

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023264.D
 Acq On : 02 Sep 2025 14:47
 Operator : SY/MD
 Sample : Q2995-01
 Misc : 4.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT5427

Quant Time: Sep 03 03:31:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	621428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1173724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1093463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	468802	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	331335	55.944	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.880%
35) Dibromofluoromethane	7.634	113	383830	54.652	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.300%
50) Toluene-d8	10.109	98	1385069	50.482	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.960%
62) 4-Bromofluorobenzene	12.402	95	444594	50.387	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.780%

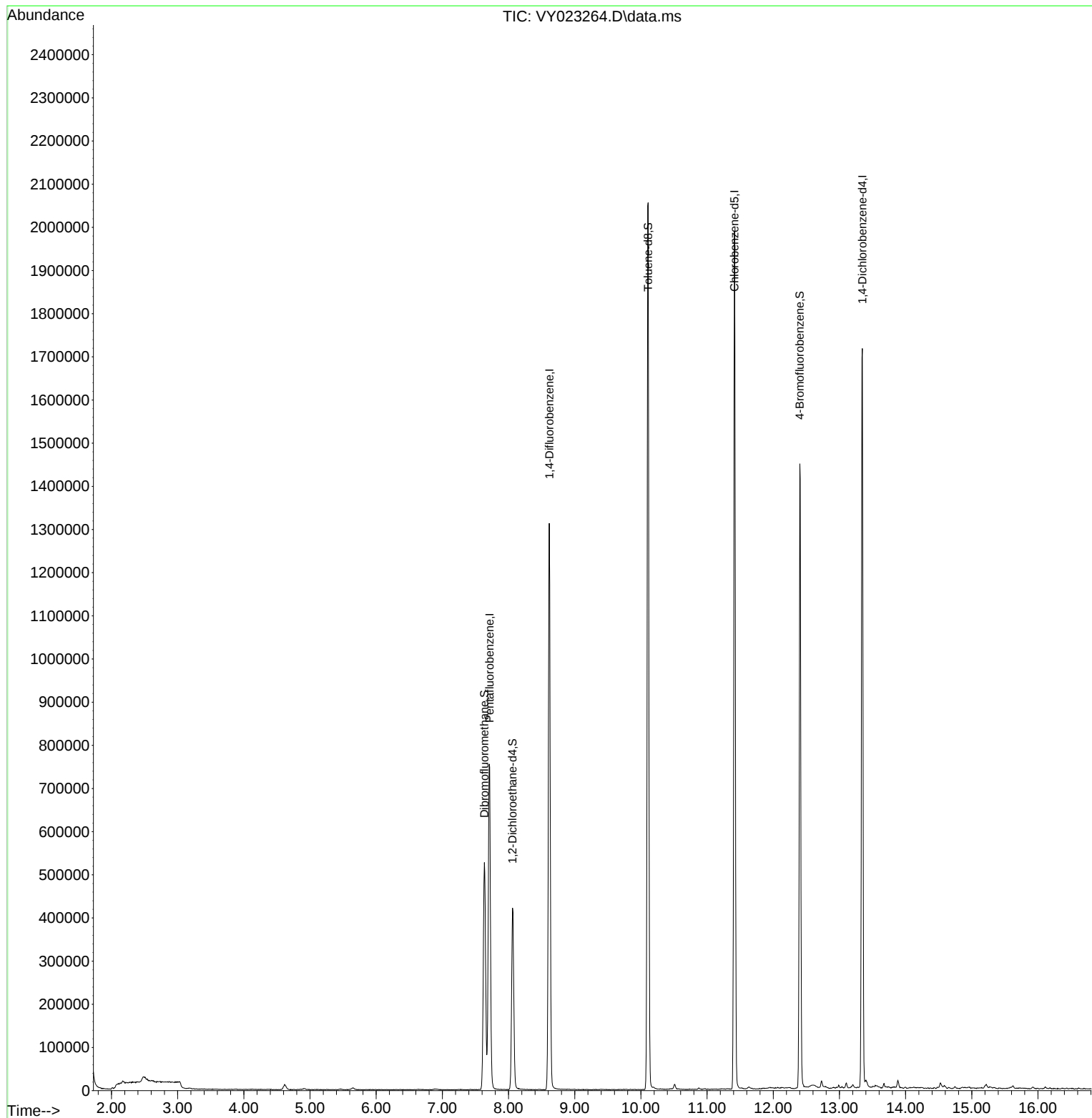
Target Compounds	Qvalue

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

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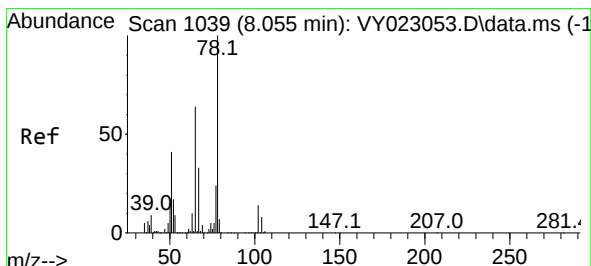
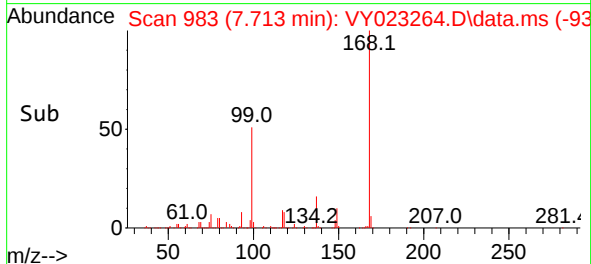
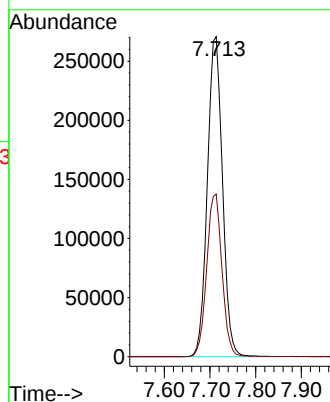
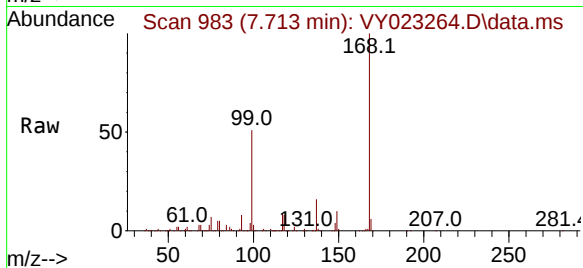




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023264.D
Acq: 02 Sep 2025 14:47

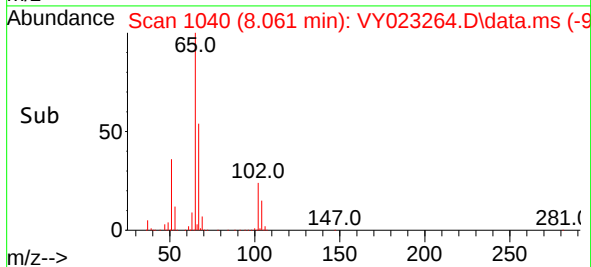
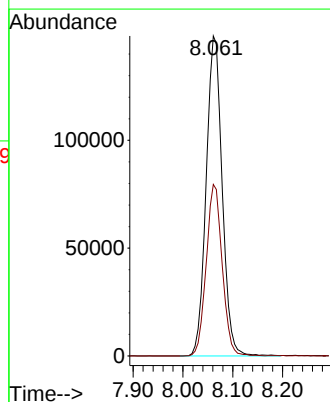
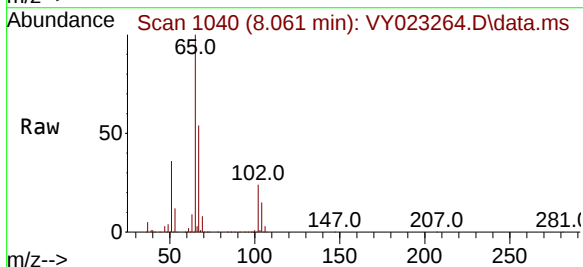
Instrument :
MSVOA_Y
ClientSampleId :
RT5427

