

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023509.D
 Acq On : 20 Oct 2025 15:23
 Operator : SY/MD
 Sample : Q3392-03
 Misc : 3.85g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-20-VOC

Quant Time: Oct 21 03:59:57 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)

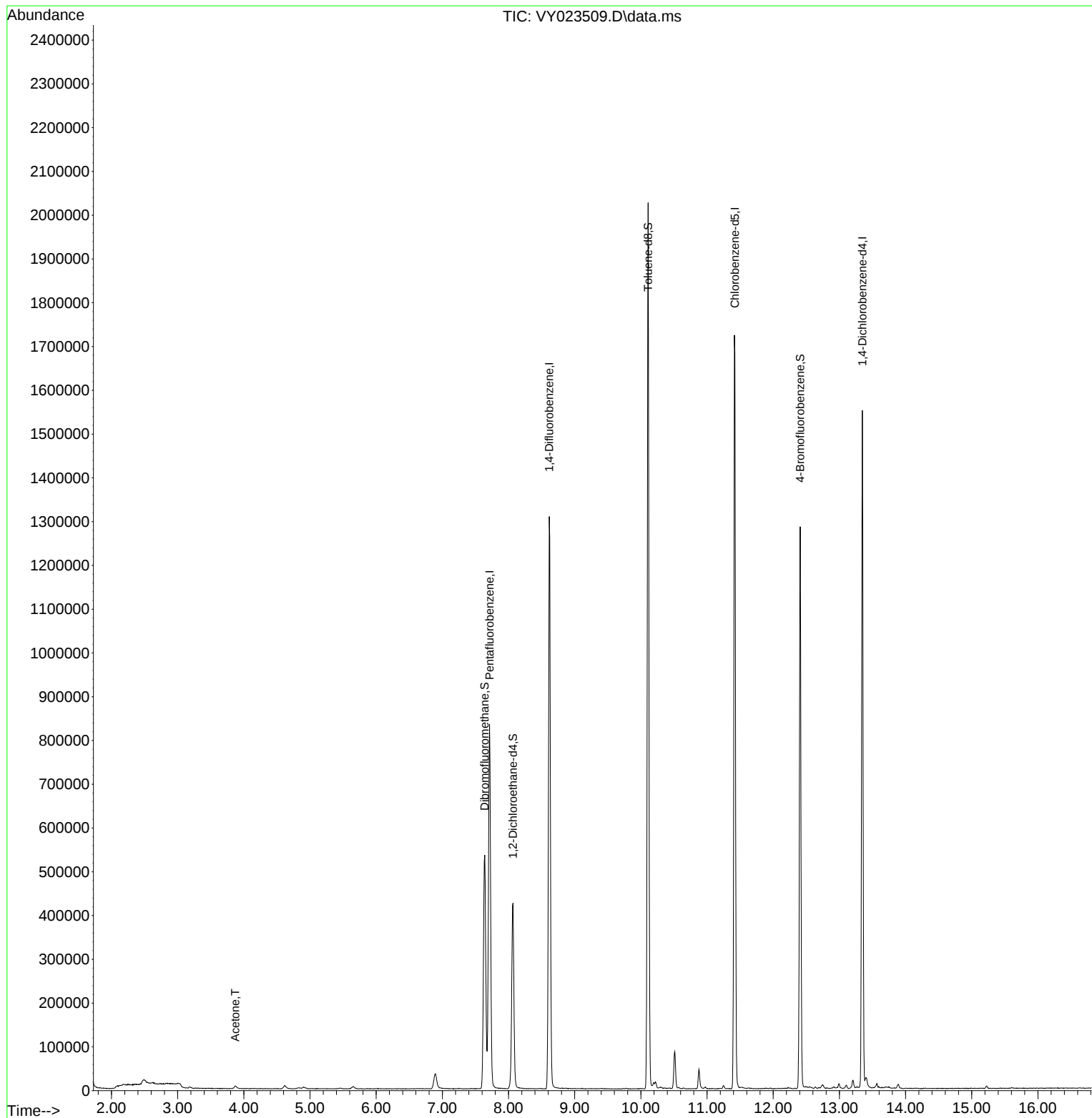
Internal Standards						
1) Pentafluorobenzene	7.713	168	684849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1177232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	995247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	411384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	329934	57.612	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.220%
35) Dibromofluoromethane	7.640	113	387381	53.553	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.100%
50) Toluene-d8	10.109	98	1347428	50.019	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.040%
62) 4-Bromofluorobenzene	12.408	95	365399	41.085	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.180%
Target Compounds						
16) Acetone	3.873	43	10099	7.407	ug/l	Qvalue # 75

