

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023769.D
 Acq On : 12 Nov 2025 17:18
 Operator : SY/MD
 Sample : Q3614-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-2

Quant Time: Nov 14 03:41:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	747129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1293422	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1145506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	473781	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	394760	61.942	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.880%
35) Dibromofluoromethane	7.634	113	420174	51.982	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.960%
50) Toluene-d8	10.103	98	1474719	48.978	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.960%
62) 4-Bromofluorobenzene	12.401	95	458179	47.054	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.100%

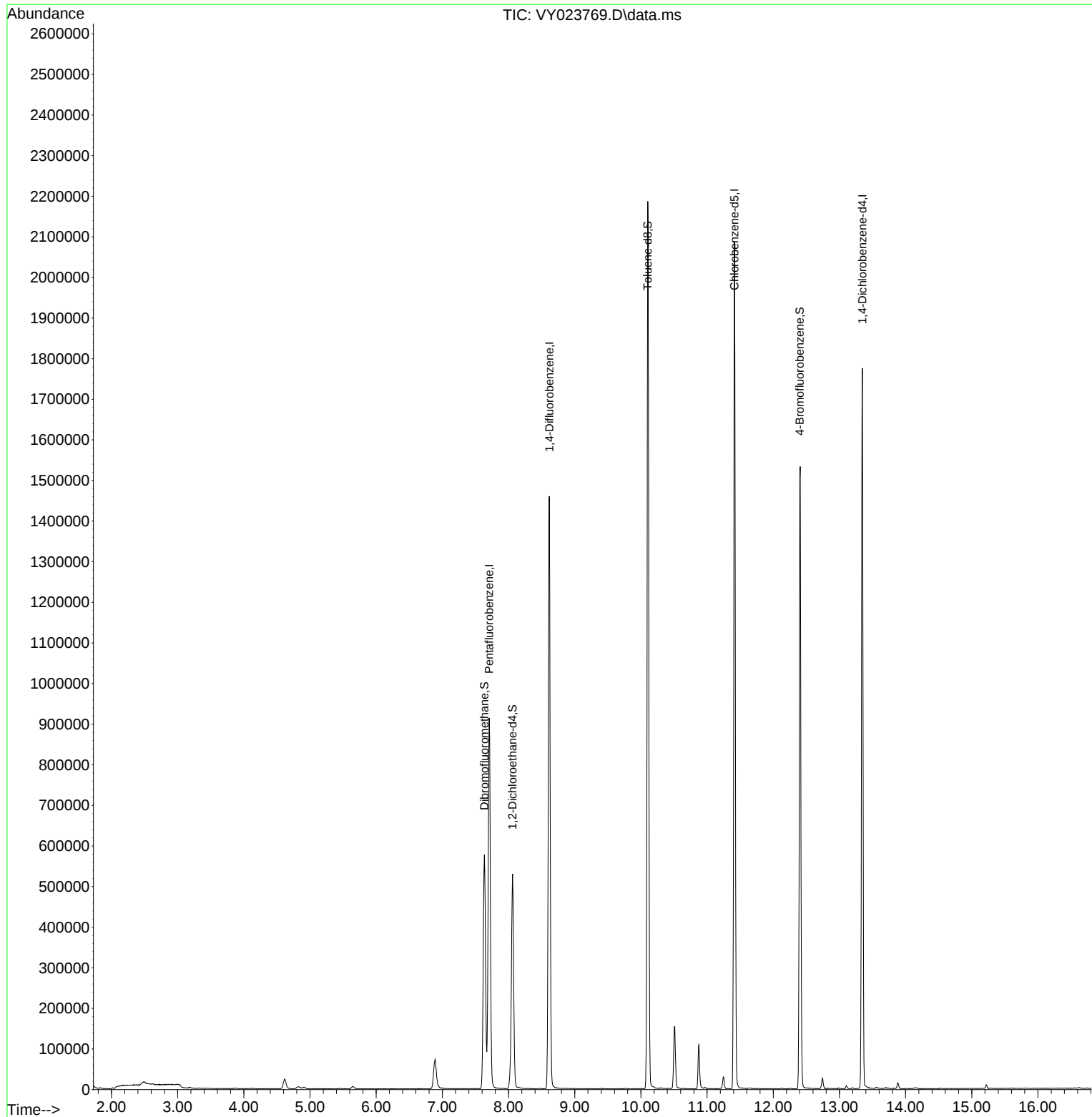
Target Compounds	Qvalue

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

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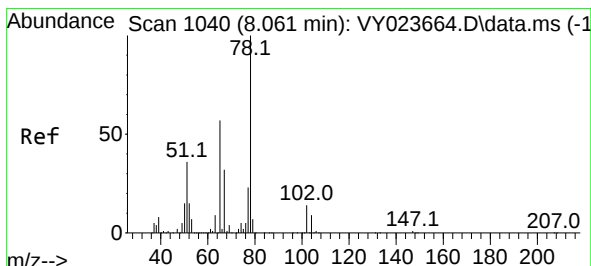
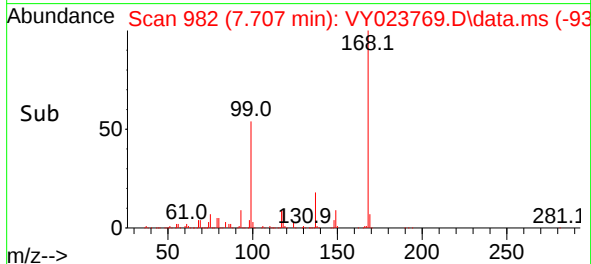
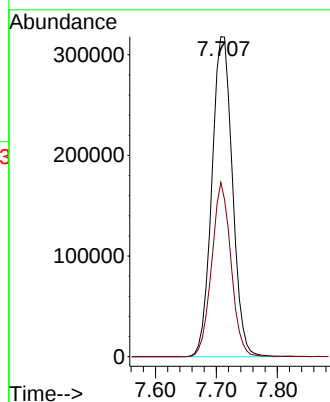
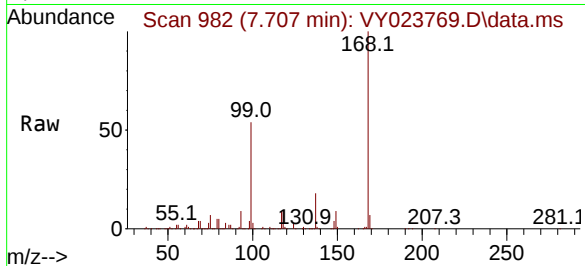




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023769.D
Acq: 12 Nov 2025 17:18

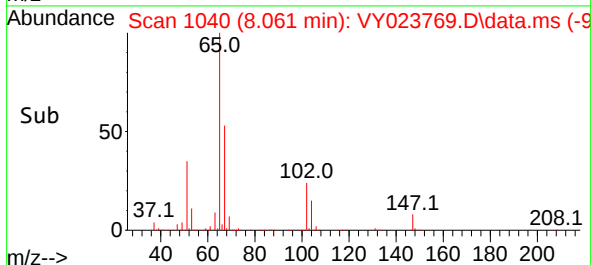
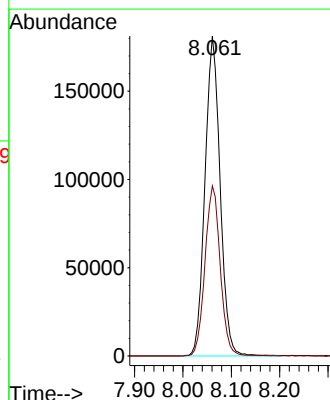
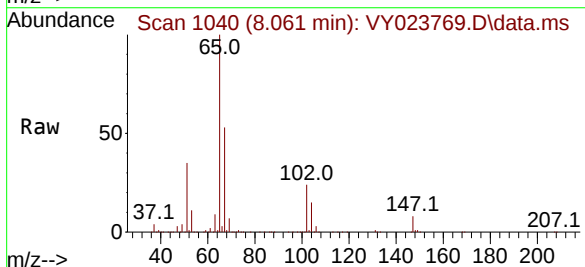
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

