

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023068.D
 Acq On : 13 Aug 2025 14:32
 Operator : SY/MD
 Sample : Q2827-03
 Misc : 5.58g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8-VOC

Quant Time: Aug 14 01:24:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

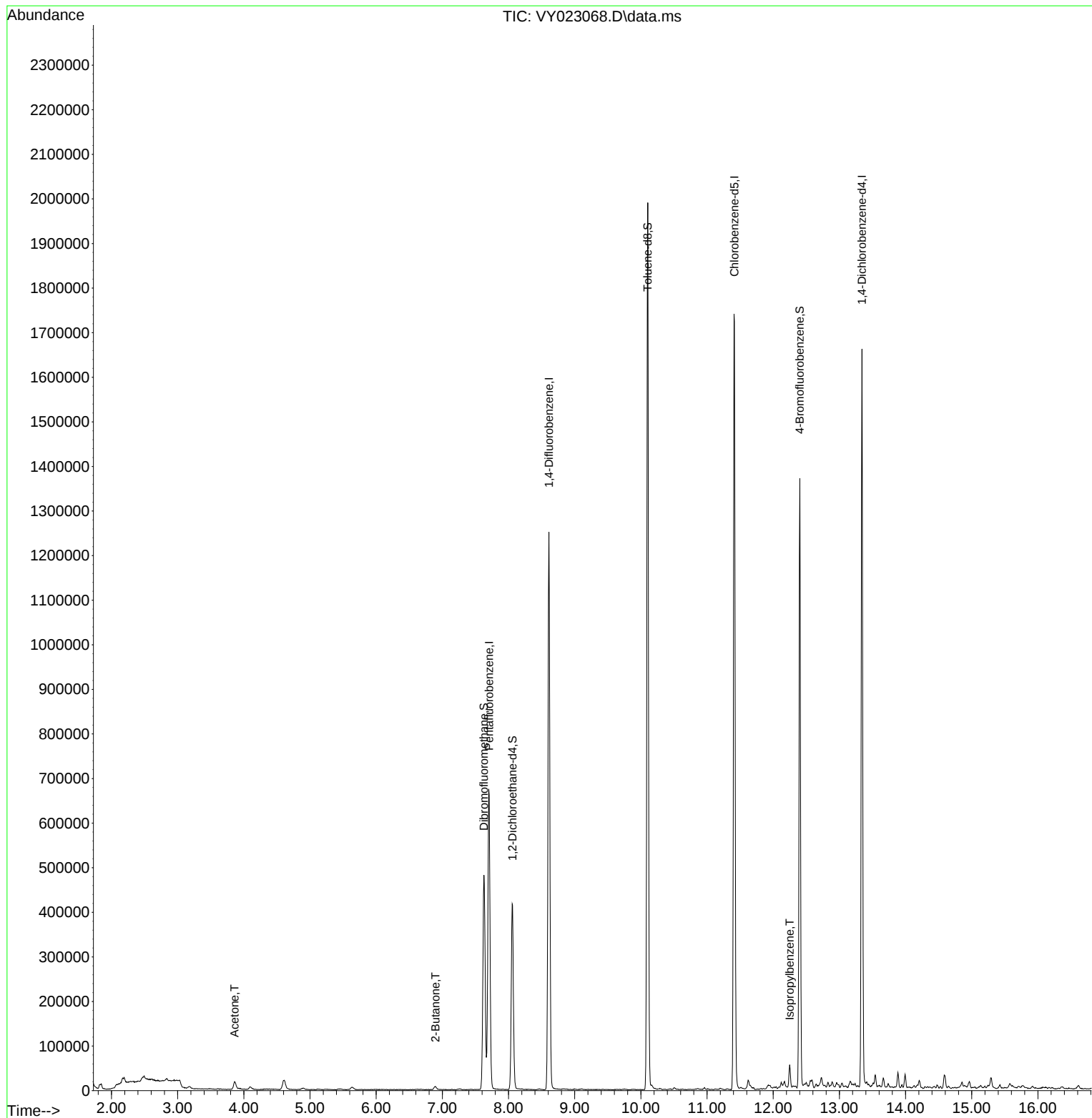
Internal Standards						
1) Pentafluorobenzene	7.707	168	523339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	1054306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	949918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	400001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	328205	65.802	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.600%	
35) Dibromofluoromethane	7.628	113	344848	54.663	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.320%	
50) Toluene-d8	10.103	98	1265900	51.365	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.720%	
62) 4-Bromofluorobenzene	12.402	95	396412	50.015	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.040%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	27923	25.841	ug/l	100
25) 2-Butanone	6.896	43	11274	7.671	ug/l	92
73) Isopropylbenzene	12.249	105	29846	1.057	ug/l	98

