

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061225\
 Data File : VY022678.D
 Acq On : 12 Jun 2025 16:55
 Operator : SY/MD
 Sample : Q2295-06
 Misc : 6.43g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP02-MH5-VOC

Quant Time: Jun 13 05:43:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	236331	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	433690	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	359868	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.340	152	135204	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	129727	49.079	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.160%
35) Dibromofluoromethane	7.628	113	130787	50.524	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.040%
50) Toluene-d8	10.103	98	534269	51.079	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.160%
62) 4-Bromofluorobenzene	12.402	95	134115	43.035	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.060%

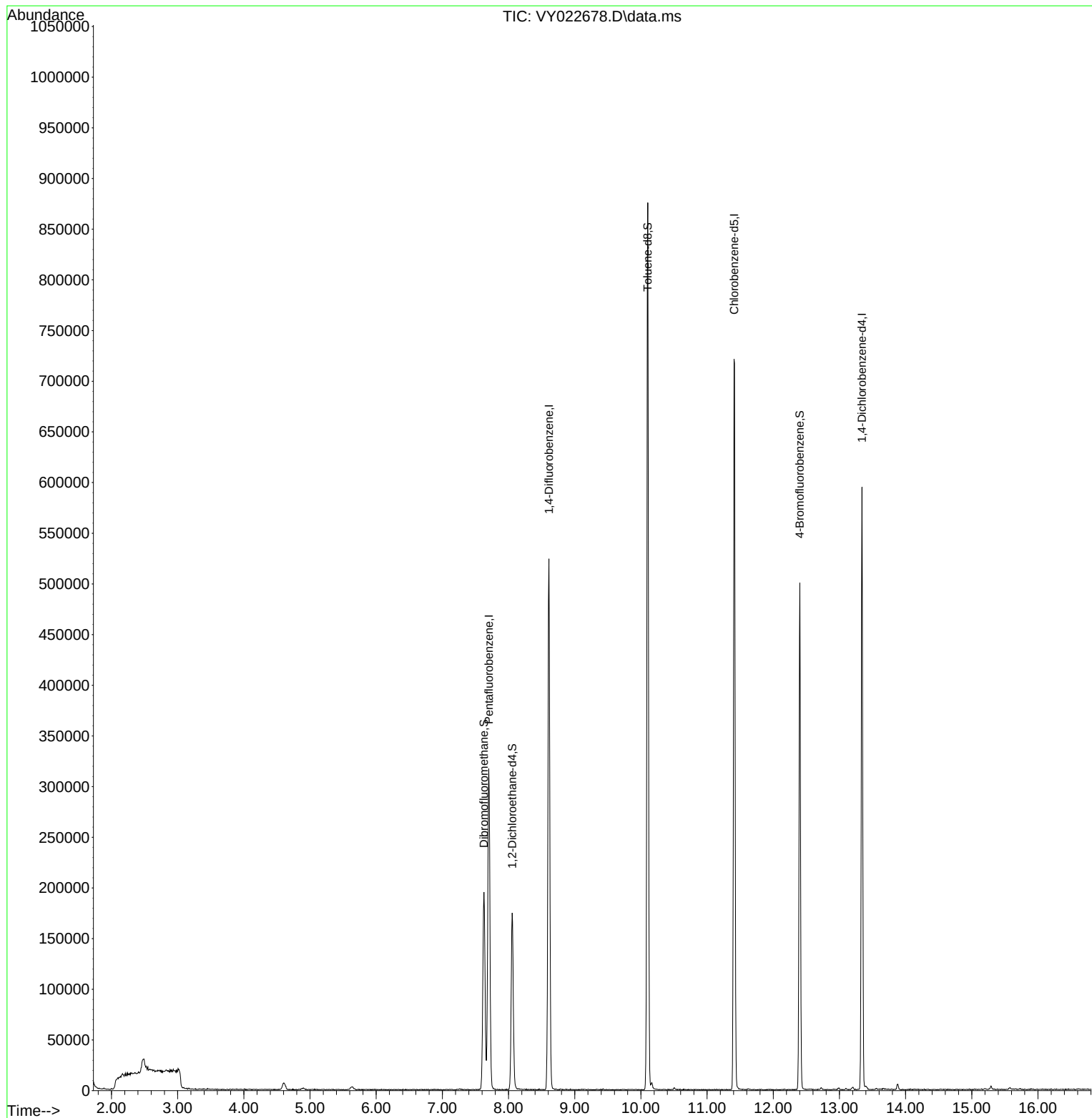
Target Compounds	Qvalue

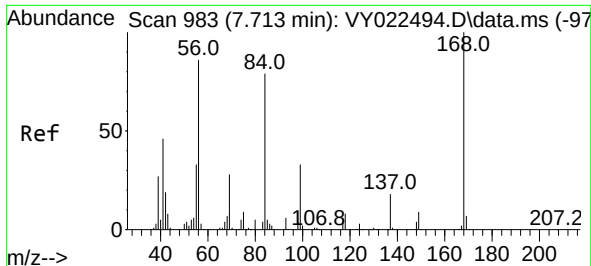
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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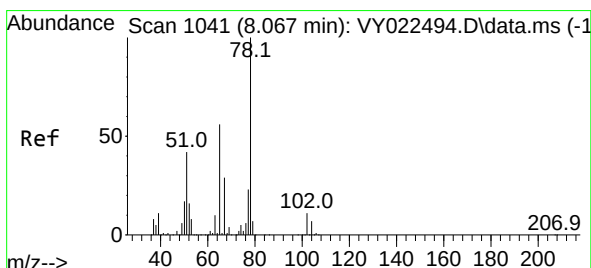
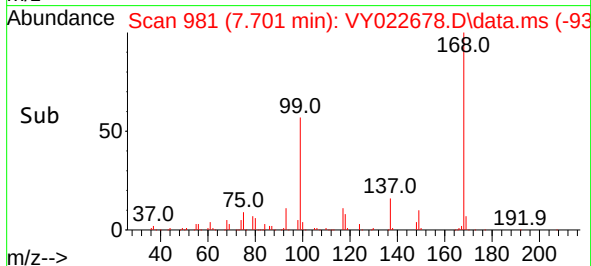
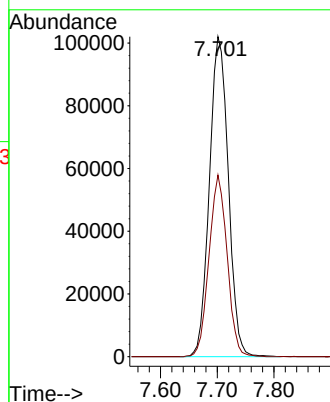
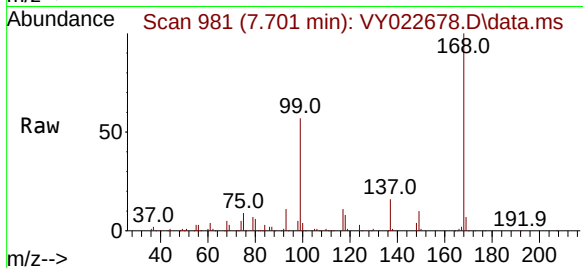




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022678.D
Acq: 12 Jun 2025 16:55

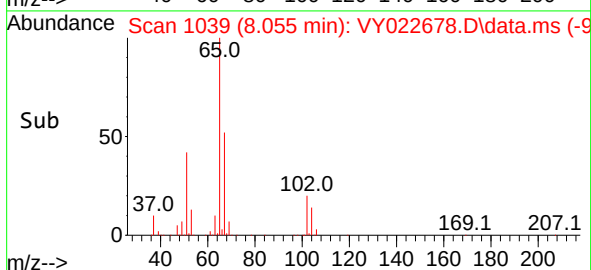
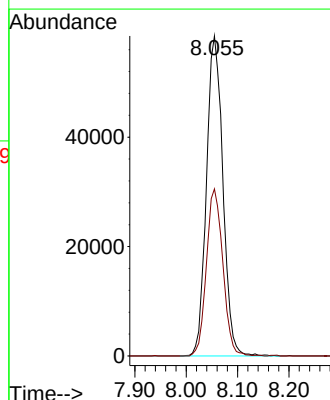
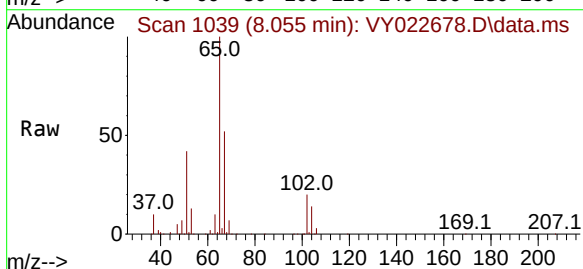
Instrument :
MSVOA_Y
ClientSampleId :
TP02-MH5-VOC

