

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022334.D
 Acq On : 20 May 2025 11:51
 Operator : SY/MD
 Sample : Q2062-23
 Misc : 5.36g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-6-VOC

Quant Time: May 21 01:46:19 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)

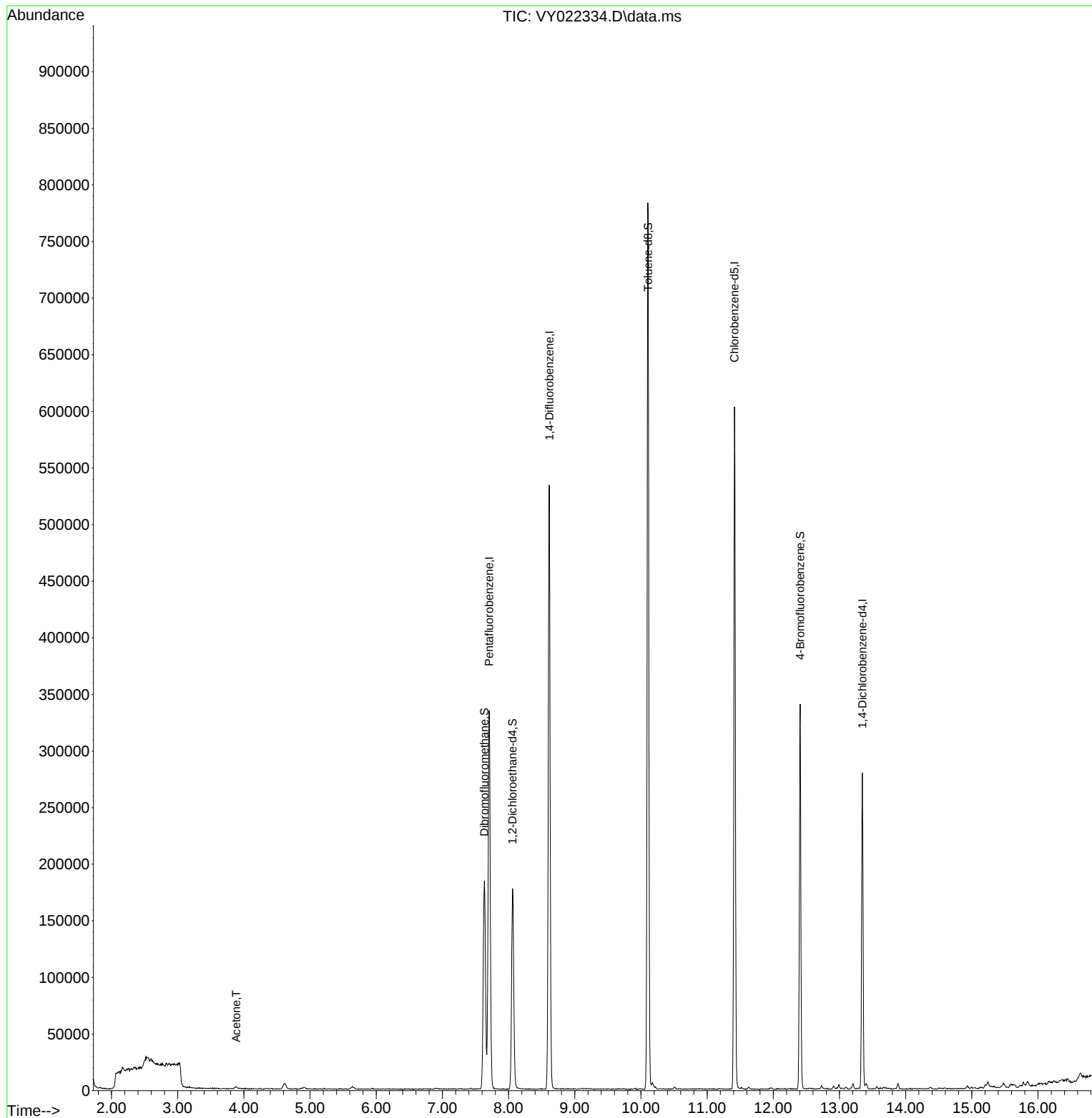
Internal Standards						
1) Pentafluorobenzene	7.707	168	248905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	435521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	293106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	63919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	130118	47.832	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.660%
35) Dibromofluoromethane	7.634	113	128461	49.419	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.840%
50) Toluene-d8	10.109	98	495212	46.515	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.040%
62) 4-Bromofluorobenzene	12.407	95	93569	27.728	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	55.460%
Target Compounds						
16) Acetone	3.884	43	3331	6.530	ug/l	Qvalue 98

