

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
 Data File : VY023589.D
 Acq On : 27 Oct 2025 11:20
 Operator : SY/MD
 Sample : Q3457-01
 Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-102425

Quant Time: Oct 28 04:38:02 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	762185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1244785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	985397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	364961	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	303420	47.606	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.220%
35) Dibromofluoromethane	7.640	113	380112	49.697	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.400%
50) Toluene-d8	10.109	98	1381551	48.502	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.000%
62) 4-Bromofluorobenzene	12.408	95	355330	37.785	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.560%

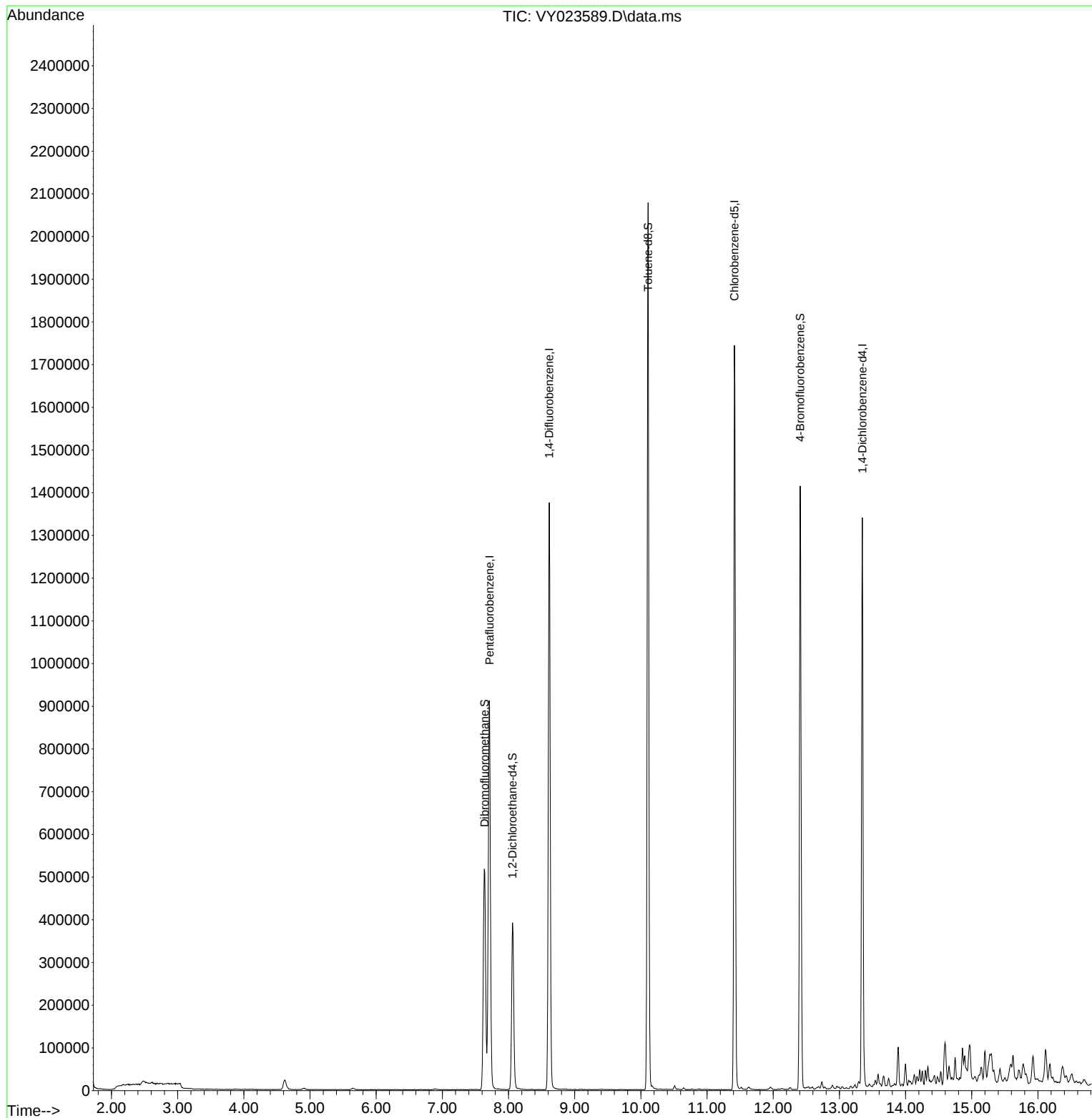
Target Compounds	Qvalue

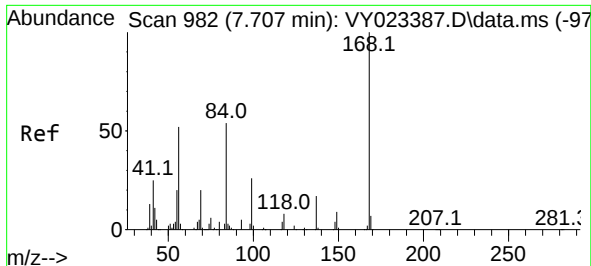
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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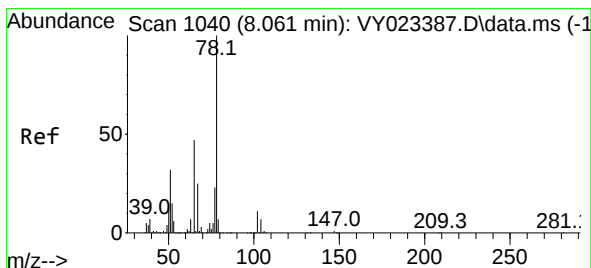
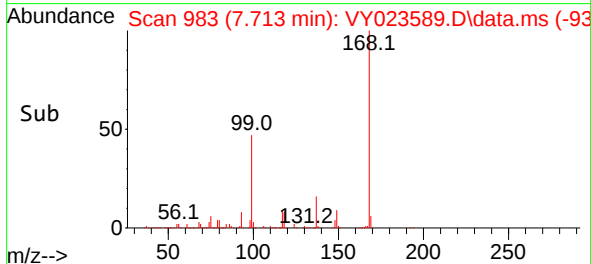
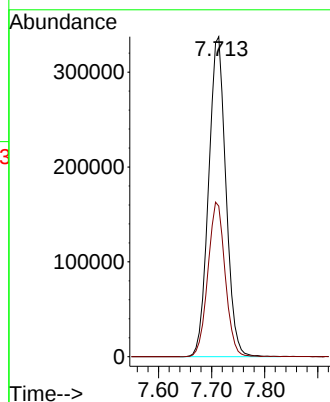
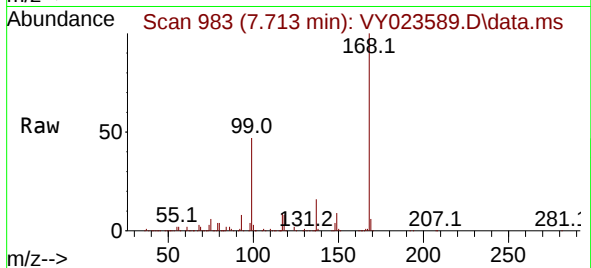




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023589.D
Acq: 27 Oct 2025 11:20

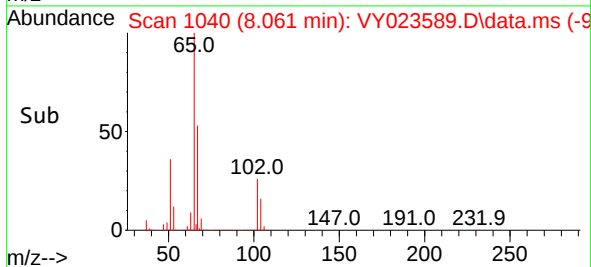
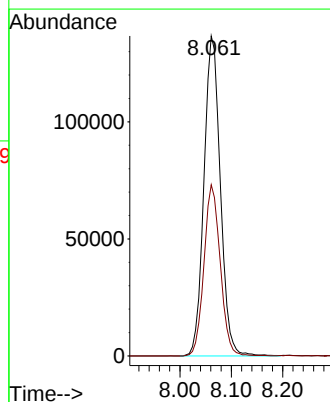
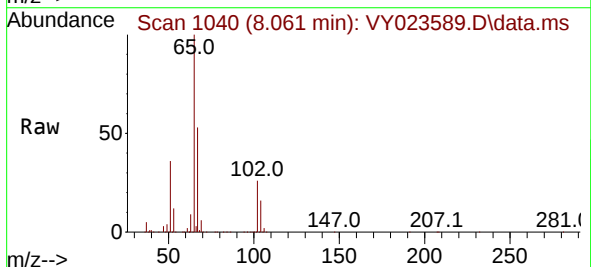
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-102425

