

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050725\
 Data File : VY022196.D
 Acq On : 07 May 2025 16:30
 Operator : SY/MD
 Sample : Q1972-19
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SUB-WC-2-VOC

Quant Time: May 08 01:43:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	198687	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	399287	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	370702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	139682	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112850	61.491	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.980%
35) Dibromofluoromethane	7.634	113	139764	52.983	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.960%
50) Toluene-d8	10.109	98	497298	50.005	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.020%
62) 4-Bromofluorobenzene	12.408	95	138848	41.474	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.940%

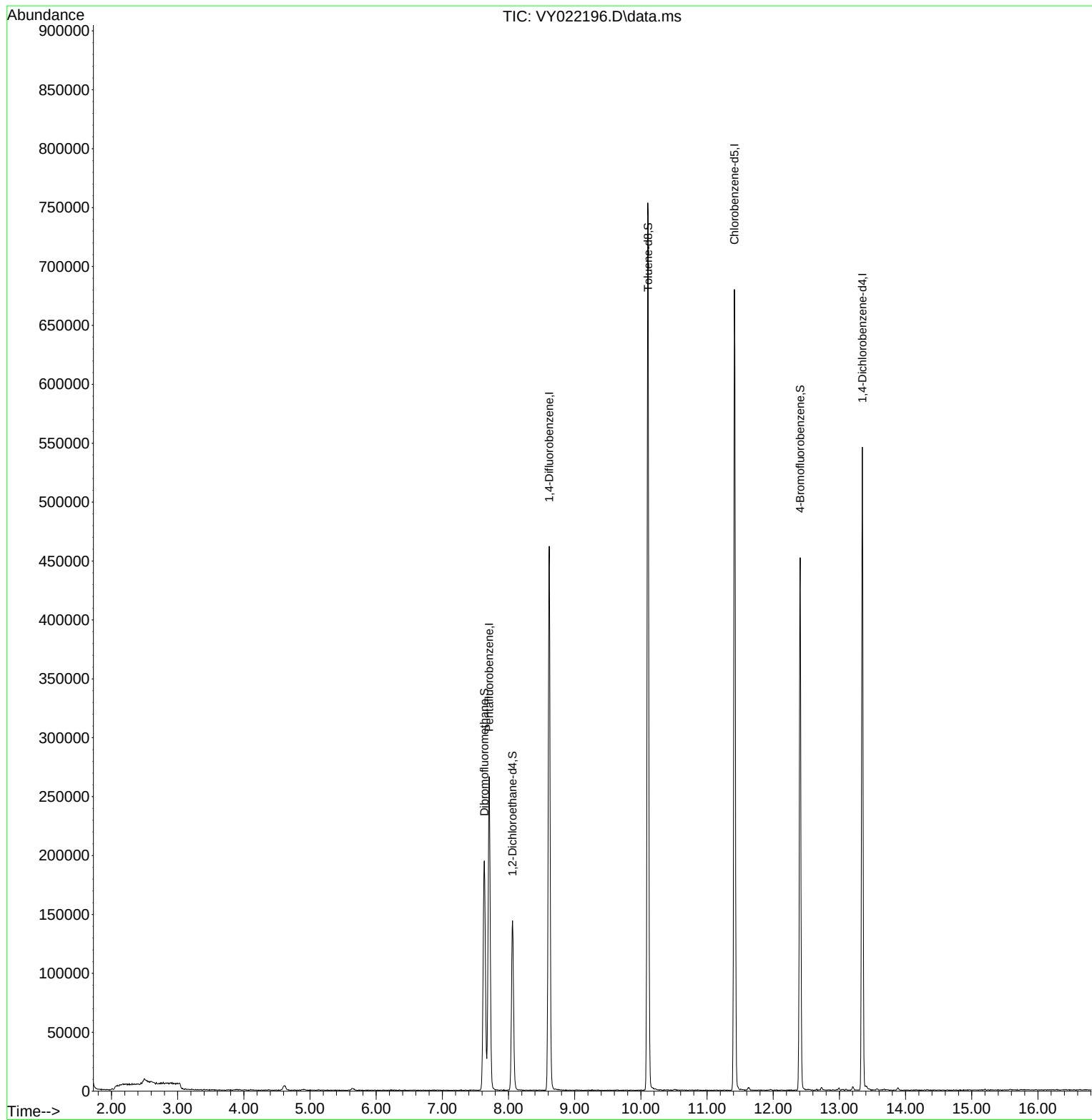
Target Compounds	Qvalue

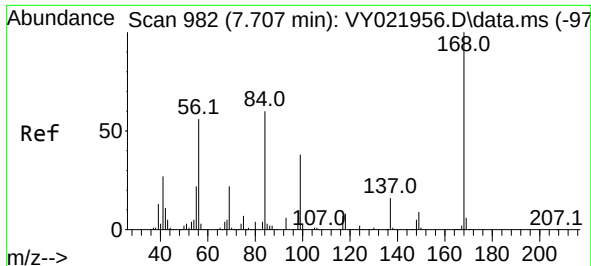
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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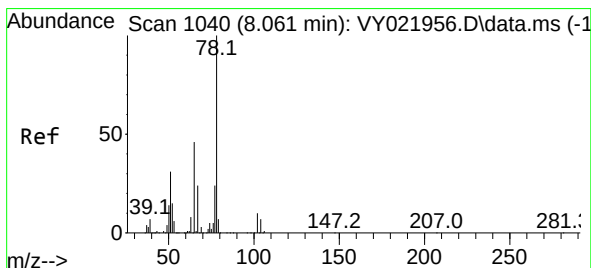
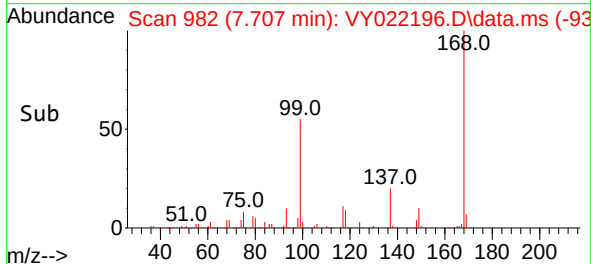
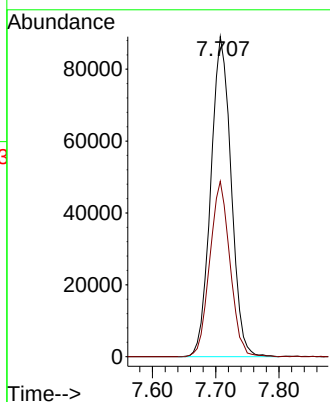
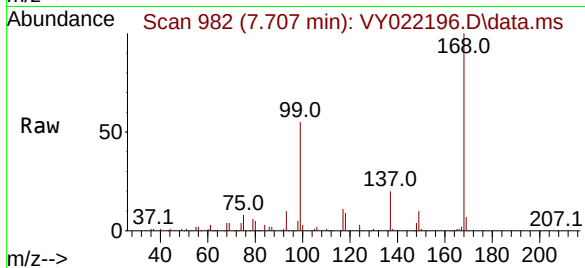




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022196.D
Acq: 07 May 2025 16:30

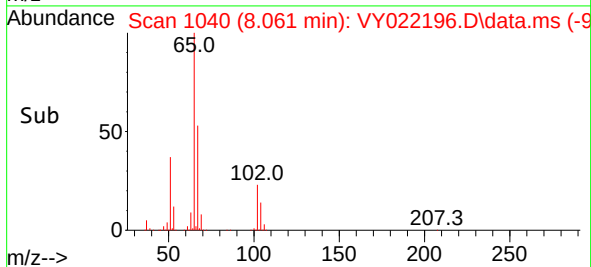
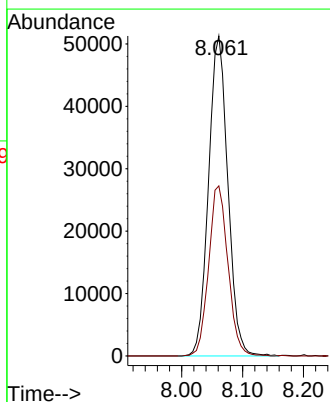
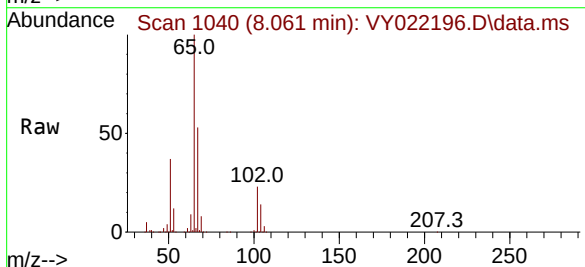
Instrument :
MSVOA_Y
ClientSampleId :
SUB-WC-2-VOC

