

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023530.D
 Acq On : 21 Oct 2025 13:04
 Operator : SY/MD
 Sample : Q3402-01
 Misc : 5.44g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 41-LA

Quant Time: Oct 22 12:26:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 07 14:25:11 2025
 Response via : Initial Calibration

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

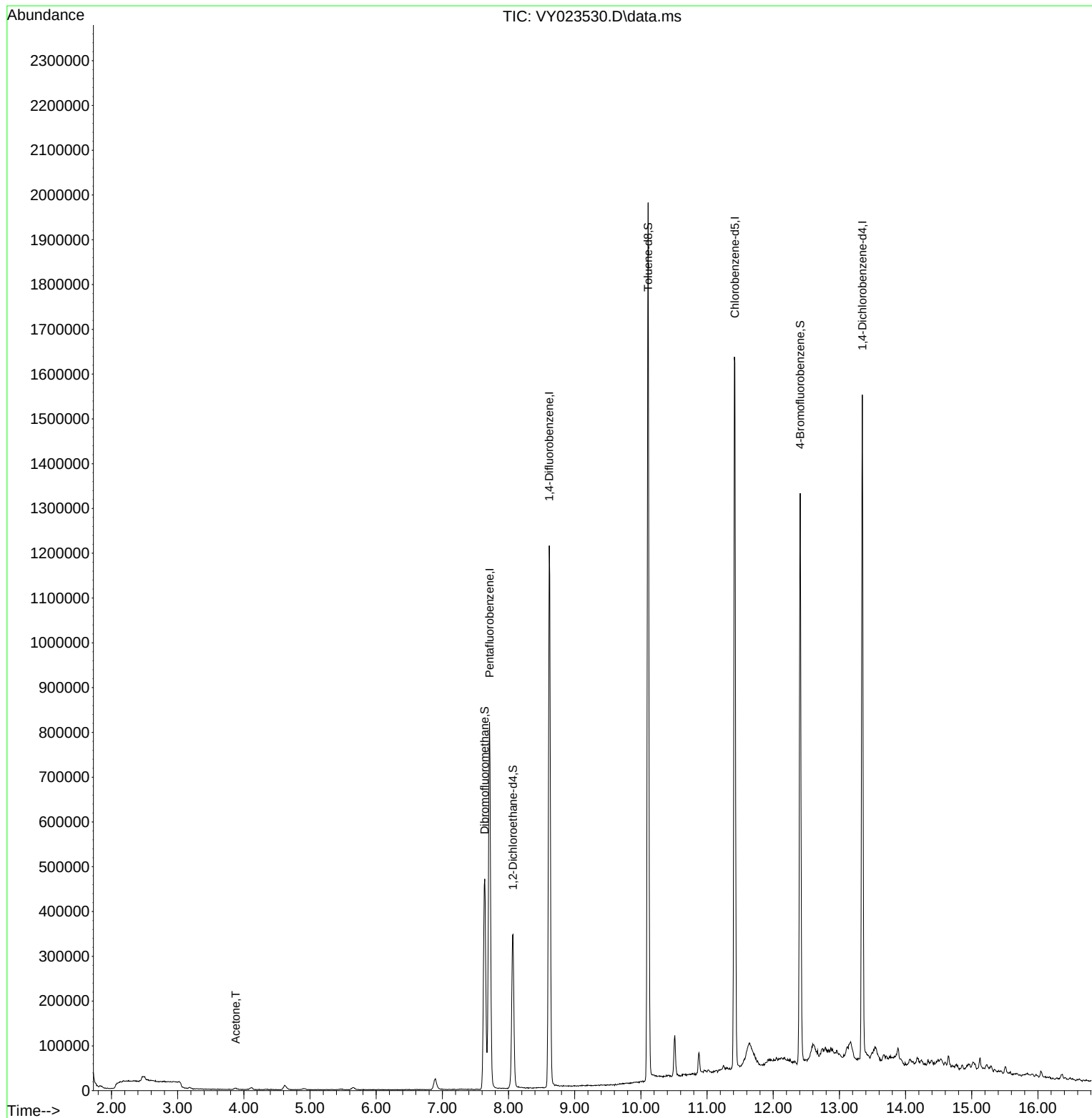
Internal Standards						
1) Pentafluorobenzene	7.713	168	687763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1120825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	958646	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	404991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	269847	46.920	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.840%
35) Dibromofluoromethane	7.640	113	342544	49.738	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.480%
50) Toluene-d8	10.109	98	1292435	50.392	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.780%
62) 4-Bromofluorobenzene	12.408	95	379065	44.767	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.540%
Target Compounds						
16) Acetone	3.879	43	5057	3.693	ug/l	Qvalue 100