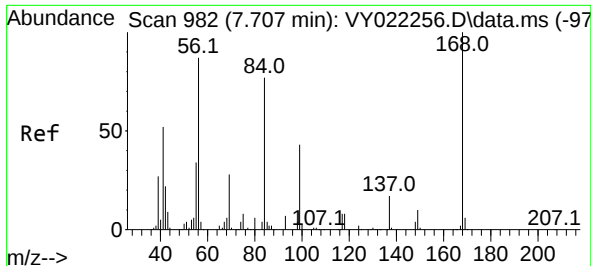
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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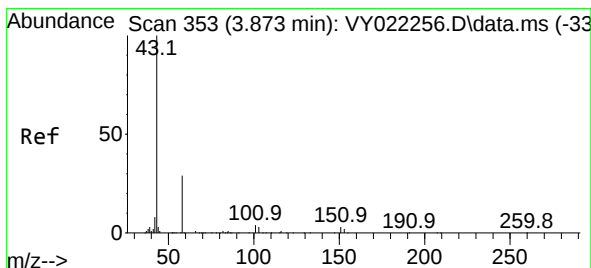
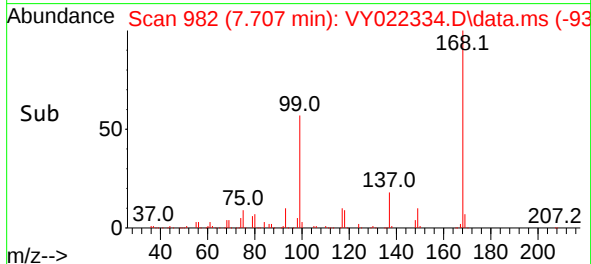
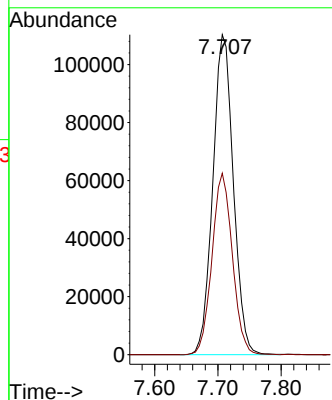
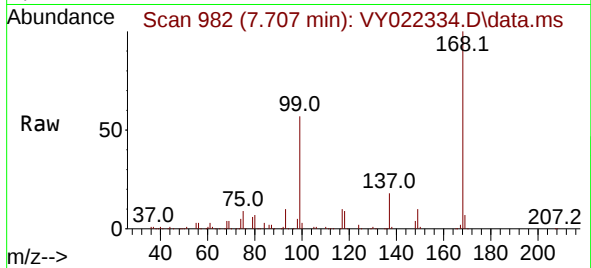




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022334.D
Acq: 20 May 2025 11:51