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

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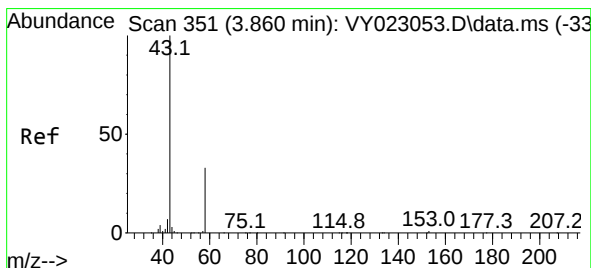
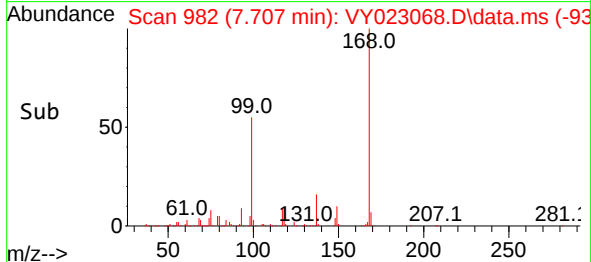
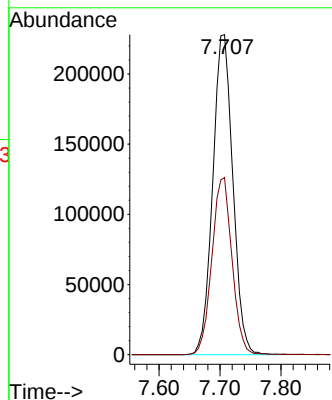
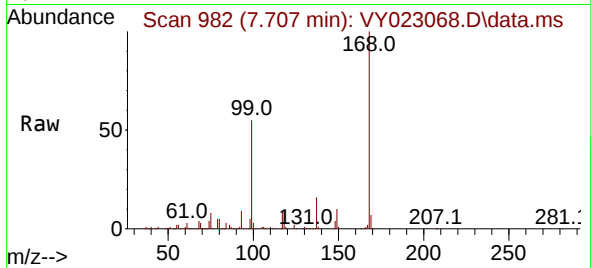




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

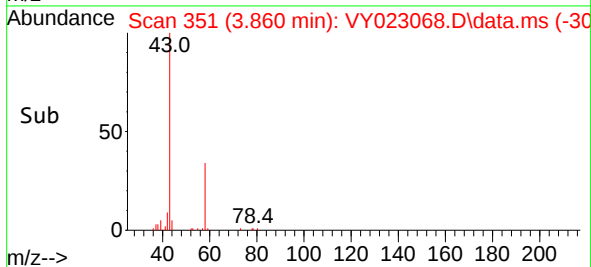
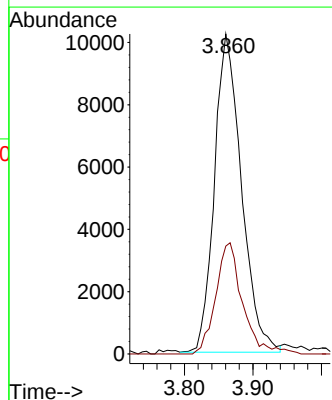
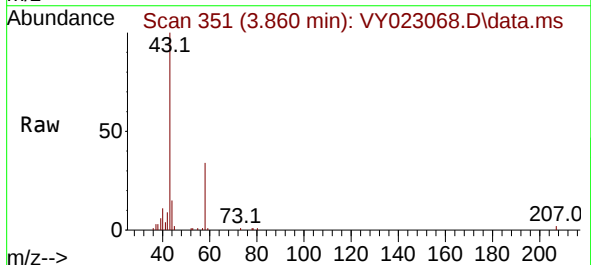
Instrument :
MSVOA_Y
ClientSampleId :
TP-8-VOC

