

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023502.D
 Acq On : 20 Oct 2025 12:31
 Operator : SY/MD
 Sample : Q3374-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4-VOC

Quant Time: Oct 21 03:57:21 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)

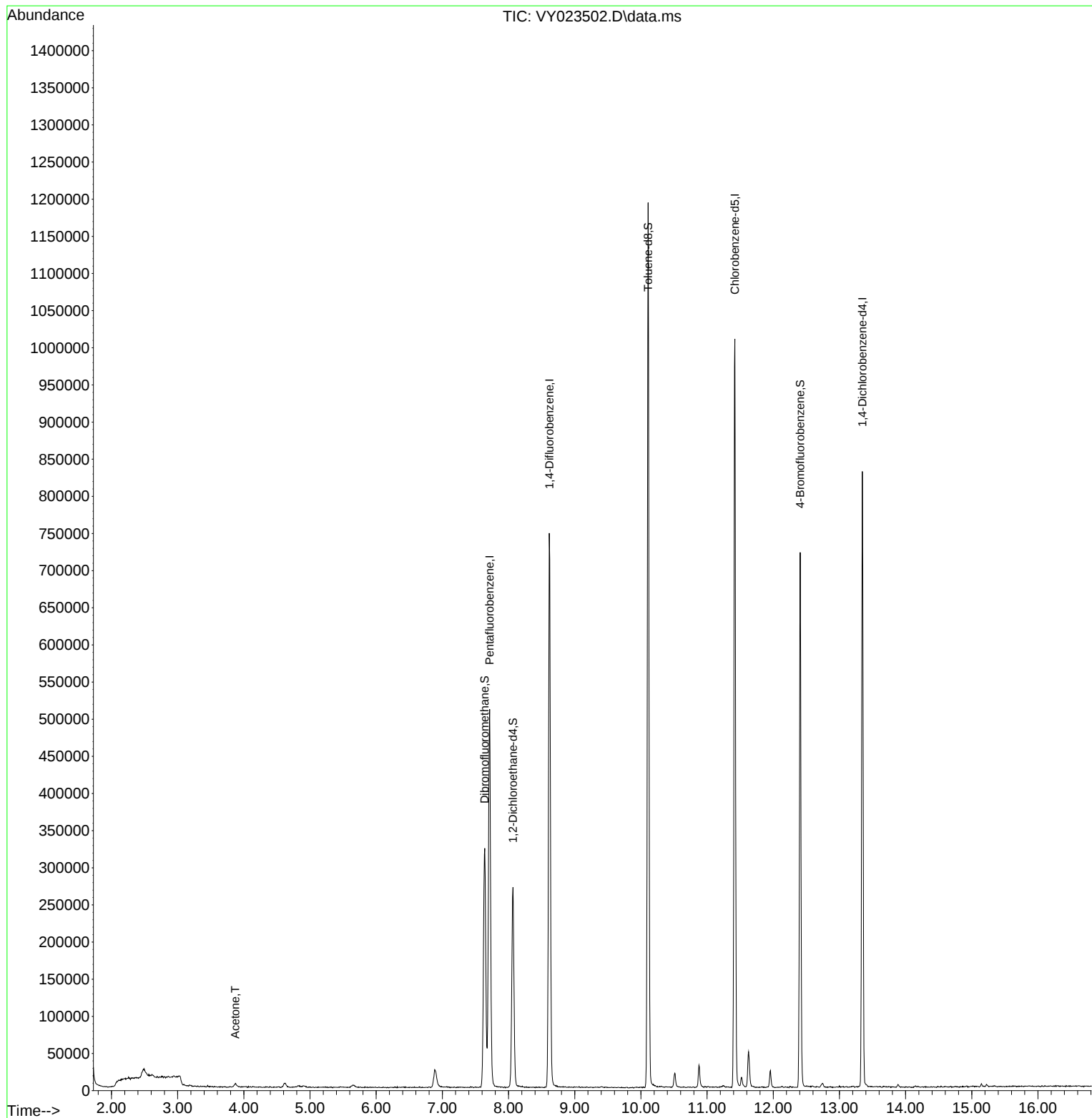
Internal Standards						
1) Pentafluorobenzene	7.713	168	419121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	683101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	580900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	224366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	206644	58.961	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.920%
35) Dibromofluoromethane	7.640	113	231847	55.237	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.480%
50) Toluene-d8	10.109	98	771058	49.328	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.660%
62) 4-Bromofluorobenzene	12.408	95	207406	40.190	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.380%
Target Compounds						
16) Acetone	3.873	43	7749	9.287	ug/l	Qvalue # 85