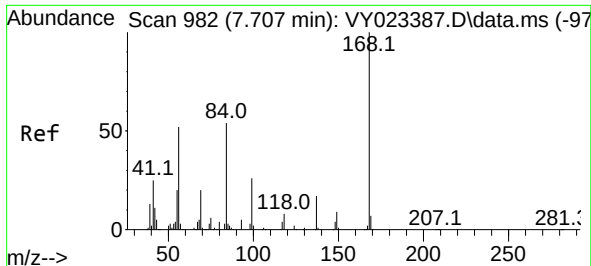
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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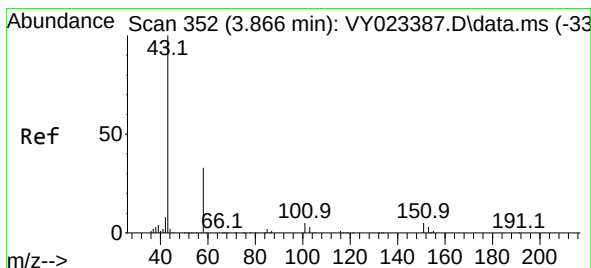
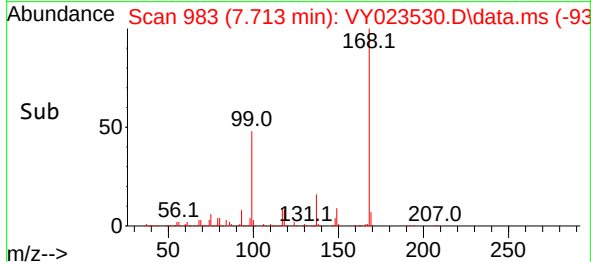
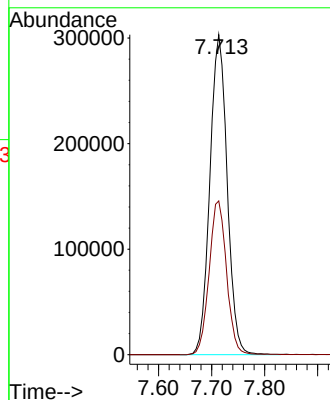
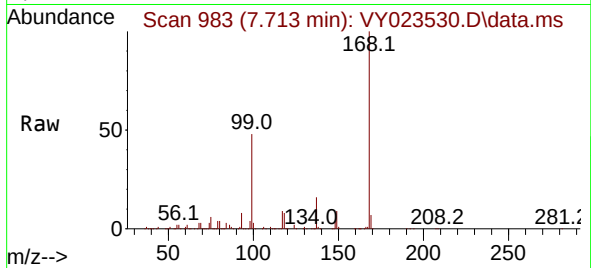




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023530.D
Acq: 21 Oct 2025 13:04

