

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101025\
 Data File : VY023433.D
 Acq On : 10 Oct 2025 12:53
 Operator : SY/MD
 Sample : Q3319-01
 Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-100825

Quant Time: Oct 11 01:56:40 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	444889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	825262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	808144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	337287	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	230935	62.075	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.160%
35) Dibromofluoromethane	7.640	113	285025	56.209	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.420%
50) Toluene-d8	10.109	98	989991	52.424	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.840%
62) 4-Bromofluorobenzene	12.408	95	311357	49.940	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.880%

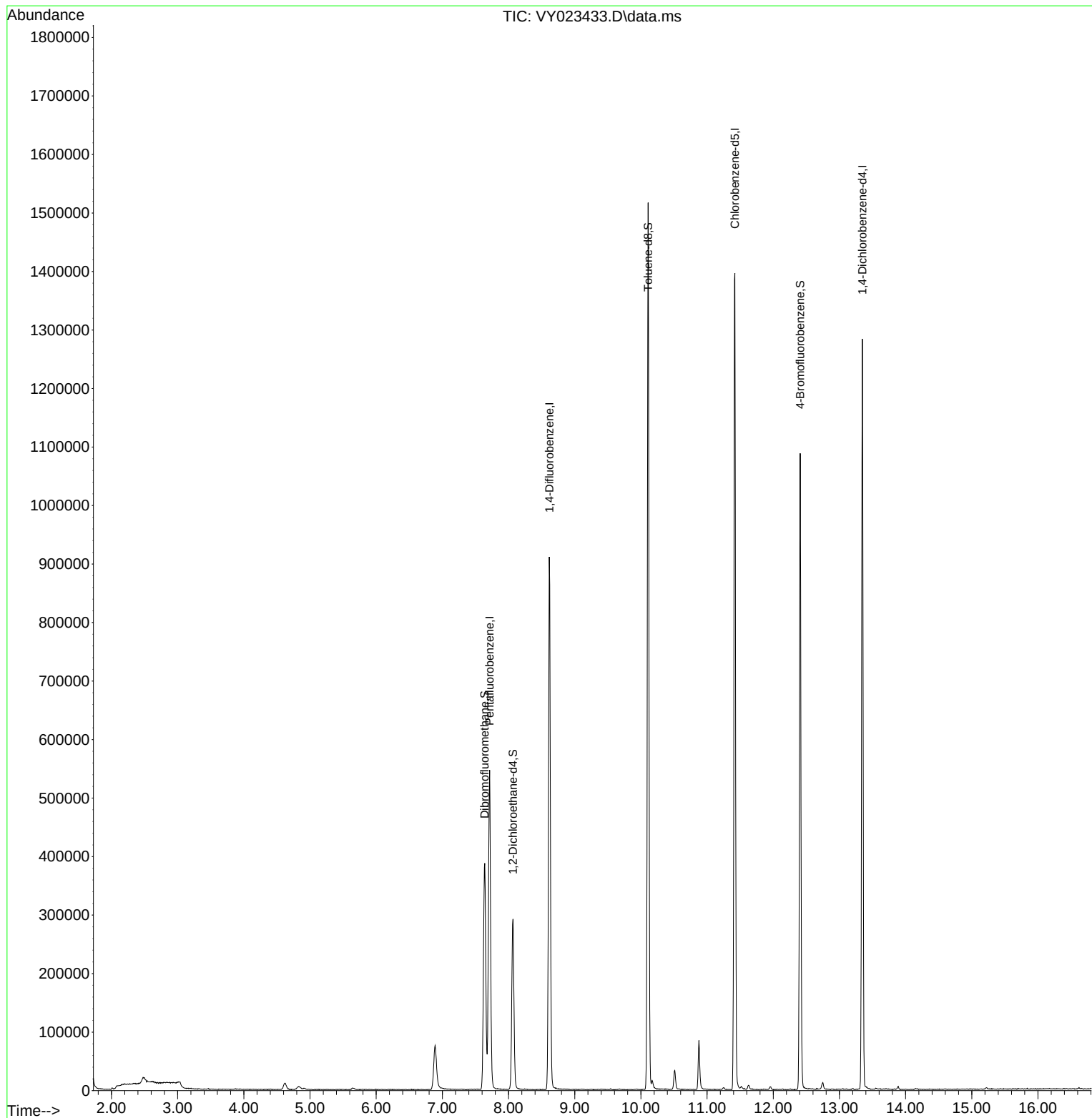
Target Compounds	Qvalue

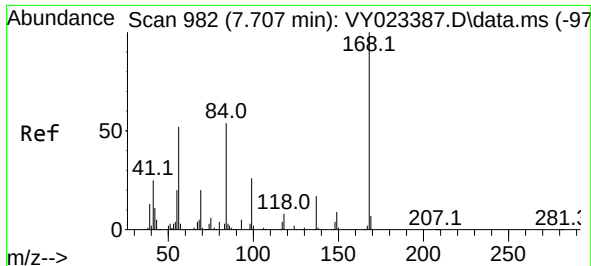
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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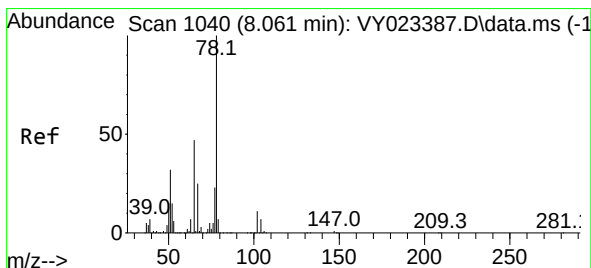
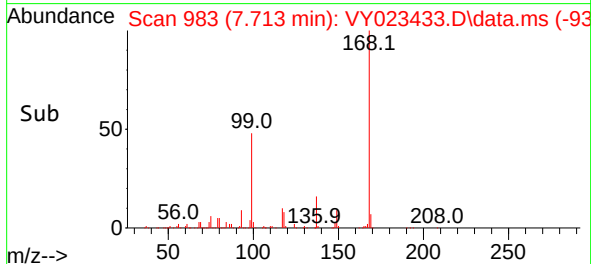
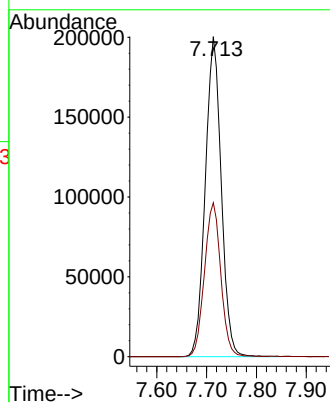
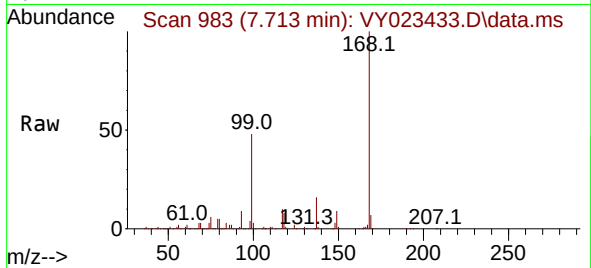




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023433.D
Acq: 10 Oct 2025 12:53

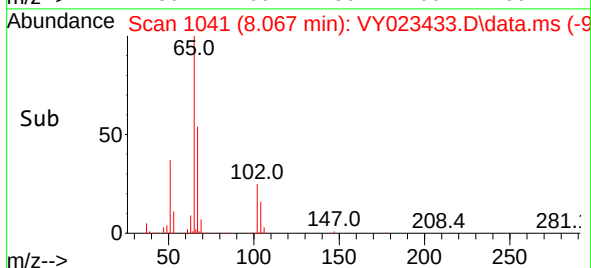
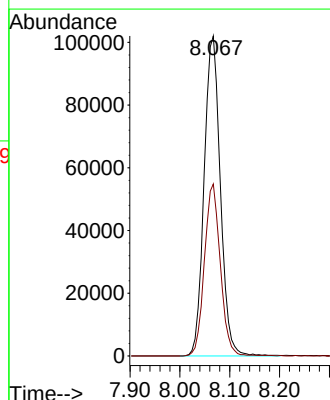
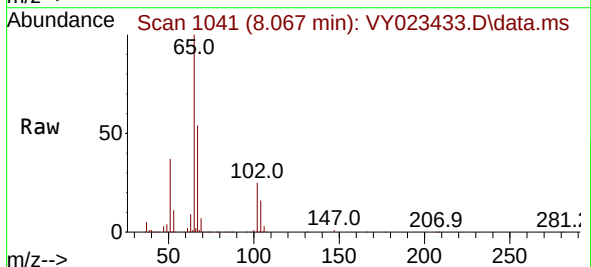
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-100825

