1,2-Dichloroethane-d4

Concen: 46.652 ug/l

RT: 8.067 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY023527.D

Acq: 21 Oct 2025 11:50

Instrument :

MSVOA_Y

ClientSampleId :

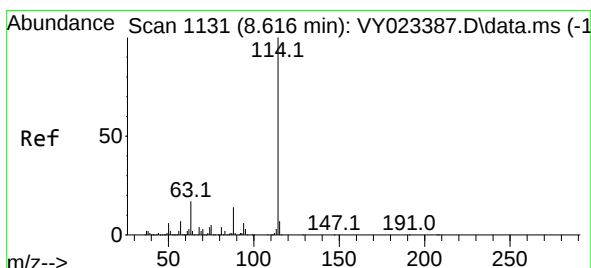
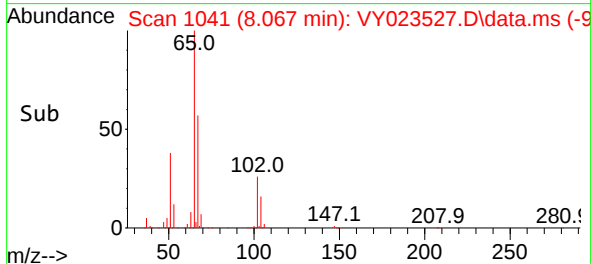
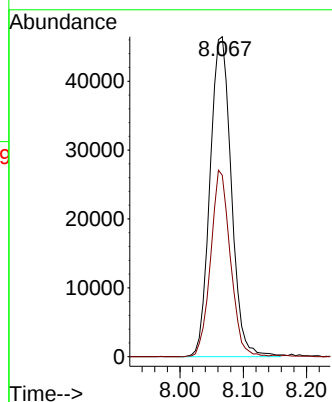
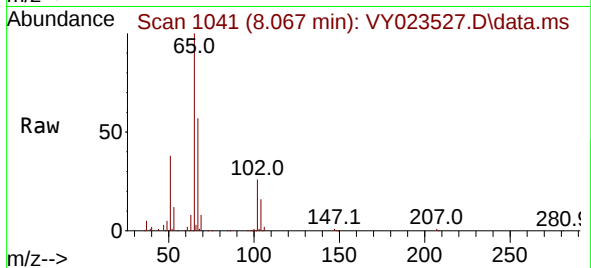
237RE

Tgt Ion: 65 Resp: 108459

Ion Ratio Lower Upper

65 100

67 54.1 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023527.D

Acq: 21 Oct 2025 11:50

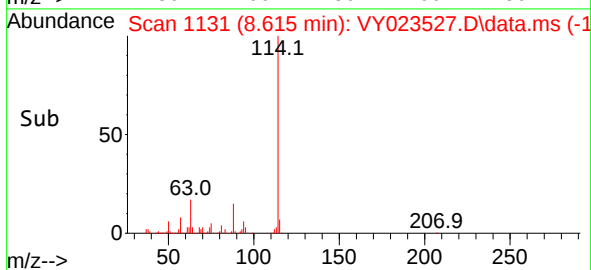
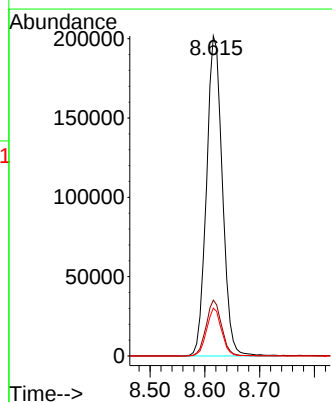
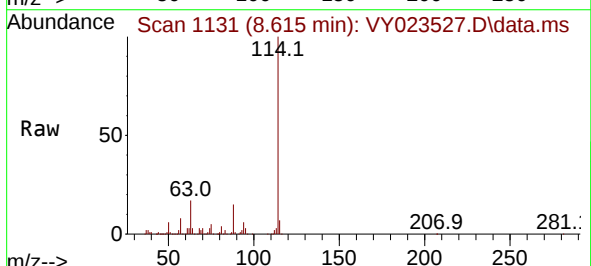
Tgt Ion: 114 Resp: 404286

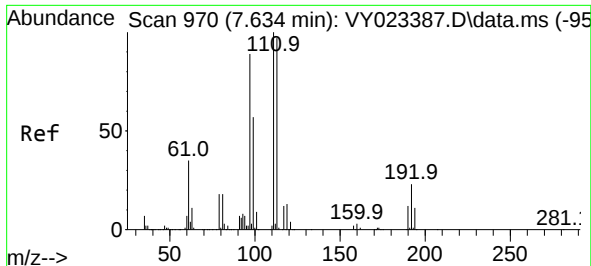
Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.2

88 14.9 0.0 28.4





#35

Dibromofluoromethane

Concen: 55.554 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY023527.D

Acq: 21 Oct 2025 11:50

Instrument :