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

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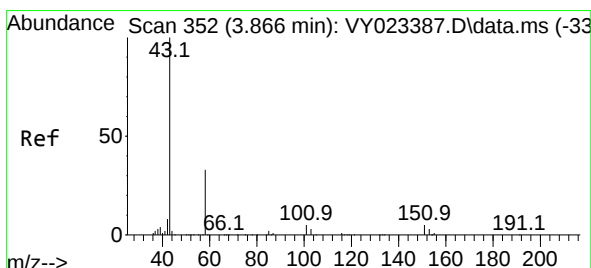
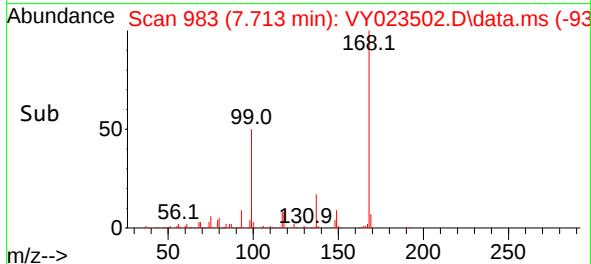
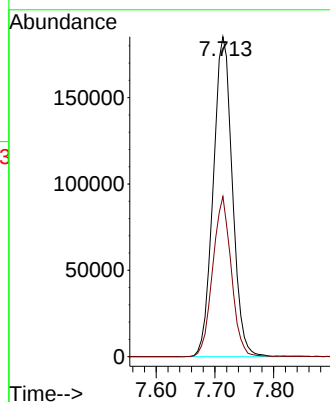
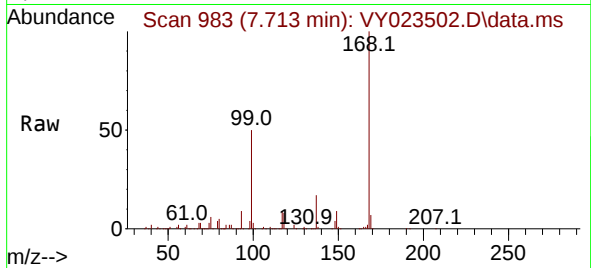




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023502.D
Acq: 20 Oct 2025 12:31

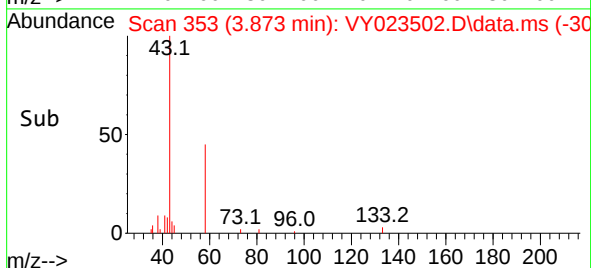
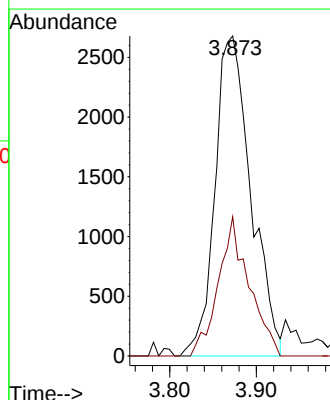
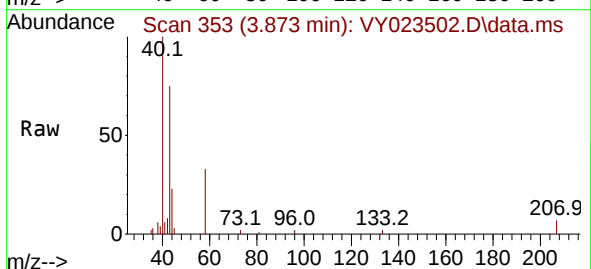
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

