

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022266.D
 Acq On : 15 May 2025 15:59
 Operator : SY/MD
 Sample : Q1984-05
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-35-050725

Quant Time: May 16 01:56:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	325803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	579791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	460550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	168641	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	170915	48.000	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.000%
35) Dibromofluoromethane	7.634	113	170283	49.207	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.420%
50) Toluene-d8	10.103	98	688618	48.587	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.180%
62) 4-Bromofluorobenzene	12.402	95	181953	40.503	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.000%

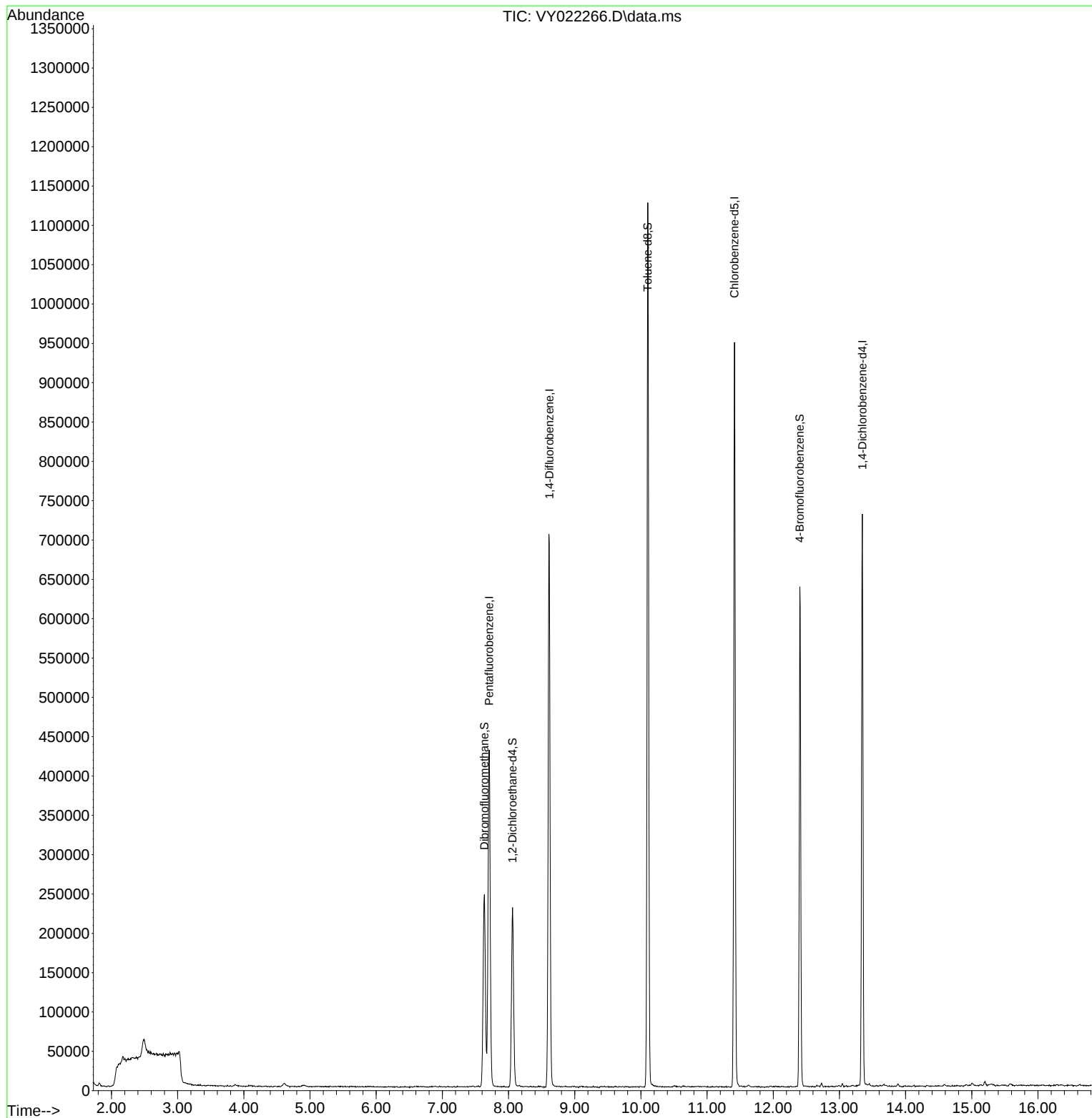
Target Compounds	Qvalue

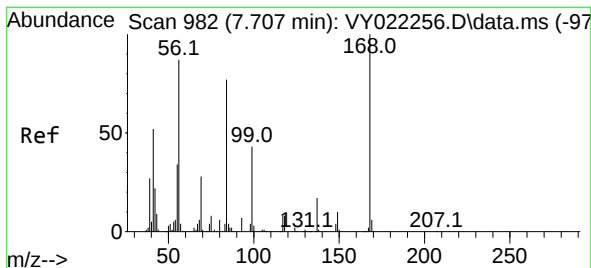
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY022266.D

Acq: 15 May 2025 15:59

Instrument :

MSVOA_Y

ClientSampleId :

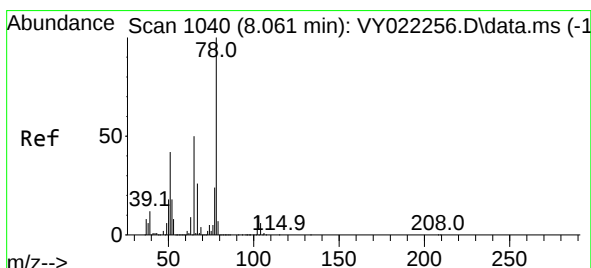
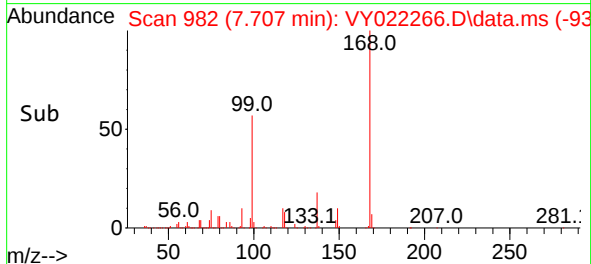
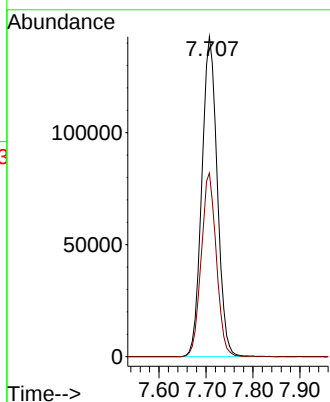
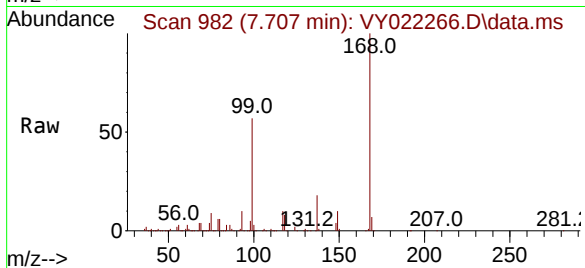
OU4-PCS-TC-35-050725