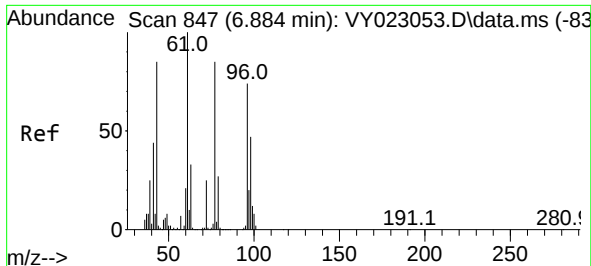
Tgt Ion:168 Resp: 523339
Ion Ratio Lower Upper
168 100
99 55.3 42.8 64.2



#16
Acetone
Concen: 25.841 ug/l
RT: 3.860 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 43 Resp: 27923
Ion Ratio Lower Upper
43 100
58 33.9 27.1 40.7

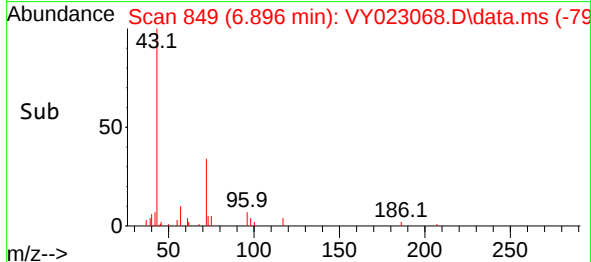
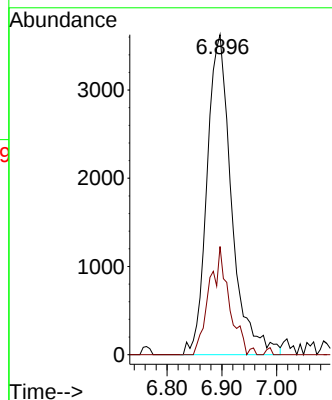
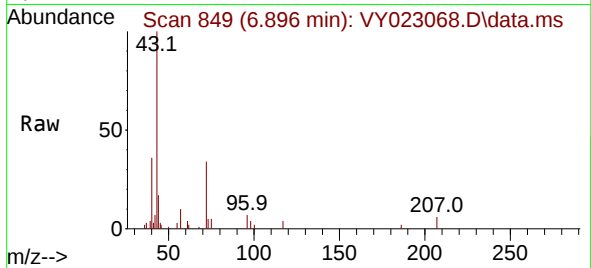




#25
2-Butanone
Concen: 7.671 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