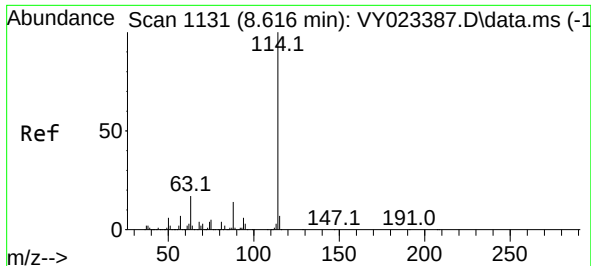
Tgt Ion:168 Resp: 444889
Ion Ratio Lower Upper
168 100
99 48.1 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 62.075 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023433.D
Acq: 10 Oct 2025 12:53

Tgt Ion: 65 Resp: 230935
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8

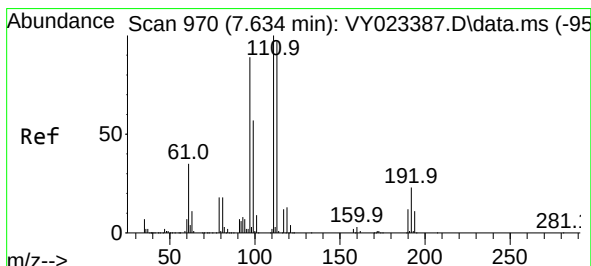
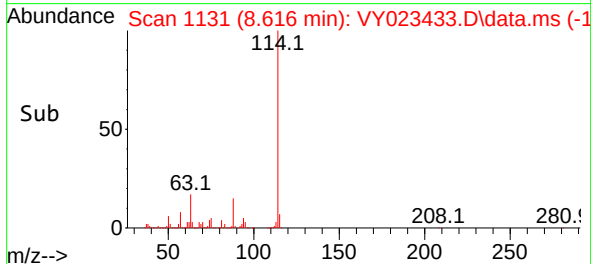
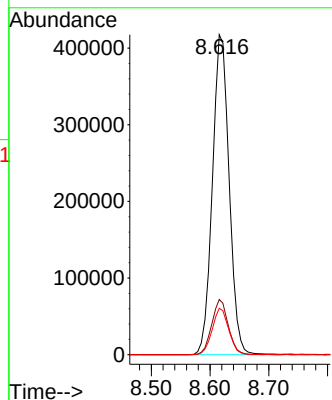
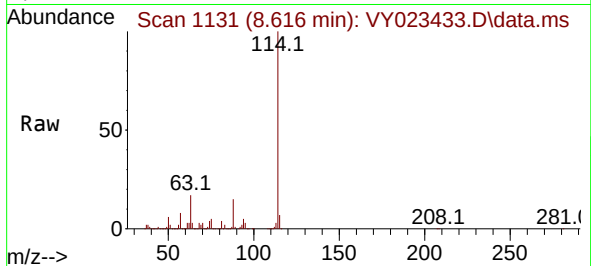




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023433.D
Acq: 10 Oct 2025 12:53

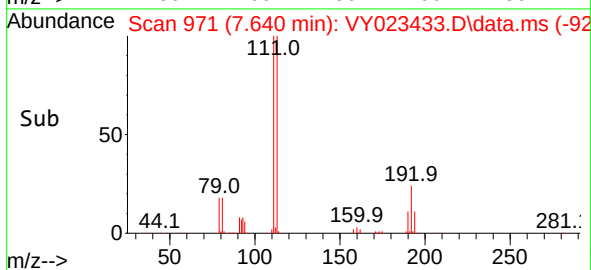
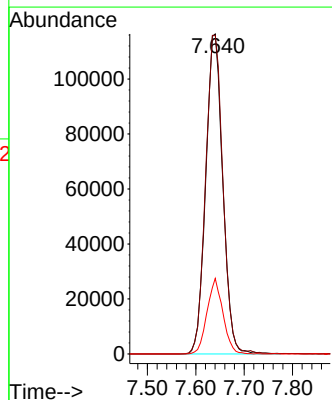
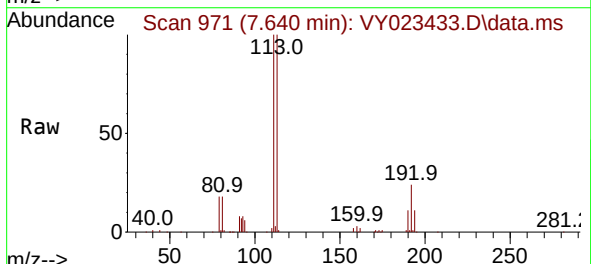
Instrument :
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ClientSampleId :
OK-01-100825

