

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023534.D
 Acq On : 21 Oct 2025 14:59
 Operator : SY/MD
 Sample : Q3399-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-ROLLOFF

Quant Time: Oct 22 12:28:11 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	803329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1303553	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1099444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	457774	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	336669	50.118	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.240%
35) Dibromofluoromethane	7.640	113	409395	51.112	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.220%
50) Toluene-d8	10.109	98	1472481	49.364	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.720%
62) 4-Bromofluorobenzene	12.408	95	421770	42.828	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.660%

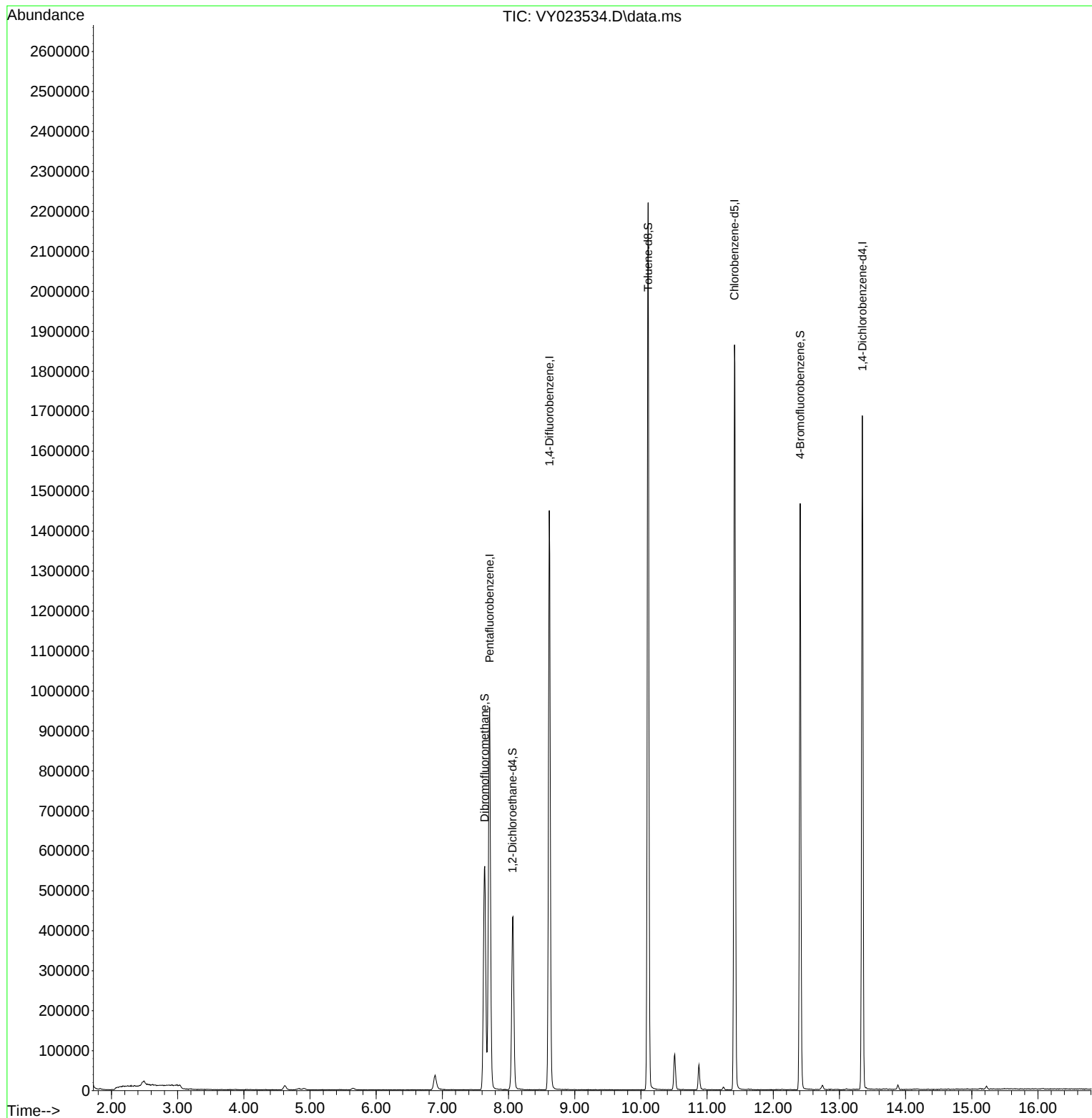
Target Compounds	Qvalue

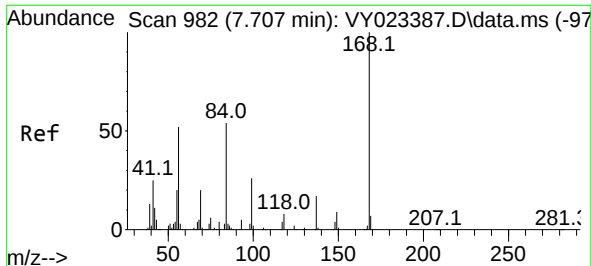
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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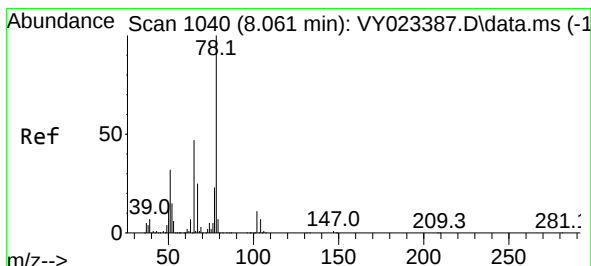
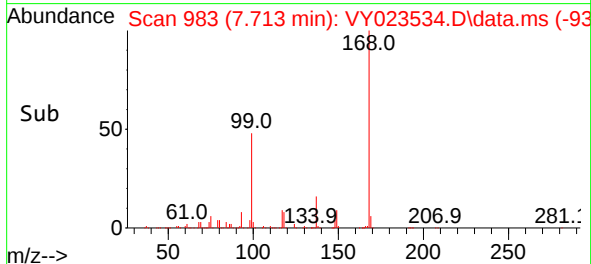
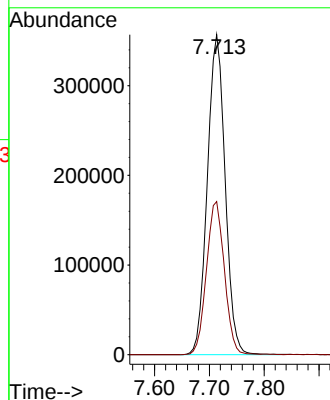
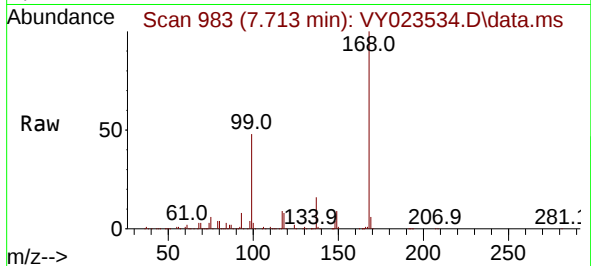




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023534.D
Acq: 21 Oct 2025 14:59

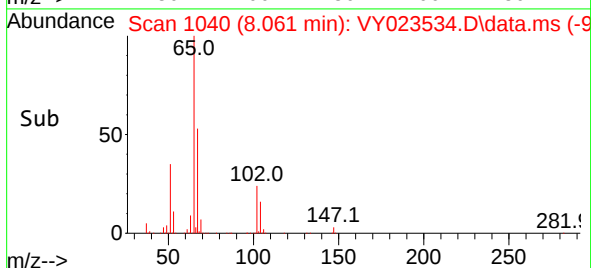
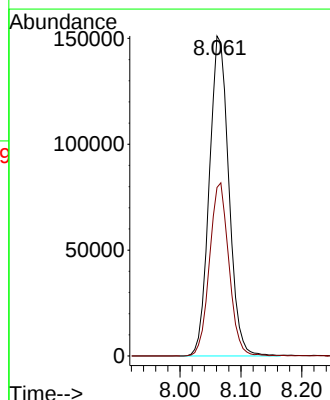
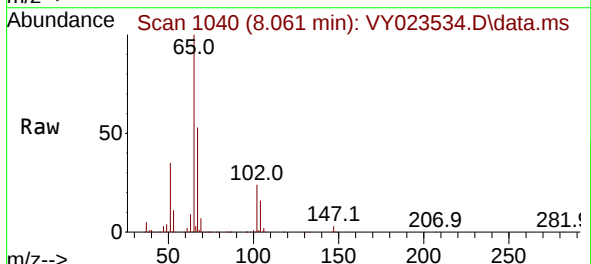
Instrument :
MSVOA_Y
ClientSampleId :
COMP-ROLLOFF