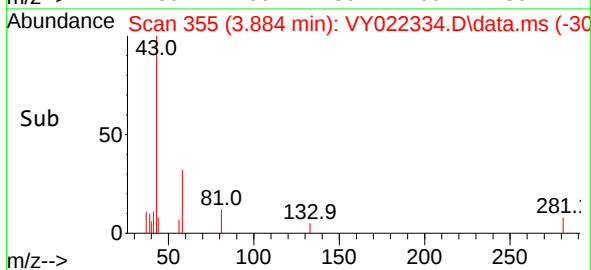
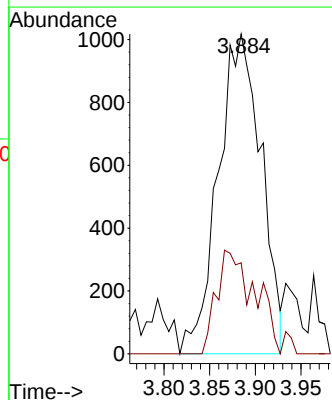
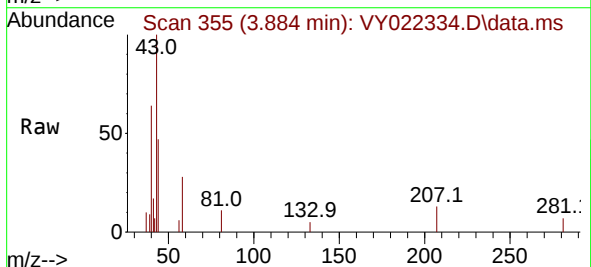
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-6-VOC

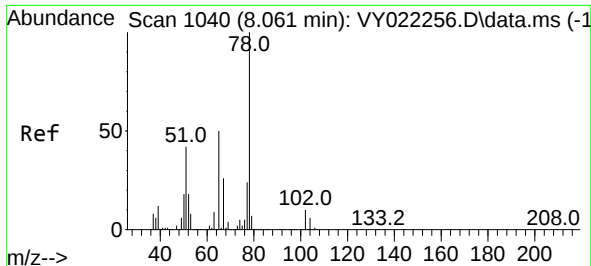
Tgt Ion:168 Resp: 248905
Ion Ratio Lower Upper
168 100
99 56.7 44.2 66.4



#16
Acetone
Concen: 6.530 ug/l
RT: 3.884 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY022334.D
Acq: 20 May 2025 11:51

Tgt Ion: 43 Resp: 3331
Ion Ratio Lower Upper
43 100
58 28.5 23.6 35.4





#33

1,2-Dichloroethane-d4

Concen: 47.832 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022334.D

Acq: 20 May 2025 11:51

Instrument :

MSVOA_Y

ClientSampleId :

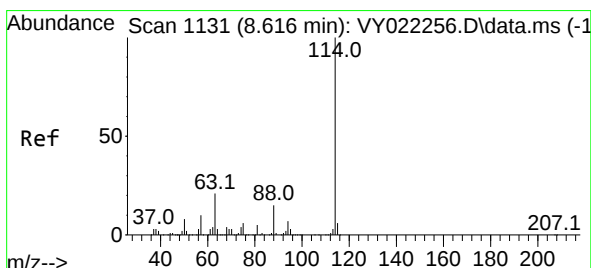
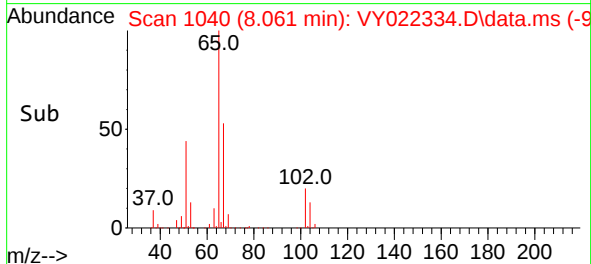
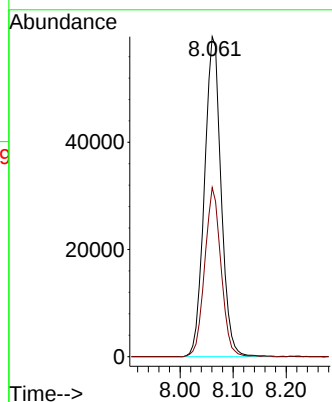
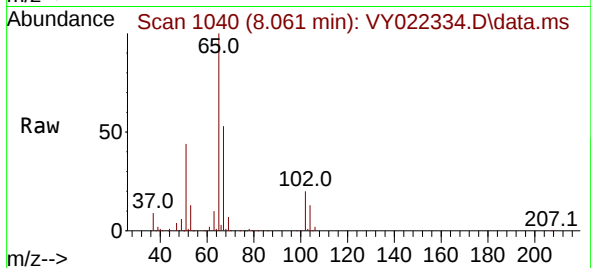
L1-WC-6-VOC

