

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023138.D
 Acq On : 19 Aug 2025 09:49
 Operator : SY/MD
 Sample : VY0819SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0819SBL01

Quant Time: Aug 20 01:24:06 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	658468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1194271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1104701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	444569	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	335313	53.431	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.860%
35) Dibromofluoromethane	7.634	113	374747	52.441	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.880%
50) Toluene-d8	10.109	98	1432079	51.298	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.600%
62) 4-Bromofluorobenzene	12.402	95	444143	49.470	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.940%

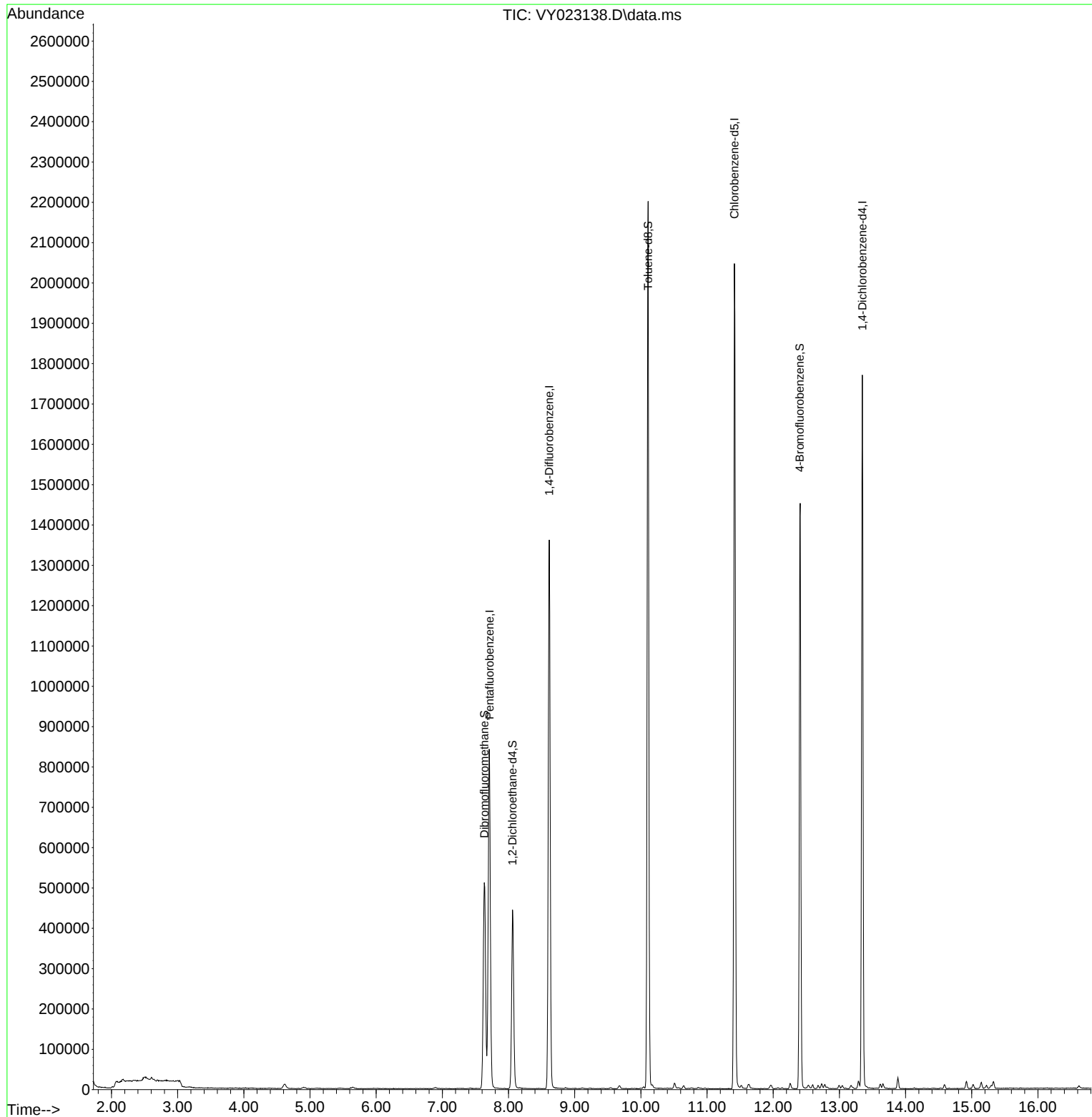
Target Compounds	Qvalue

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

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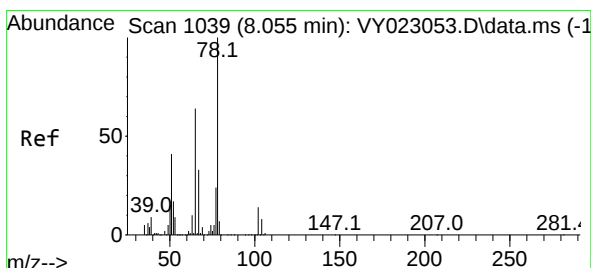
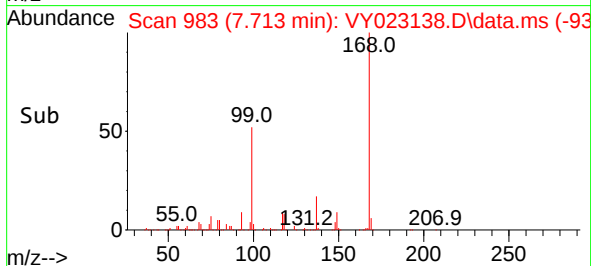
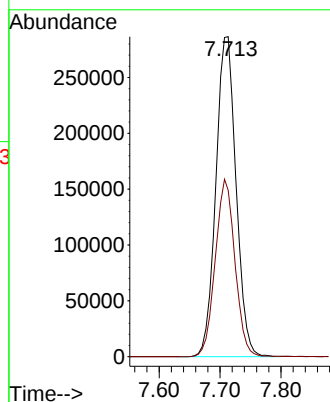
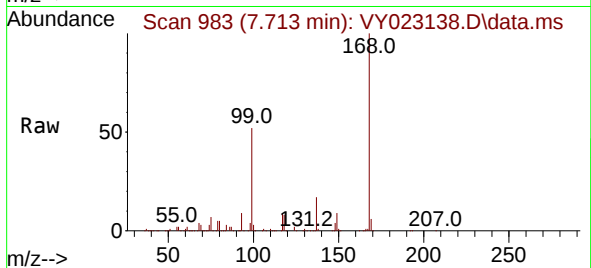




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

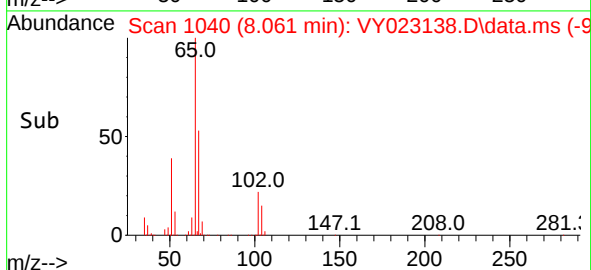
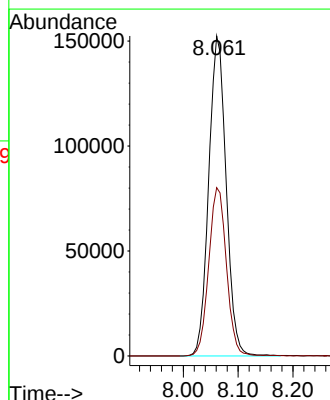
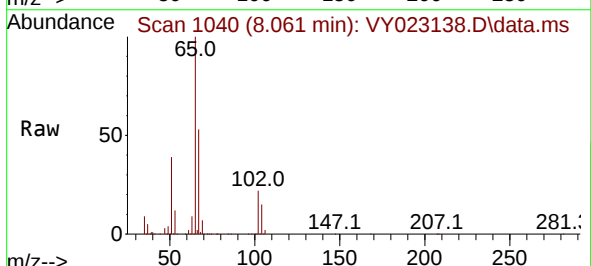
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