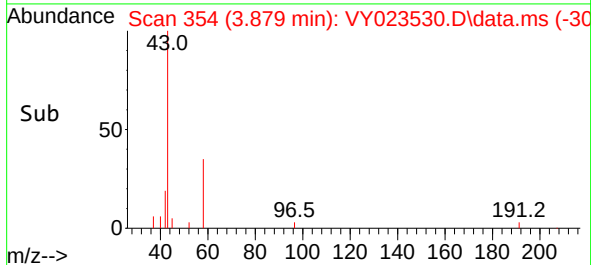
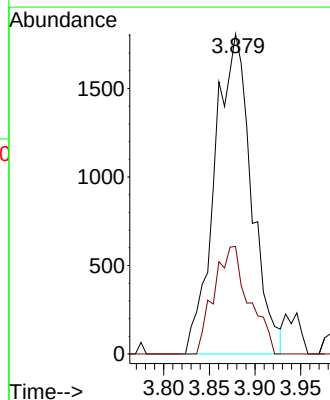
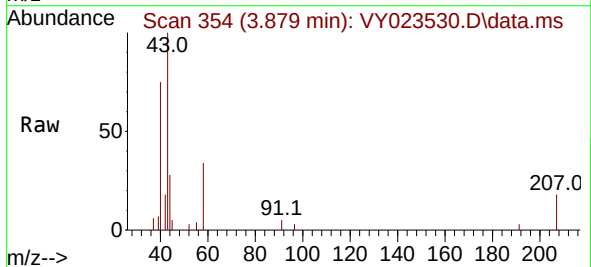
Instrument :
MSVOA_Y
ClientSampleId :
41-LA

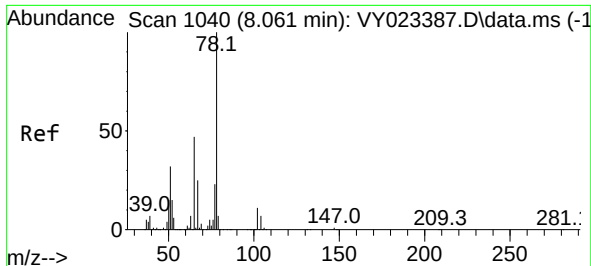
Tgt Ion:168 Resp: 687763
Ion Ratio Lower Upper
168 100
99 48.0 42.8 64.2



#16
Acetone
Concen: 3.693 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.018 min
Lab File: VY023530.D
Acq: 21 Oct 2025 13:04

Tgt Ion: 43 Resp: 5057
Ion Ratio Lower Upper
43 100
58 33.6 27.1 40.7





#33

1,2-Dichloroethane-d4

Concen: 46.920 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY023530.D

Acq: 21 Oct 2025 13:04

Instrument :

MSVOA_Y

ClientSampleId :

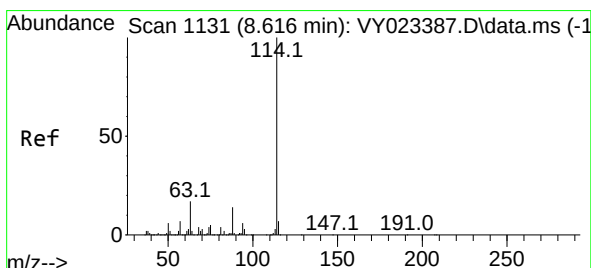
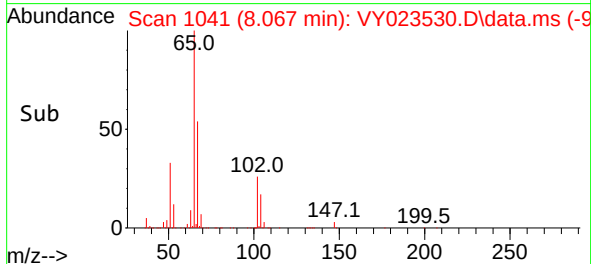
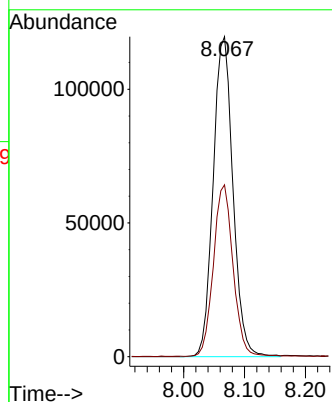
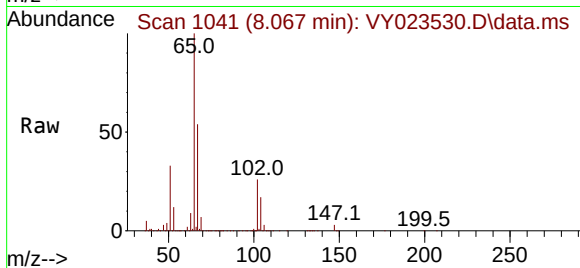
41-LA

