

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022307.D
 Acq On : 19 May 2025 10:41
 Operator : SY/MD
 Sample : Q2055-01
 Misc : 5.46g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-051525

Quant Time: May 20 01:10:32 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	20313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	29875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	20831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	4772	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	9972	44.919	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.840%
35) Dibromofluoromethane	7.628	113	7563	42.415	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.820%
50) Toluene-d8	10.109	98	32505	44.510	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.020%
62) 4-Bromofluorobenzene	12.408	95	7473	32.284	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	64.560%

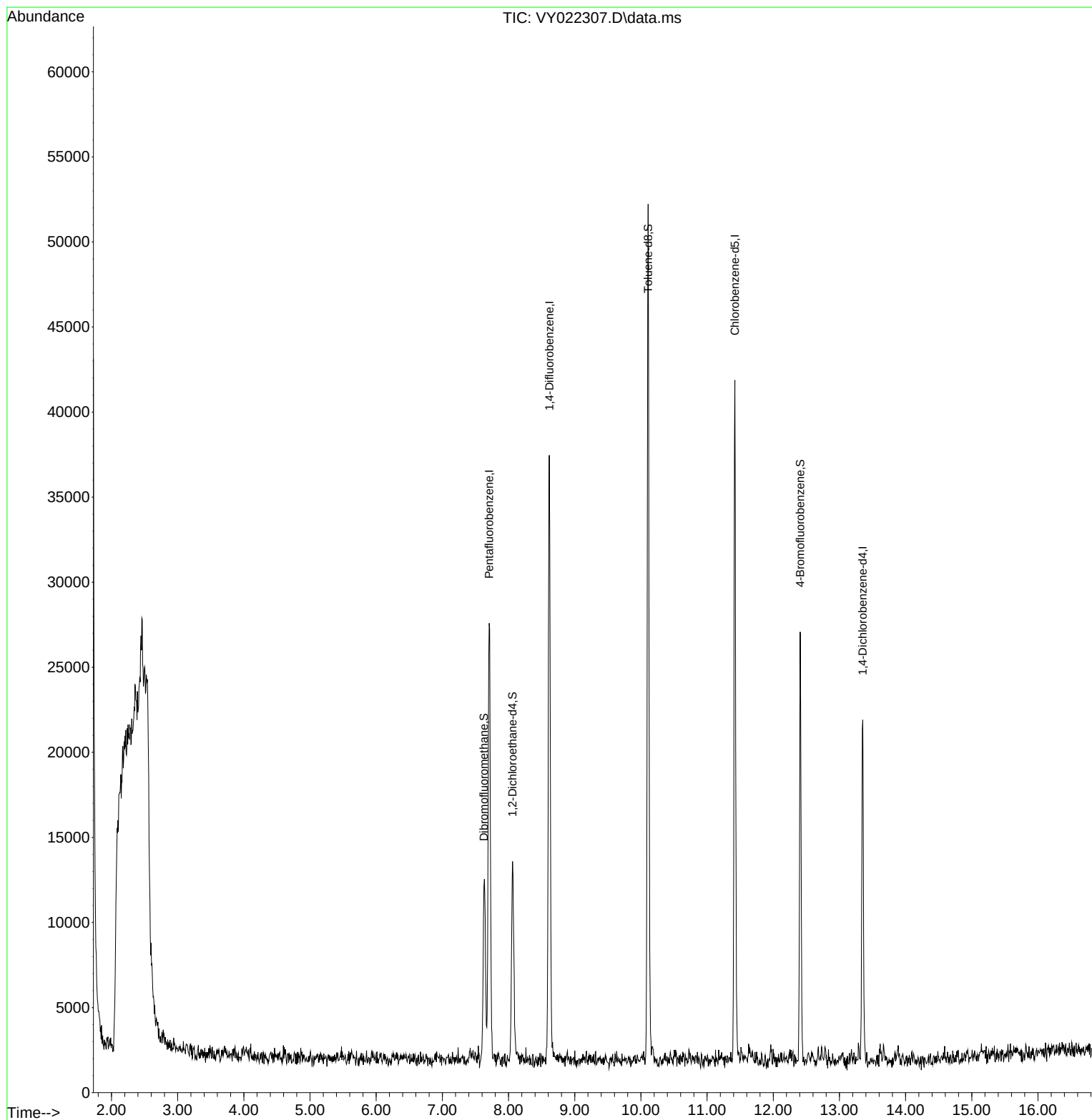
Target Compounds	Qvalue

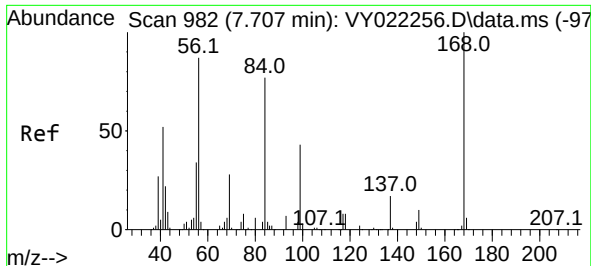
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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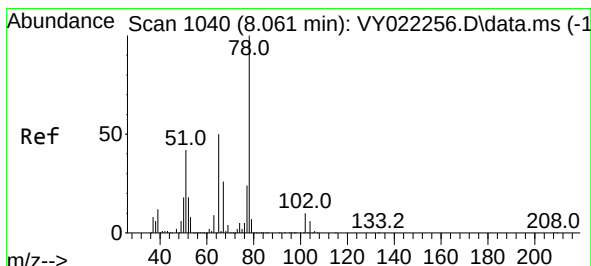
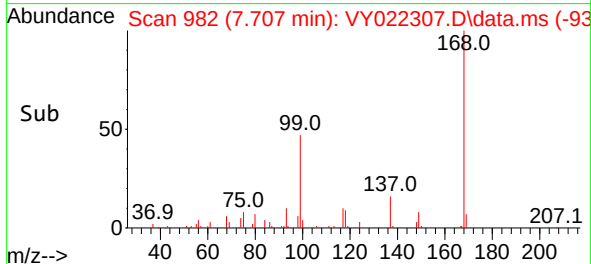
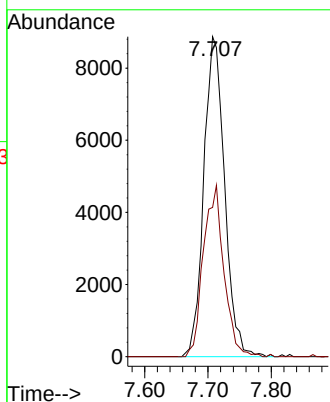
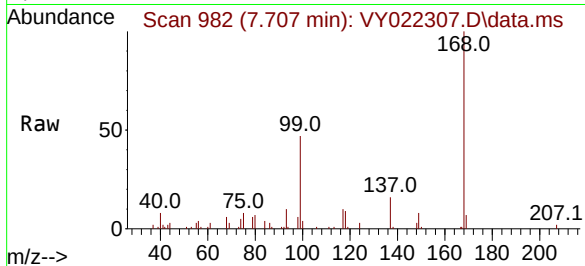




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022307.D
Acq: 19 May 2025 10:41

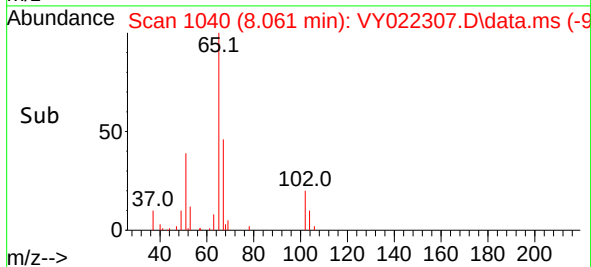
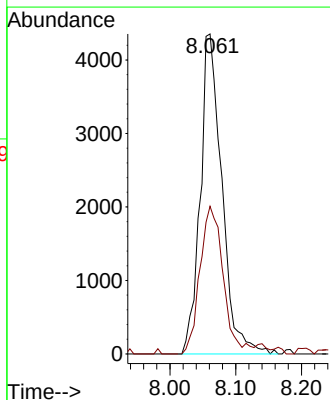
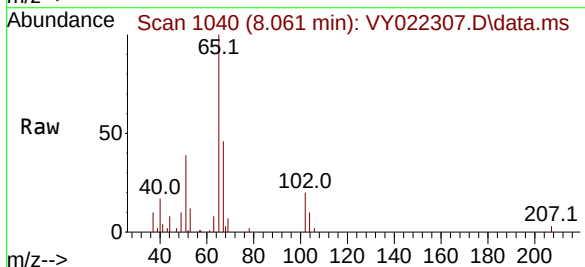
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-051525

