

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023567.D
 Acq On : 24 Oct 2025 12:54
 Operator : SY/MD
 Sample : Q3445-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-102325

Quant Time: Oct 24 23:50:10 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	824188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1341909	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1144043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	505065	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	350789	50.898	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.800%
35) Dibromofluoromethane	7.634	113	424256	51.454	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.900%
50) Toluene-d8	10.109	98	1495295	48.696	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.400%
62) 4-Bromofluorobenzene	12.408	95	456819	45.061	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.120%

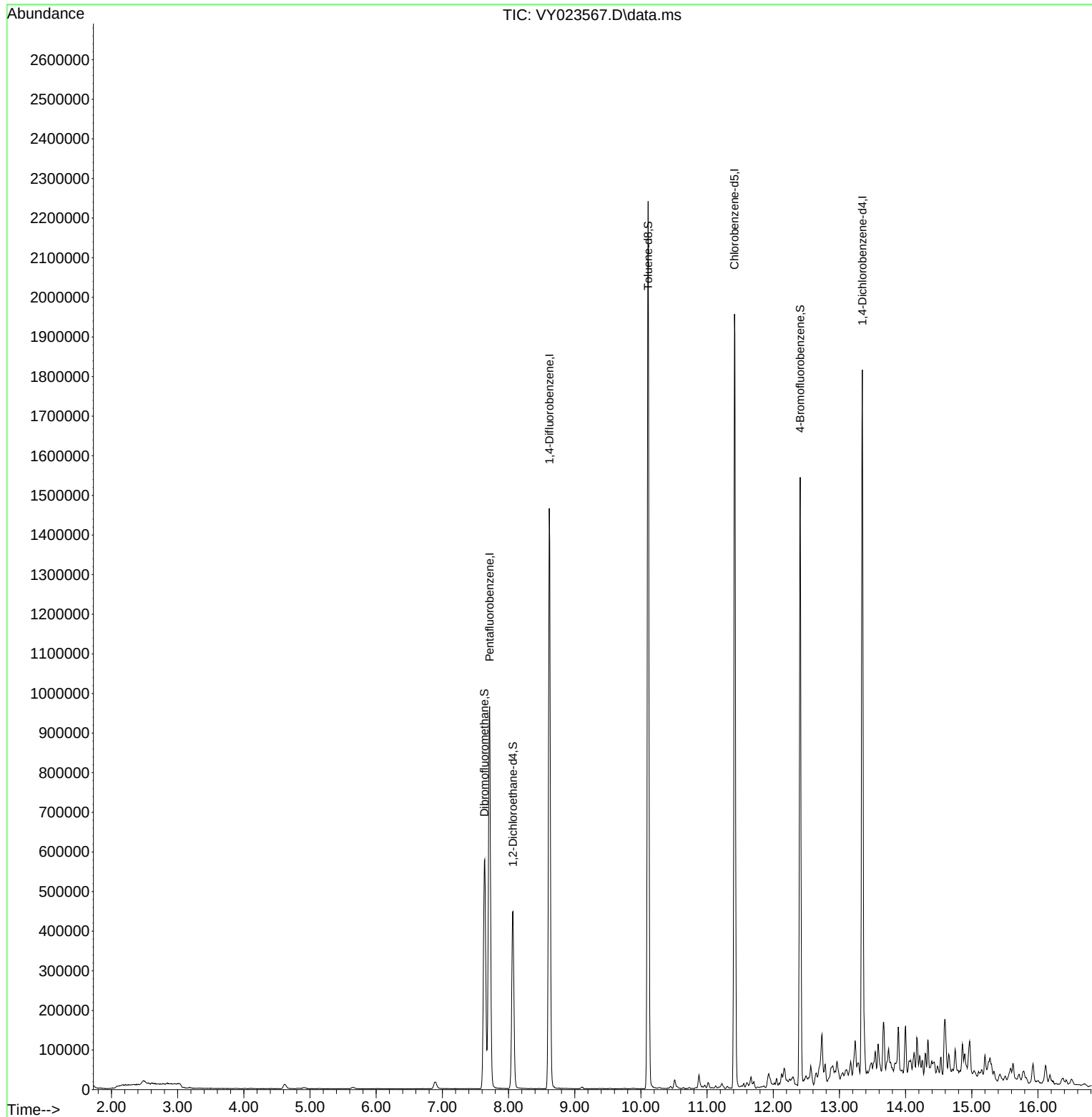
Target Compounds	Qvalue

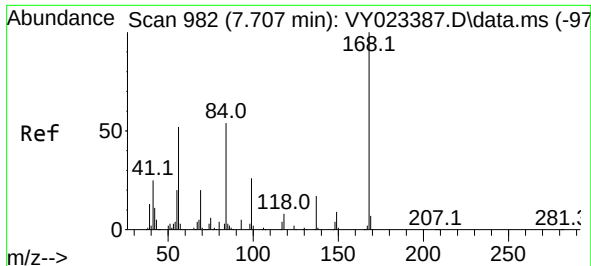
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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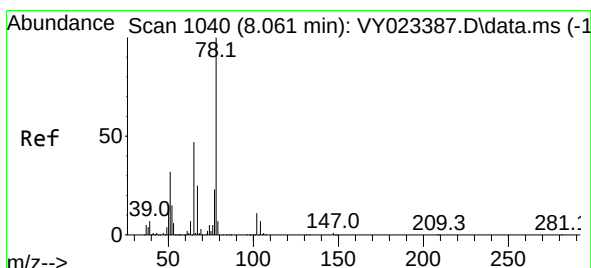
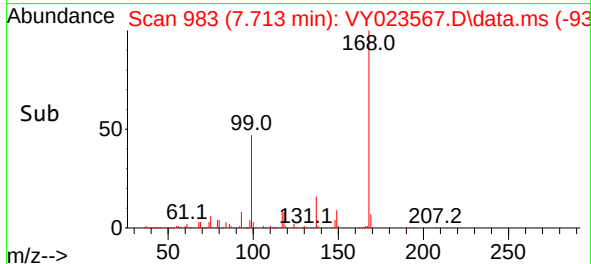
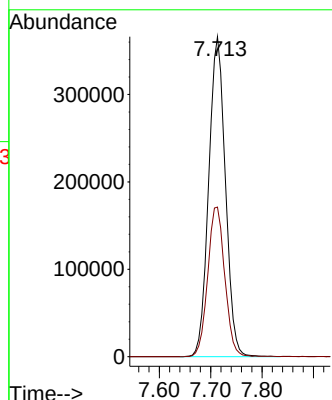
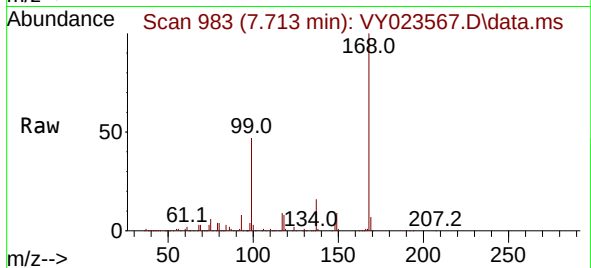




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023567.D
Acq: 24 Oct 2025 12:54

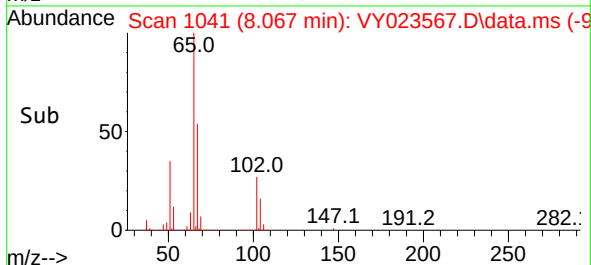
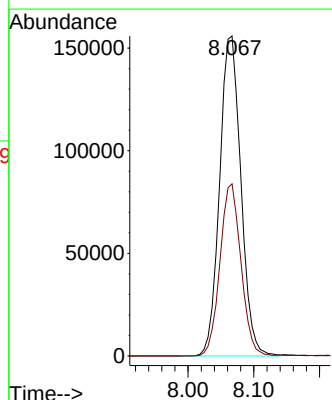
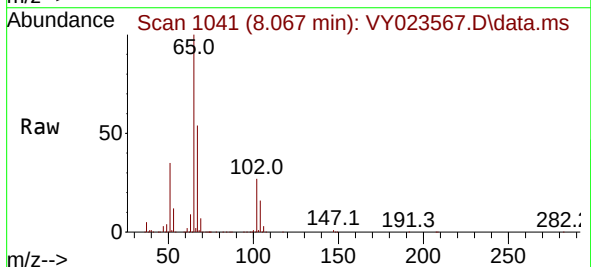
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-102325