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

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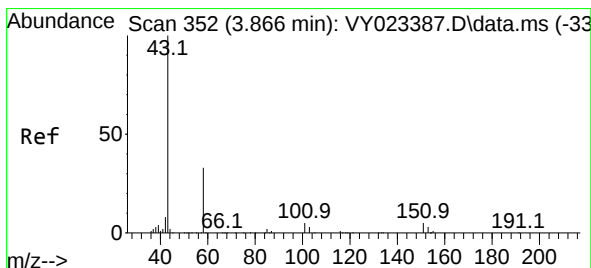
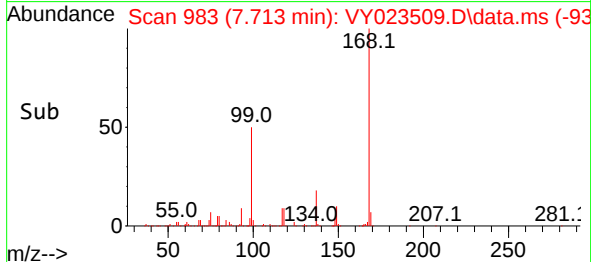
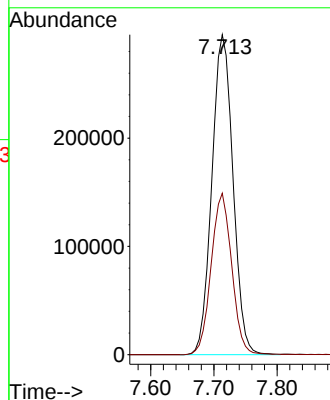
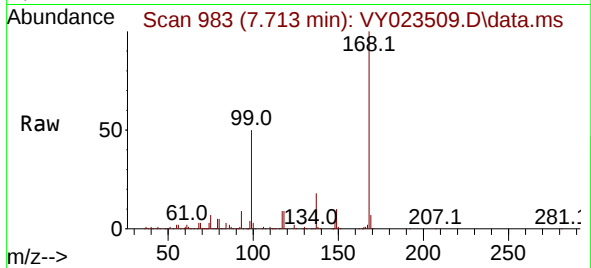




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023509.D
Acq: 20 Oct 2025 15:23

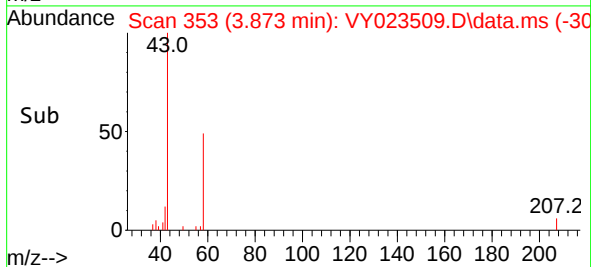
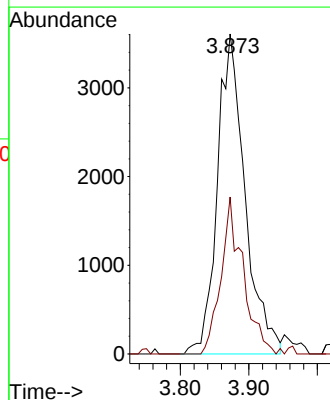
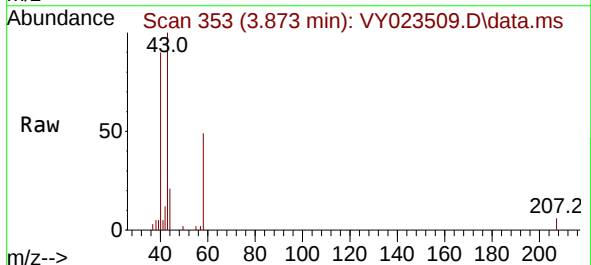
Instrument :
MSVOA_Y
ClientSampleId :
MH-20-VOC