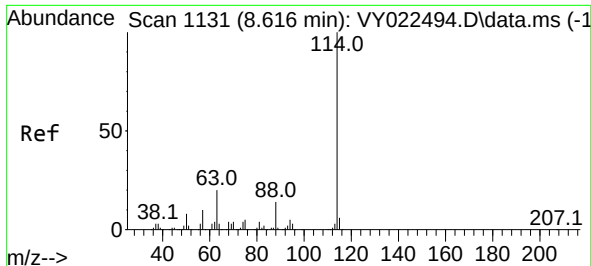
Tgt Ion:168 Resp: 236331
Ion Ratio Lower Upper
168 100
99 56.8 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 49.079 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022678.D
Acq: 12 Jun 2025 16:55

Tgt Ion: 65 Resp: 129727
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.4

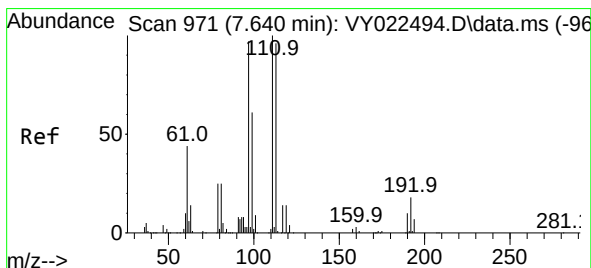
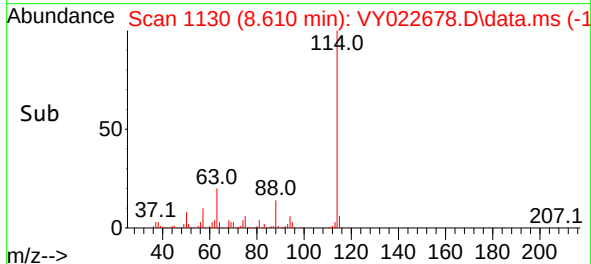
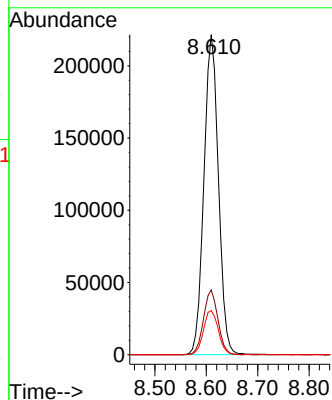
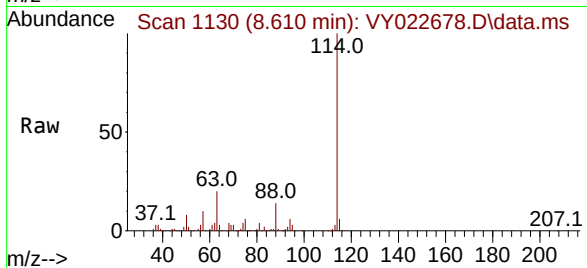




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022678.D
Acq: 12 Jun 2025 16:55

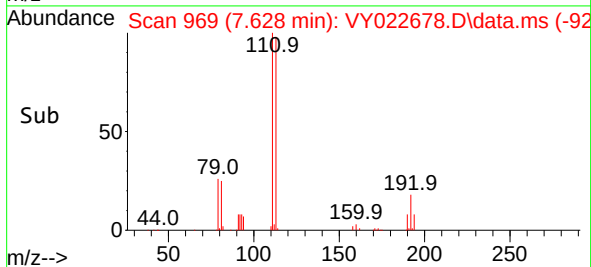
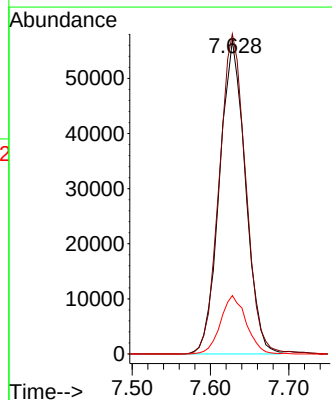
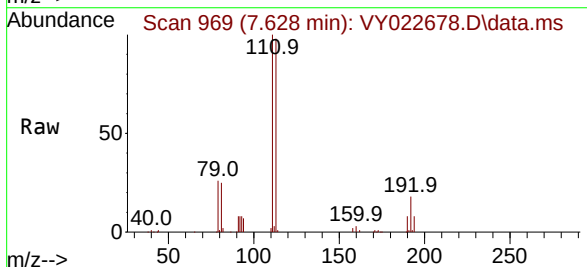
Instrument :
MSVOA_Y
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TP02-MH5-VOC

