

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022375.D
 Acq On : 21 May 2025 18:15
 Operator : SY/MD
 Sample : Q2101-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-MHE-VOC

Quant Time: May 22 00:14:37 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	7.720	168	24785	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	37865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	25017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	6889	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	10434	38.519	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	77.040%
35) Dibromofluoromethane	7.640	113	10034	44.398	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.800%
50) Toluene-d8	10.115	98	42510	45.927	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.860%
62) 4-Bromofluorobenzene	12.408	95	8787	29.951	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.900%

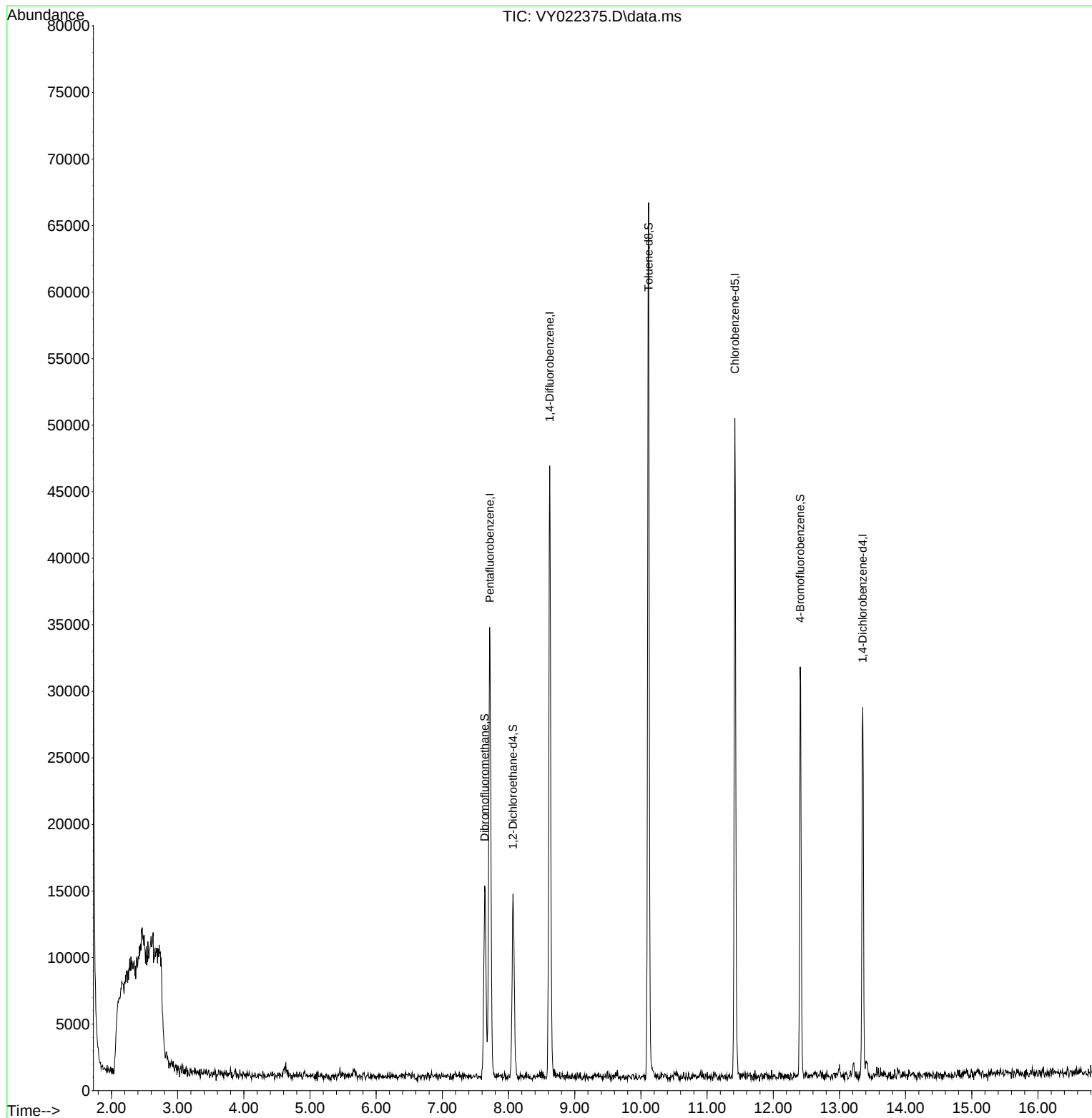
Target Compounds	Qvalue

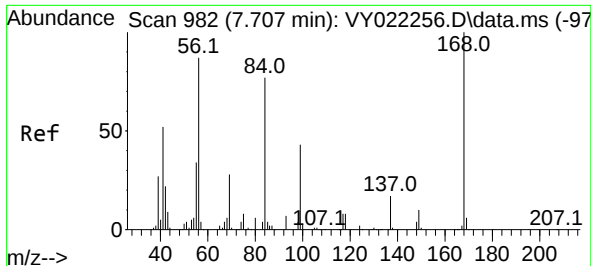
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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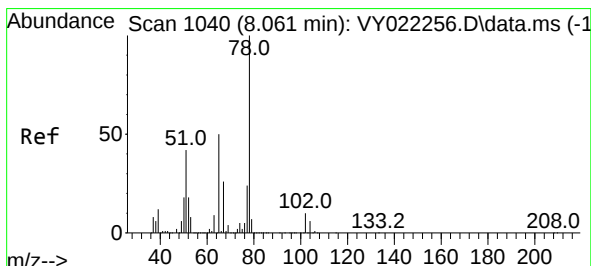
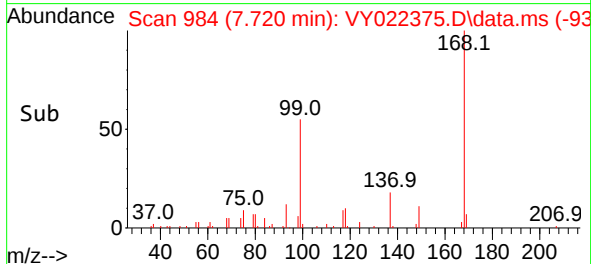
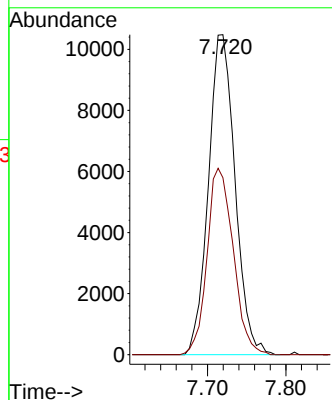
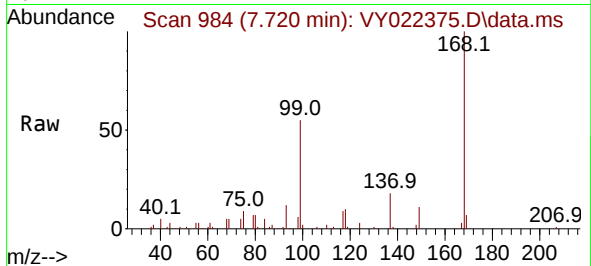




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 982
Delta R.T. 0.013 min
Lab File: VY022375.D
Acq: 21 May 2025 18:15

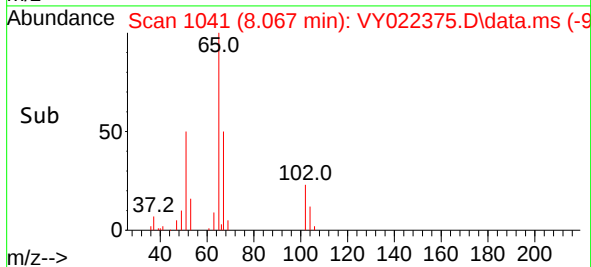
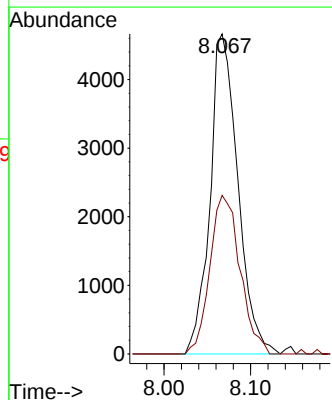
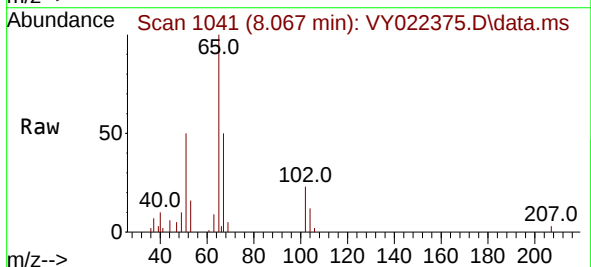
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-MHE-VOC