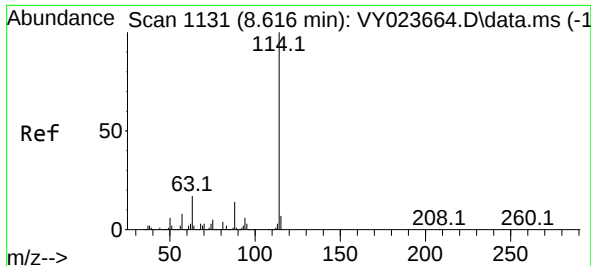
Tgt Ion:168 Resp: 747129
Ion Ratio Lower Upper
168 100
99 54.5 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 61.942 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023769.D
Acq: 12 Nov 2025 17:18

Tgt Ion: 65 Resp: 394760
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.4

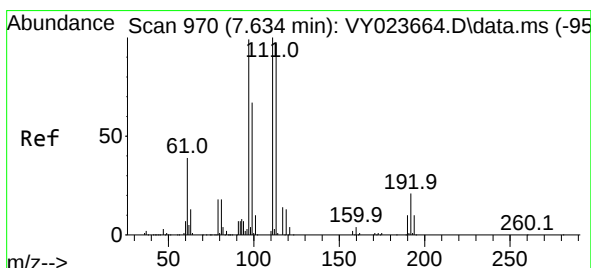
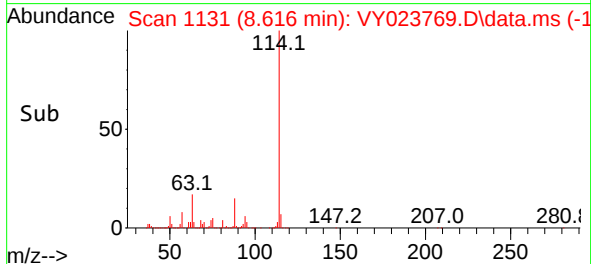
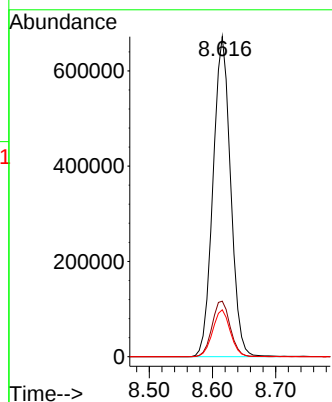
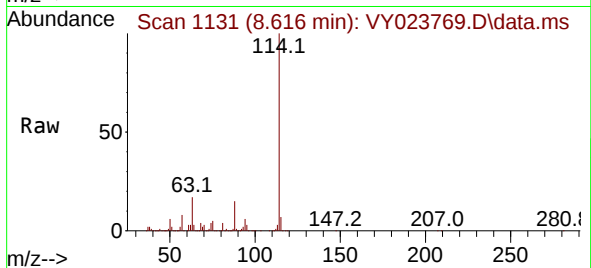




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023769.D
Acq: 12 Nov 2025 17:18

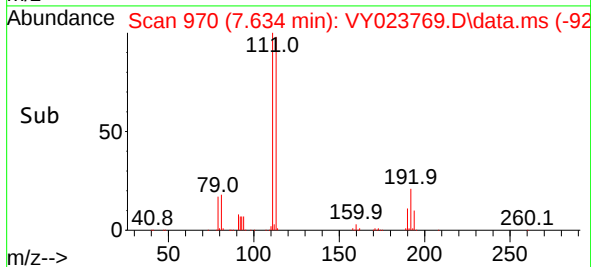
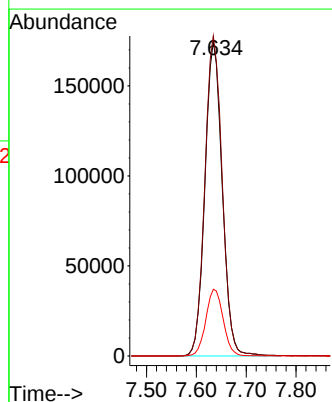
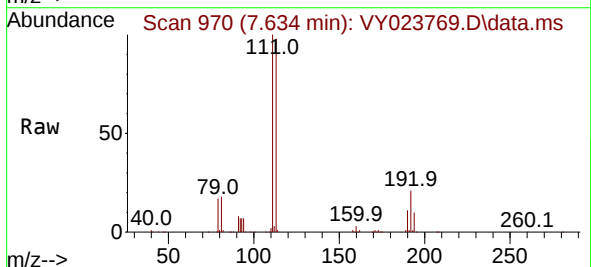
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

