

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041125\
 Data File : VY021860.D
 Acq On : 11 Apr 2025 15:31
 Operator : SY/MD
 Sample : Q1779-07
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-23-VOC

Quant Time: Apr 12 02:50:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

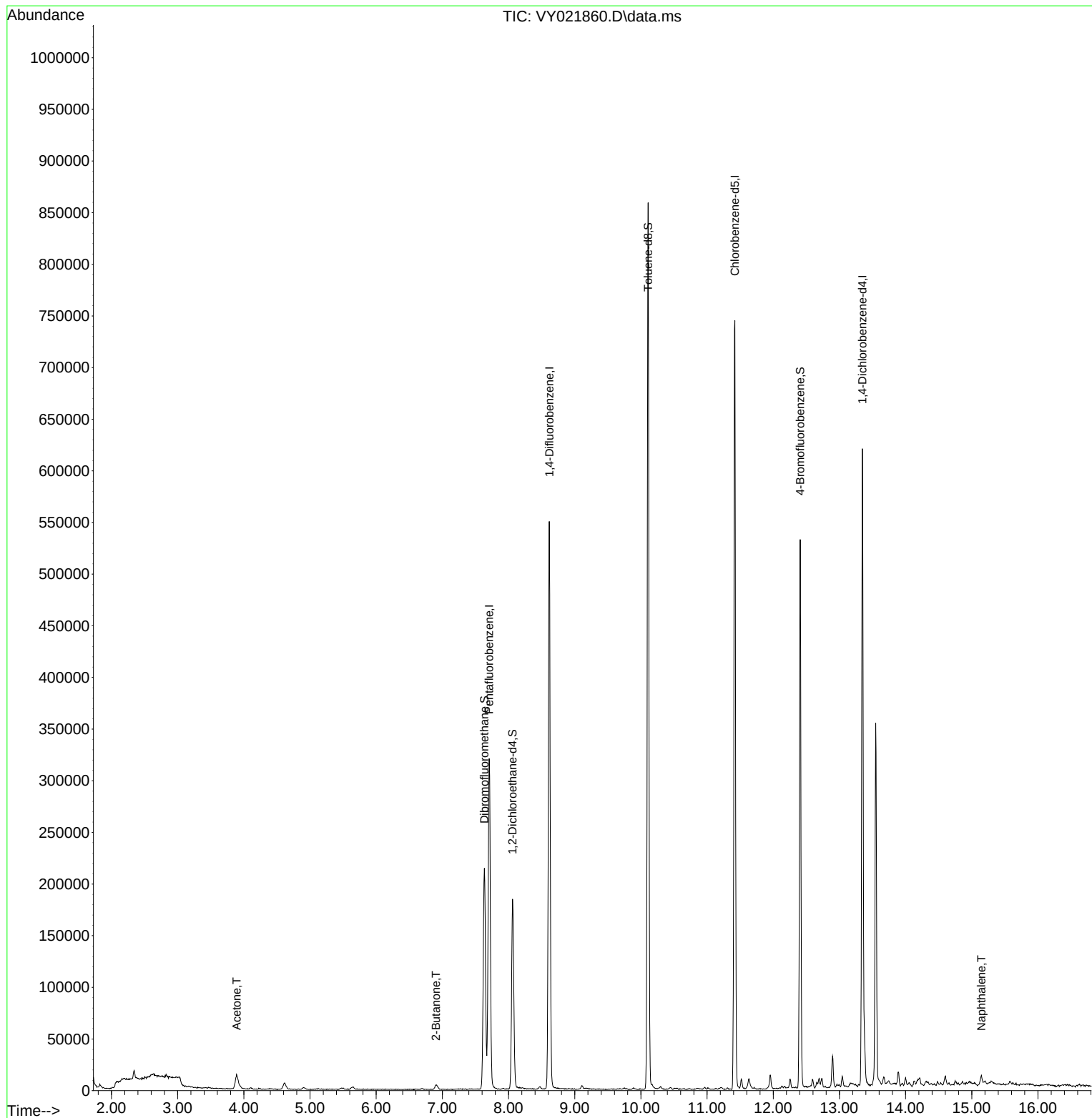
Internal Standards						
1) Pentafluorobenzene	7.707	168	238080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	446079	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	387867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	148913	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	143777	55.738	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	111.480%	
35) Dibromofluoromethane	7.634	113	151014	52.188	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	104.380%	
50) Toluene-d8	10.109	98	535962	48.687	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	97.380%	
62) 4-Bromofluorobenzene	12.408	95	153381	41.192	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	82.380%	
Target Compounds						
						Qvalue
16) Acetone	3.891	43	28915	54.771	ug/l	97
25) 2-Butanone	6.902	43	8073	10.706	ug/l #	85
95) Naphthalene	15.145	128	6354	1.552	ug/l	97