Tgt Ion:168 Resp: 24785
Ion Ratio Lower Upper
168 100
99 55.3 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 38.519 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022375.D
Acq: 21 May 2025 18:15

Tgt Ion: 65 Resp: 10434
Ion Ratio Lower Upper
65 100
67 53.6 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY022375.D

Acq: 21 May 2025 18:15

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-MHE-VOC

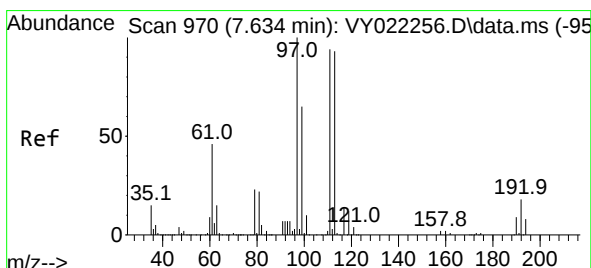
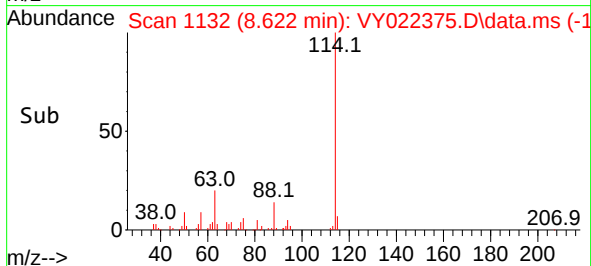
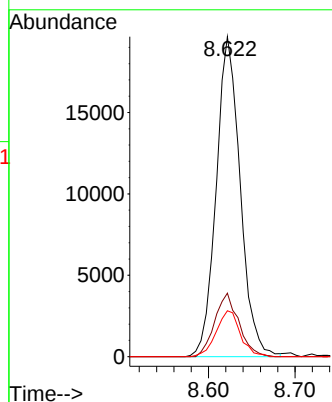
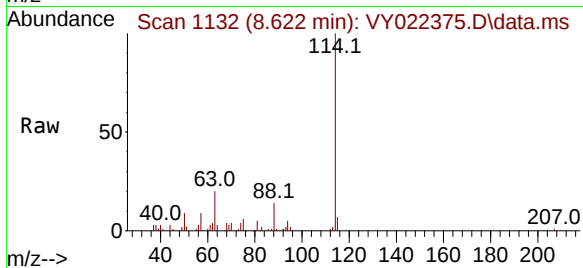
Tgt Ion:114 Resp: 37865

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.0

88 14.4 0.0 29.4



#35

Dibromofluoromethane

Concen: 44.398 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022375.D

Acq: 21 May 2025 18:15

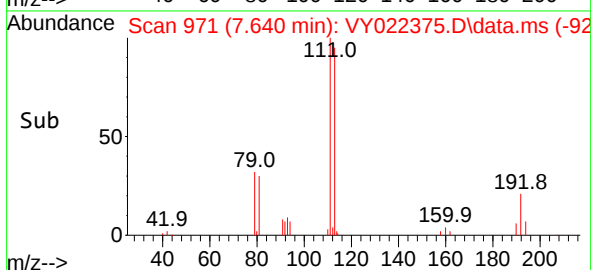
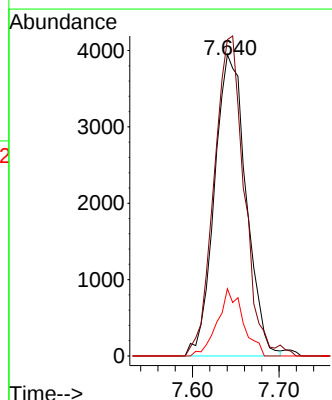
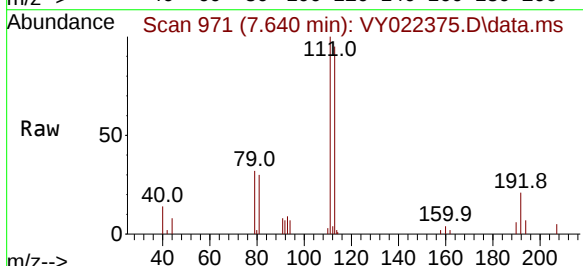
Tgt Ion:113 Resp: 10034