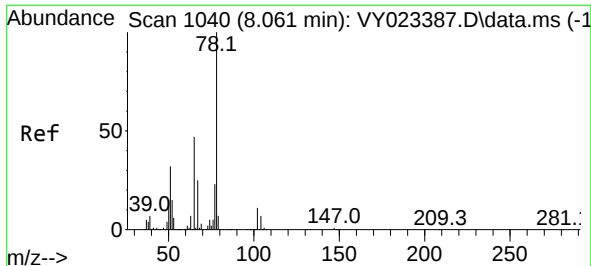
Tgt Ion:168 Resp: 684849
Ion Ratio Lower Upper
168 100
99 50.5 39.7 59.5



#16
Acetone
Concen: 7.407 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023509.D
Acq: 20 Oct 2025 15:23

Tgt Ion: 43 Resp: 10099
Ion Ratio Lower Upper
43 100
58 49.1 27.7 41.5#





#33

1,2-Dichloroethane-d4

Concen: 57.612 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023509.D

Acq: 20 Oct 2025 15:23

Instrument :

MSVOA_Y

ClientSampleId :

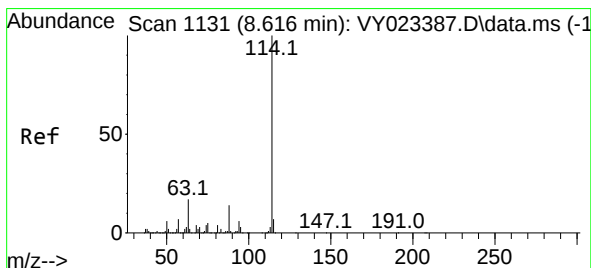
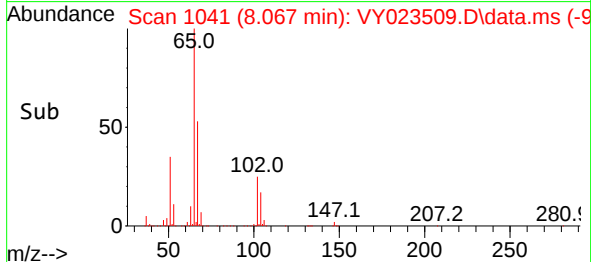
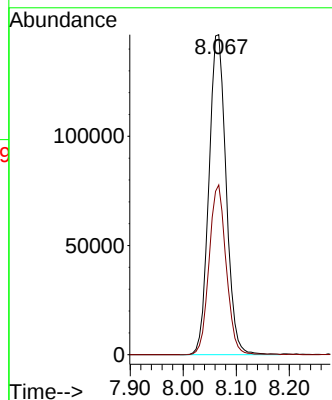
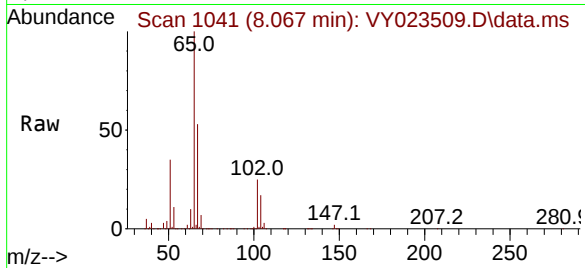
MH-20-VOC