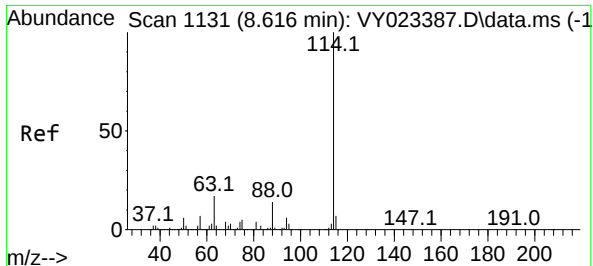
Tgt Ion:168 Resp: 803329
Ion Ratio Lower Upper
168 100
99 47.9 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 50.118 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023534.D
Acq: 21 Oct 2025 14:59

Tgt Ion: 65 Resp: 336669
Ion Ratio Lower Upper
65 100
67 53.7 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: VY023534.D

Acq: 21 Oct 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

COMP-ROLLOFF

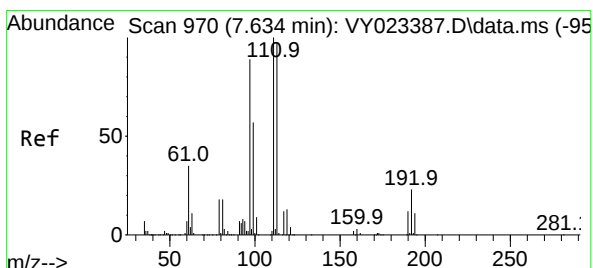
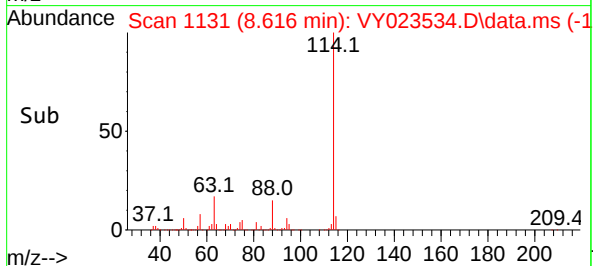
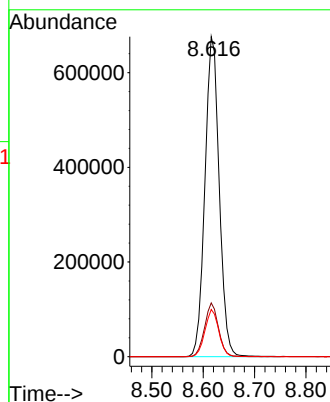
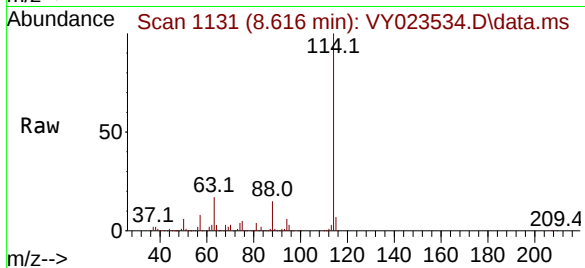
Tgt Ion:114 Resp: 1303553

Ion Ratio Lower Upper

114 100

63 16.8 0.0 38.4

88 14.7 0.0 30.0



#35

Dibromofluoromethane

Concen: 51.112 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY023534.D

Acq: 21 Oct 2025 14:59

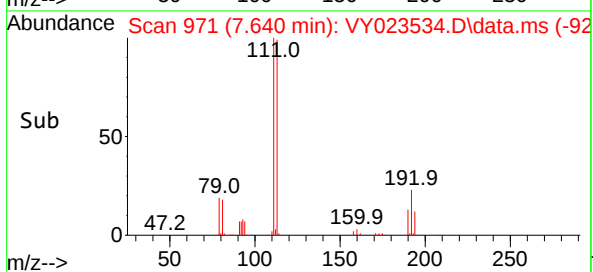
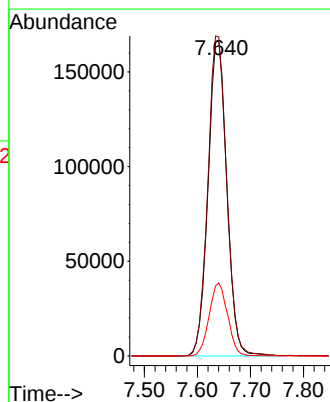
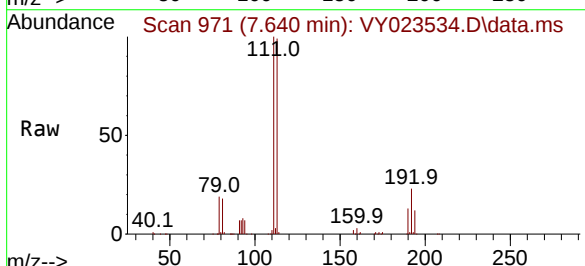
Tgt Ion:113 Resp: 409395