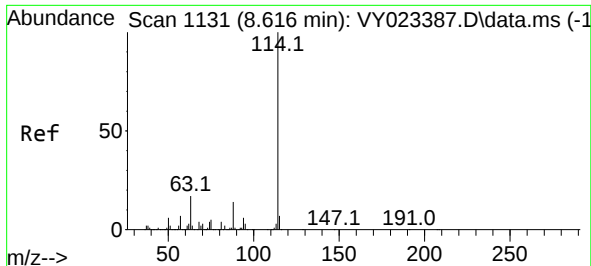
Tgt Ion:168 Resp: 762185
Ion Ratio Lower Upper
168 100
99 47.1 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 47.606 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023589.D
Acq: 27 Oct 2025 11:20

Tgt Ion: 65 Resp: 303420
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.8

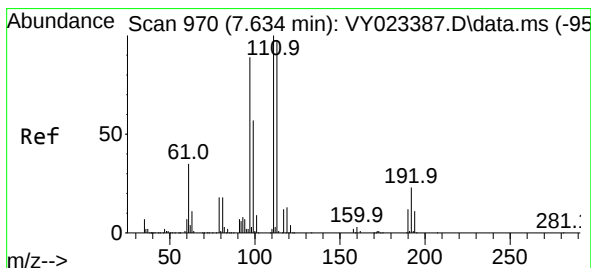
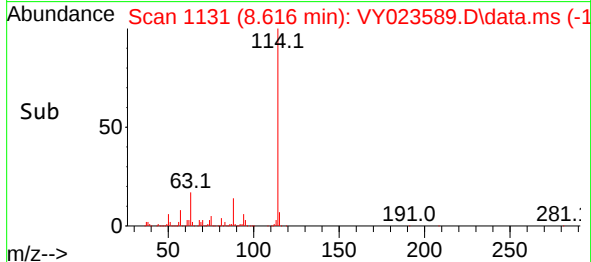
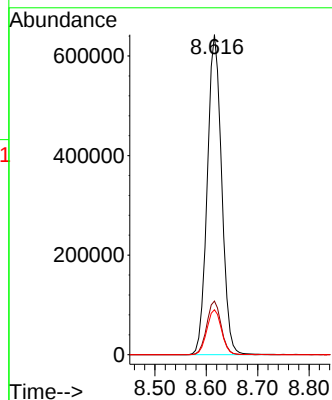
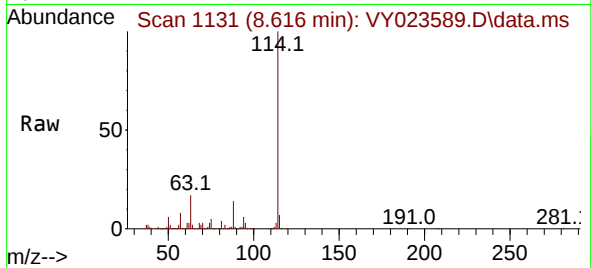




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023589.D
Acq: 27 Oct 2025 11:20