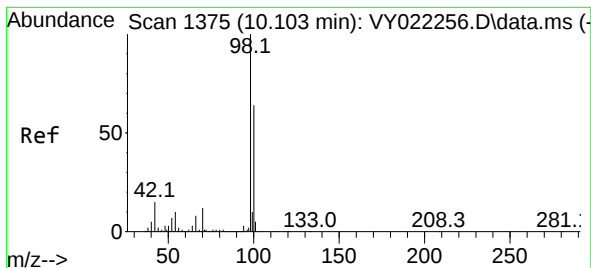
Ion Ratio Lower Upper

113 100

111 101.1 82.6 123.8

192 17.9 15.2 22.8

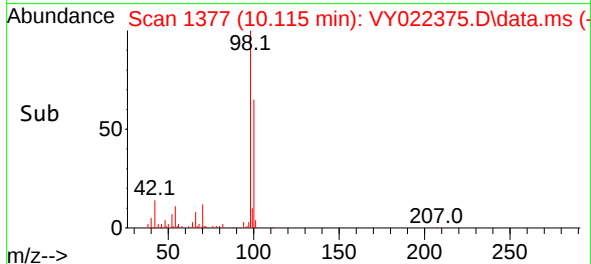
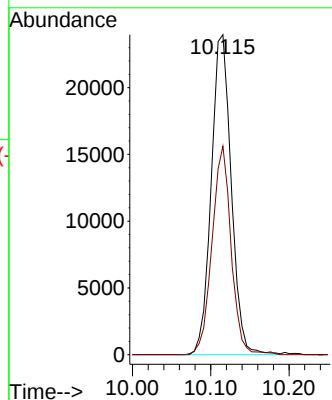
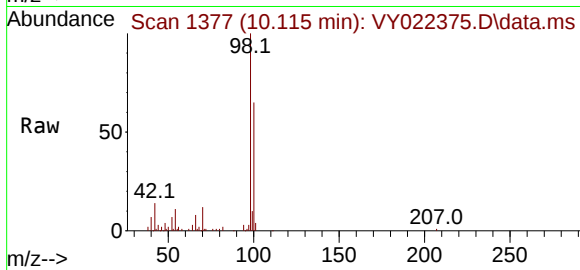




#50
Toluene-d8
Concen: 45.927 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022375.D
Acq: 21 May 2025 18:15