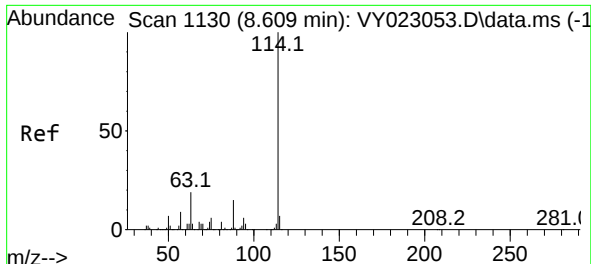
Tgt Ion:168 Resp: 658468
Ion Ratio Lower Upper
168 100
99 52.0 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 53.431 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

Tgt Ion: 65 Resp: 335313
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.8

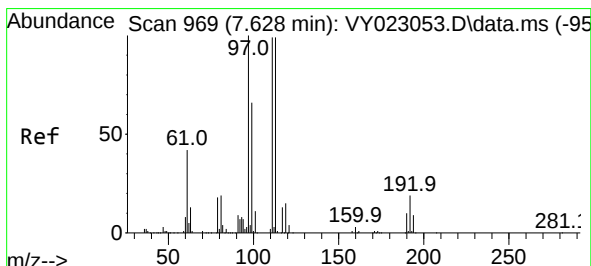
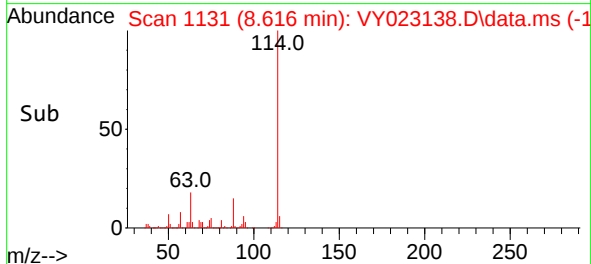
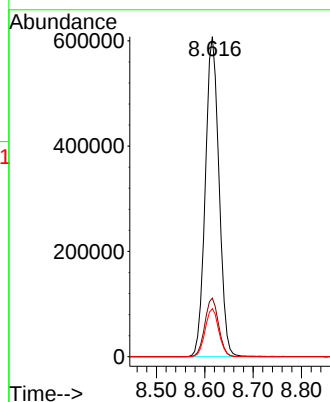
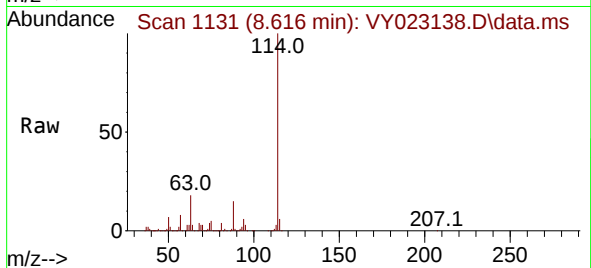




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

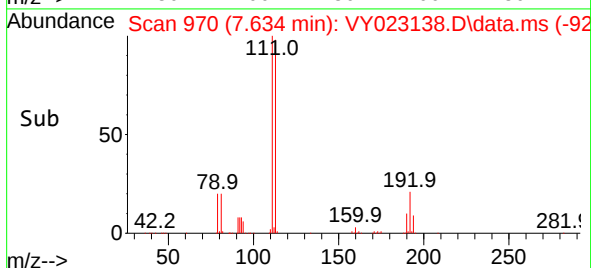
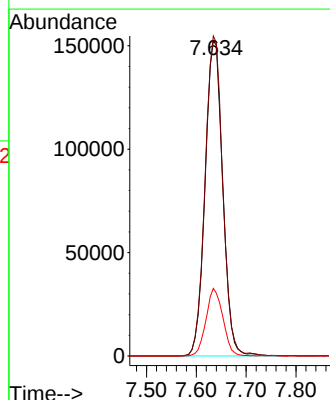
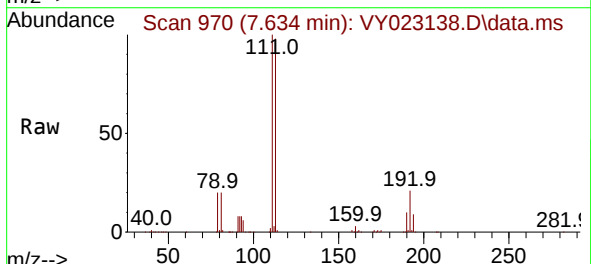
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ClientSampleId :
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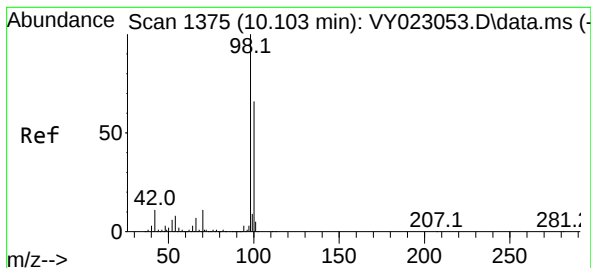
Tgt Ion:114 Resp: 1194271
Ion Ratio Lower Upper
114 100
63 18.3 0.0 38.4
88 15.0 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.441 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

