

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101025\
 Data File : VY023441.D
 Acq On : 10 Oct 2025 16:00
 Operator : SY/MD
 Sample : Q3326-03
 Misc : 3.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

Quant Time: Oct 11 02:00:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

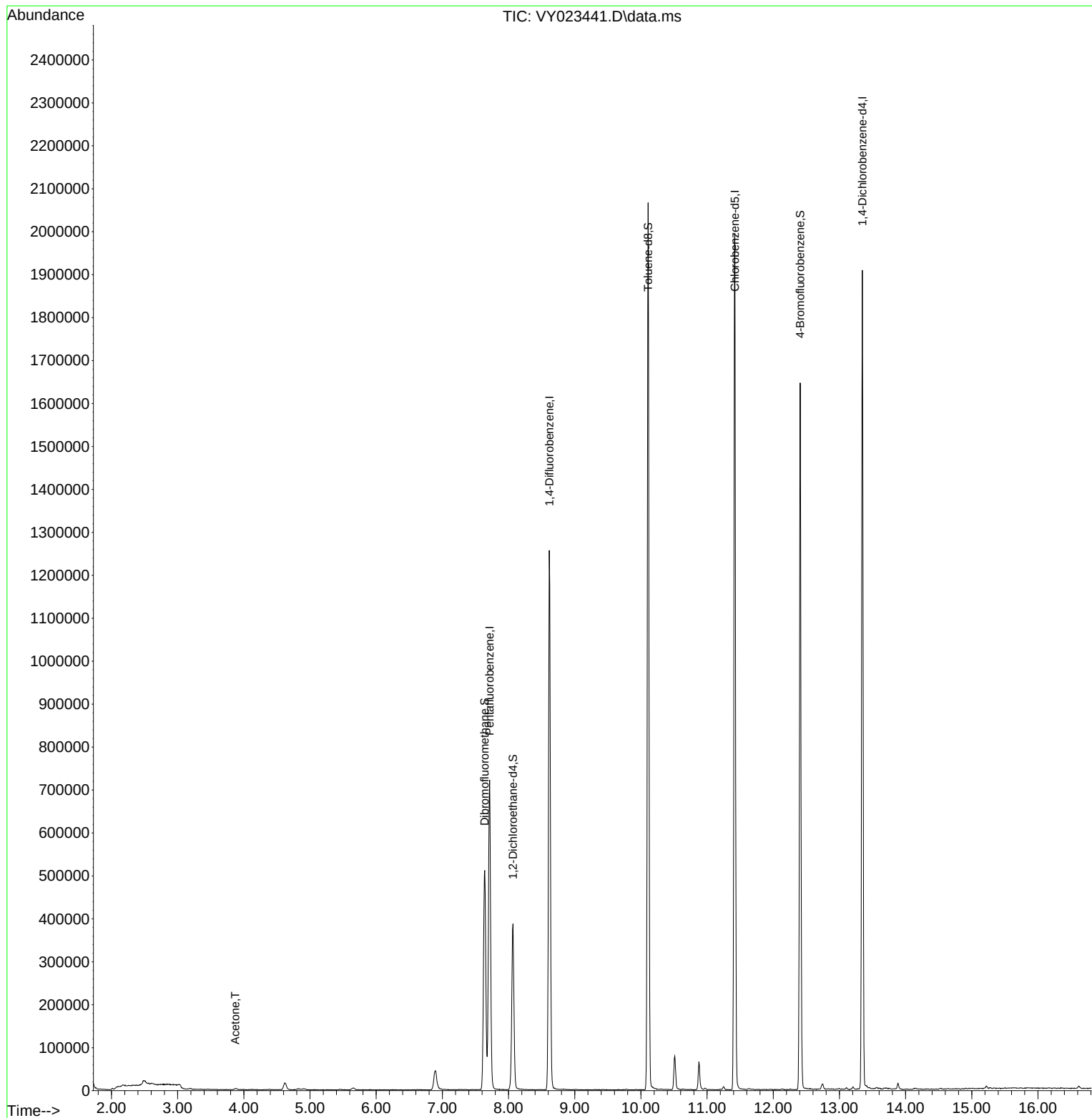
Internal Standards						
1) Pentafluorobenzene	7.713	168	601866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1154564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1165601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	516917	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	295718	58.757	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.520%
35) Dibromofluoromethane	7.640	113	373212	52.608	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.220%
50) Toluene-d8	10.109	98	1375347	52.058	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.120%
62) 4-Bromofluorobenzene	12.408	95	470901	53.987	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.980%
Target Compounds						
16) Acetone	3.872	43	4779	3.989	ug/l	Qvalue # 82