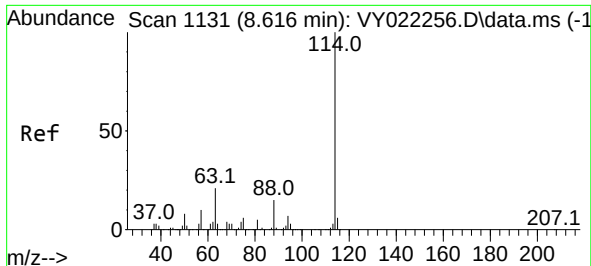
Tgt Ion:168 Resp: 20313
Ion Ratio Lower Upper
168 100
99 46.6 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 44.919 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022307.D
Acq: 19 May 2025 10:41

Tgt Ion: 65 Resp: 9972
Ion Ratio Lower Upper
65 100
67 49.7 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: VY022307.D

Acq: 19 May 2025 10:41

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-051525

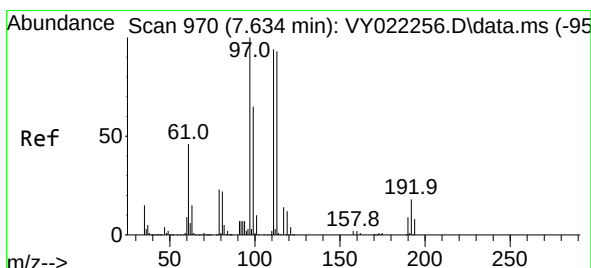
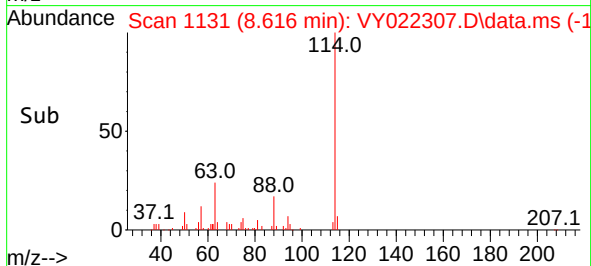
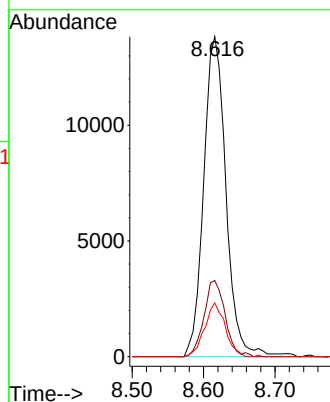
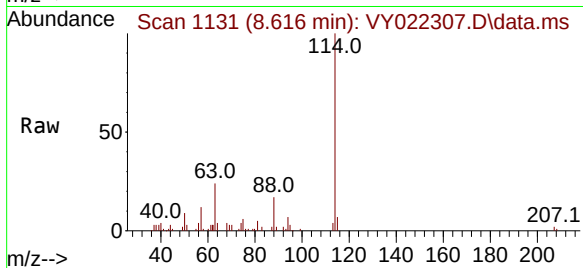
Tgt Ion:114 Resp: 29875

Ion Ratio Lower Upper

114 100

63 23.8 0.0 41.0

88 16.8 0.0 29.4



#35

Dibromofluoromethane

Concen: 42.415 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY022307.D

Acq: 19 May 2025 10:41

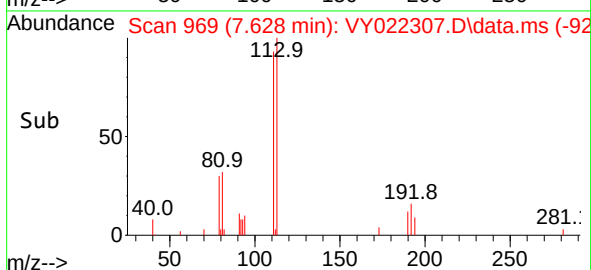
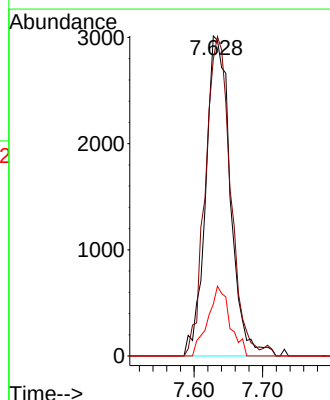
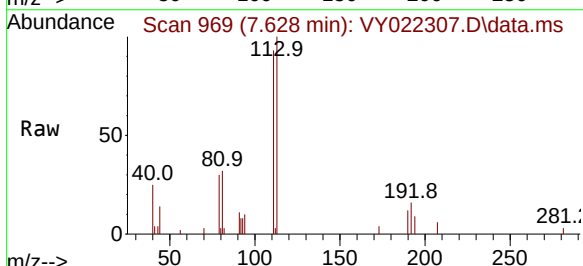
Tgt Ion:113 Resp: 7563