Tgt Ion: 65 Resp: 130118

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022334.D

Acq: 20 May 2025 11:51

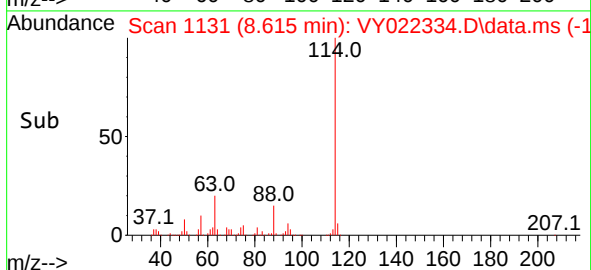
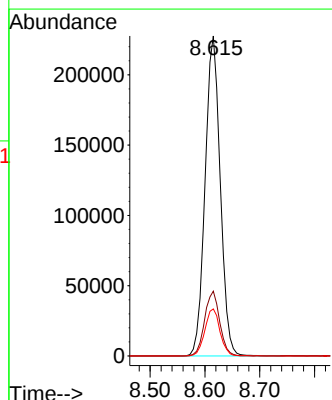
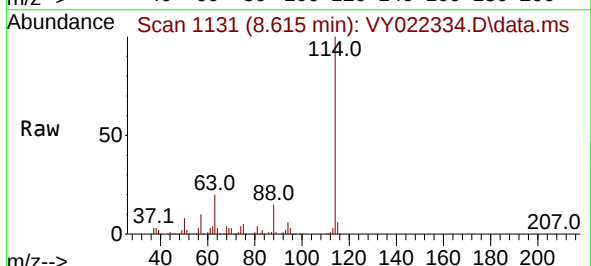
Tgt Ion: 114 Resp: 435521

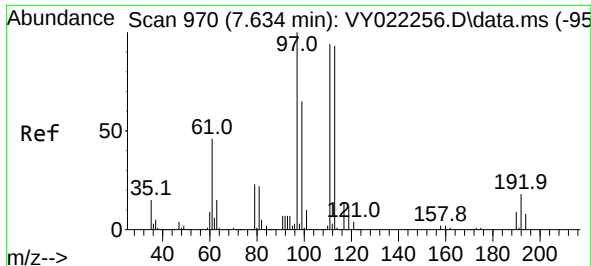
Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.0

88 14.7 0.0 29.4

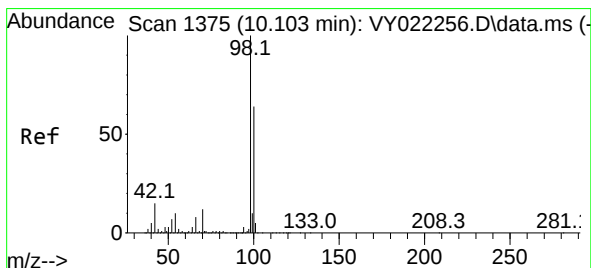
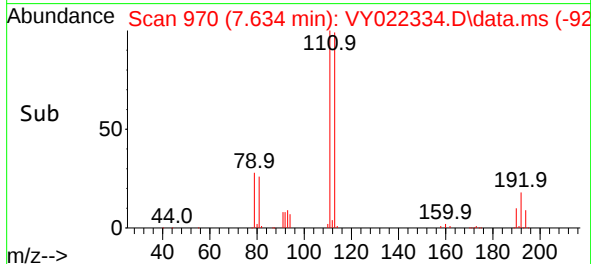
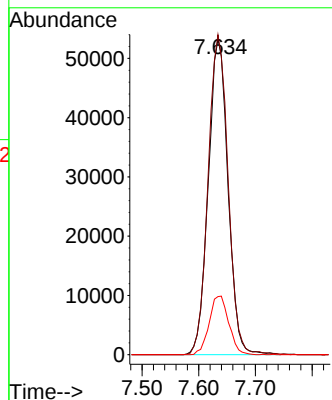
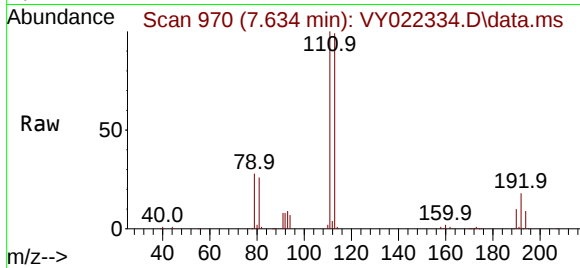




