

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023570.D
 Acq On : 24 Oct 2025 14:04
 Operator : SY/MD
 Sample : Q3440-03
 Misc : 4.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JB-2-VOC

Quant Time: Oct 24 23:51:13 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	825035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1332011	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1099582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	431429	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	352355	51.073	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.140%
35) Dibromofluoromethane	7.640	113	420809	51.415	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.820%
50) Toluene-d8	10.109	98	1473386	48.339	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.680%
62) 4-Bromofluorobenzene	12.408	95	403373	40.085	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.160%

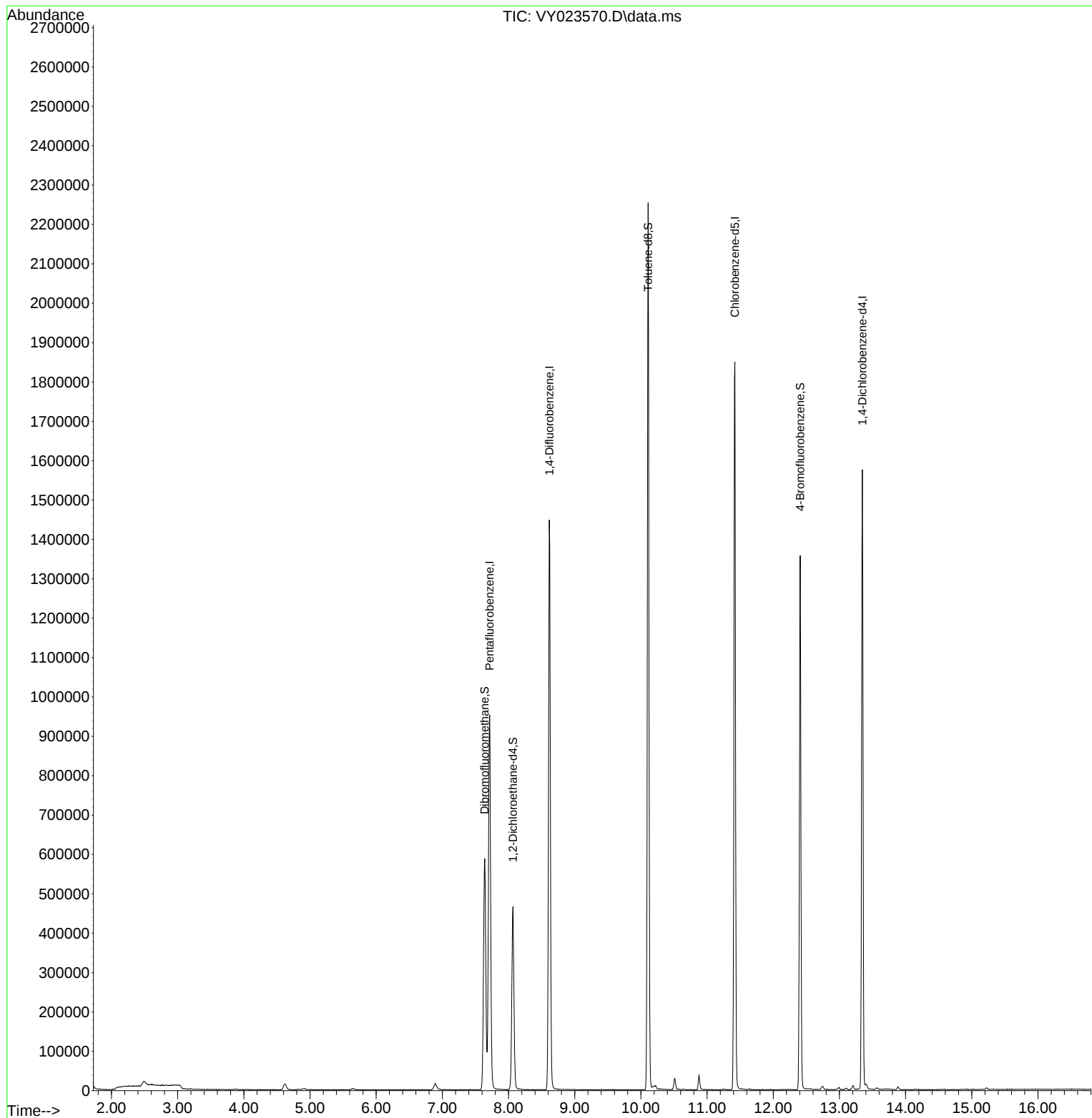
Target Compounds	Qvalue

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

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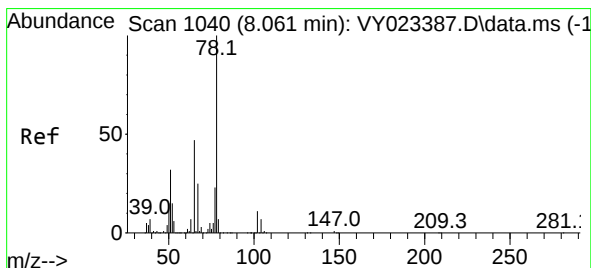
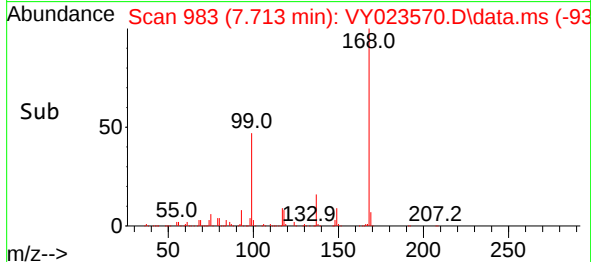
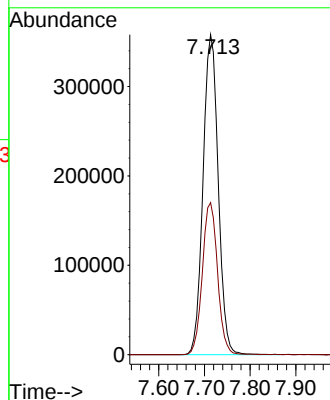
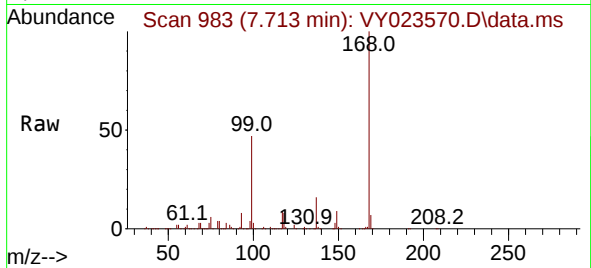




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023570.D
Acq: 24 Oct 2025 14:04

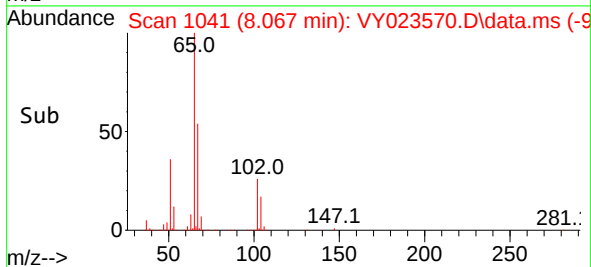
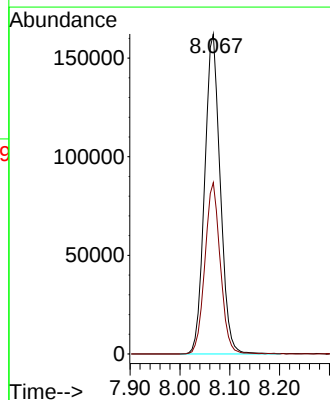
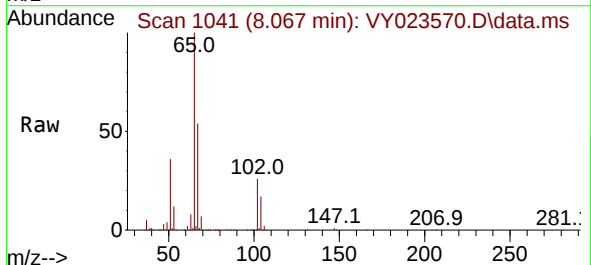
Instrument :
MSVOA_Y
ClientSampleId :
JB-2-VOC