Tgt Ion: 65 Resp: 329934

Ion Ratio Lower Upper

65 100

67 52.6 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: VY023509.D

Acq: 20 Oct 2025 15:23

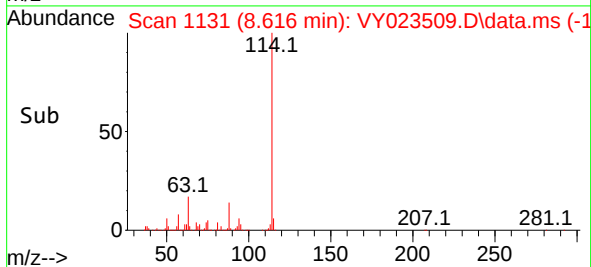
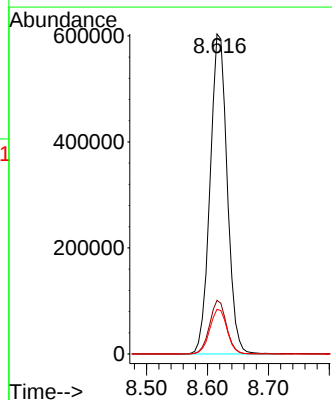
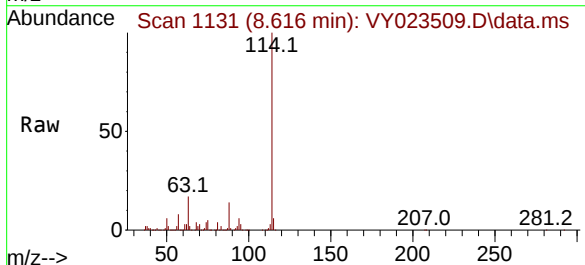
Tgt Ion: 114 Resp: 1177232

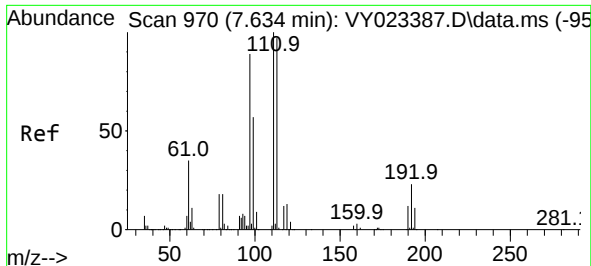
Ion Ratio Lower Upper

114 100

63 16.8 0.0 34.2

88 14.0 0.0 28.4

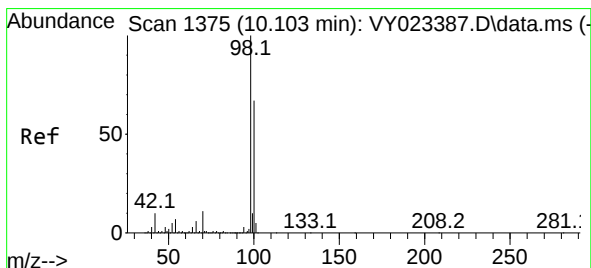
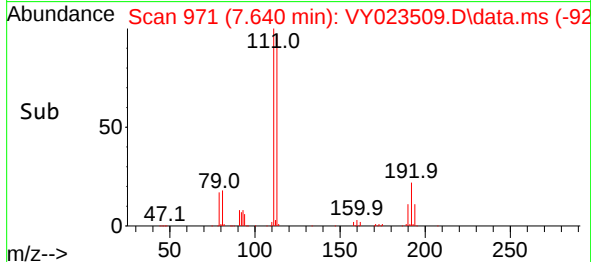
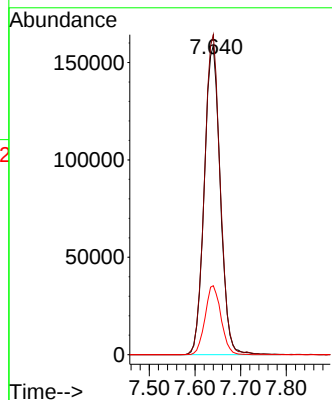
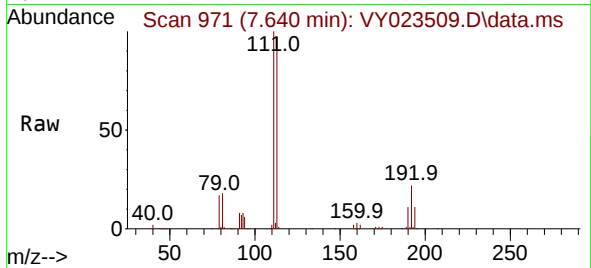