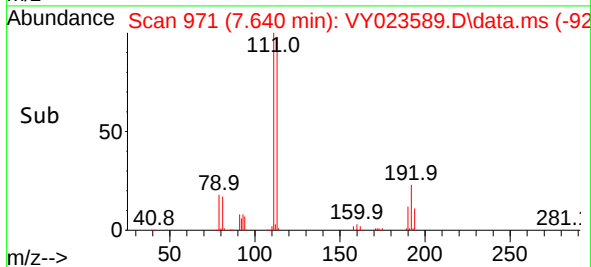
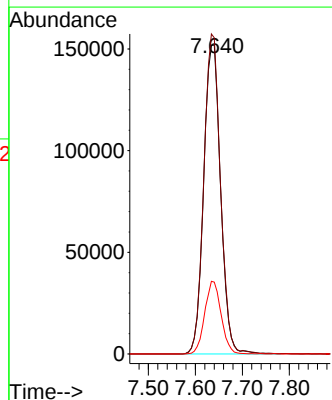
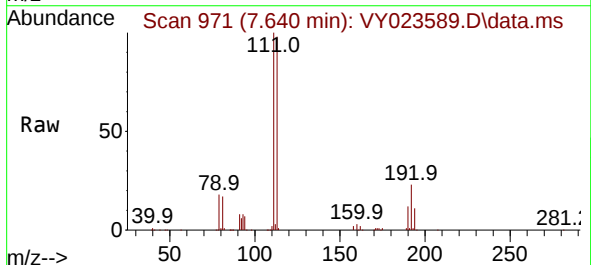
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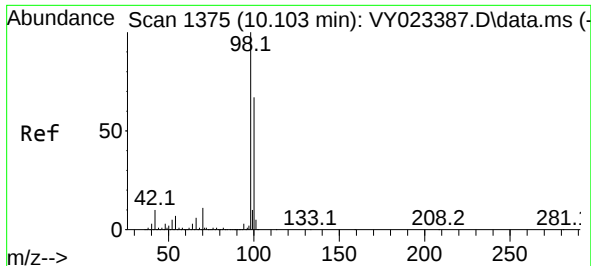
Tgt Ion:114 Resp: 1244785
Ion Ratio Lower Upper
114 100
63 16.7 0.0 34.2
88 14.0 0.0 28.4



#35
Dibromofluoromethane
Concen: 49.697 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023589.D
Acq: 27 Oct 2025 11:20

Tgt Ion:113 Resp: 380112
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.6
192 22.8 18.0 27.0

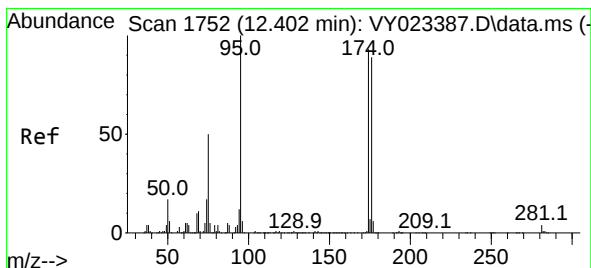
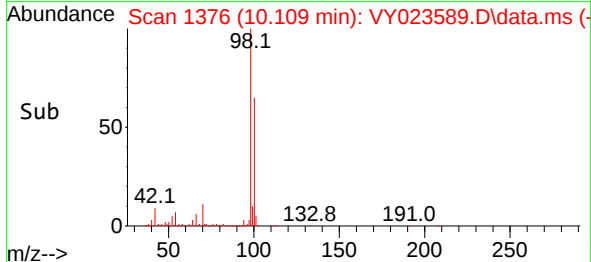
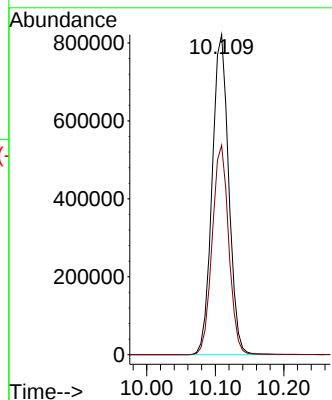
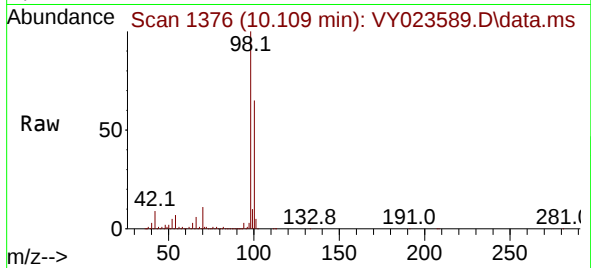




#50
Toluene-d8
Concen: 48.502 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023589.D
Acq: 27 Oct 2025 11:20