Tgt Ion: 65 Resp: 269847

Ion Ratio Lower Upper

65 100

67 53.1 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: VY023530.D

Acq: 21 Oct 2025 13:04

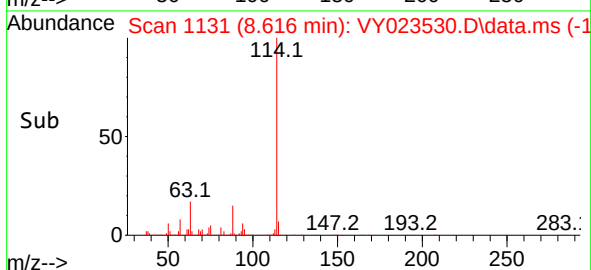
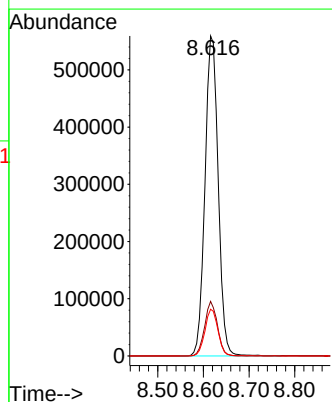
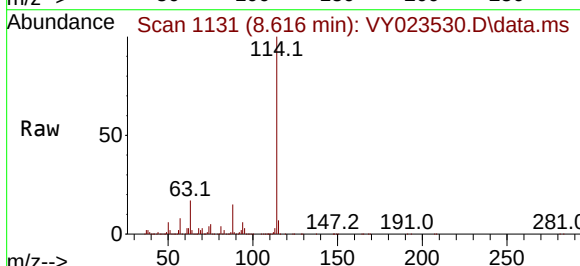
Tgt Ion: 114 Resp: 1120825

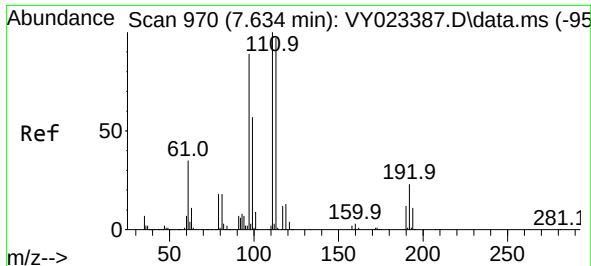
Ion Ratio Lower Upper

114 100

63 17.1 0.0 38.4

88 14.6 0.0 30.0

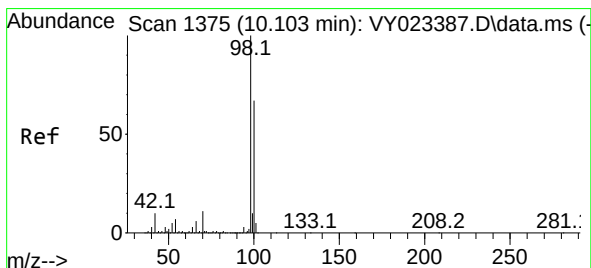
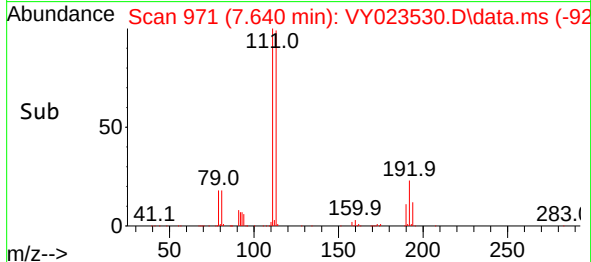
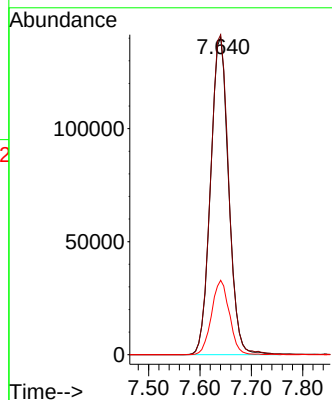
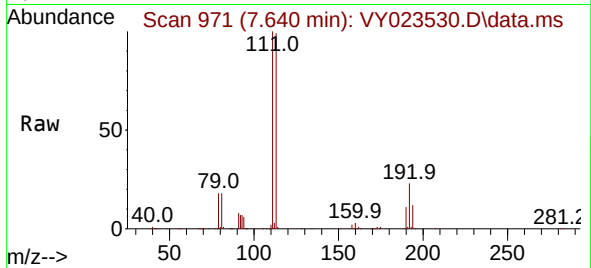