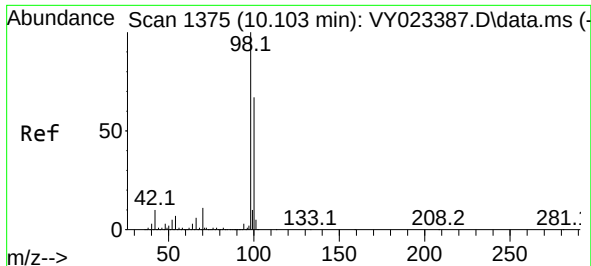
Tgt Ion:114 Resp: 825262
Ion Ratio Lower Upper
114 100
63 17.3 0.0 34.2
88 14.5 0.0 28.4



#35
Dibromofluoromethane
Concen: 56.209 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023433.D
Acq: 10 Oct 2025 12:53

Tgt Ion:113 Resp: 285025
Ion Ratio Lower Upper
113 100
111 101.3 81.8 122.6
192 22.0 18.0 27.0

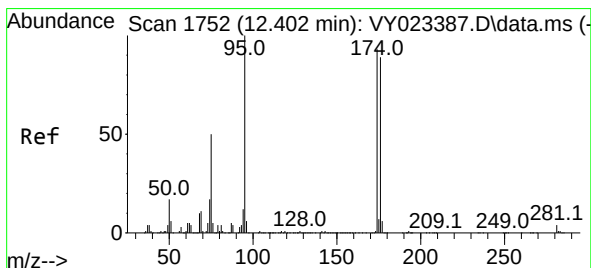
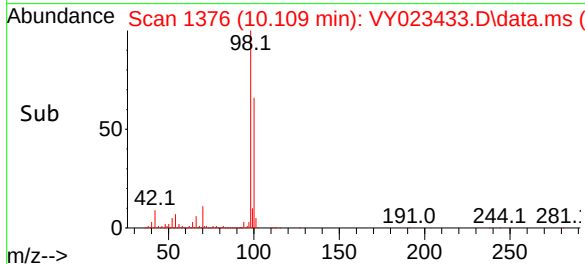
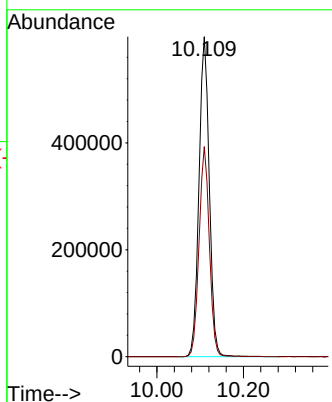
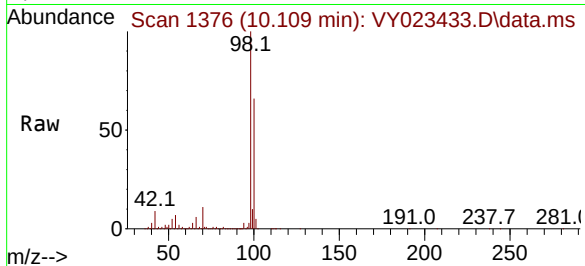




#50
Toluene-d8
Concen: 52.424 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023433.D
Acq: 10 Oct 2025 12:53