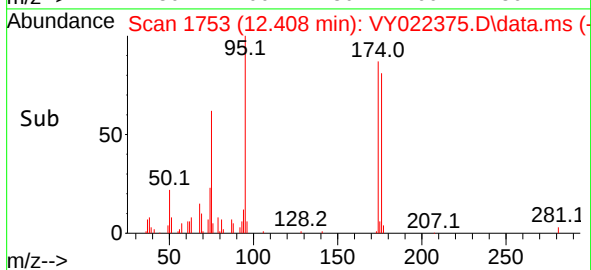
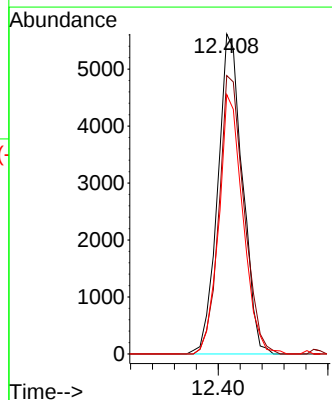
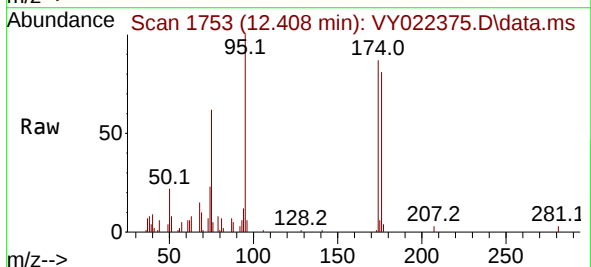
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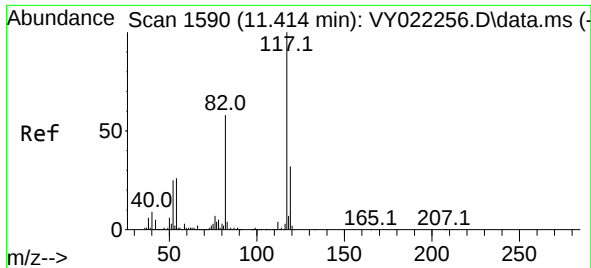
Tgt Ion: 98 Resp: 42510
Ion Ratio Lower Upper
98 100
100 62.1 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 29.951 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022375.D
Acq: 21 May 2025 18:15

Tgt Ion: 95 Resp: 8787
Ion Ratio Lower Upper
95 100
174 87.9 0.0 166.8
176 79.3 0.0 160.8

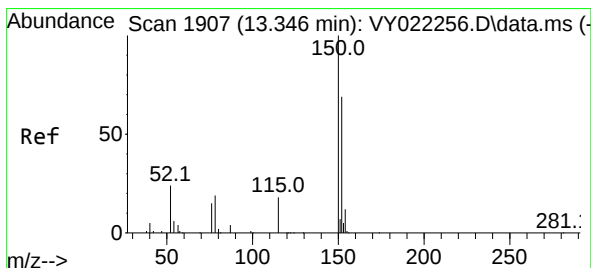
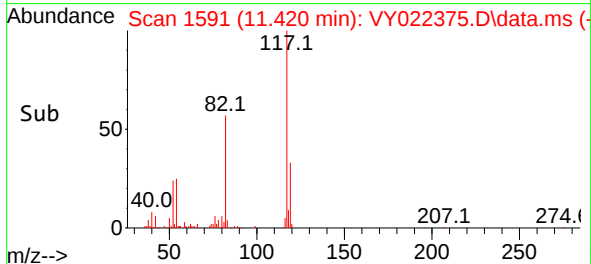
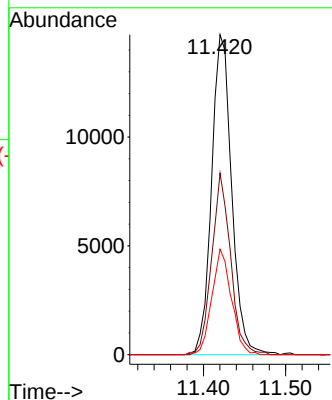
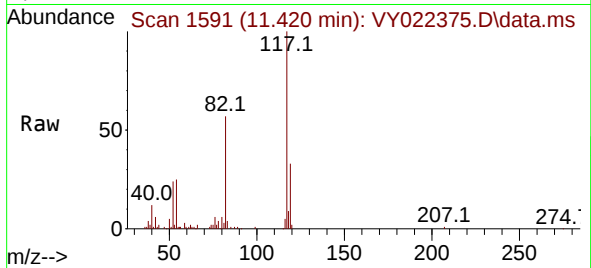




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022375.D
Acq: 21 May 2025 18:15

Instrument :
MSVOA_Y
ClientSampleId :
TP-1-MHE-VOC

Tgt Ion:117 Resp: 25017
Ion Ratio Lower Upper
117 100
82 56.7 46.6 70.0
119 33.0 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: VY022375.D
Acq: 21 May 2025 18:15

Tgt Ion:152 Resp: 6889
Ion Ratio Lower Upper
152 100
115 56.1 29.4 88.2
150 163.9 0.0 353.8