Tgt Ion:168 Resp: 325803

Ion Ratio Lower Upper

168 100

99 57.4 44.2 66.4



#33

1,2-Dichloroethane-d4

Concen: 48.000 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022266.D

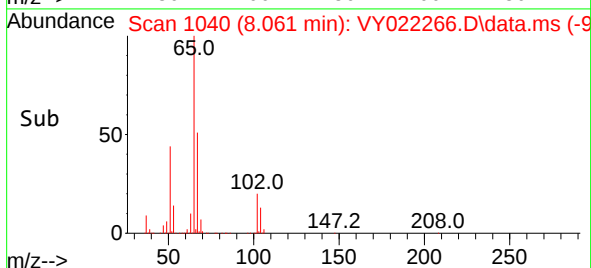
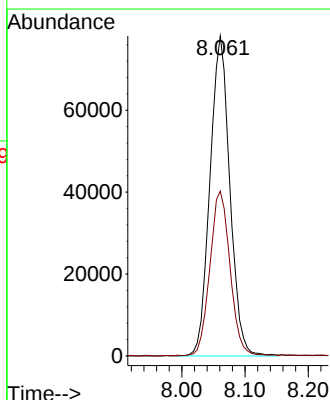
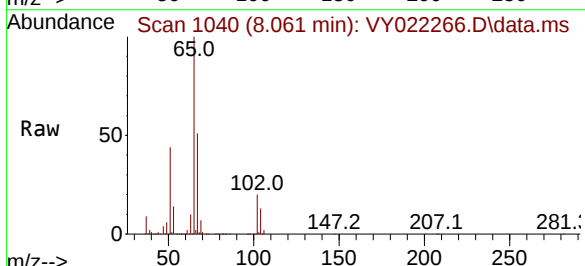
Acq: 15 May 2025 15:59

Tgt Ion: 65 Resp: 170915

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.6

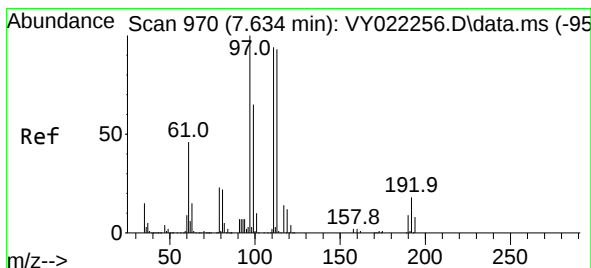
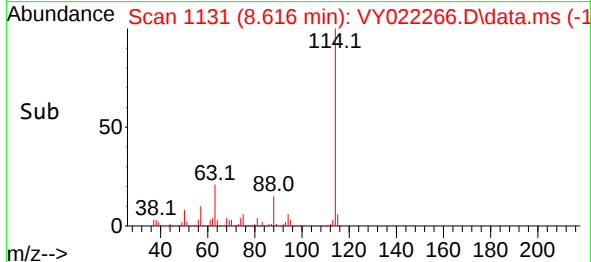
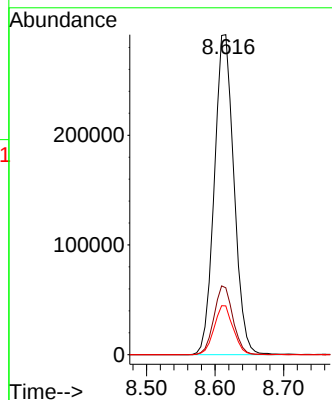
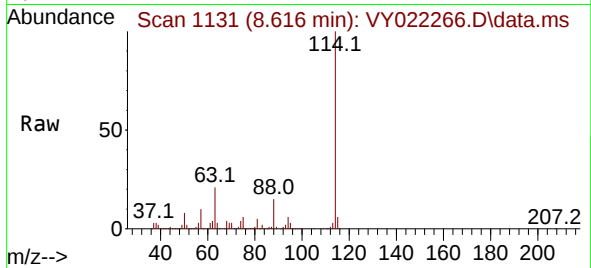




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022266.D
Acq: 15 May 2025 15:59

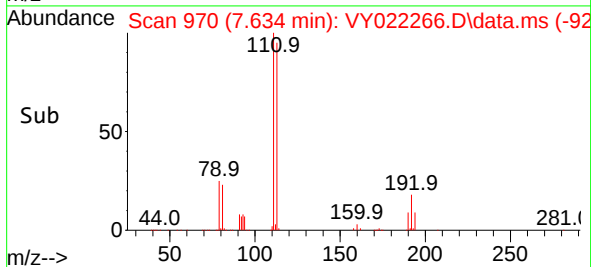
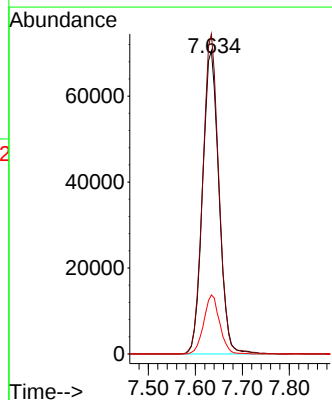
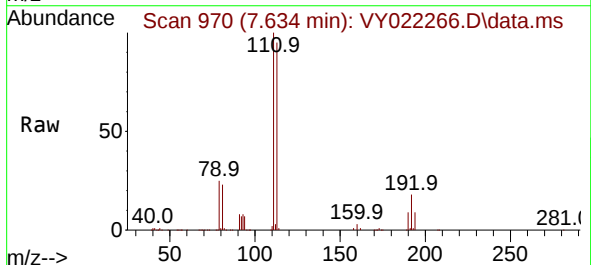
Instrument :
MSVOA_Y
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OU4-PCS-TC-35-050725