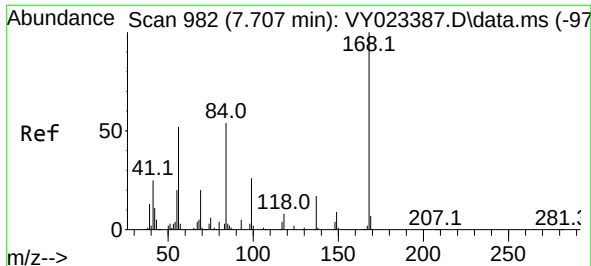
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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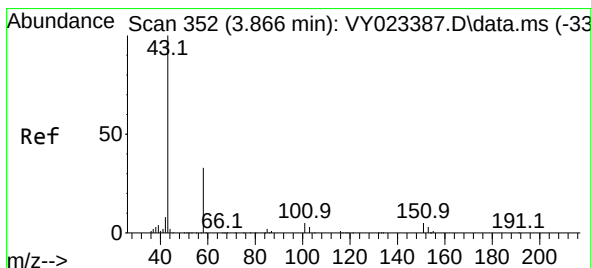
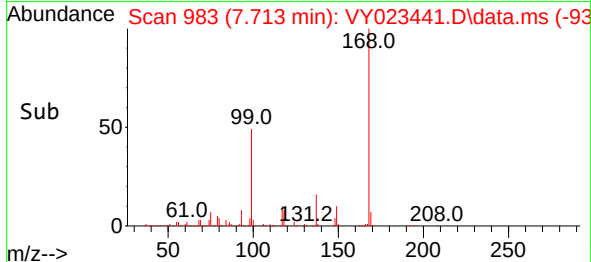
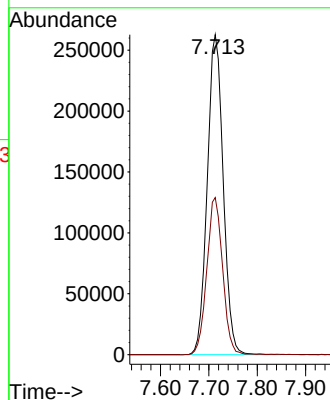
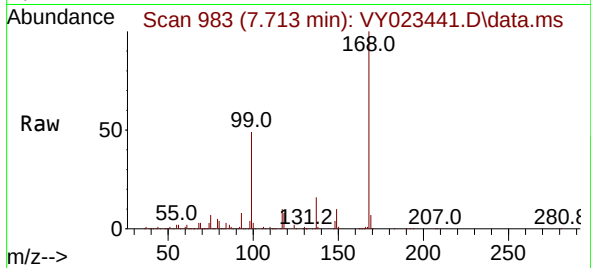




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023441.D
Acq: 10 Oct 2025 16:00