MSVOA_Y

ClientSampleId :

237RE

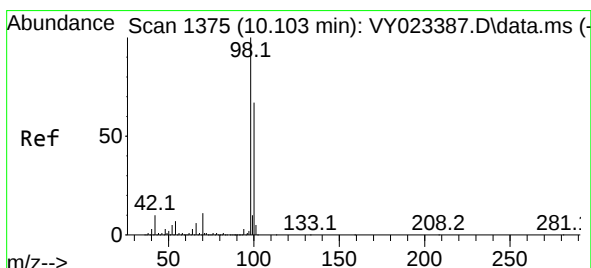
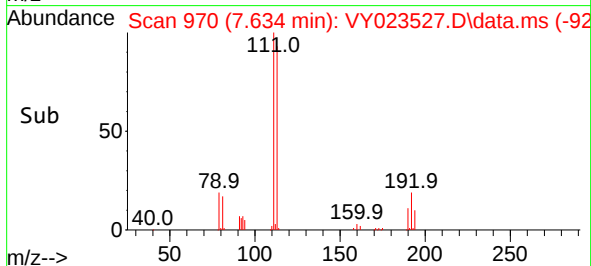
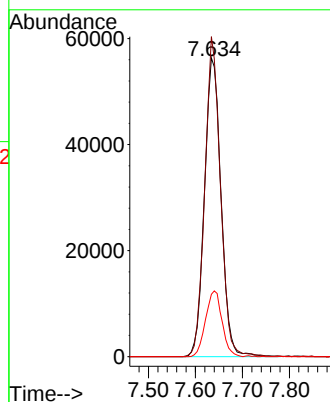
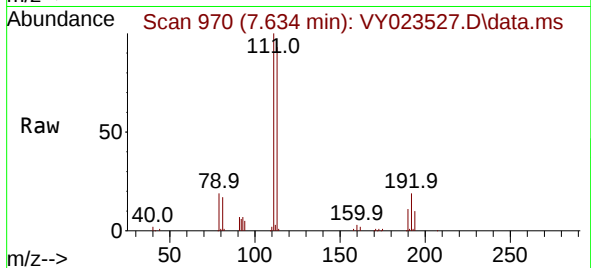
Tgt Ion:113 Resp: 138005

Ion Ratio Lower Upper

113 100

111 100.9 81.8 122.6

192 21.8 18.0 27.0



#50

Toluene-d8

Concen: 47.549 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023527.D

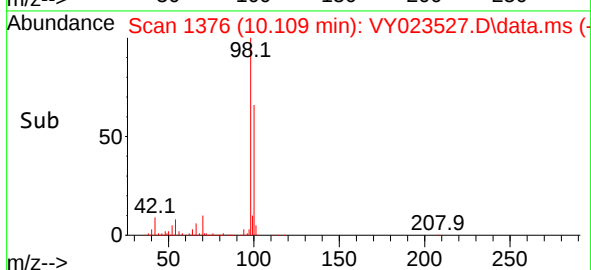
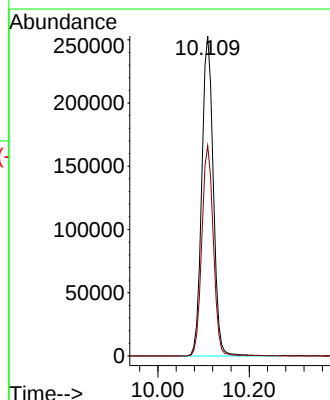
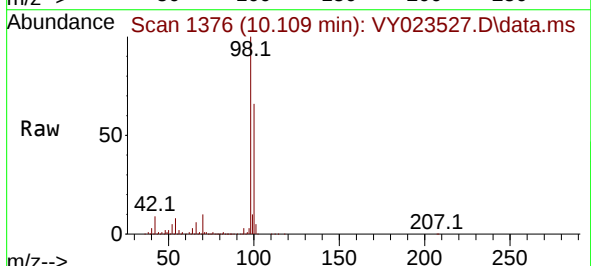
Acq: 21 Oct 2025 11:50