#35
Dibromofluoromethane
Concen: 49.738 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023530.D
Acq: 21 Oct 2025 13:04

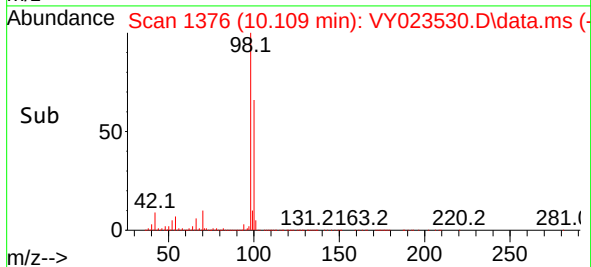
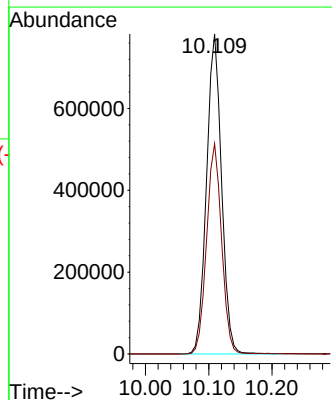
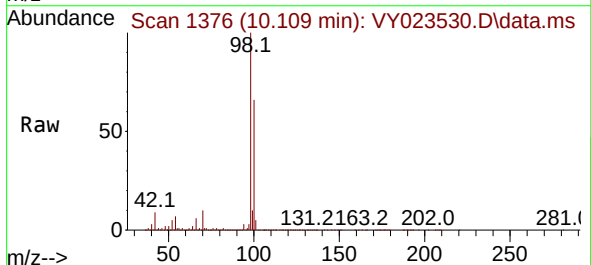
Instrument :
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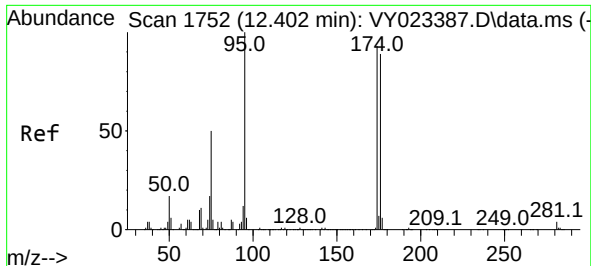
Tgt Ion:113 Resp: 342544
Ion Ratio Lower Upper
113 100
111 101.1 81.1 121.7
192 23.1 16.2 24.4



#50
Toluene-d8
Concen: 50.392 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023530.D
Acq: 21 Oct 2025 13:04