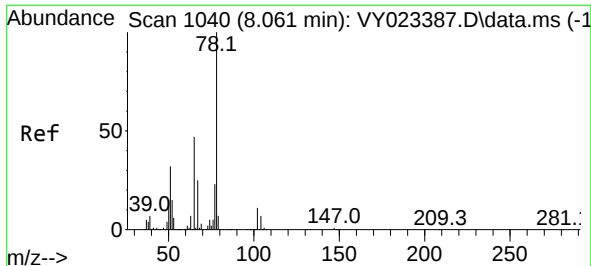
Tgt Ion:168 Resp: 419121
Ion Ratio Lower Upper
168 100
99 50.1 39.7 59.5



#16
Acetone
Concen: 9.287 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023502.D
Acq: 20 Oct 2025 12:31

Tgt Ion: 43 Resp: 7749
Ion Ratio Lower Upper
43 100
58 43.5 27.7 41.5#





#33

1,2-Dichloroethane-d4

Concen: 58.961 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023502.D

Acq: 20 Oct 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :

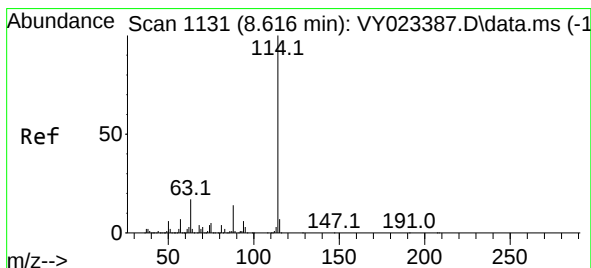
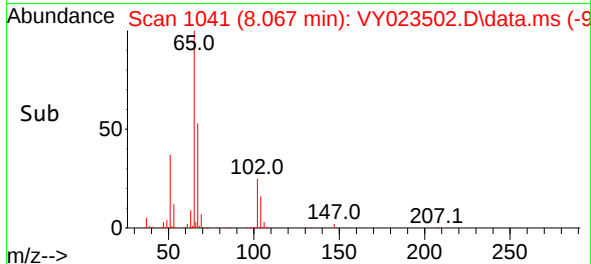
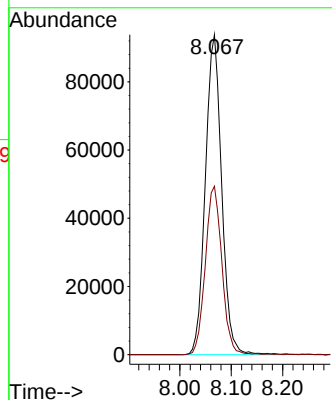
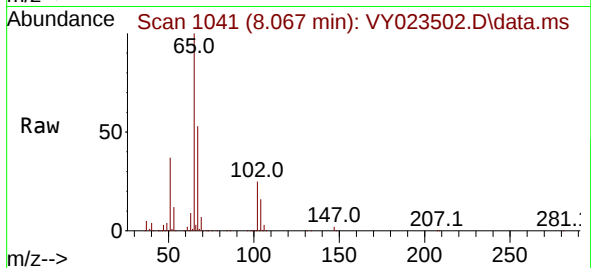
TP-4-VOC