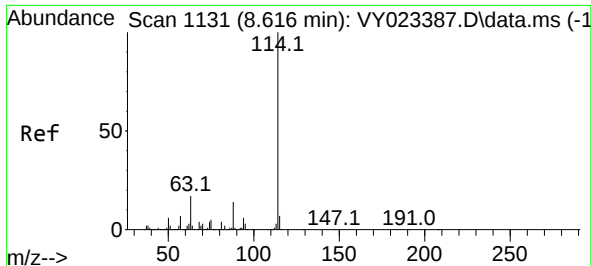
Tgt Ion:168 Resp: 825035
Ion Ratio Lower Upper
168 100
99 47.5 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 51.073 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023570.D
Acq: 24 Oct 2025 14:04

Tgt Ion: 65 Resp: 352355
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8

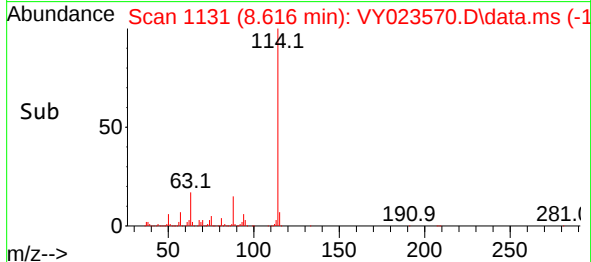
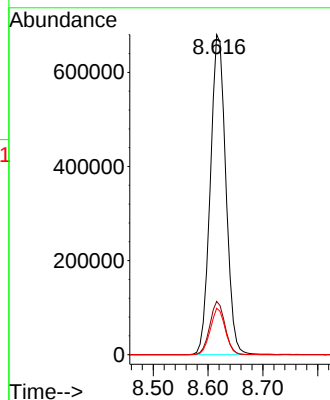
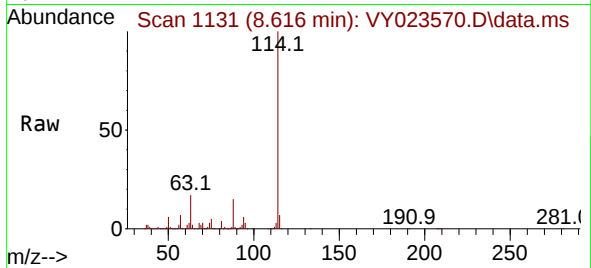




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023570.D
Acq: 24 Oct 2025 14:04

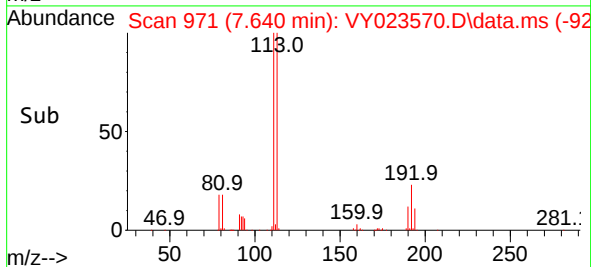
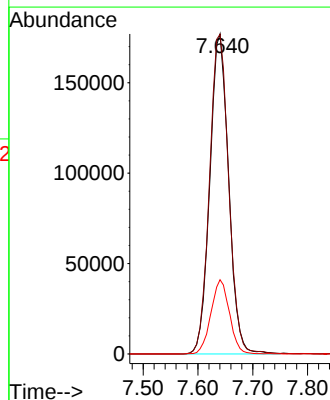
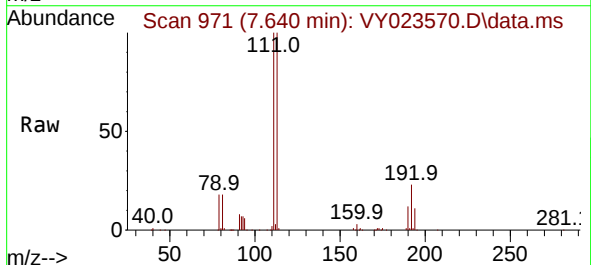
Instrument :
MSVOA_Y
ClientSampleId :
JB-2-VOC