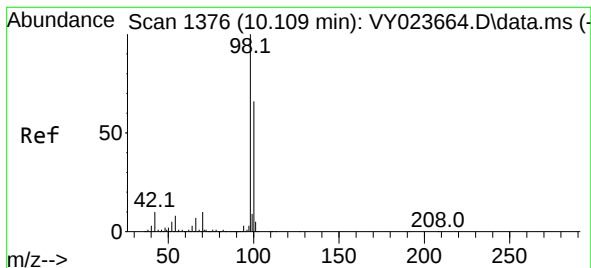
Tgt Ion:114 Resp: 1293422
Ion Ratio Lower Upper
114 100
63 17.4 0.0 33.8
88 14.7 0.0 29.0



#35
Dibromofluoromethane
Concen: 51.982 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023769.D
Acq: 12 Nov 2025 17:18

Tgt Ion:113 Resp: 420174
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.4
192 21.3 17.3 25.9

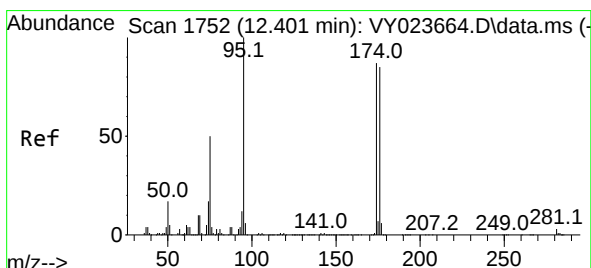
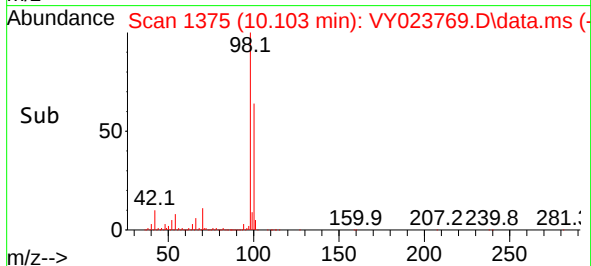
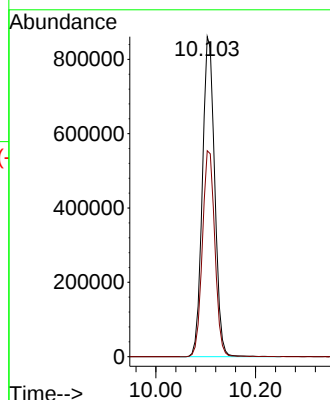
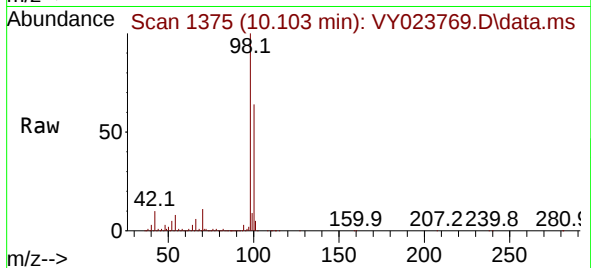




#50
Toluene-d8
Concen: 48.978 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY023769.D
Acq: 12 Nov 2025 17:18