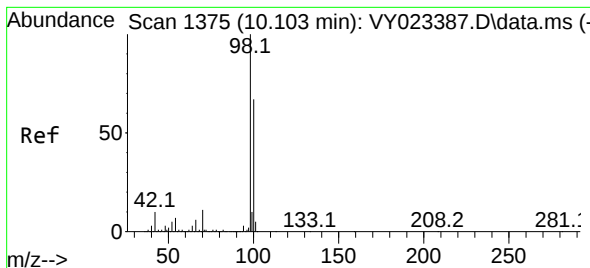
Ion Ratio Lower Upper

113 100

111 102.0 81.1 121.7

192 22.7 16.2 24.4

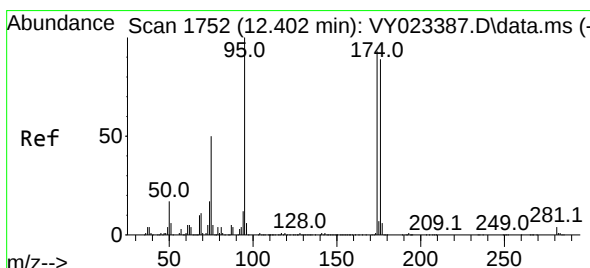
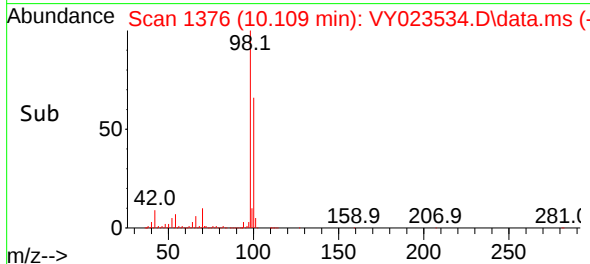
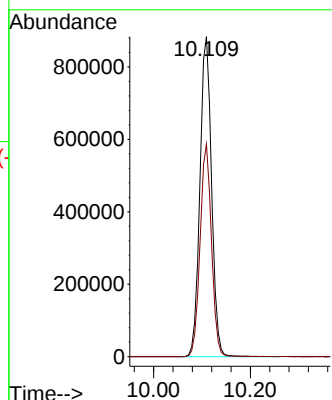
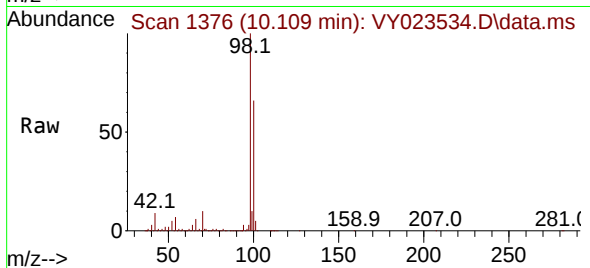




#50
Toluene-d8
Concen: 49.364 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023534.D
Acq: 21 Oct 2025 14:59