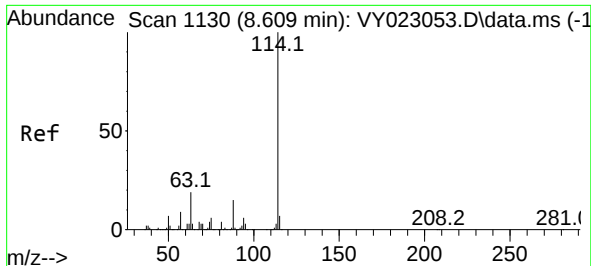
Tgt Ion:168 Resp: 621428
Ion Ratio Lower Upper
168 100
99 50.9 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 55.944 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023264.D
Acq: 02 Sep 2025 14:47

Tgt Ion: 65 Resp: 331335
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# 1130

Delta R.T. 0.006 min

Lab File: VY023264.D

Acq: 02 Sep 2025 14:47

Instrument :

MSVOA_Y

ClientSampleId :

RT5427

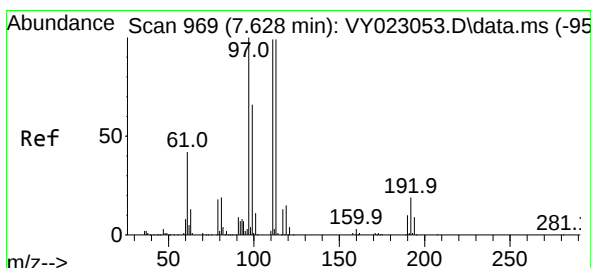
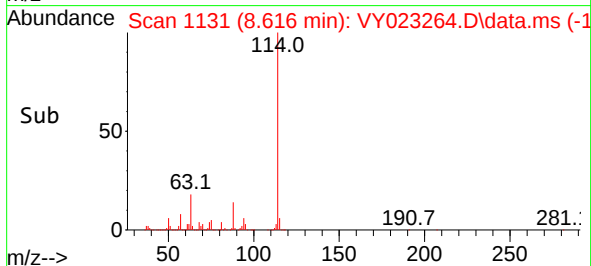
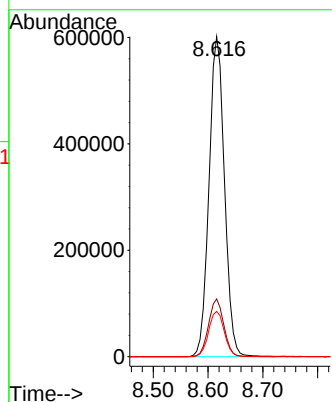
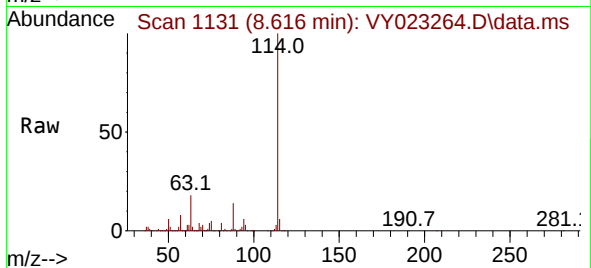
Tgt Ion:114 Resp: 1173724

Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.4

88 14.1 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.652 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023264.D

Acq: 02 Sep 2025 14:47

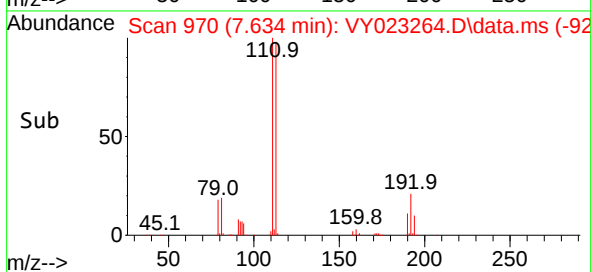
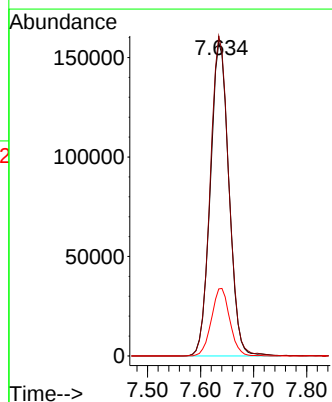
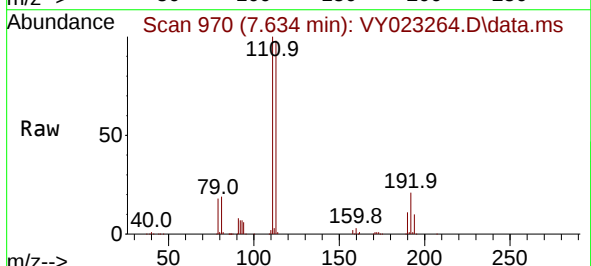
Tgt Ion:113 Resp: 383830