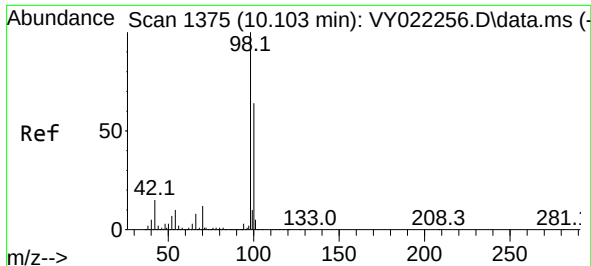
Ion Ratio Lower Upper

113 100

111 101.7 82.6 123.8

192 19.5 15.2 22.8

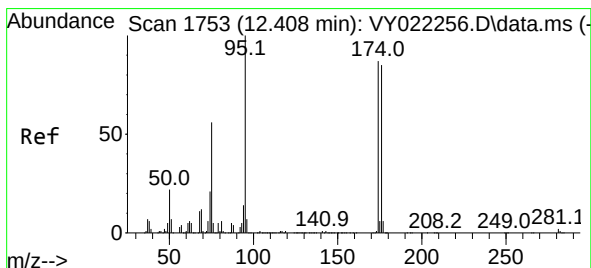
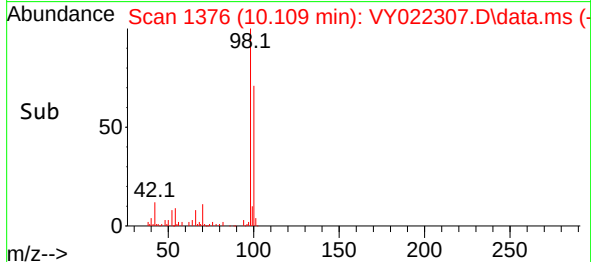
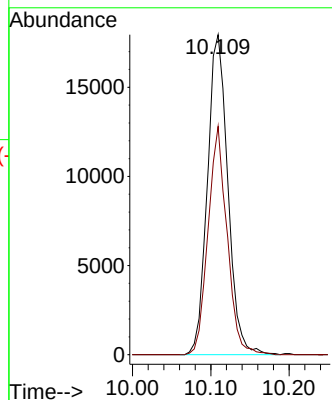
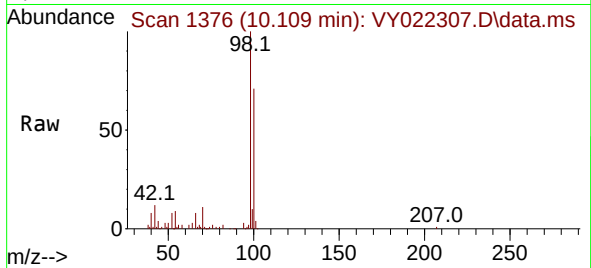




#50
Toluene-d8
Concen: 44.510 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022307.D
Acq: 19 May 2025 10:41