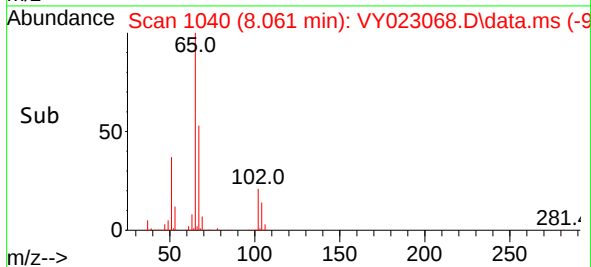
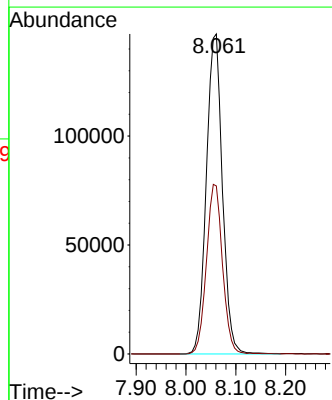
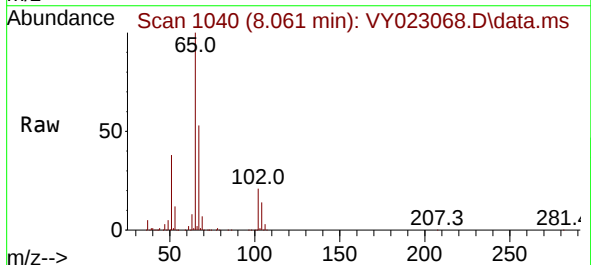
Instrument :
MSVOA_Y
ClientSampleId :
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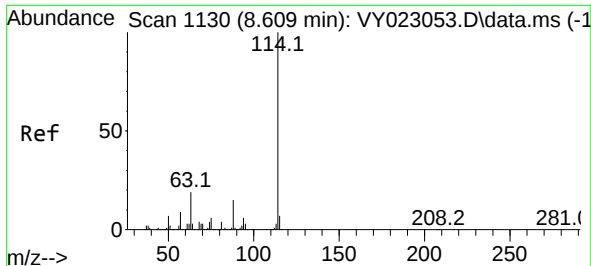
Tgt Ion: 43 Resp: 11274
Ion Ratio Lower Upper
43 100
72 33.8 23.5 35.3



#33
1,2-Dichloroethane-d4
Concen: 65.802 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 65 Resp: 328205
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.8

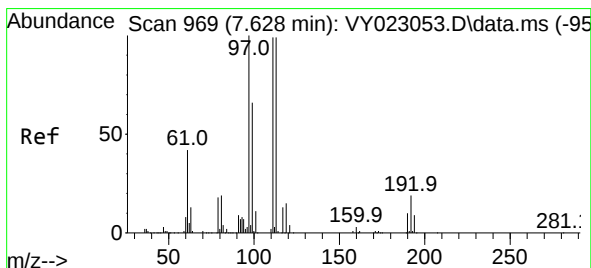
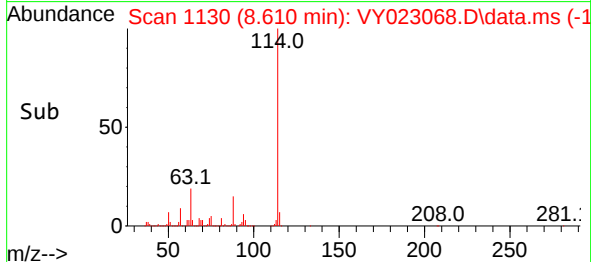
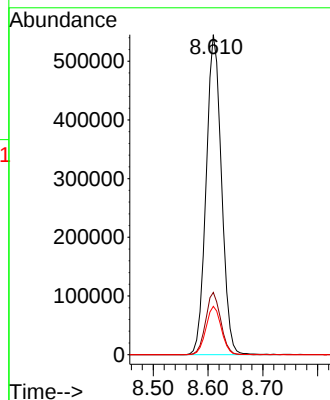
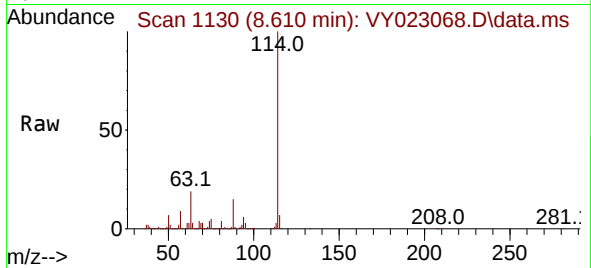