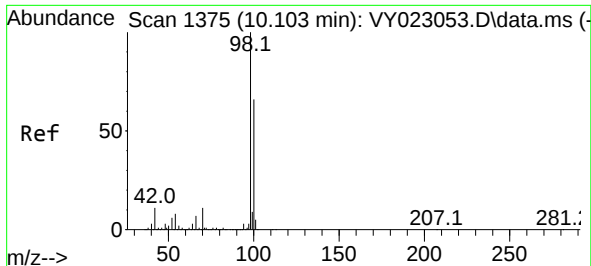
Ion Ratio Lower Upper

113 100

111 102.0 81.1 121.7

192 21.3 16.2 24.4

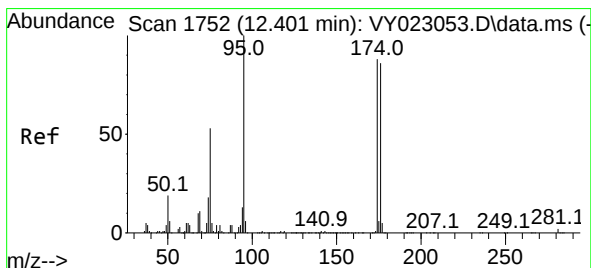
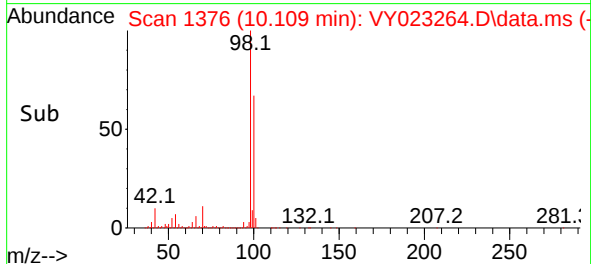
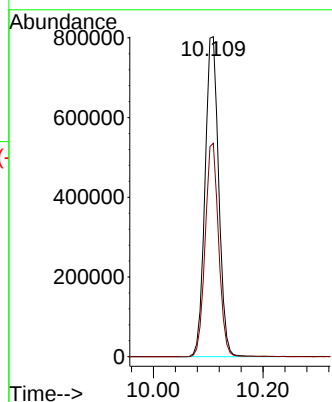
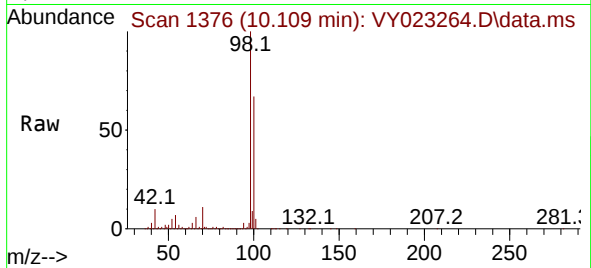




#50
Toluene-d8
Concen: 50.482 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023264.D
Acq: 02 Sep 2025 14:47