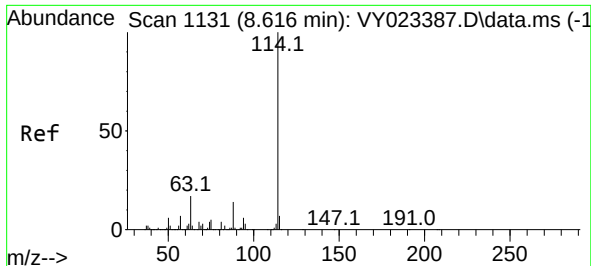
Tgt Ion:168 Resp: 824188
Ion Ratio Lower Upper
168 100
99 46.7 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 50.898 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023567.D
Acq: 24 Oct 2025 12:54

Tgt Ion: 65 Resp: 350789
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023567.D

Acq: 24 Oct 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

EO-01-102325

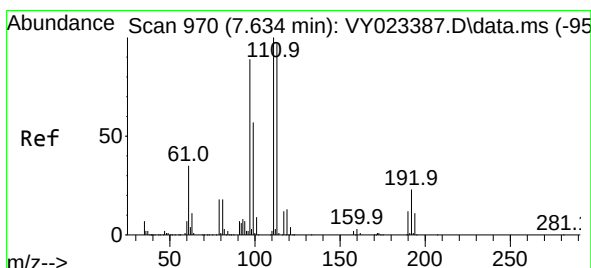
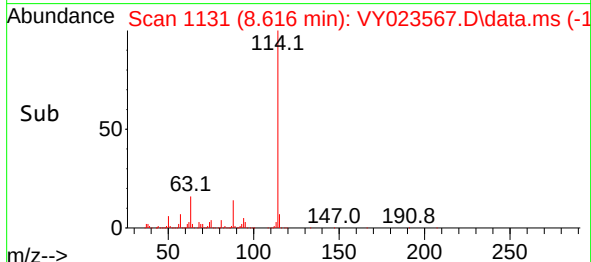
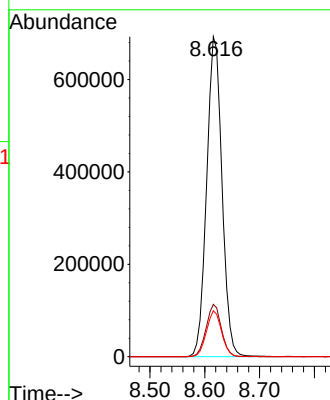
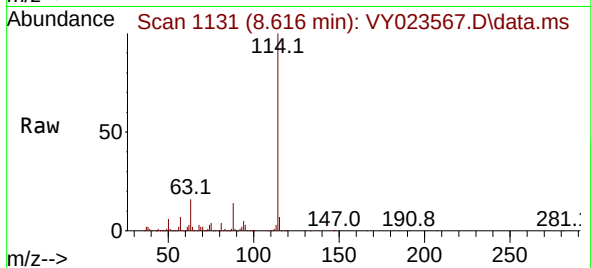
Tgt Ion:114 Resp: 1341909

Ion Ratio Lower Upper

114 100

63 16.4 0.0 34.2

88 14.4 0.0 28.4



#35

Dibromofluoromethane

Concen: 51.454 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY023567.D

Acq: 24 Oct 2025 12:54

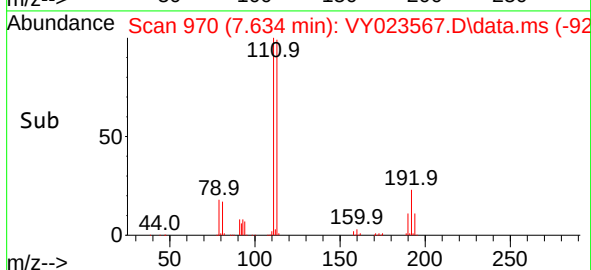
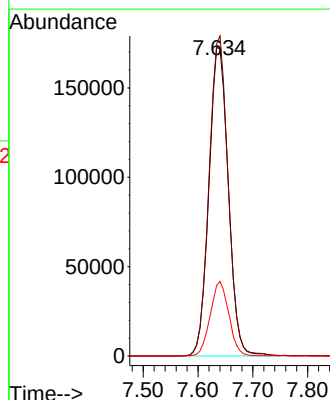
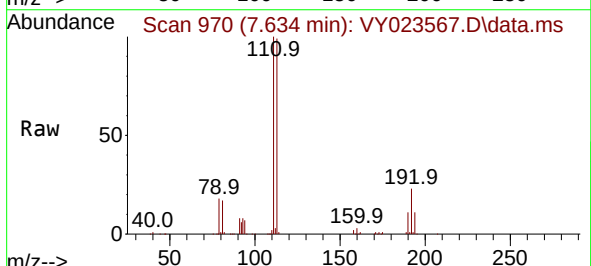
Tgt Ion:113 Resp: 424256