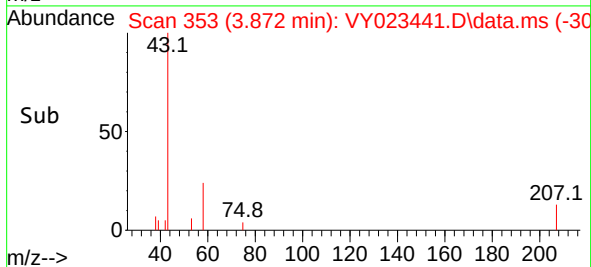
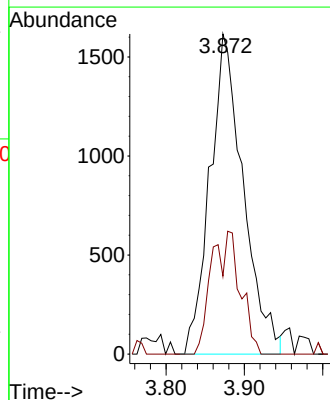
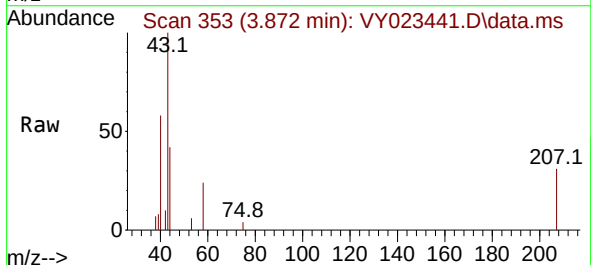
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

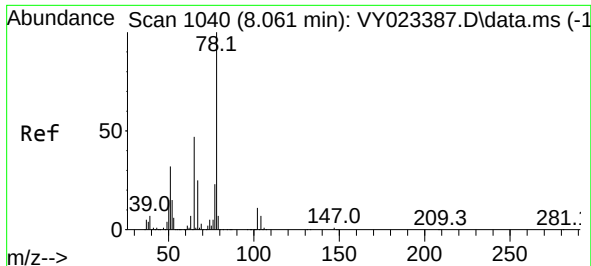
Tgt Ion:168 Resp: 601866
Ion Ratio Lower Upper
168 100
99 49.1 39.7 59.5



#16
Acetone
Concen: 3.989 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023441.D
Acq: 10 Oct 2025 16:00

Tgt Ion: 43 Resp: 4779
Ion Ratio Lower Upper
43 100
58 24.3 27.7 41.5#





#33

1,2-Dichloroethane-d4

Concen: 58.757 ug/l

RT: 8.067 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY023441.D

Acq: 10 Oct 2025 16:00

Instrument :

MSVOA_Y

ClientSampleId :

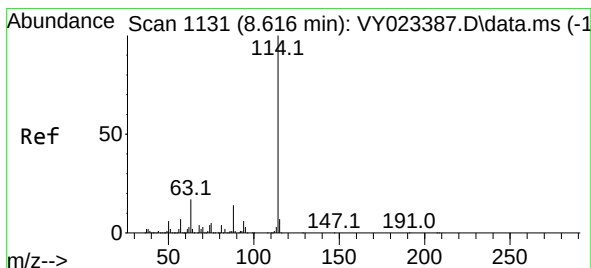
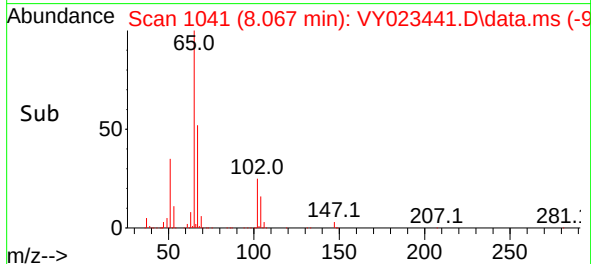
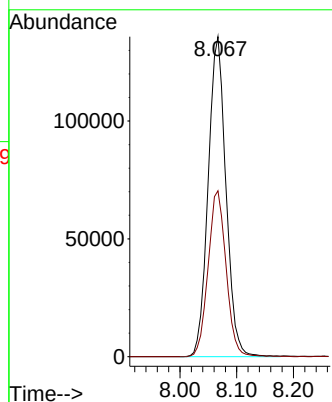
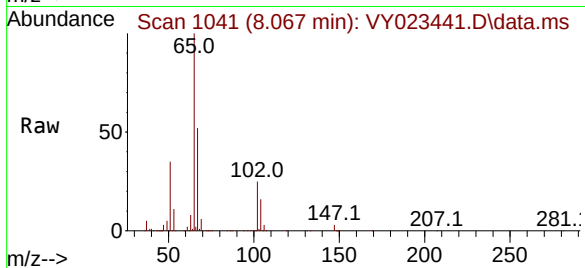
TP-1-VOC