Tgt Ion:113 Resp: 374747
Ion Ratio Lower Upper
113 100
111 101.4 81.1 121.7
192 20.5 16.2 24.4

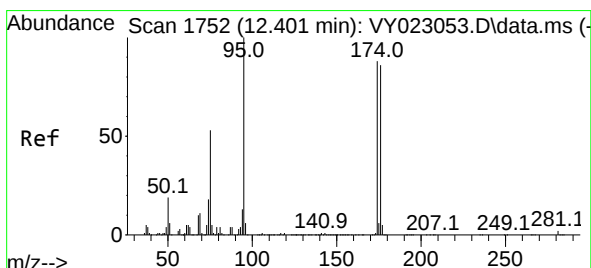
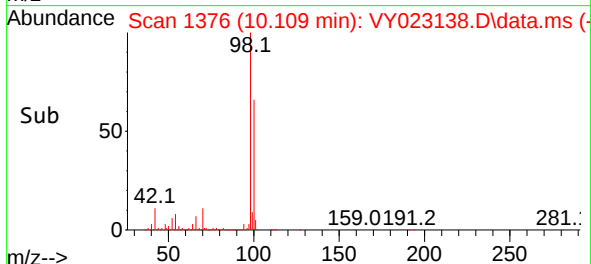
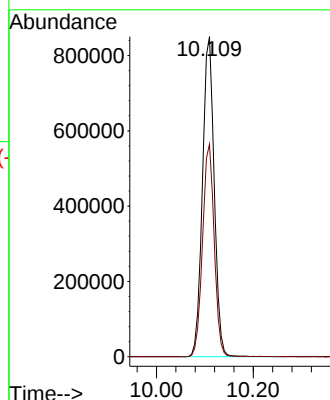
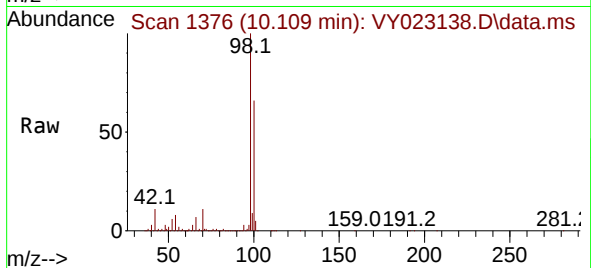




#50
Toluene-d8
Concen: 51.298 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