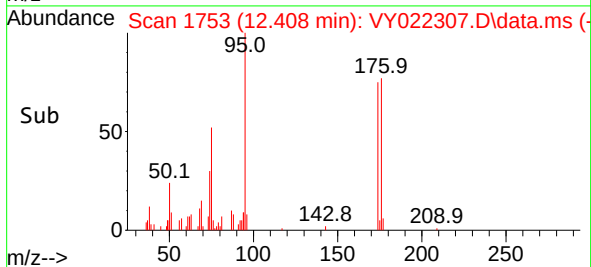
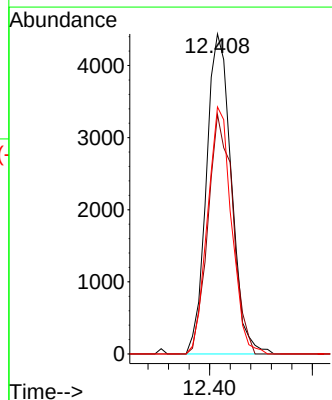
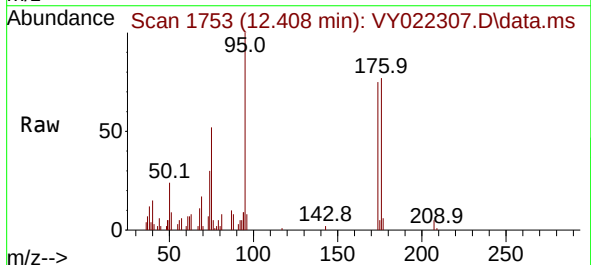
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-051525

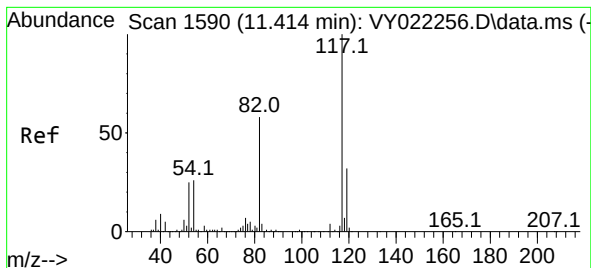
Tgt Ion: 98 Resp: 32505
Ion Ratio Lower Upper
98 100
100 66.4 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 32.284 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022307.D
Acq: 19 May 2025 10:41

Tgt Ion: 95 Resp: 7473
Ion Ratio Lower Upper
95 100
174 75.0 0.0 166.8
176 74.6 0.0 160.8

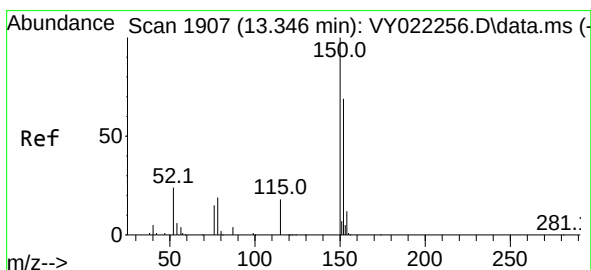
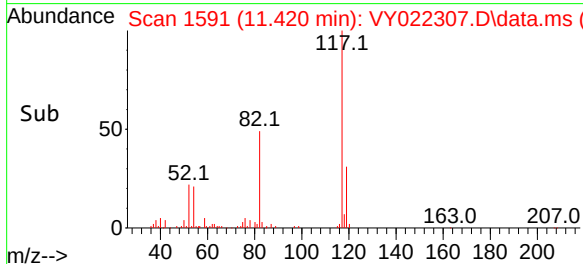
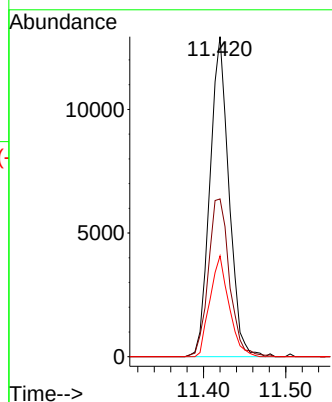
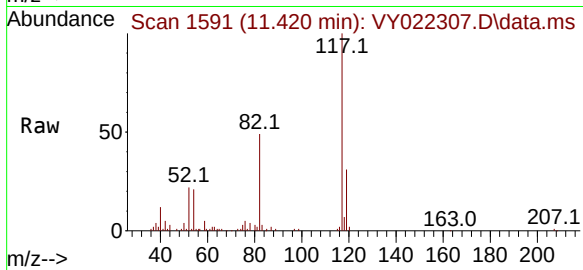




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY022307.D
Acq: 19 May 2025 10:41

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-051525

Tgt Ion:117	Resp:	20831
Ion Ratio	Lower	Upper
117	100	
82	49.3	46.6 70.0
119	31.5	25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022307.D
Acq: 19 May 2025 10:41

Tgt Ion:152	Resp:	4772
Ion Ratio	Lower	Upper
152	100	
115	64.0	29.4 88.2
150	161.8	0.0 353.8