Tgt Ion: 65 Resp: 295718

Ion Ratio Lower Upper

65 100

67 52.5 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: VY023441.D

Acq: 10 Oct 2025 16:00

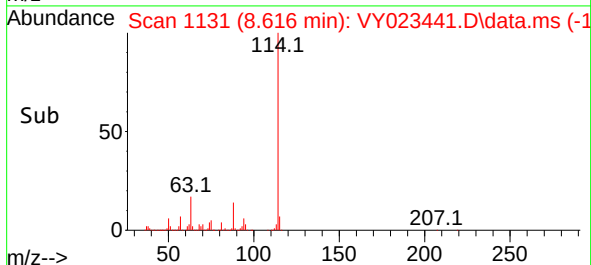
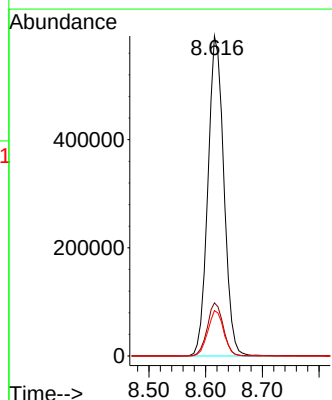
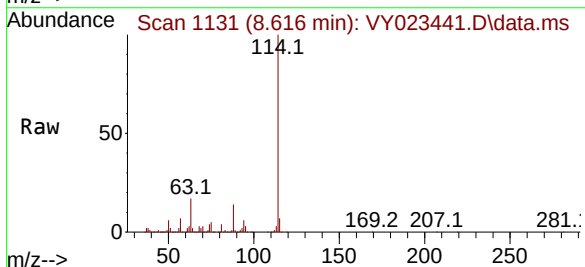
Tgt Ion:114 Resp: 1154564

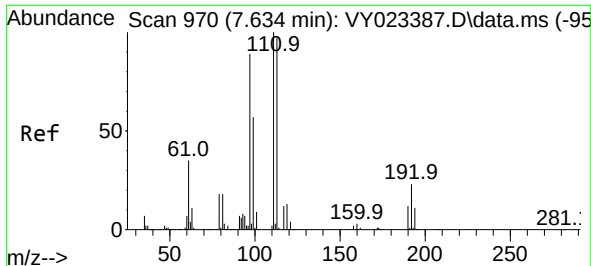
Ion Ratio Lower Upper

114 100

63 16.6 0.0 34.2

88 14.2 0.0 28.4

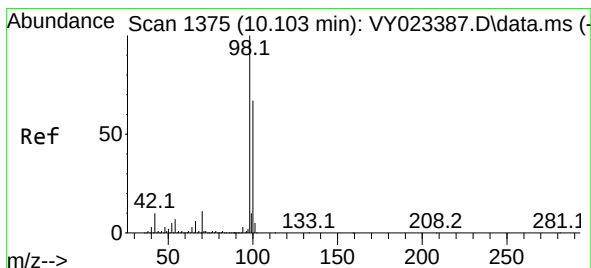
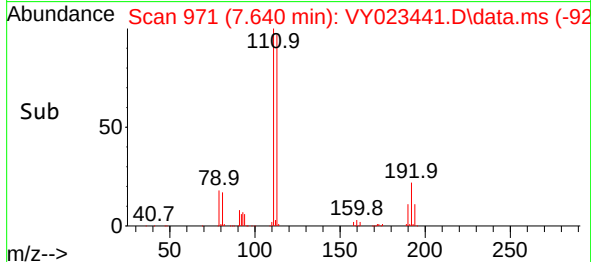
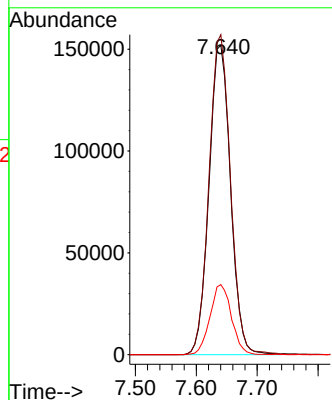
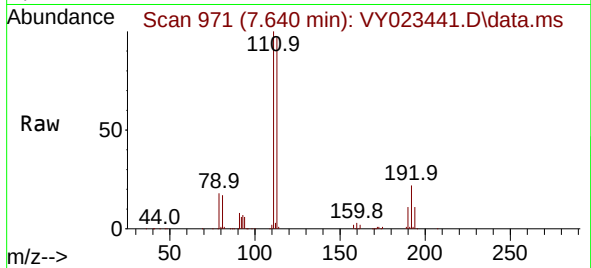