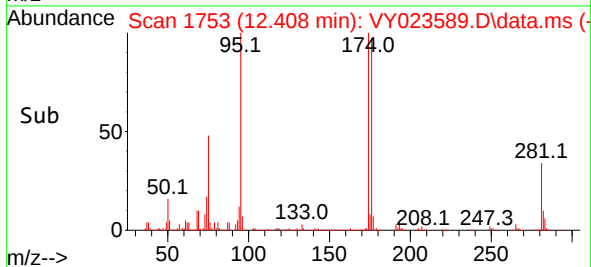
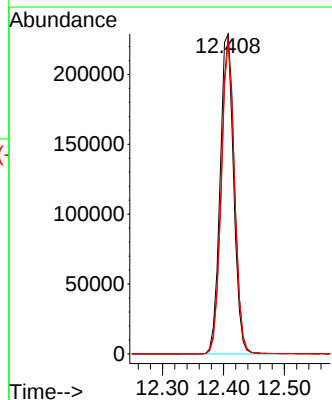
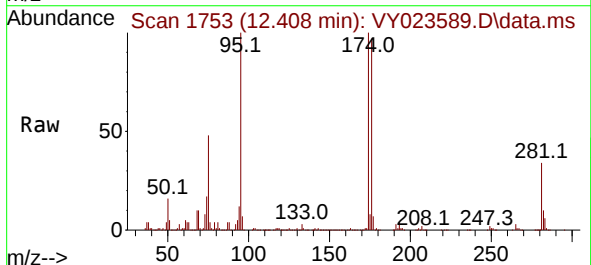
Instrument :
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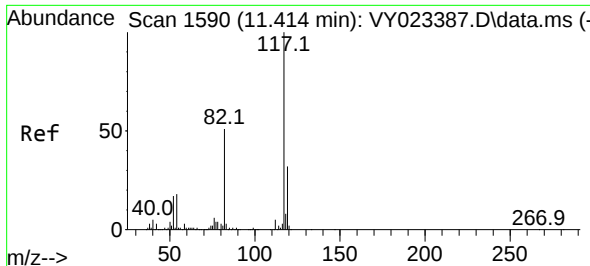
Tgt Ion: 98 Resp: 1381551
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 37.785 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023589.D
Acq: 27 Oct 2025 11:20

Tgt Ion: 95 Resp: 355330
Ion Ratio Lower Upper
95 100
174 98.0 0.0 192.8
176 94.4 0.0 187.6

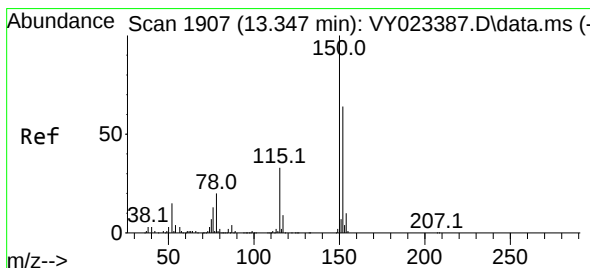
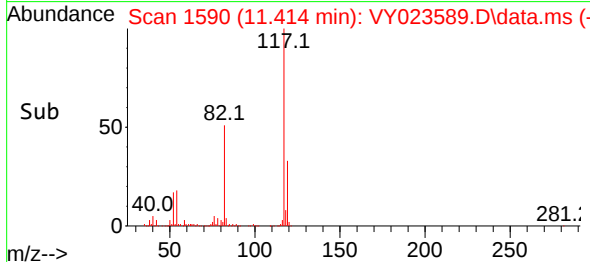
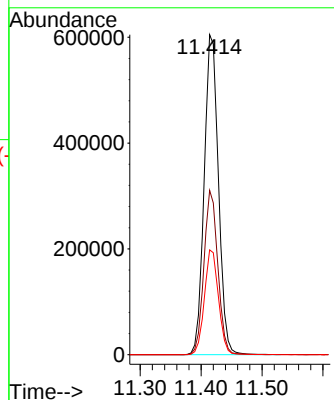
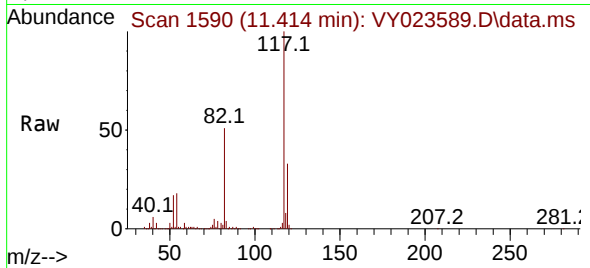




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023589.D
Acq: 27 Oct 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-102425

Tgt Ion:117 Resp: 985397
Ion Ratio Lower Upper
117 100
82 51.4 41.0 61.4
119 32.8 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: VY023589.D
Acq: 27 Oct 2025 11:20

Tgt Ion:152 Resp: 364961
Ion Ratio Lower Upper
152 100
115 53.9 27.1 81.2
150 155.9 0.0 347.4