Tgt Ion: 98 Resp: 1292435
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5

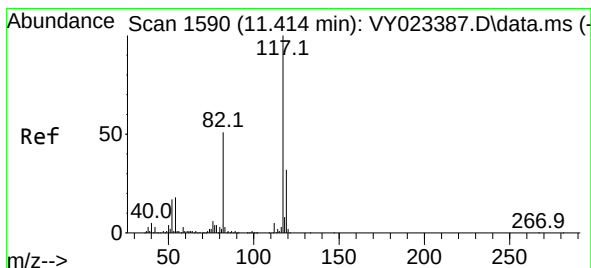
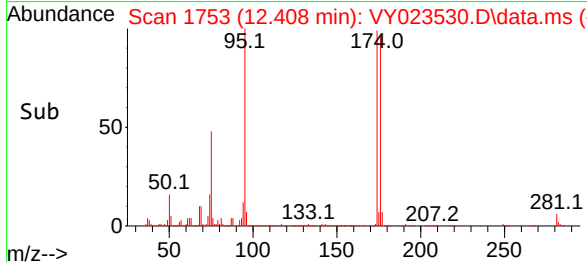
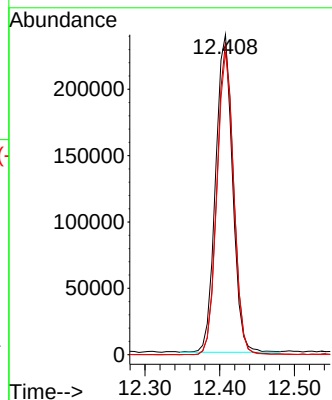
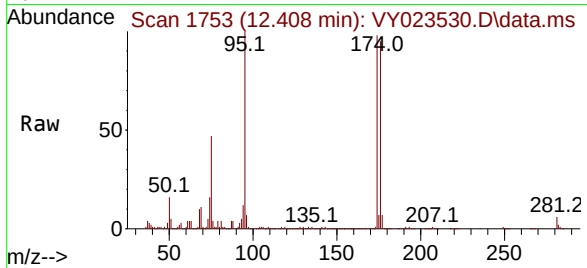




#62
4-Bromofluorobenzene
Concen: 44.767 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023530.D
Acq: 21 Oct 2025 13:04

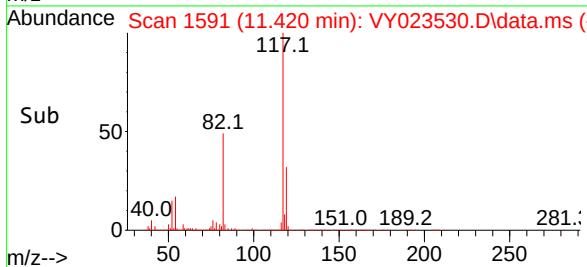
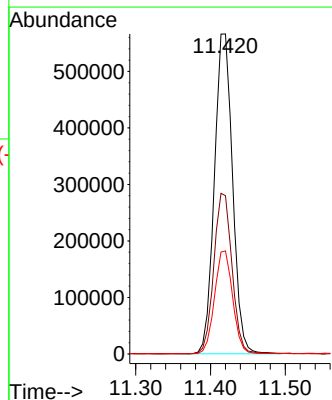
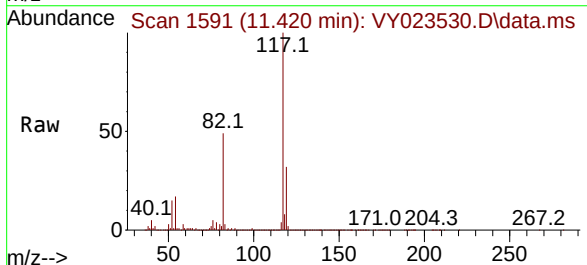
Instrument :
MSVOA_Y
ClientSampleId :
41-LA

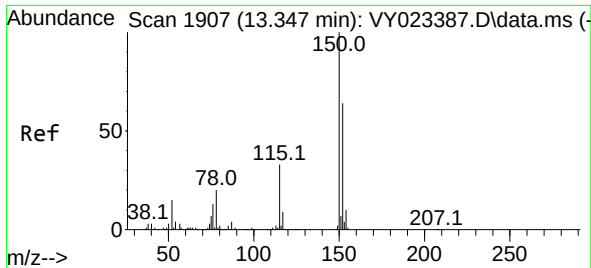
Tgt Ion: 95 Resp: 379065
Ion Ratio Lower Upper
95 100
174 96.6 0.0 171.6
176 94.0 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.012 min
Lab File: VY023530.D
Acq: 21 Oct 2025 13:04

Tgt Ion: 117 Resp: 958646
Ion Ratio Lower Upper
117 100
82 49.4 43.4 65.0
119 32.1 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.006 min
 Lab File: VY023530.D
 Acq: 21 Oct 2025 13:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 41-LA

Tgt Ion:152 Resp: 404991
 Ion Ratio Lower Upper
 152 100
 115 54.1 28.2 84.6
 150 156.4 0.0 348.0