Tgt Ion: 65 Resp: 206644

Ion Ratio Lower Upper

65 100

67 53.5 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: VY023502.D

Acq: 20 Oct 2025 12:31

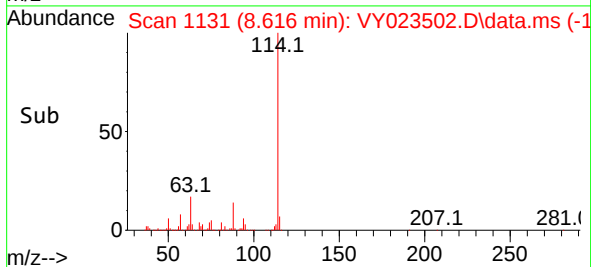
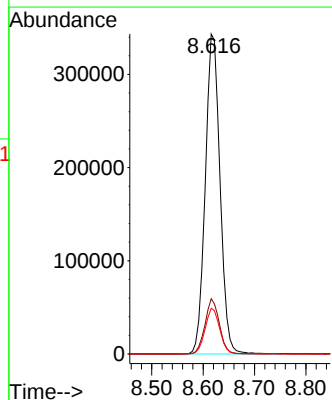
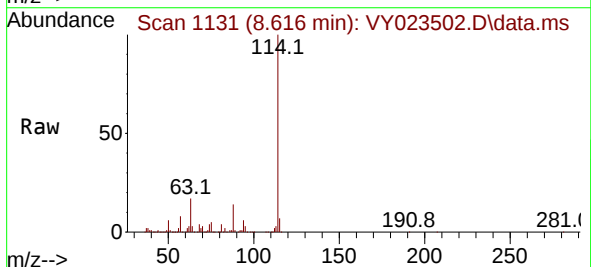
Tgt Ion: 114 Resp: 683101

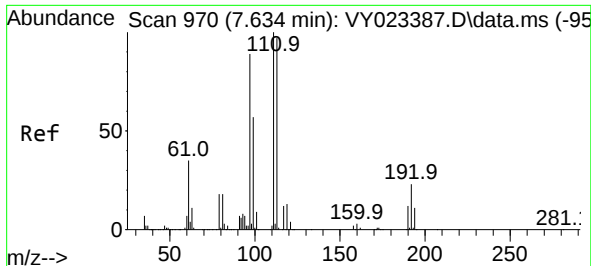
Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.2

88 14.3 0.0 28.4

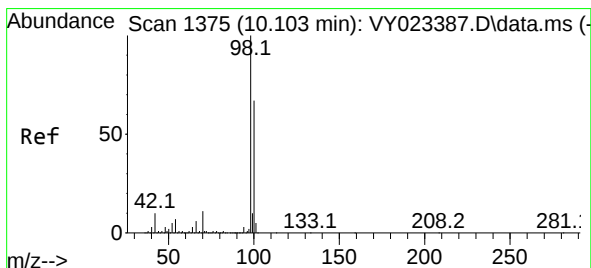
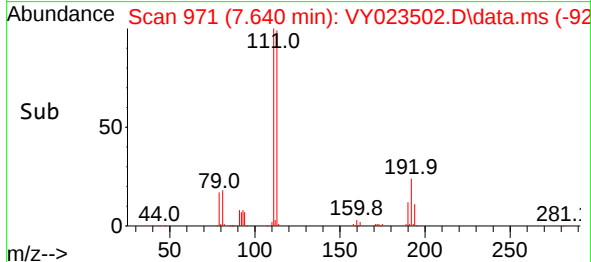
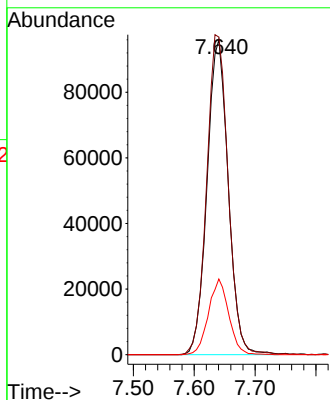
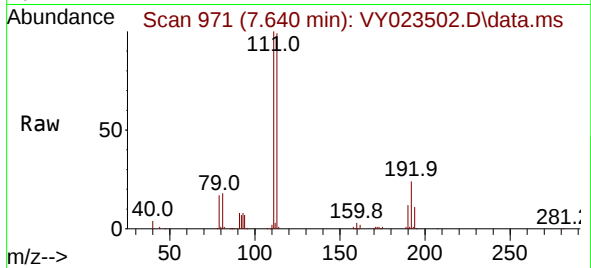