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

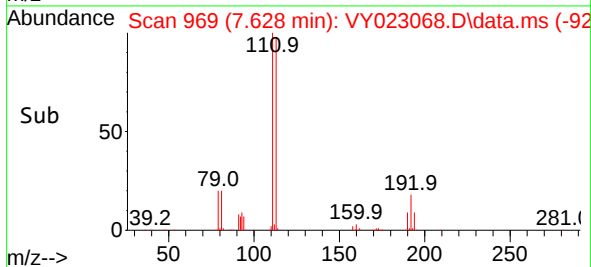
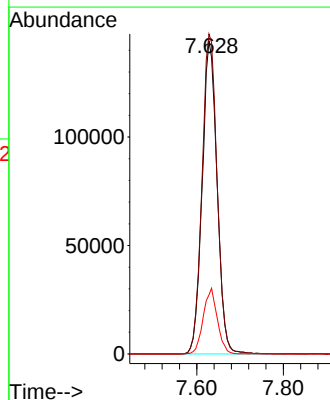
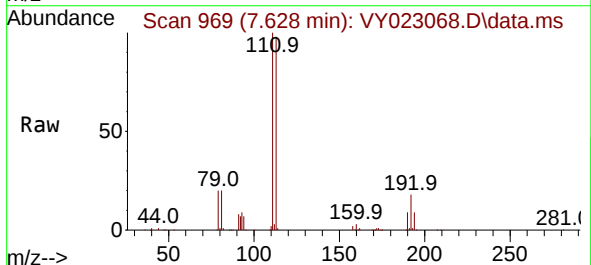
Instrument :
MSVOA_Y
ClientSampleId :
TP-8-VOC

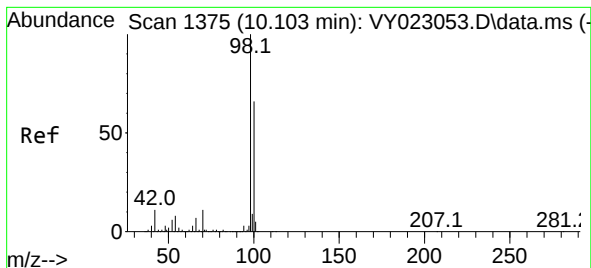
Tgt Ion:114 Resp: 1054306
Ion Ratio Lower Upper
114 100
63 19.4 0.0 38.4
88 15.1 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.663 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

Tgt Ion:113 Resp: 344848
Ion Ratio Lower Upper
113 100
111 103.5 81.1 121.7
192 19.8 16.2 24.4

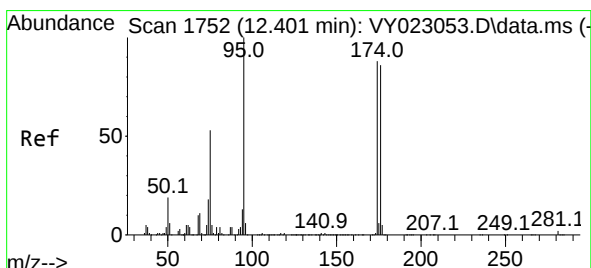
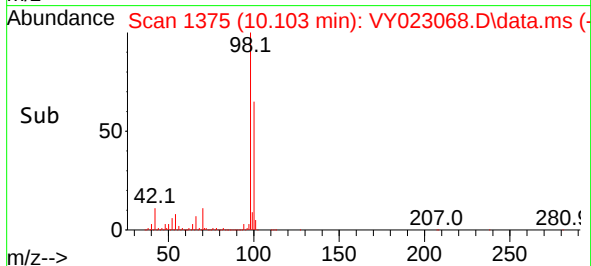
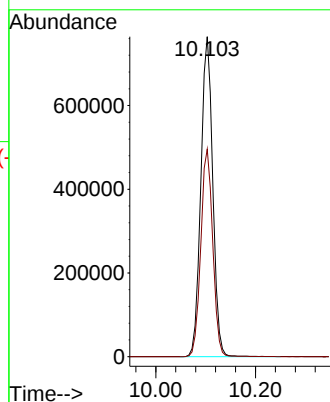
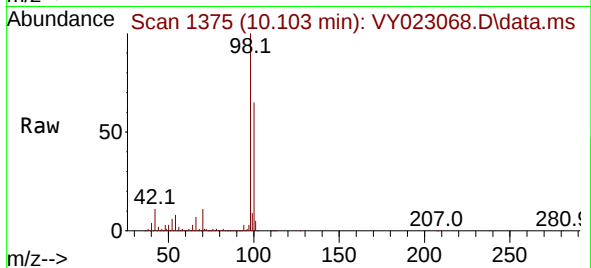