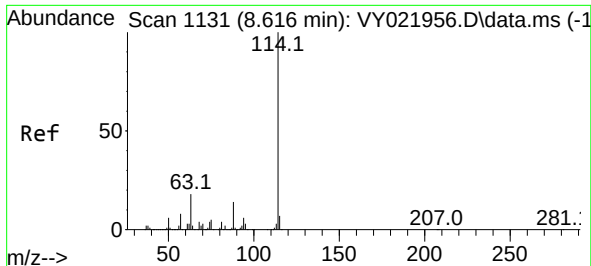
Tgt Ion:168 Resp: 198687
Ion Ratio Lower Upper
168 100
99 54.8 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 61.491 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022196.D
Acq: 07 May 2025 16:30

Tgt Ion: 65 Resp: 112850
Ion Ratio Lower Upper
65 100
67 53.2 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: VY022196.D

Acq: 07 May 2025 16:30

Instrument :

MSVOA_Y

ClientSampleId :

SUB-WC-2-VOC

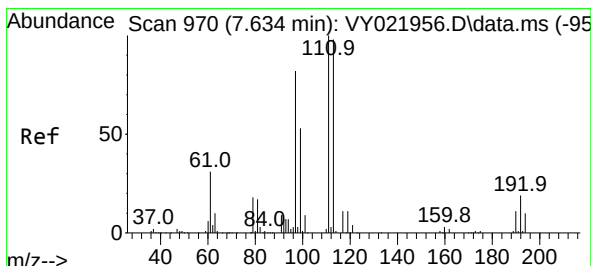
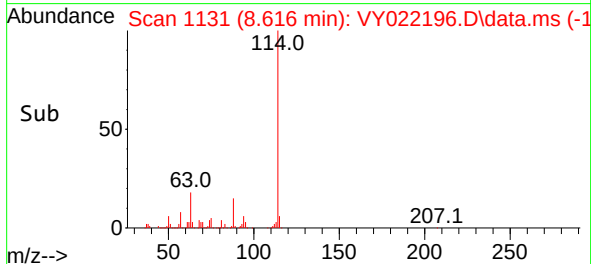
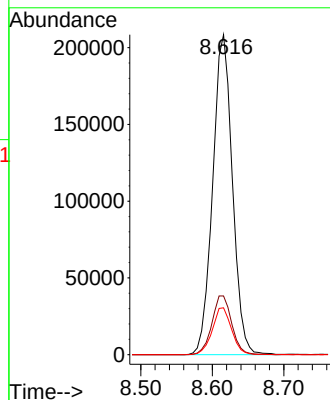
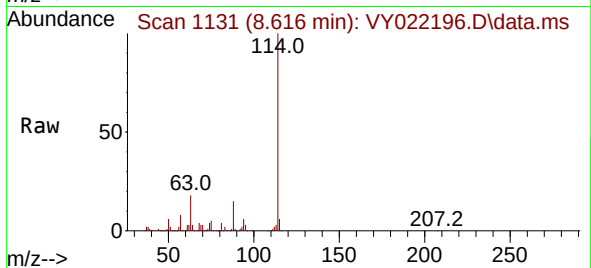
Tgt Ion:114 Resp: 399287

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.4

88 14.7 0.0 28.2



#35

Dibromofluoromethane

Concen: 52.983 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022196.D

Acq: 07 May 2025 16:30

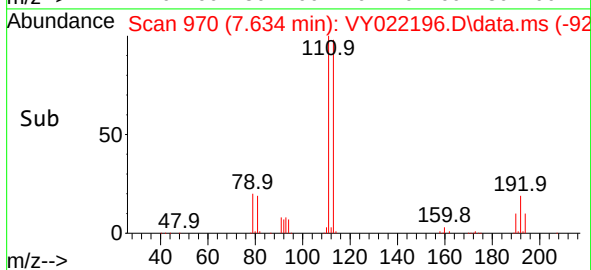
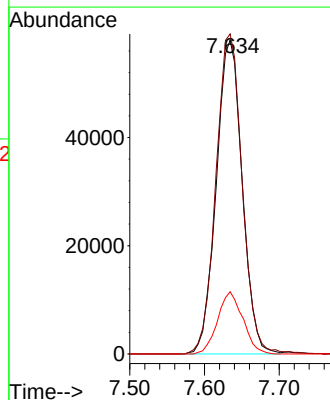
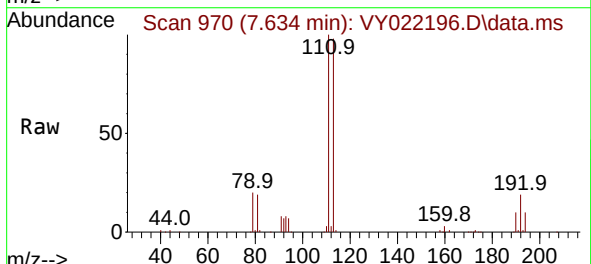
Tgt Ion:113 Resp: 139764