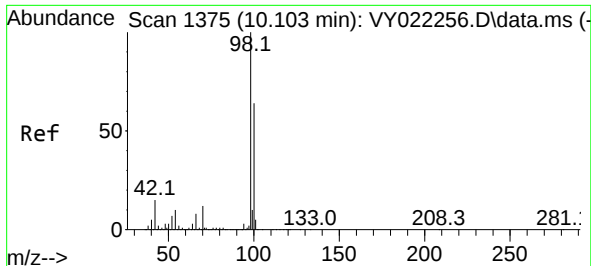
Tgt Ion:114 Resp: 579791
Ion Ratio Lower Upper
114 100
63 20.9 0.0 41.0
88 15.3 0.0 29.4



#35
Dibromofluoromethane
Concen: 49.207 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022266.D
Acq: 15 May 2025 15:59

Tgt Ion:113 Resp: 170283
Ion Ratio Lower Upper
113 100
111 103.9 82.6 123.8
192 18.9 15.2 22.8

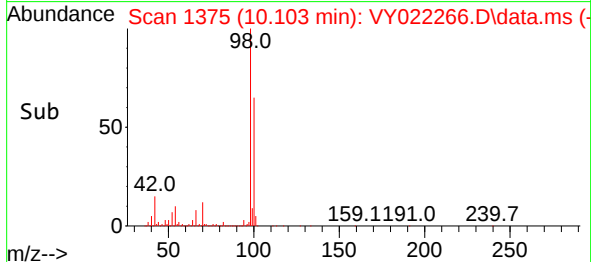
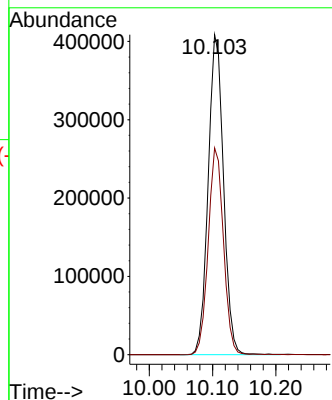
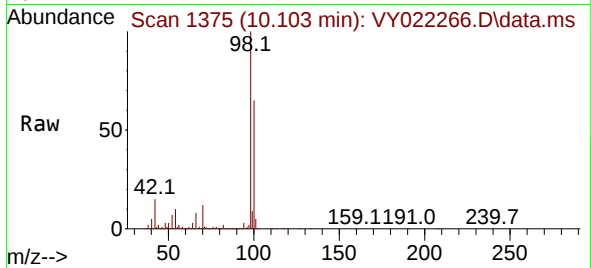




#50
Toluene-d8
Concen: 48.587 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022266.D
Acq: 15 May 2025 15:59