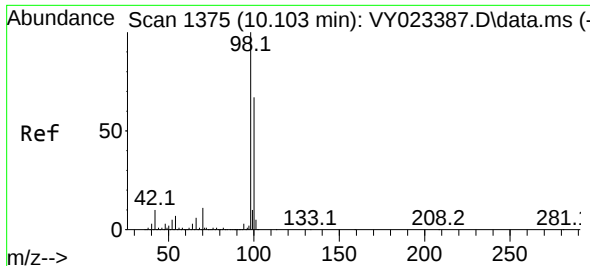
Tgt Ion:114 Resp: 1332011
Ion Ratio Lower Upper
114 100
63 16.6 0.0 34.2
88 14.5 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.415 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023570.D
Acq: 24 Oct 2025 14:04

Tgt Ion:113 Resp: 420809
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.6
192 22.8 18.0 27.0

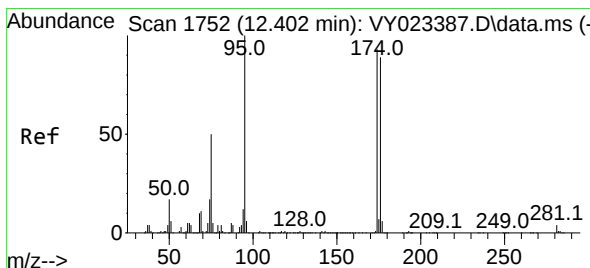
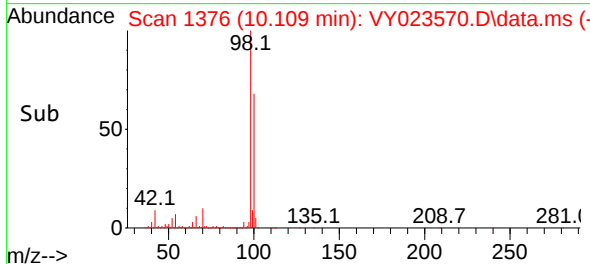
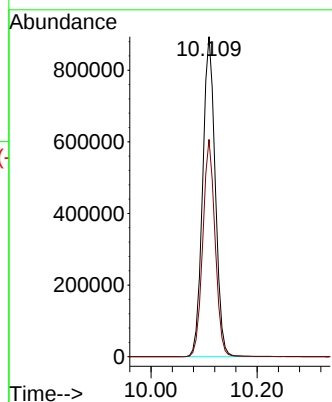
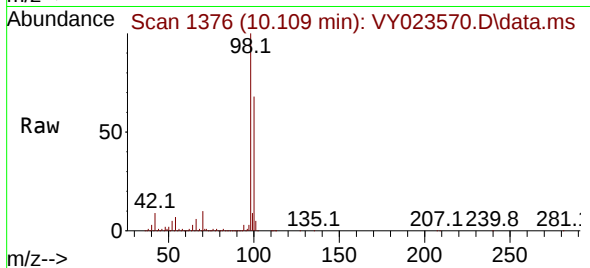




#50
Toluene-d8
Concen: 48.339 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023570.D
Acq: 24 Oct 2025 14:04