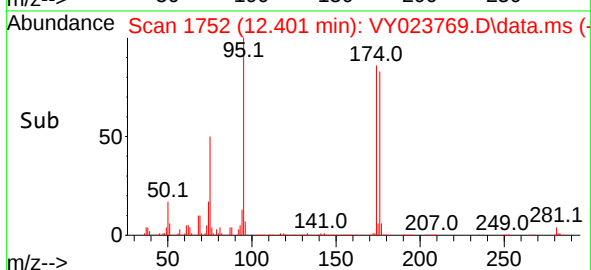
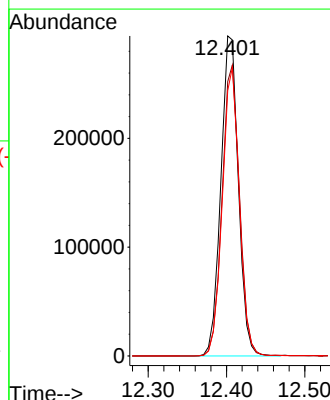
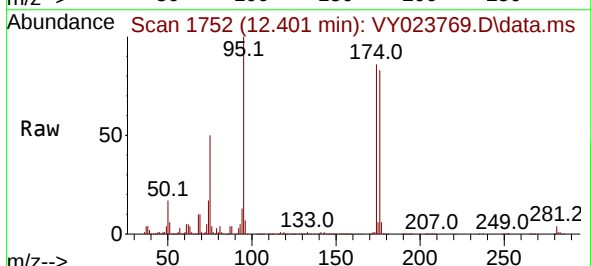
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

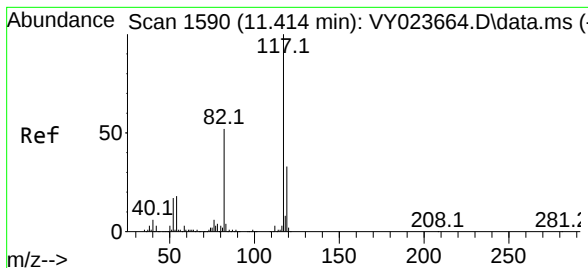
Tgt Ion: 98 Resp: 1474719
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 47.054 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023769.D
Acq: 12 Nov 2025 17:18

Tgt Ion: 95 Resp: 458179
Ion Ratio Lower Upper
95 100
174 90.6 0.0 184.8
176 88.1 0.0 181.6

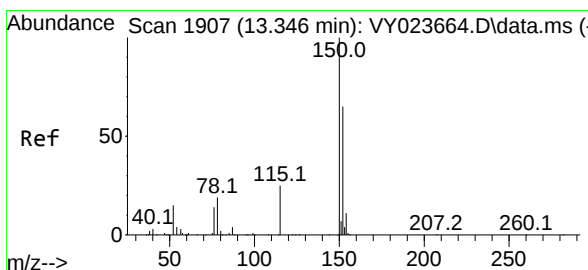
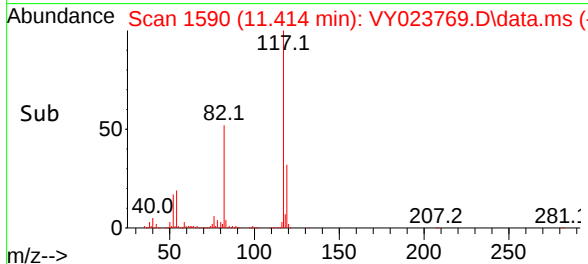
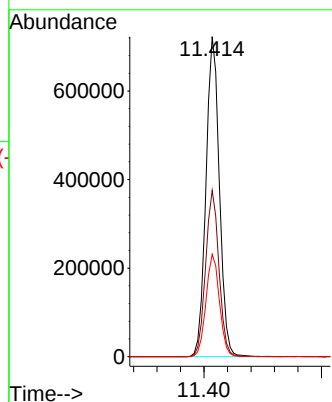
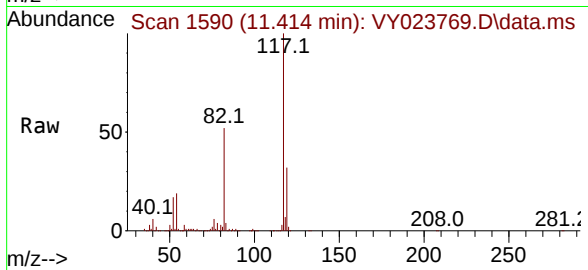




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY023769.D
Acq: 12 Nov 2025 17:18

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Tgt Ion:117 Resp: 1145506
Ion Ratio Lower Upper
117 100
82 51.9 41.2 61.8
119 32.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023769.D
Acq: 12 Nov 2025 17:18

Tgt Ion:152 Resp: 473781
Ion Ratio Lower Upper
152 100
115 56.9 27.5 82.5
150 156.5 0.0 349.0