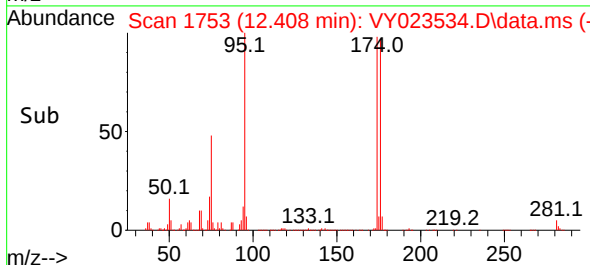
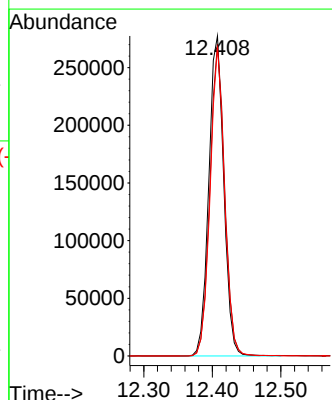
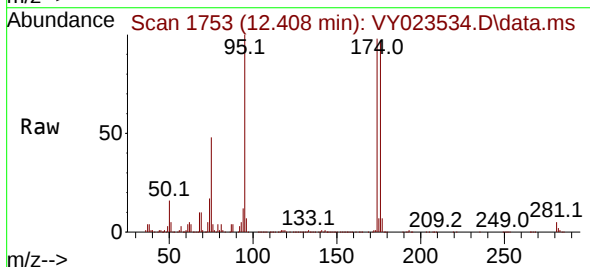
Instrument :
MSVOA_Y
ClientSampleId :
COMP-ROLLOFF

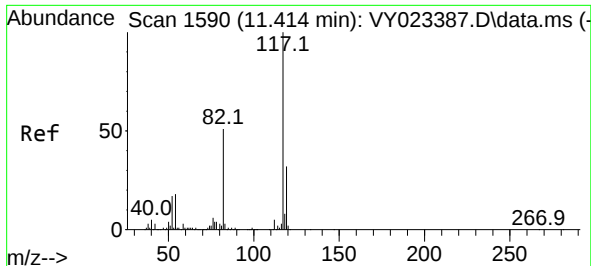
Tgt Ion: 98 Resp: 1472481
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 42.828 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023534.D
Acq: 21 Oct 2025 14:59

Tgt Ion: 95 Resp: 421770
Ion Ratio Lower Upper
95 100
174 96.2 0.0 171.6
176 93.0 0.0 167.6

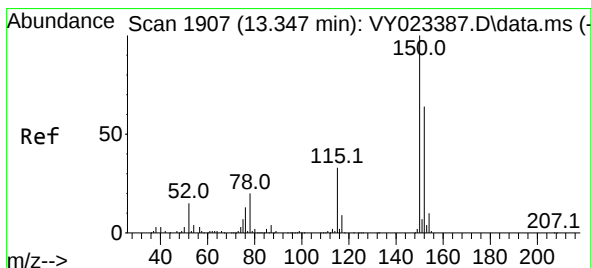
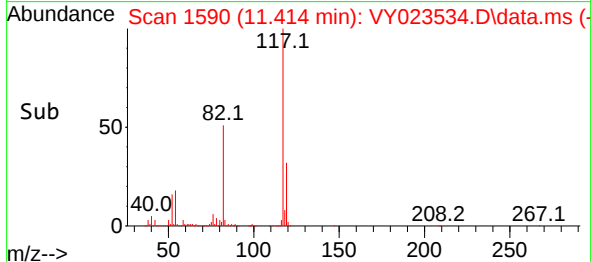
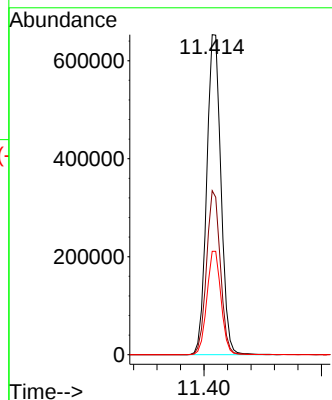
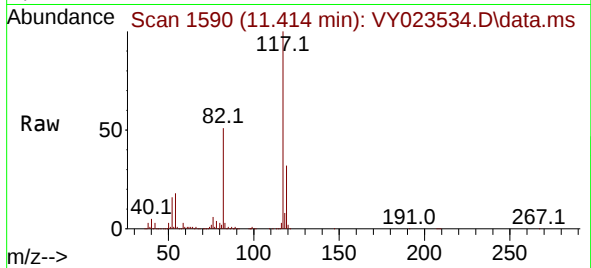




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY023534.D
Acq: 21 Oct 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
COMP-ROLLOFF

Tgt Ion:117 Resp: 1099444
Ion Ratio Lower Upper
117 100
82 51.2 43.4 65.0
119 32.3 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: VY023534.D
Acq: 21 Oct 2025 14:59

Tgt Ion:152 Resp: 457774
Ion Ratio Lower Upper
152 100
115 54.3 28.2 84.6
150 156.5 0.0 348.0