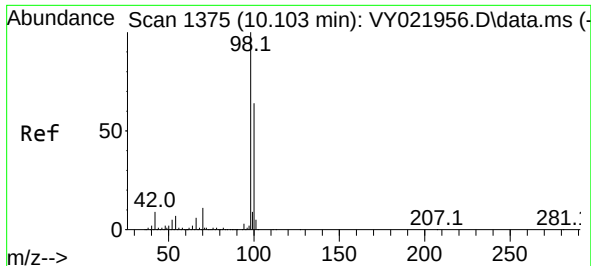
Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.8

192 19.3 15.6 23.4

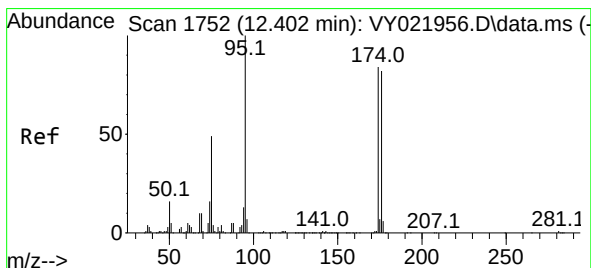
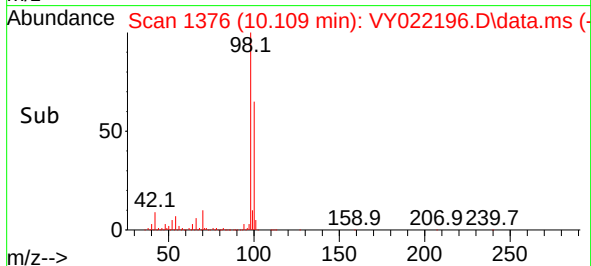
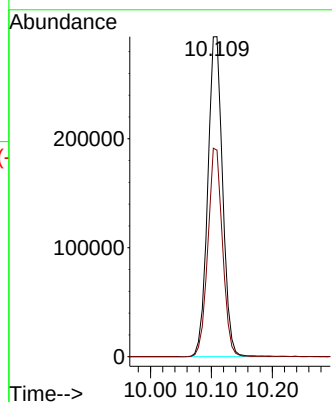
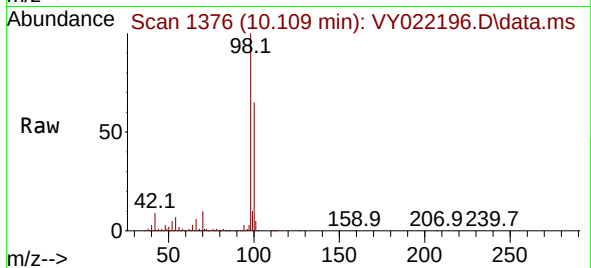




#50
Toluene-d8
Concen: 50.005 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022196.D
Acq: 07 May 2025 16:30