#35
Dibromofluoromethane
Concen: 52.608 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023441.D
Acq: 10 Oct 2025 16:00

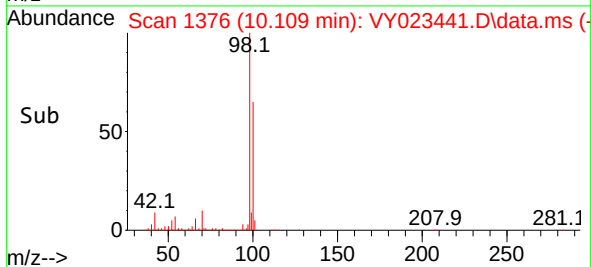
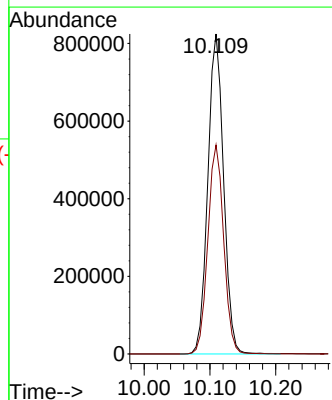
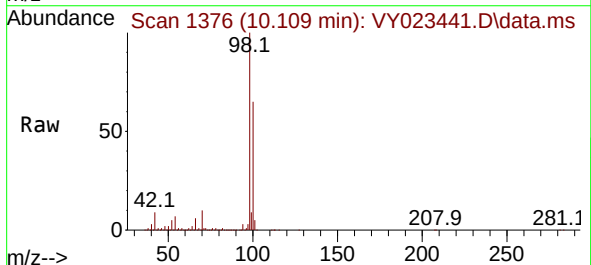
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

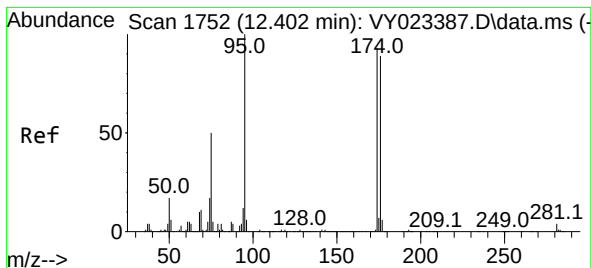
Tgt Ion:113 Resp: 373212
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.6
192 22.6 18.0 27.0



#50
Toluene-d8
Concen: 52.058 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023441.D
Acq: 10 Oct 2025 16:00