#35
Dibromofluoromethane
Concen: 53.553 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023509.D
Acq: 20 Oct 2025 15:23

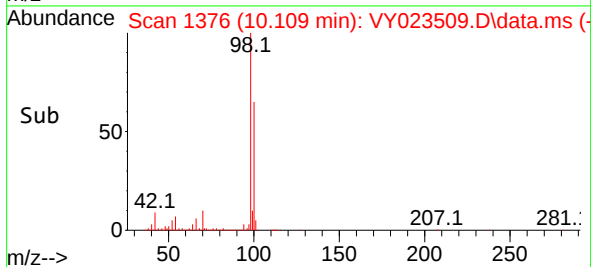
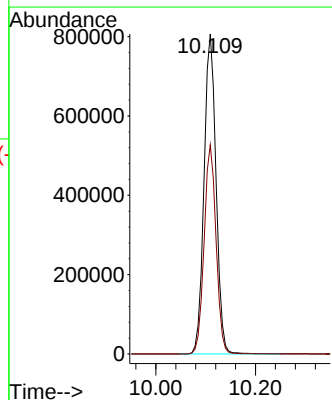
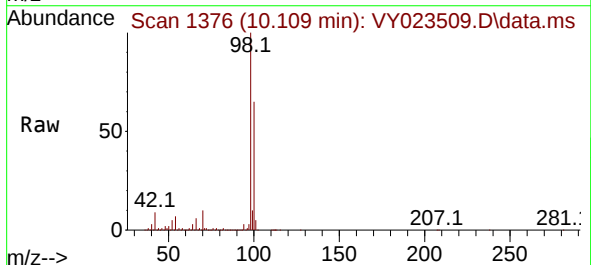
Instrument :
MSVOA_Y
ClientSampleId :
MH-20-VOC

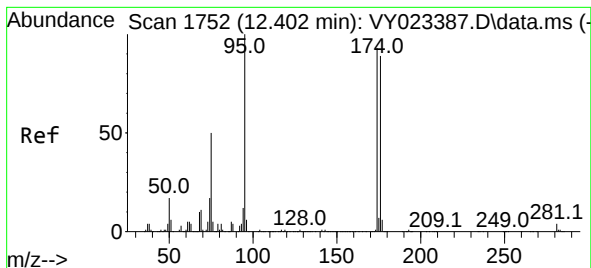
Tgt Ion:113 Resp: 387381
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.6
192 22.2 18.0 27.0



#50
Toluene-d8
Concen: 50.019 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023509.D
Acq: 20 Oct 2025 15:23