#50
Toluene-d8
Concen: 51.365 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

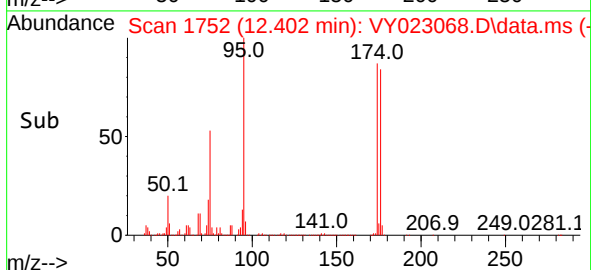
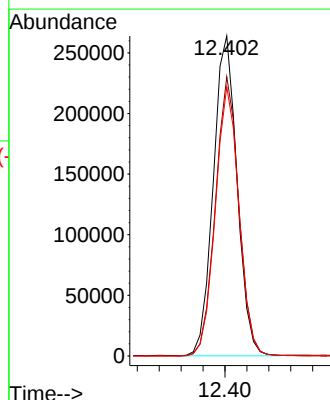
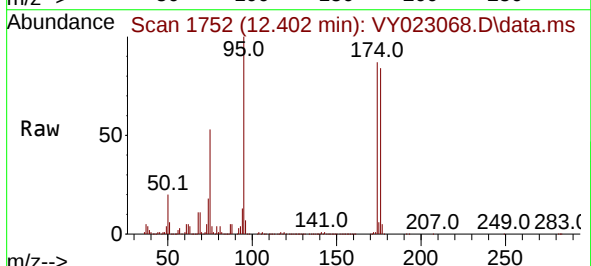
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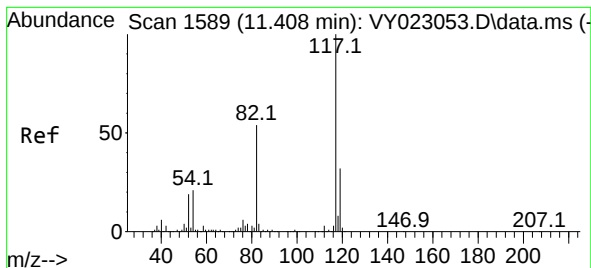
Tgt Ion: 98 Resp: 1265900
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 50.015 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

Tgt Ion: 95 Resp: 396412
Ion Ratio Lower Upper
95 100
174 86.5 0.0 171.6
176 83.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023068.D