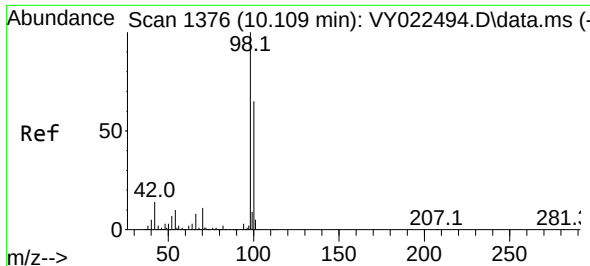
Tgt Ion:114 Resp: 433690
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 13.8 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.524 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022678.D
Acq: 12 Jun 2025 16:55

Tgt Ion:113 Resp: 130787
Ion Ratio Lower Upper
113 100
111 104.1 81.1 121.7
192 18.5 14.2 21.2

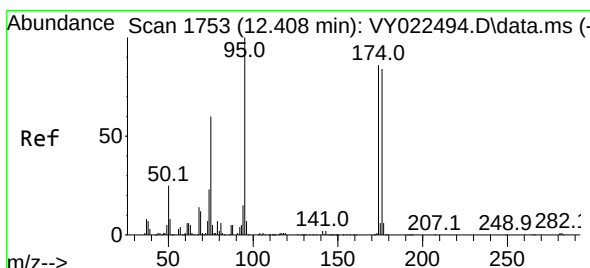
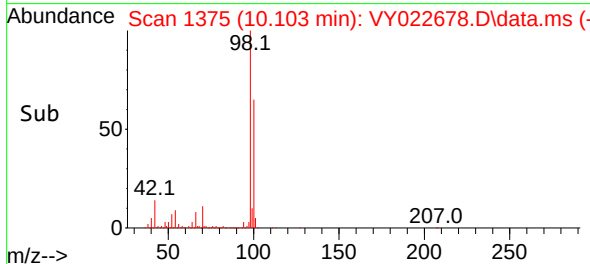
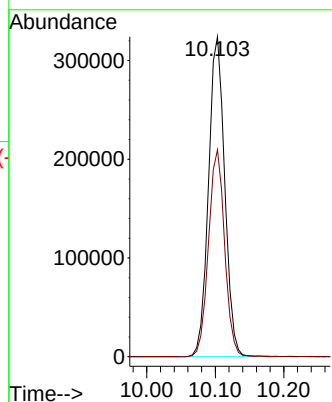
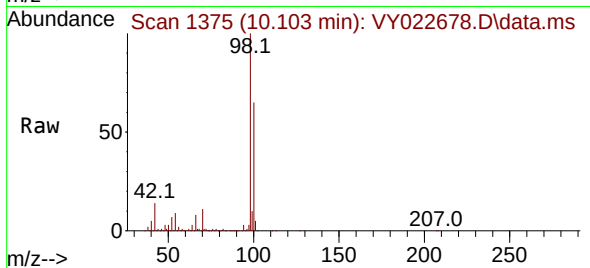




#50
Toluene-d8
Concen: 51.079 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022678.D
Acq: 12 Jun 2025 16:55