#35
Dibromofluoromethane
Concen: 49.419 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022334.D
Acq: 20 May 2025 11:51

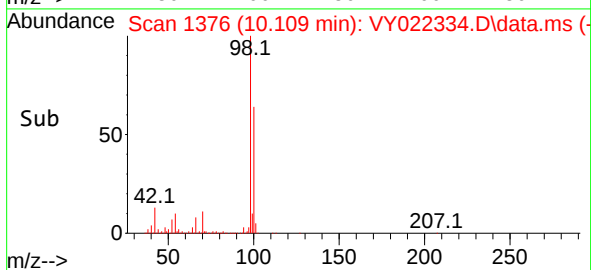
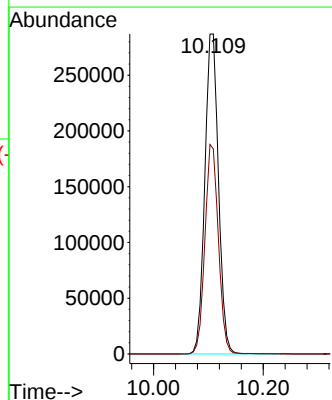
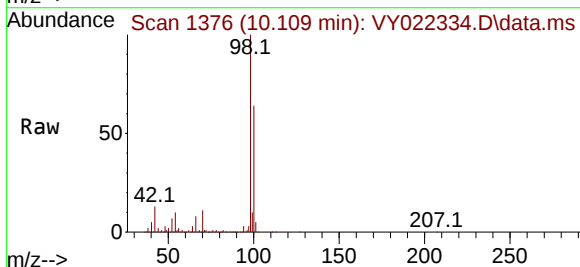
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-6-VOC

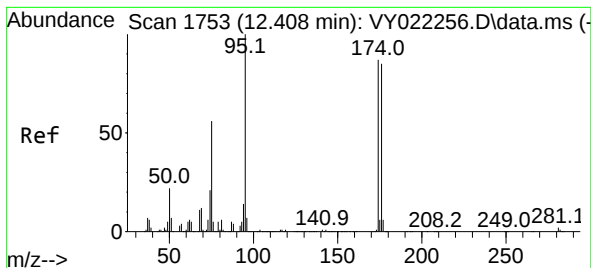
Tgt Ion:113 Resp: 128461
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 18.4 15.2 22.8



#50
Toluene-d8
Concen: 46.515 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022334.D
Acq: 20 May 2025 11:51