Tgt Ion: 98 Resp: 1347428
Ion Ratio Lower Upper
98 100
100 64.9 53.0 79.4

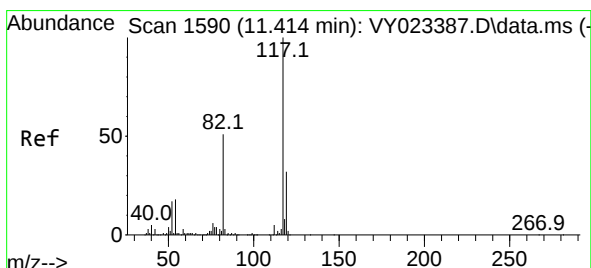
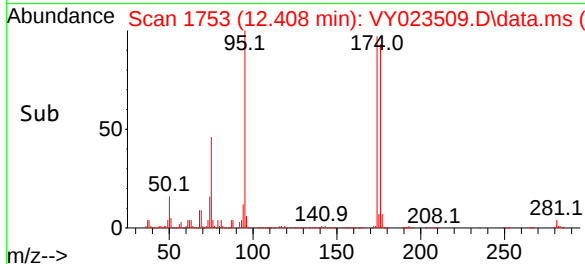
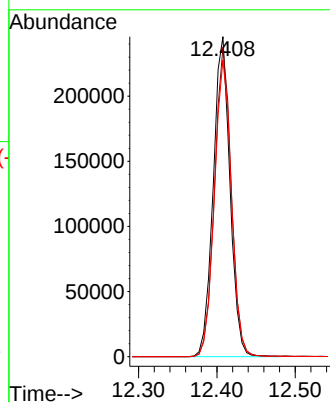
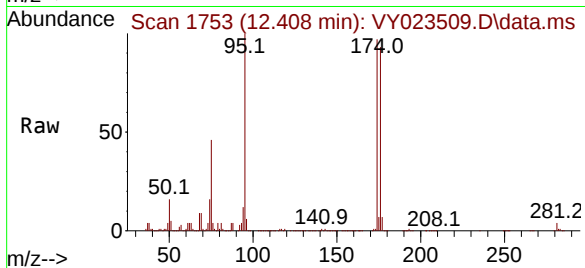




#62
4-Bromofluorobenzene
Concen: 41.085 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023509.D
Acq: 20 Oct 2025 15:23

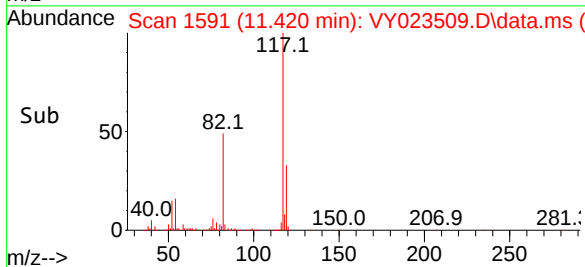
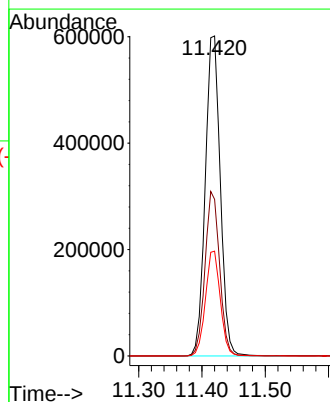
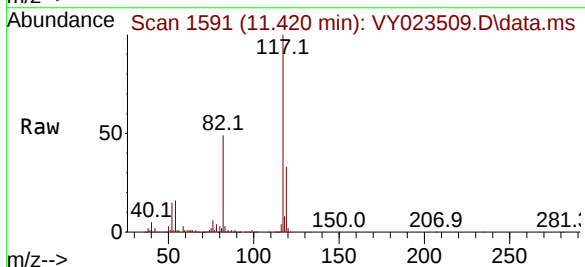
Instrument :
MSVOA_Y
ClientSampleId :
MH-20-VOC

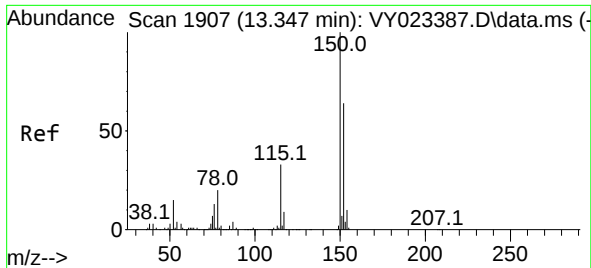
Tgt Ion: 95 Resp: 365399
Ion Ratio Lower Upper
95 100
174 97.0 0.0 192.8
176 93.9 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023509.D
Acq: 20 Oct 2025 15:23

Tgt Ion: 117 Resp: 995247
Ion Ratio Lower Upper
117 100
82 48.9 41.0 61.4
119 32.8 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: VY023509.D
 Acq: 20 Oct 2025 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-20-VOC

Tgt Ion:152 Resp: 411384
 Ion Ratio Lower Upper
 152 100
 115 54.3 27.1 81.2
 150 156.8 0.0 347.4