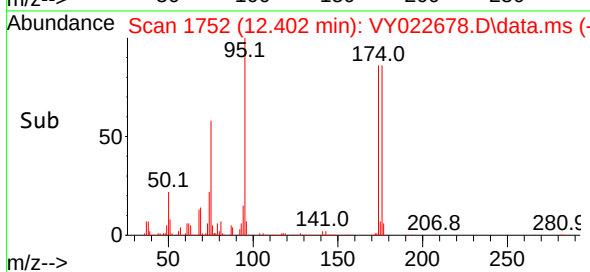
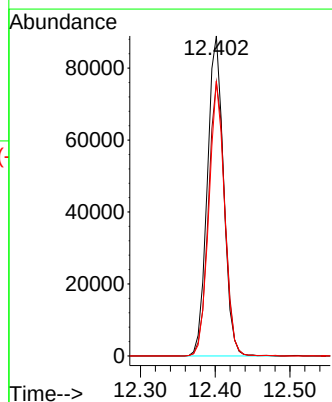
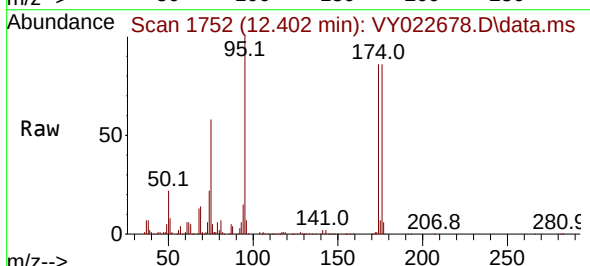
Instrument :
MSVOA_Y
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TP02-MH5-VOC

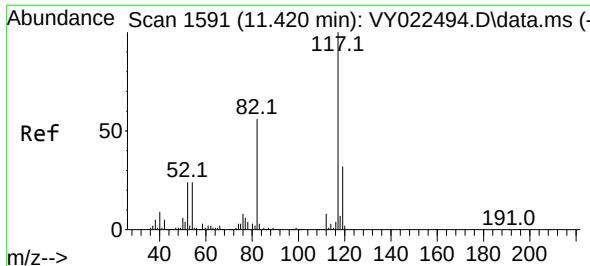
Tgt Ion: 98 Resp: 534269
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 43.035 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022678.D
Acq: 12 Jun 2025 16:55

Tgt Ion: 95 Resp: 134115
Ion Ratio Lower Upper
95 100
174 86.5 0.0 170.0
176 82.9 0.0 166.2

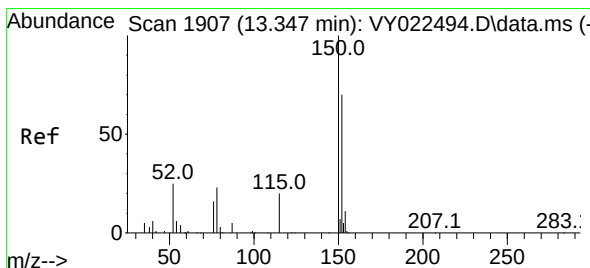
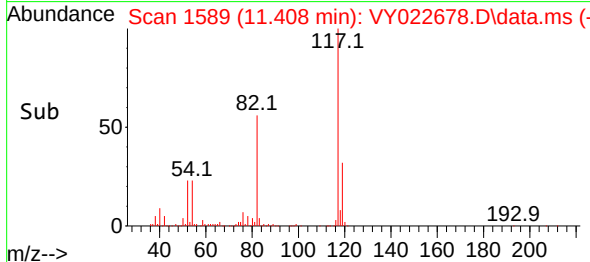
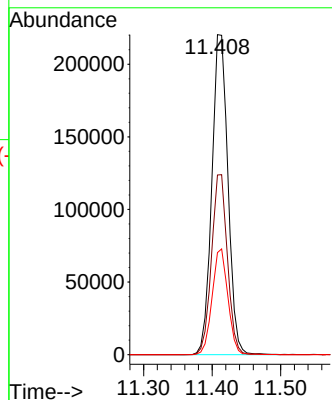
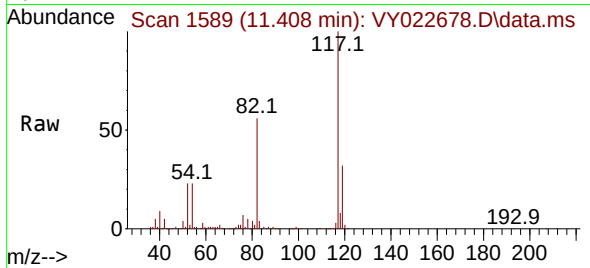




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 117
Delta R.T. -0.012 min
Lab File: VY022678.D
Acq: 12 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
TP02-MH5-VOC

Tgt Ion:117 Resp: 359868
Ion Ratio Lower Upper
117 100
82 56.1 44.6 66.8
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022678.D
Acq: 12 Jun 2025 16:55

Tgt Ion:152 Resp: 135204
Ion Ratio Lower Upper
152 100
115 56.2 28.9 86.7
150 156.7 0.0 349.6