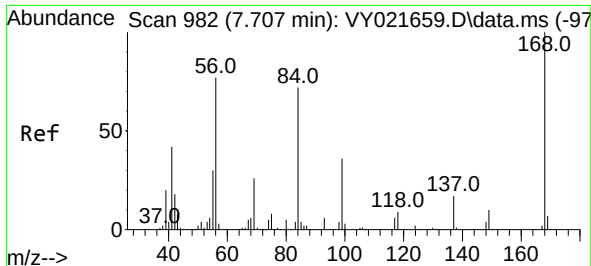
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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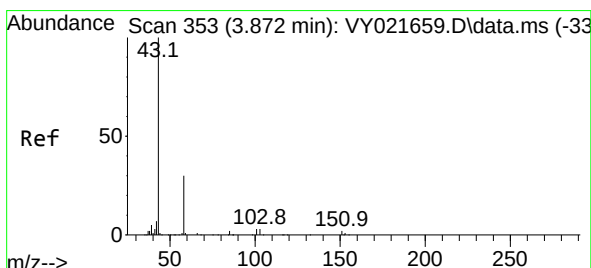
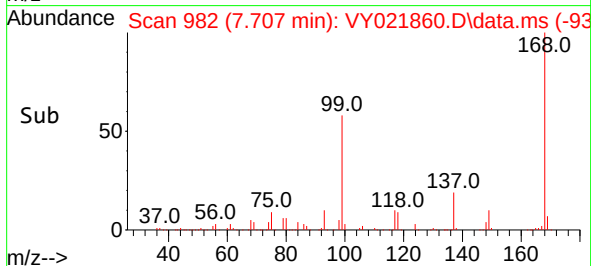
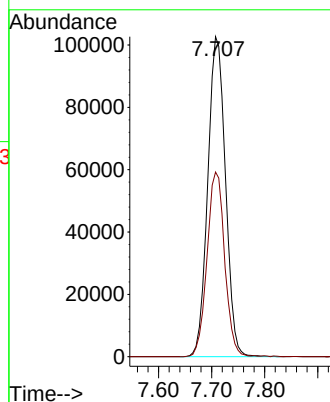
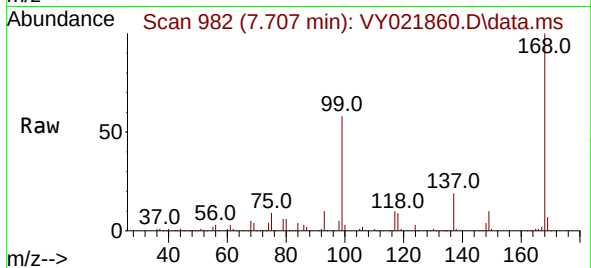




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021860.D
Acq: 11 Apr 2025 15:31

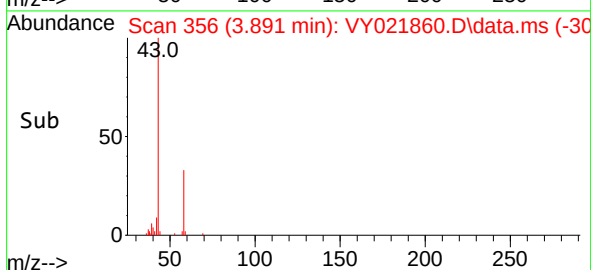
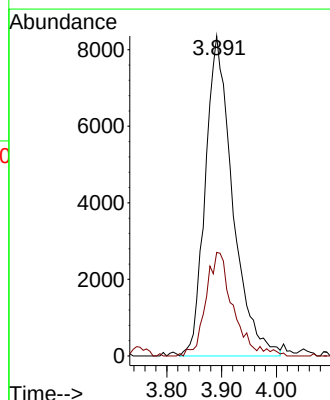
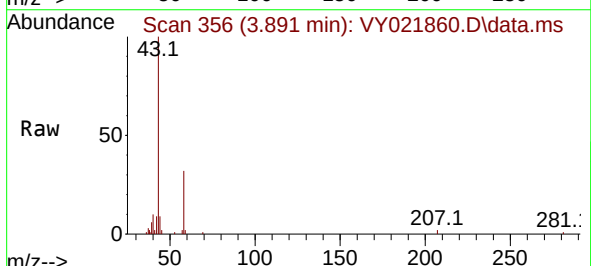
Instrument :
MSVOA_Y
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TP-23-VOC

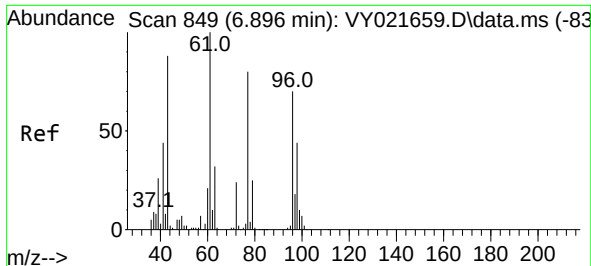
Tgt Ion:168 Resp: 238080
Ion Ratio Lower Upper
168 100
99 57.7 46.7 70.1



#16
Acetone
Concen: 54.771 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.018 min
Lab File: VY021860.D
Acq: 11 Apr 2025 15:31