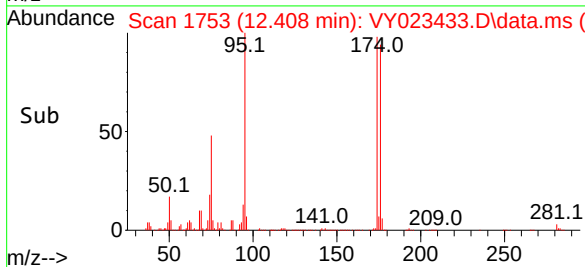
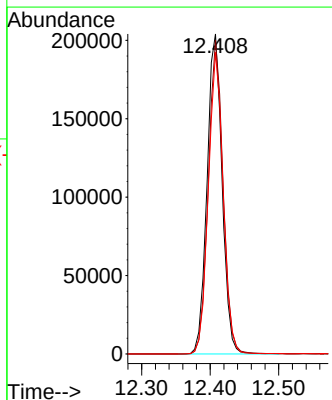
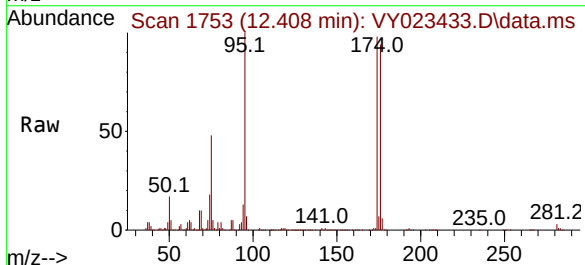
Instrument :
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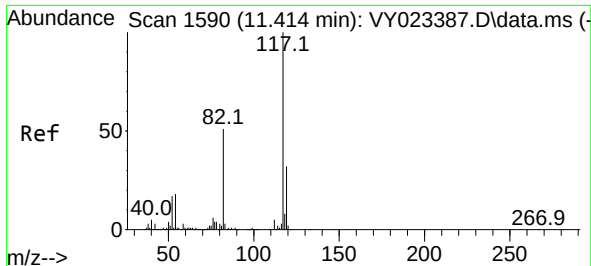
Tgt Ion: 98 Resp: 989991
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 49.940 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023433.D
Acq: 10 Oct 2025 12:53

Tgt Ion: 95 Resp: 311357
Ion Ratio Lower Upper
95 100
174 96.8 0.0 192.8
176 92.6 0.0 187.6

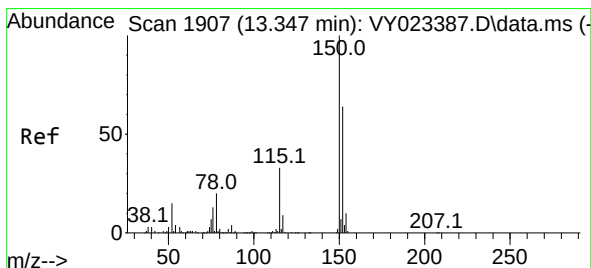
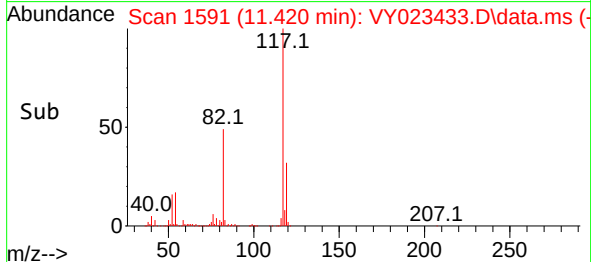
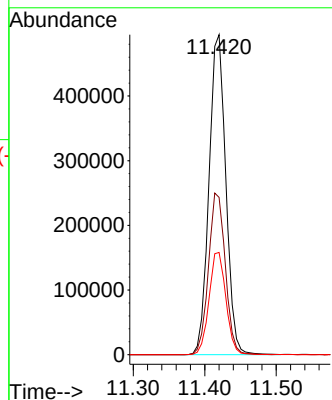
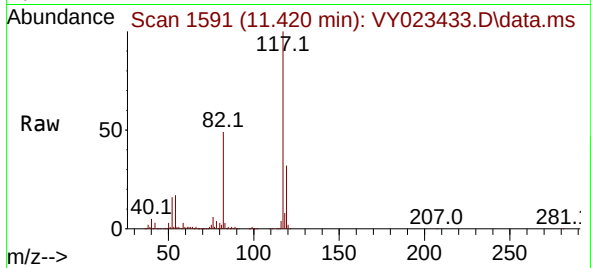




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023433.D
Acq: 10 Oct 2025 12:53

Instrument :
MSVOA_Y
ClientSampleId :
OK-01-100825

Tgt Ion:117 Resp: 808144
Ion Ratio Lower Upper
117 100
82 49.1 41.0 61.4
119 32.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023433.D
Acq: 10 Oct 2025 12:53

Tgt Ion:152 Resp: 337287
Ion Ratio Lower Upper
152 100
115 55.1 27.1 81.2
150 156.8 0.0 347.4