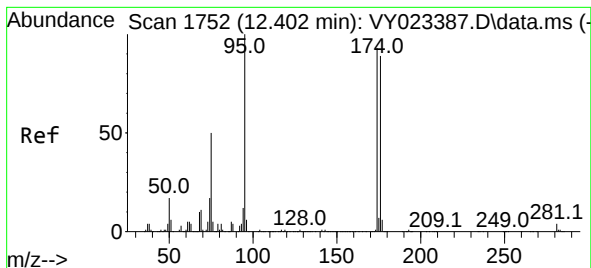
Tgt Ion: 98 Resp: 439884

Ion Ratio Lower Upper

98 100

100 65.8 53.0 79.4

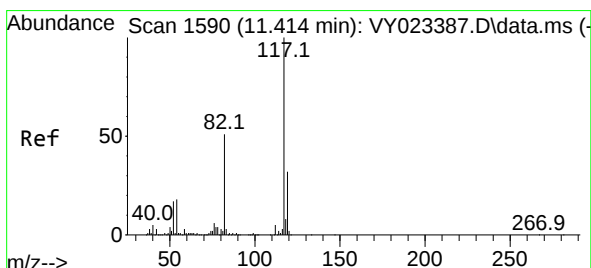
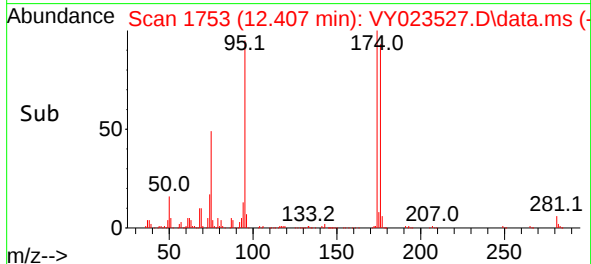
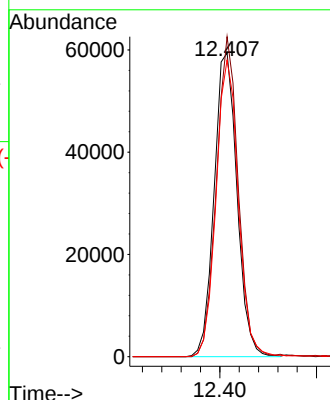
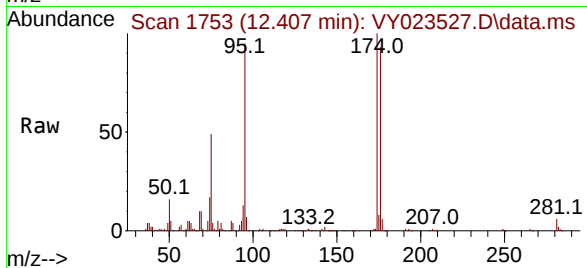




#62
4-Bromofluorobenzene
Concen: 31.859 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023527.D
Acq: 21 Oct 2025 11:50

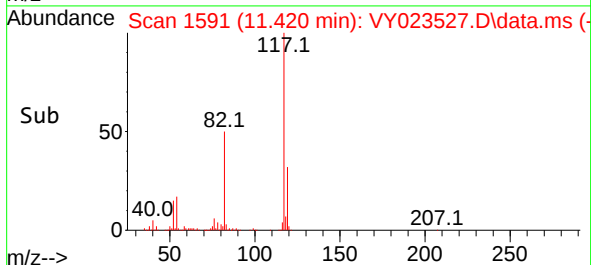
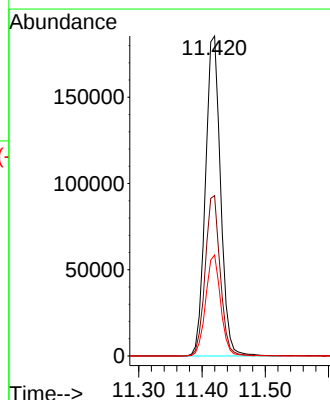
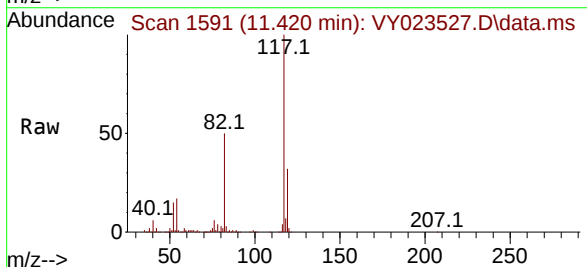
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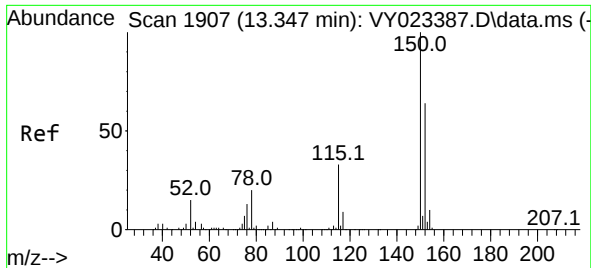
Tgt Ion: 95 Resp: 97306
Ion Ratio Lower Upper
95 100
174 100.7 0.0 192.8
176 95.5 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023527.D
Acq: 21 Oct 2025 11:50

Tgt Ion: 117 Resp: 309256
Ion Ratio Lower Upper
117 100
82 50.1 41.0 61.4
119 31.5 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023527.D
 Acq: 21 Oct 2025 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 237RE

Tgt Ion:152 Resp: 104644
 Ion Ratio Lower Upper
 152 100
 115 53.4 27.1 81.2
 150 157.0 0.0 347.4