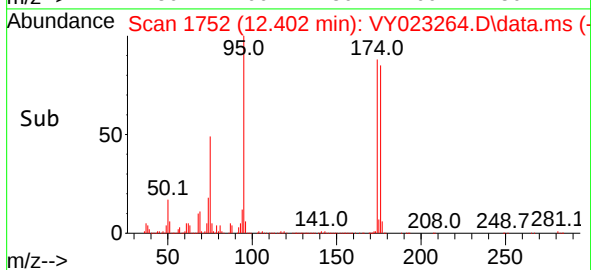
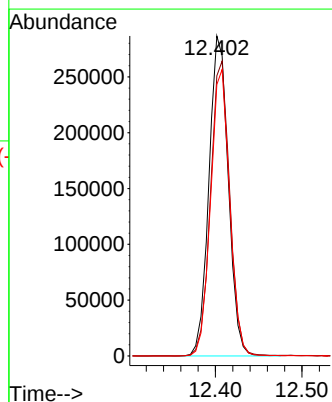
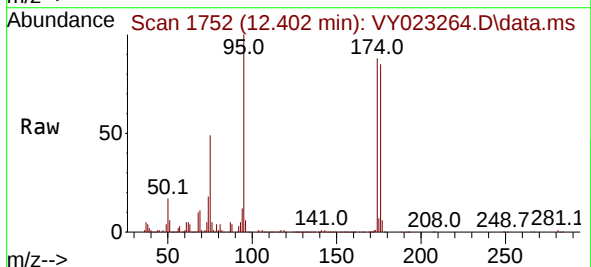
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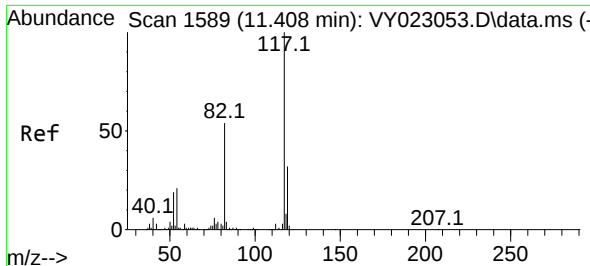
Tgt Ion: 98 Resp: 1385069
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 50.387 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023264.D
Acq: 02 Sep 2025 14:47

Tgt Ion: 95 Resp: 444594
Ion Ratio Lower Upper
95 100
174 91.8 0.0 171.6
176 88.5 0.0 167.6

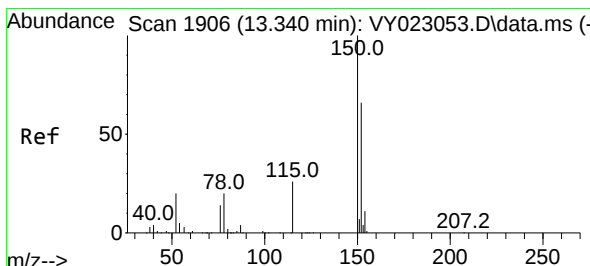
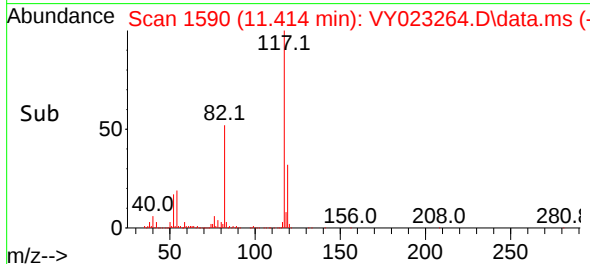
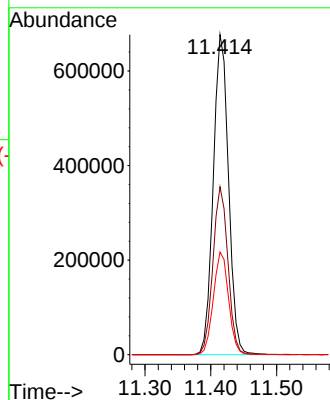
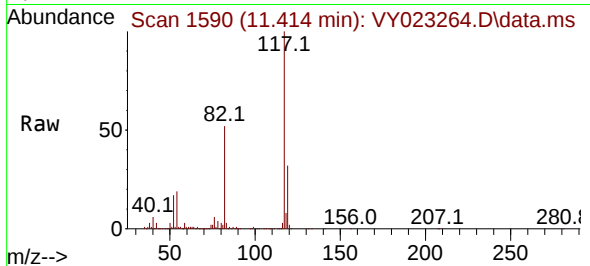




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023264.D
Acq: 02 Sep 2025 14:47

Instrument :
MSVOA_Y
ClientSampleId :
RT5427

Tgt Ion:117 Resp: 1093463
Ion Ratio Lower Upper
117 100
82 52.4 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: VY023264.D
Acq: 02 Sep 2025 14:47

Tgt Ion:152 Resp: 468802
Ion Ratio Lower Upper
152 100
115 55.3 28.2 84.6
150 156.2 0.0 348.0