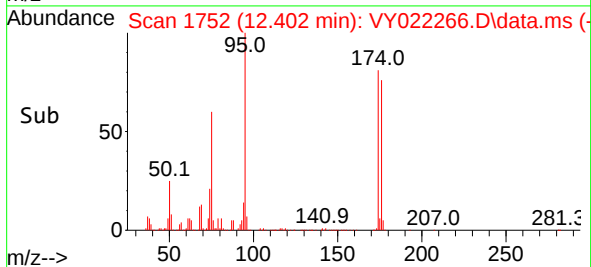
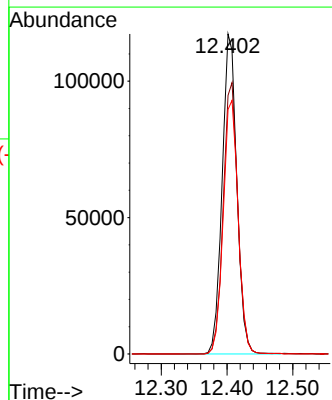
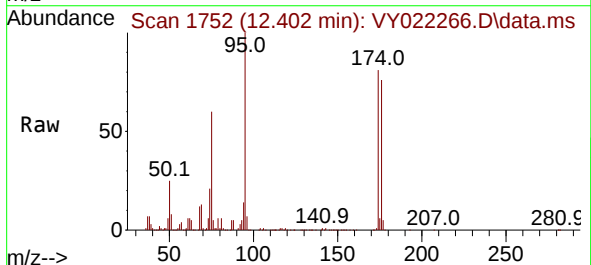
Instrument :
MSVOA_Y
ClientSampleId :
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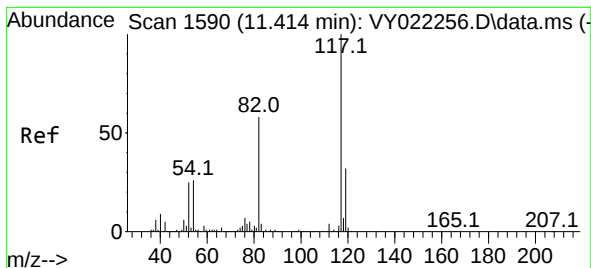
Tgt Ion: 98 Resp: 688618
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 40.503 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022266.D
Acq: 15 May 2025 15:59

Tgt Ion: 95 Resp: 181953
Ion Ratio Lower Upper
95 100
174 84.7 0.0 166.8
176 80.8 0.0 160.8

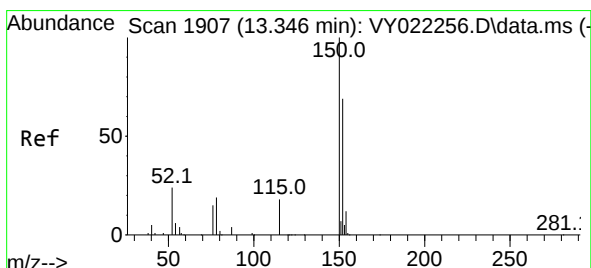
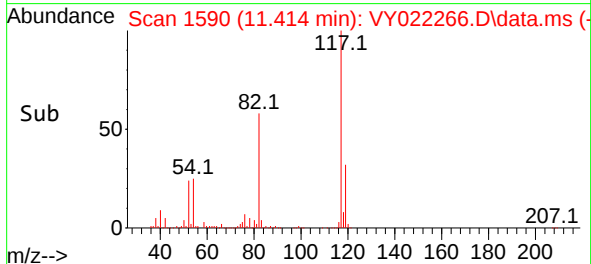
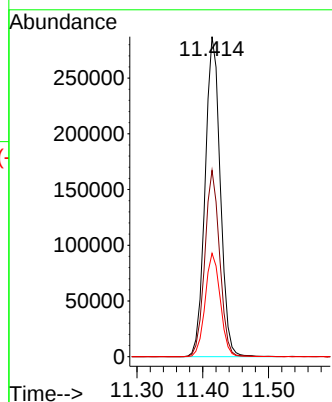
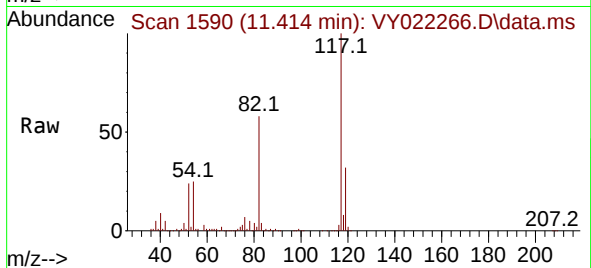




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY022266.D
Acq: 15 May 2025 15:59

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-35-050725

Tgt Ion:117 Resp: 460550
Ion Ratio Lower Upper
117 100
82 58.3 46.6 70.0
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022266.D
Acq: 15 May 2025 15:59

Tgt Ion:152 Resp: 168641
Ion Ratio Lower Upper
152 100
115 58.6 29.4 88.2
150 156.8 0.0 353.8