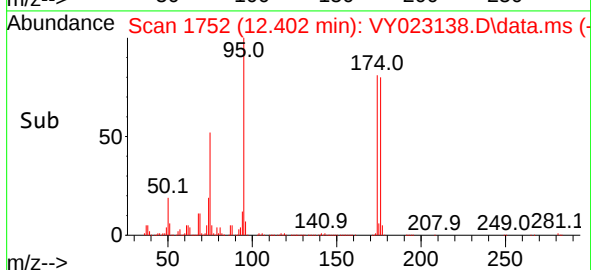
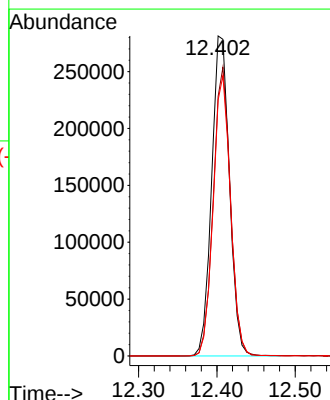
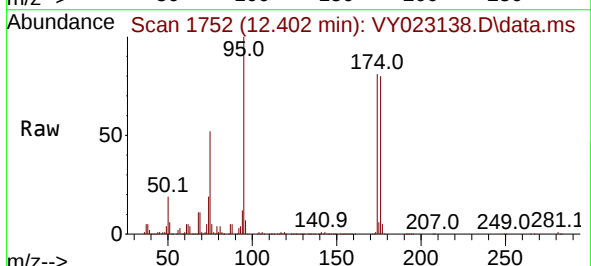
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

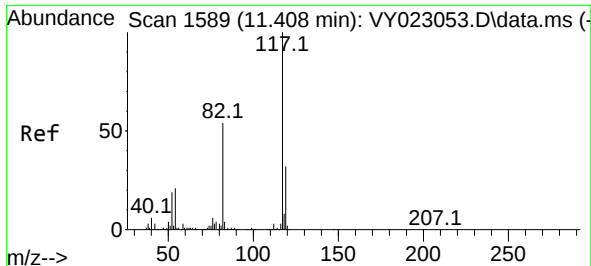
Tgt Ion: 98 Resp: 1432079
Ion Ratio Lower Upper
98 100
100 66.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 49.470 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

Tgt Ion: 95 Resp: 444143
Ion Ratio Lower Upper
95 100
174 87.2 0.0 171.6
176 85.2 0.0 167.6

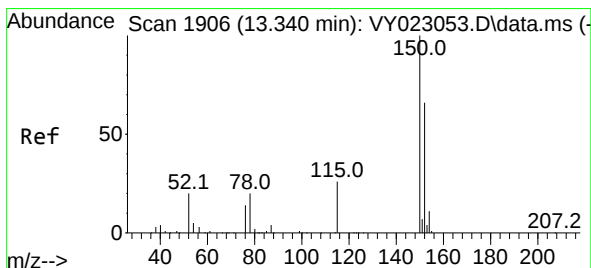
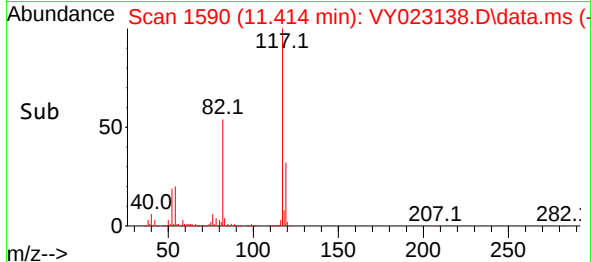
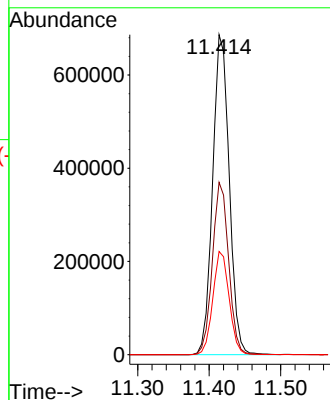
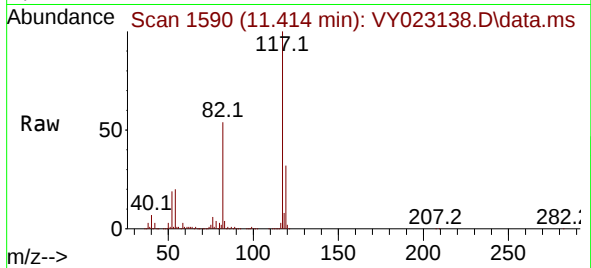




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

Tgt Ion:117 Resp: 1104701
Ion Ratio Lower Upper
117 100
82 53.8 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: VY023138.D
Acq: 19 Aug 2025 09:49

Tgt Ion:152 Resp: 444569
Ion Ratio Lower Upper
152 100
115 57.6 28.2 84.6
150 157.2 0.0 348.0