Tgt Ion: 98 Resp: 1375347
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4





#62

4-Bromofluorobenzene

Concen: 53.987 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023441.D

Acq: 10 Oct 2025 16:00

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

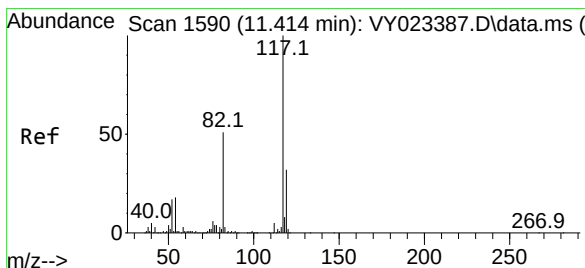
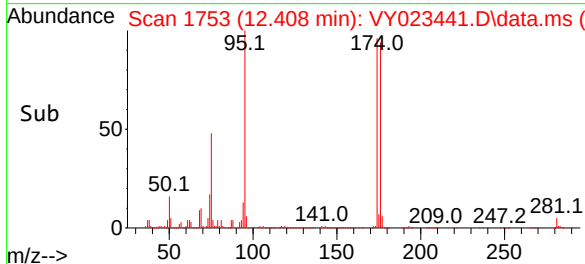
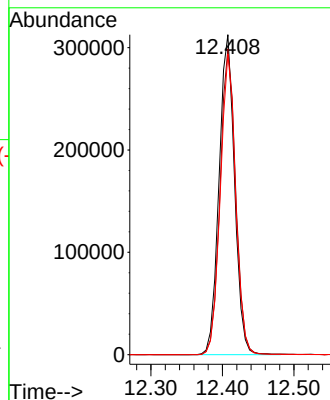
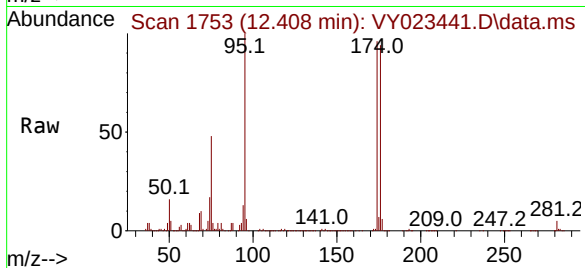
Tgt Ion: 95 Resp: 470901

Ion Ratio Lower Upper

95 100

174 96.1 0.0 192.8

176 93.1 0.0 187.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY023441.D

Acq: 10 Oct 2025 16:00

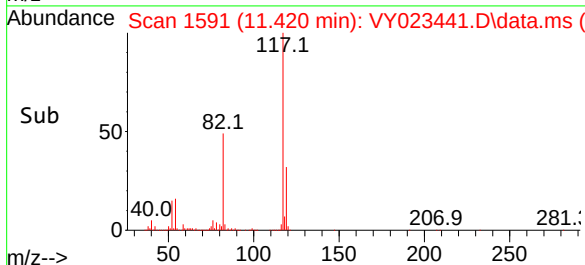
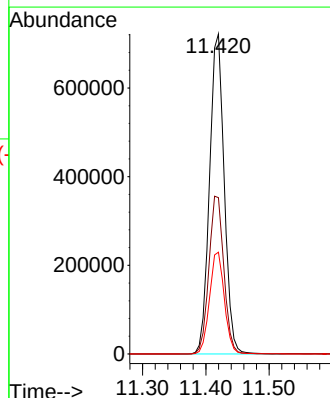
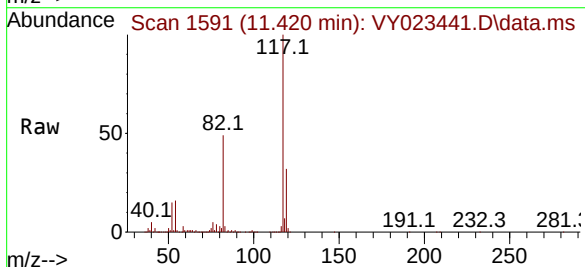
Tgt Ion: 117 Resp: 1165601

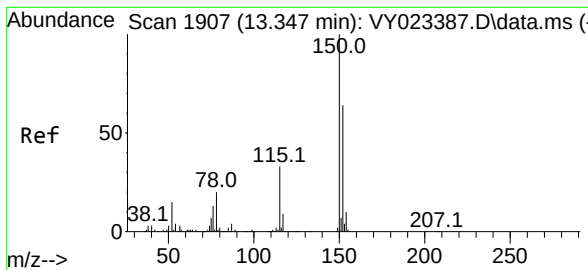
Ion Ratio Lower Upper

117 100

82 48.9 41.0 61.4

119 31.8 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023441.D
 Acq: 10 Oct 2025 16:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

Tgt Ion:152 Resp: 516917
 Ion Ratio Lower Upper
 152 100
 115 53.9 27.1 81.2
 150 156.3 0.0 347.4