Tgt Ion: 98 Resp: 495212
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8

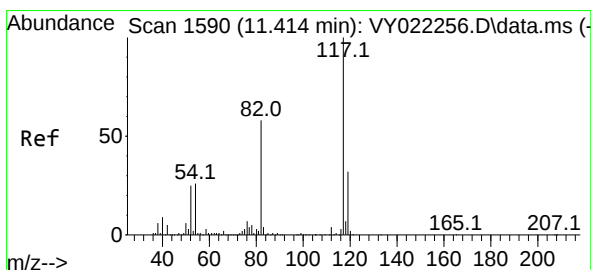
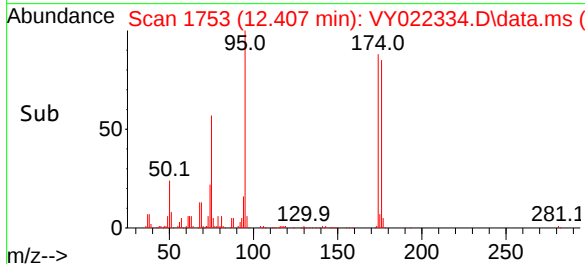
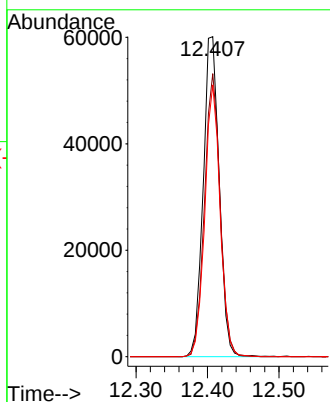
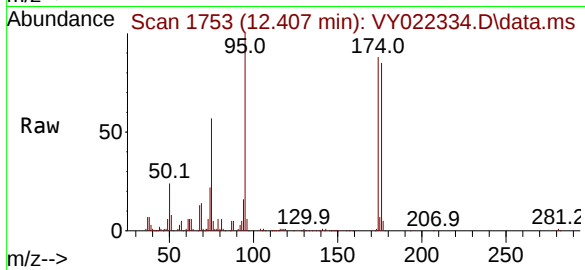




#62
4-Bromofluorobenzene
Concen: 27.728 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022334.D
Acq: 20 May 2025 11:51

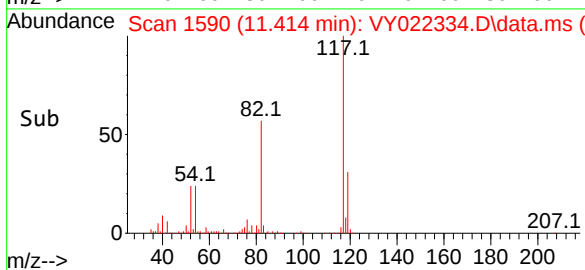
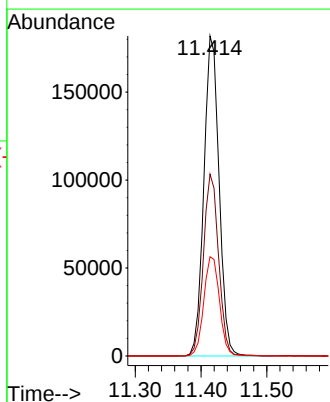
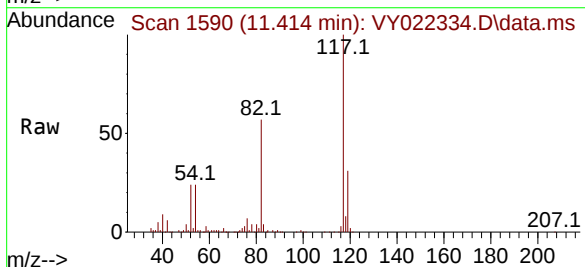
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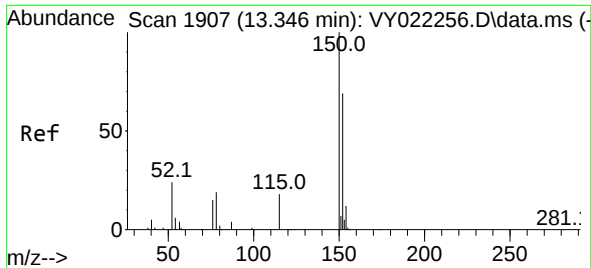
Tgt Ion: 95 Resp: 93569
Ion Ratio Lower Upper
95 100
174 86.6 0.0 166.8
176 81.5 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022334.D
Acq: 20 May 2025 11:51

Tgt Ion: 117 Resp: 293106
Ion Ratio Lower Upper
117 100
82 56.8 46.6 70.0
119 31.0 25.8 38.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022334.D
 Acq: 20 May 2025 11:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-6-VOC

Tgt Ion:152 Resp: 63919
 Ion Ratio Lower Upper
 152 100
 115 58.7 29.4 88.2
 150 156.7 0.0 353.8