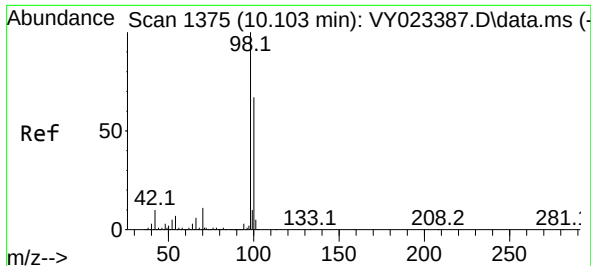
Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.6

192 23.2 18.0 27.0

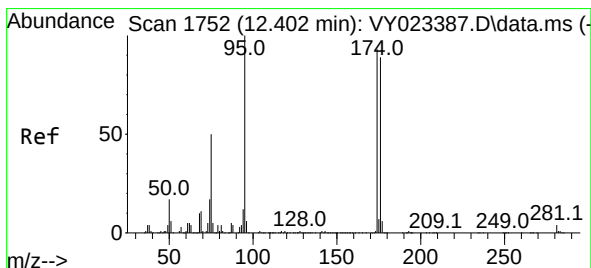
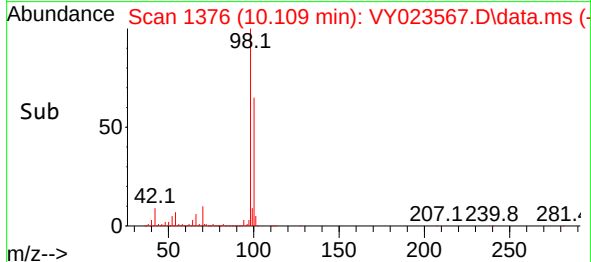
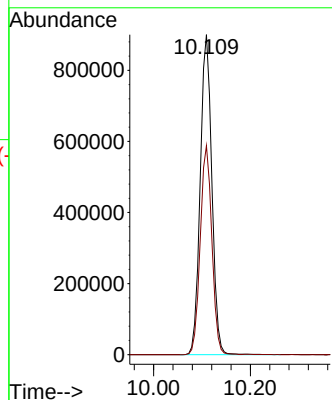
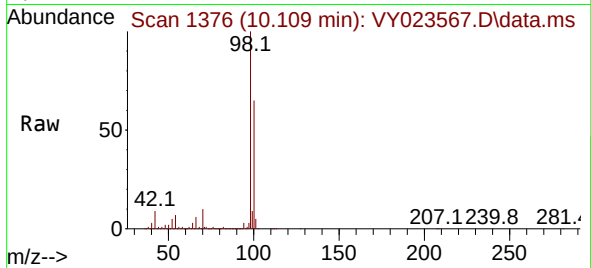




#50
Toluene-d8
Concen: 48.696 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023567.D
Acq: 24 Oct 2025 12:54