Acq: 13 Aug 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-8-VOC

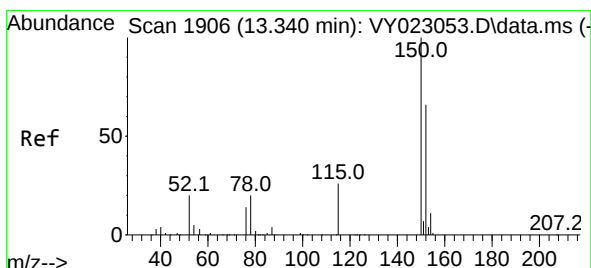
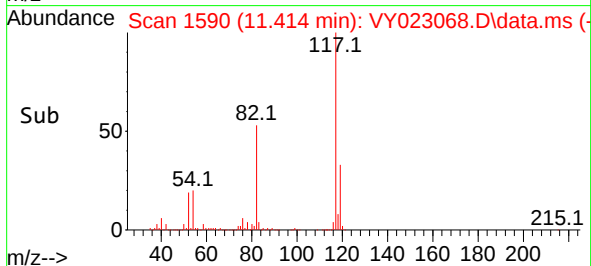
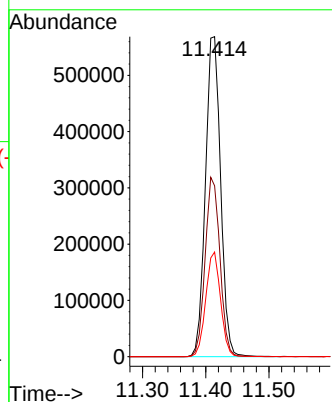
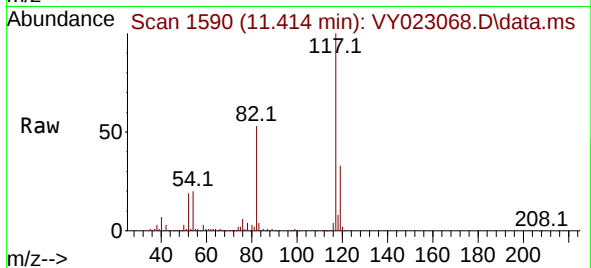
Tgt Ion:117 Resp: 949918

Ion Ratio Lower Upper

117 100

82 53.4 43.4 65.0

119 32.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023068.D

Acq: 13 Aug 2025 14:32

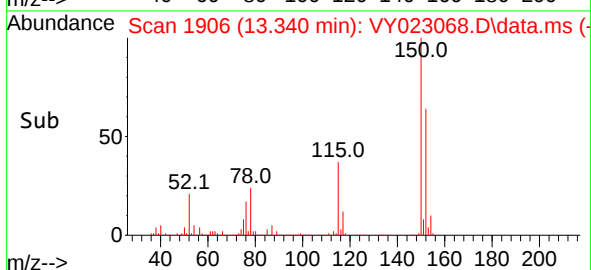
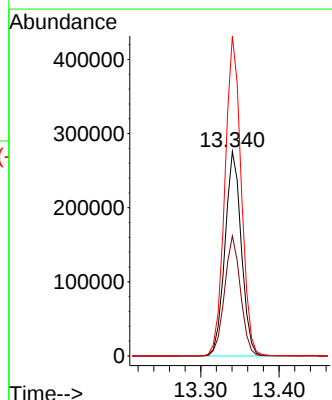
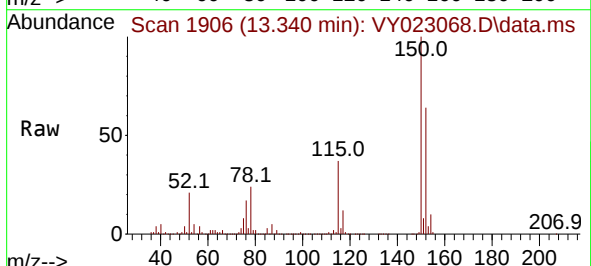
Tgt Ion:152 Resp: 400001

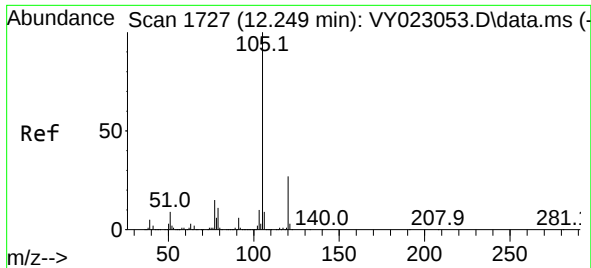
Ion Ratio Lower Upper

152 100

115 57.6 28.2 84.6

150 156.4 0.0 348.0





#73
Isopropylbenzene
Concen: 1.057 ug/l
RT: 12.249 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023068.D
Acq: 13 Aug 2025 14:32

Instrument :
MSVOA_Y
ClientSampleId :
TP-8-VOC

Tgt Ion:105 Resp: 29846
Ion Ratio Lower Upper
105 100
120 28.0 13.4 40.2