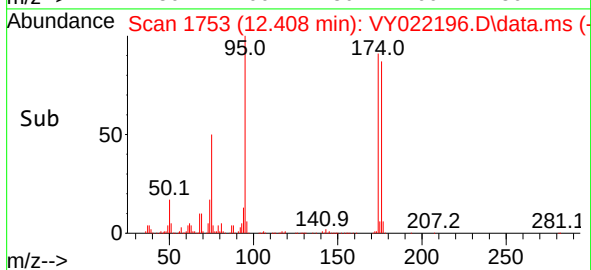
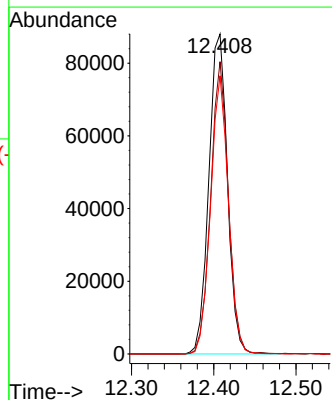
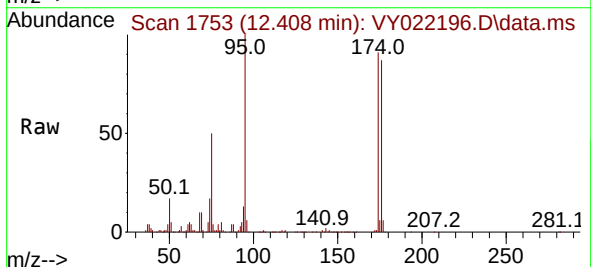
Instrument :
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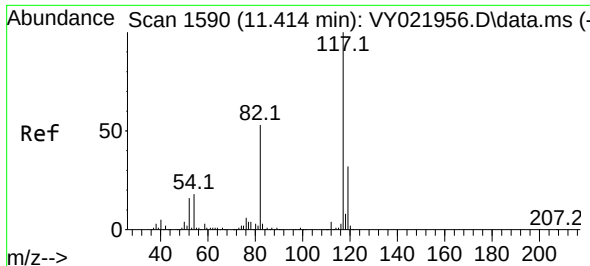
Tgt Ion: 98 Resp: 497298
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 41.474 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022196.D
Acq: 07 May 2025 16:30

Tgt Ion: 95 Resp: 138848
Ion Ratio Lower Upper
95 100
174 87.0 0.0 179.0
176 83.1 0.0 171.8

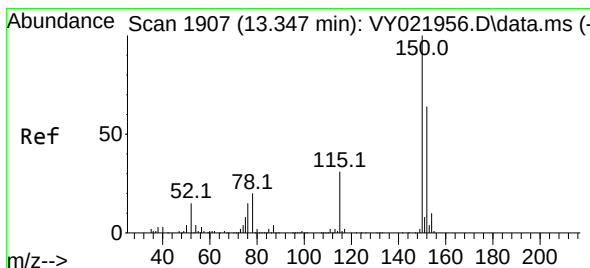
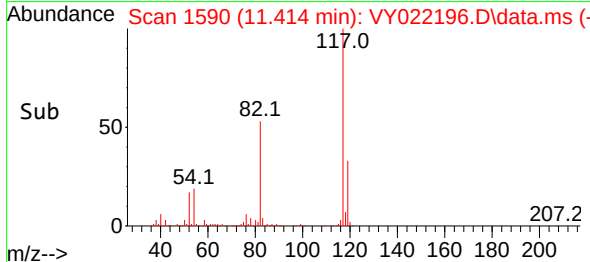
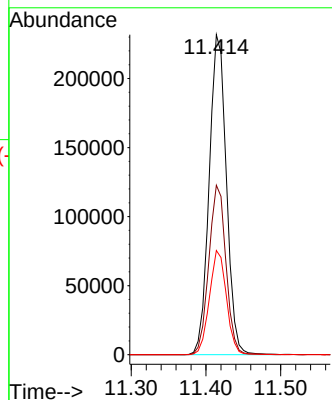
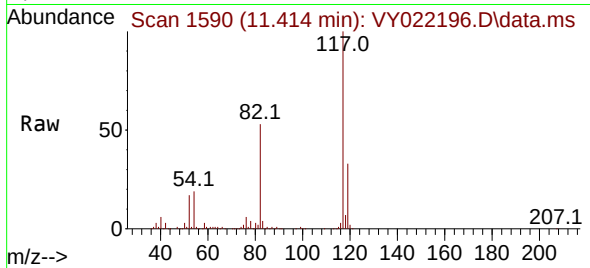




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022196.D
Acq: 07 May 2025 16:30

Instrument :
MSVOA_Y
ClientSampleId :
SUB-WC-2-VOC

Tgt Ion:117 Resp: 370702
Ion Ratio Lower Upper
117 100
82 53.0 42.1 63.1
119 32.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022196.D
Acq: 07 May 2025 16:30

Tgt Ion:152 Resp: 139682
Ion Ratio Lower Upper
152 100
115 56.0 28.0 84.0
150 154.7 0.0 345.6