#35
Dibromofluoromethane
Concen: 55.237 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023502.D
Acq: 20 Oct 2025 12:31

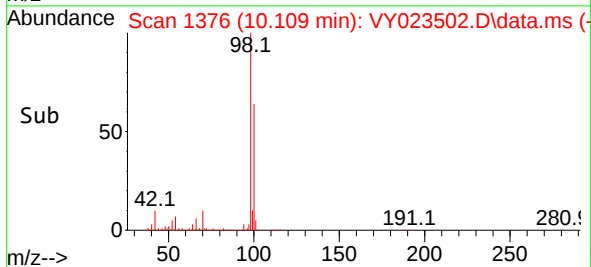
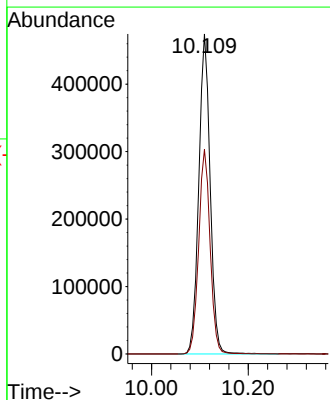
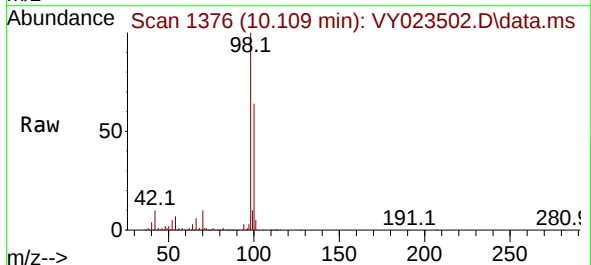
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

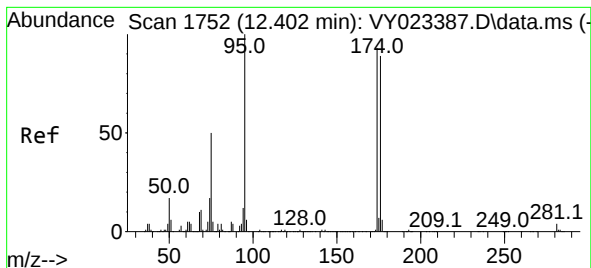
Tgt Ion:113 Resp: 231847
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.6
192 23.0 18.0 27.0



#50
Toluene-d8
Concen: 49.328 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023502.D
Acq: 20 Oct 2025 12:31

Tgt Ion: 98 Resp: 771058
Ion Ratio Lower Upper
98 100
100 64.4 53.0 79.4

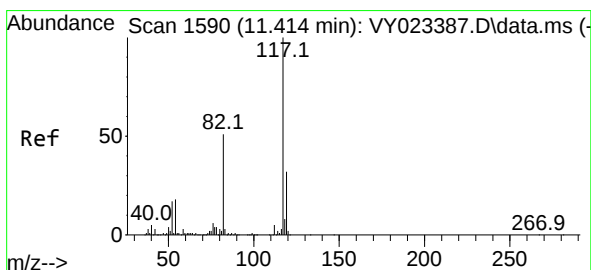
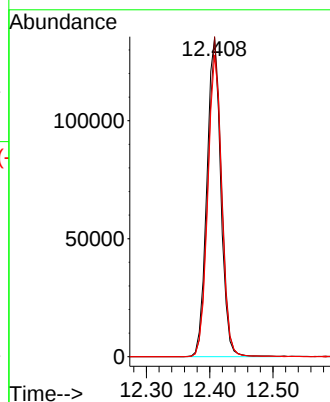
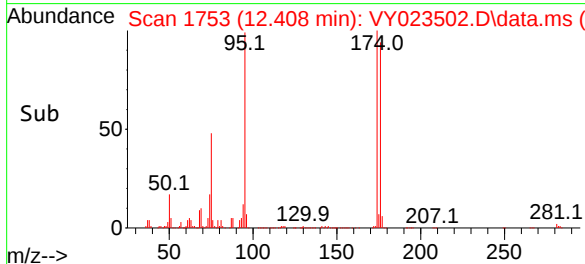
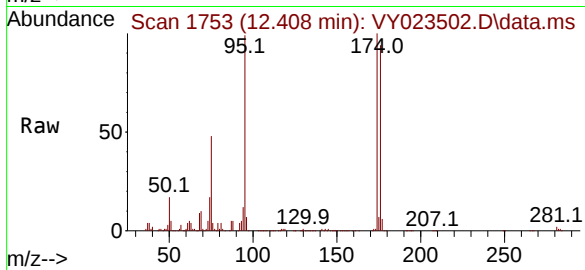