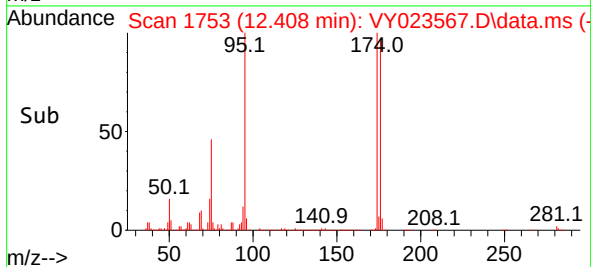
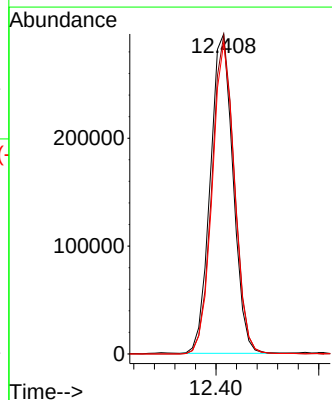
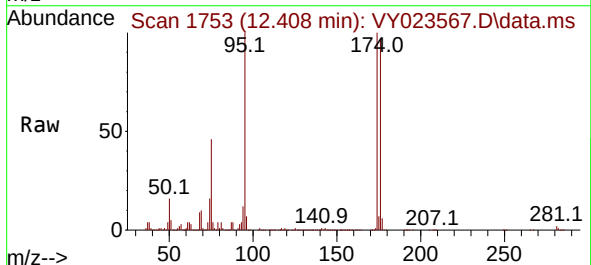
Instrument :
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EO-01-102325

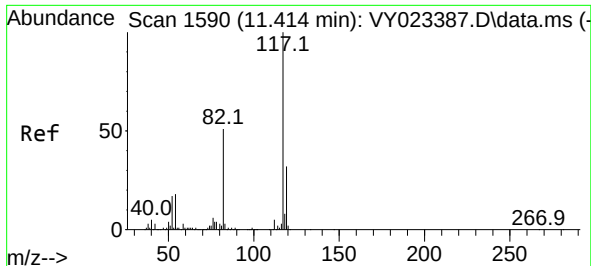
Tgt Ion: 98 Resp: 1495295
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 45.061 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023567.D
Acq: 24 Oct 2025 12:54

Tgt Ion: 95 Resp: 456819
Ion Ratio Lower Upper
95 100
174 98.3 0.0 192.8
176 94.9 0.0 187.6

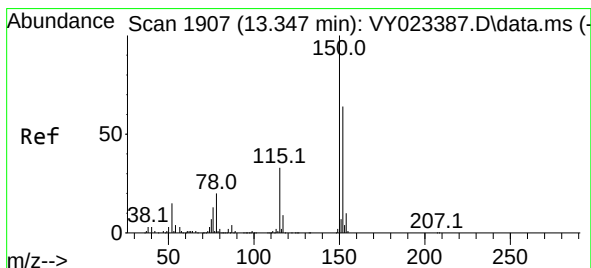
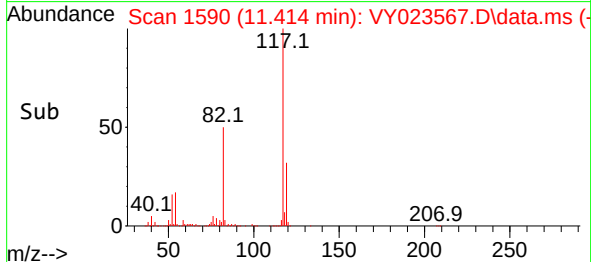
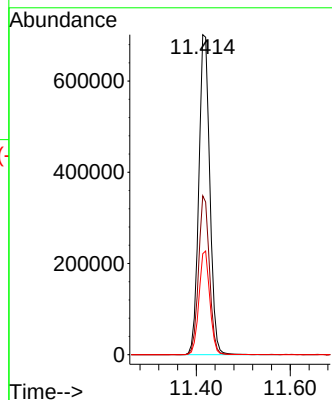
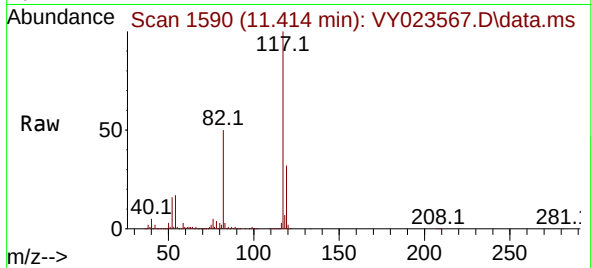




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023567.D
Acq: 24 Oct 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-102325

Tgt Ion:117 Resp: 1144043
Ion Ratio Lower Upper
117 100
82 49.6 41.0 61.4
119 31.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023567.D
Acq: 24 Oct 2025 12:54

Tgt Ion:152 Resp: 505065
Ion Ratio Lower Upper
152 100
115 53.7 27.1 81.2
150 156.3 0.0 347.4