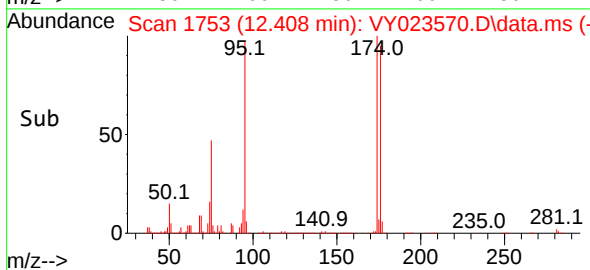
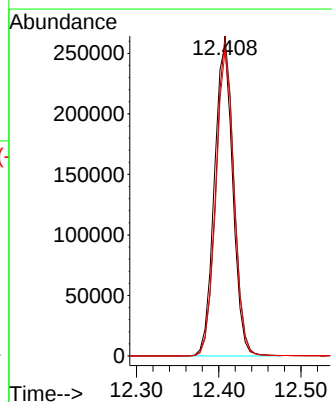
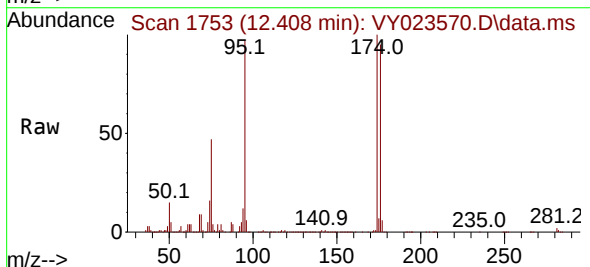
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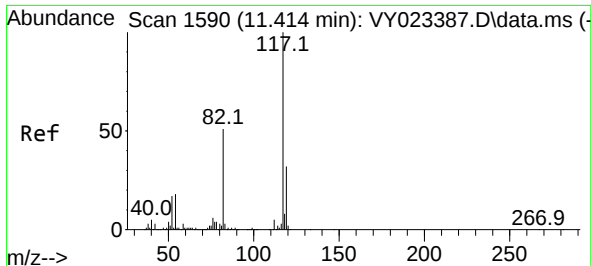
Tgt Ion: 98 Resp: 1473386
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 40.085 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023570.D
Acq: 24 Oct 2025 14:04

Tgt Ion: 95 Resp: 403373
Ion Ratio Lower Upper
95 100
174 99.8 0.0 192.8
176 96.0 0.0 187.6

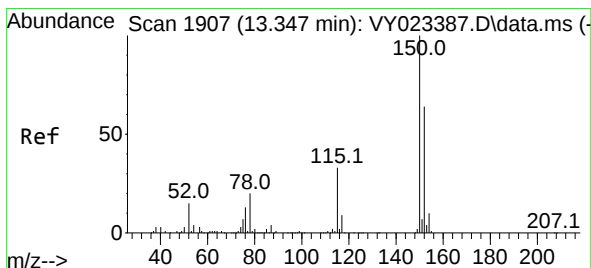
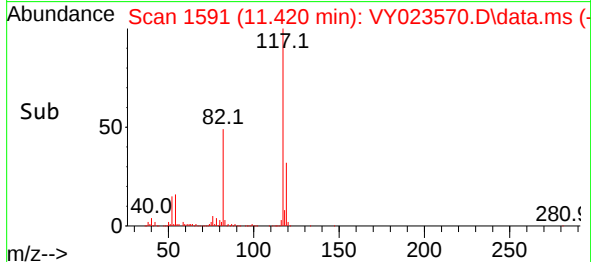
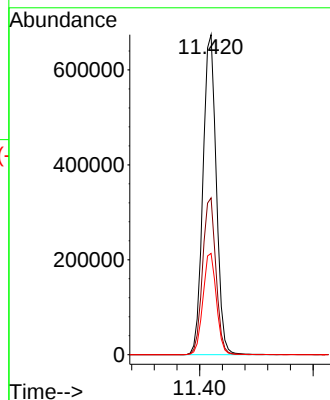
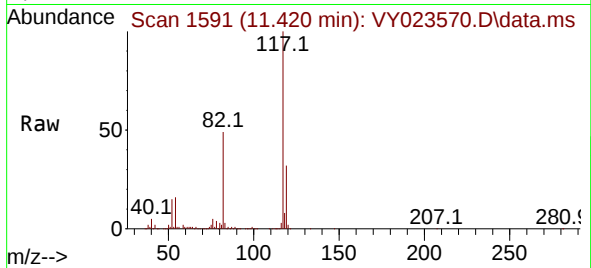




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023570.D
Acq: 24 Oct 2025 14:04

Instrument :
MSVOA_Y
ClientSampleId :
JB-2-VOC

Tgt Ion:117 Resp: 1099582
Ion Ratio Lower Upper
117 100
82 49.0 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: VY023570.D
Acq: 24 Oct 2025 14:04

Tgt Ion:152 Resp: 431429
Ion Ratio Lower Upper
152 100
115 53.2 27.1 81.2
150 154.9 0.0 347.4