#62
4-Bromofluorobenzene
Concen: 40.190 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023502.D
Acq: 20 Oct 2025 12:31

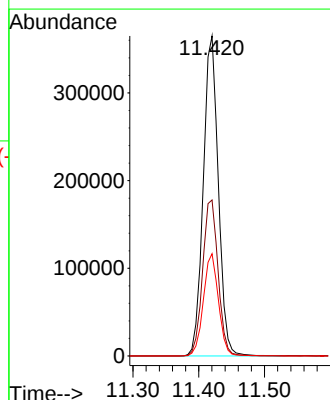
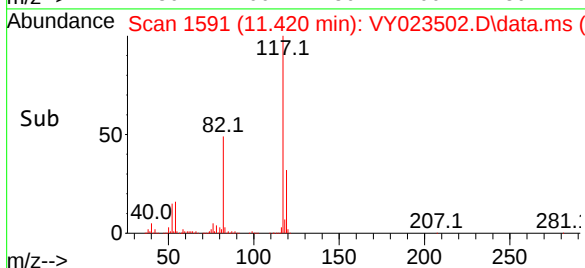
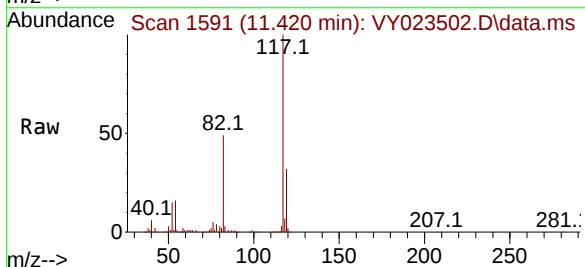
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

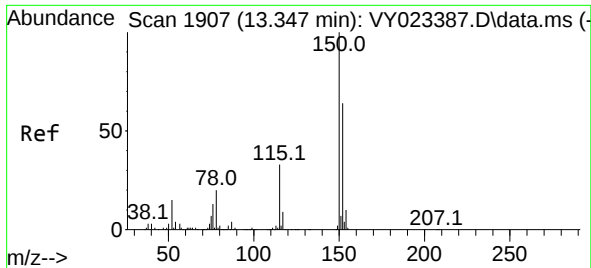
Tgt Ion: 95 Resp: 207406
Ion Ratio Lower Upper
95 100
174 99.1 0.0 192.8
176 94.3 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023502.D
Acq: 20 Oct 2025 12:31

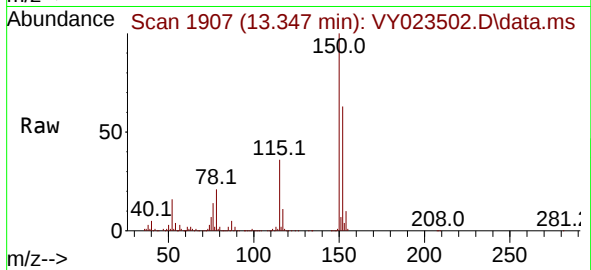
Tgt Ion: 117 Resp: 580900
Ion Ratio Lower Upper
117 100
82 48.7 41.0 61.4
119 32.0 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY023502.D
 Acq: 20 Oct 2025 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4-VOC



Tgt Ion:152 Resp: 224366
 Ion Ratio Lower Upper
 152 100
 115 54.5 27.1 81.2
 150 157.5 0.0 347.4