Tgt Ion: 43 Resp: 28915
Ion Ratio Lower Upper
43 100
58 31.7 24.2 36.4

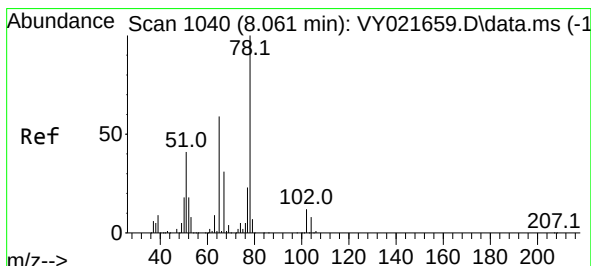
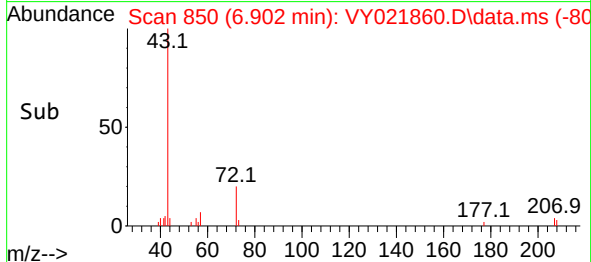
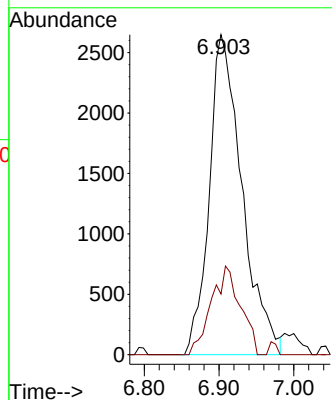
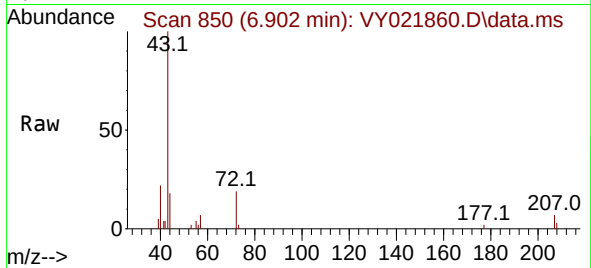




#25
2-Butanone
Concen: 10.706 ug/l
RT: 6.902 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021860.D
Acq: 11 Apr 2025 15:31

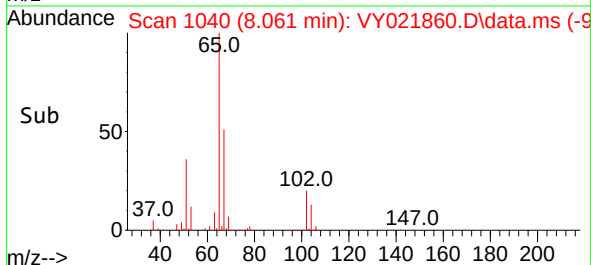
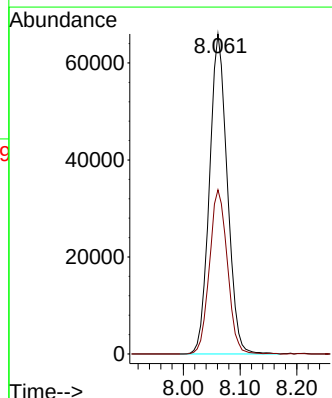
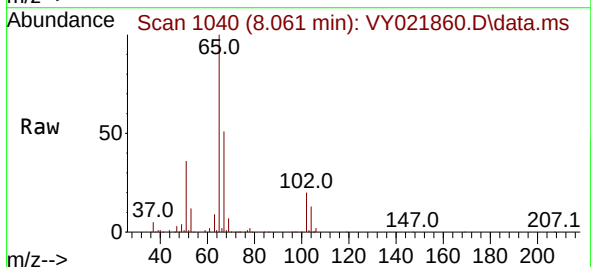
Instrument :
MSVOA_Y
ClientSampleId :
TP-23-VOC

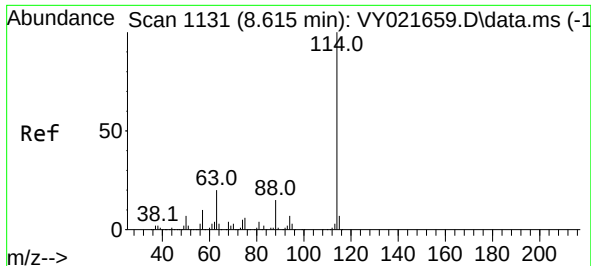
Tgt Ion: 43 Resp: 8073
Ion Ratio Lower Upper
43 100
72 19.0 21.4 32.2#



#33
1,2-Dichloroethane-d4
Concen: 55.738 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021860.D
Acq: 11 Apr 2025 15:31

Tgt Ion: 65 Resp: 143777
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.6

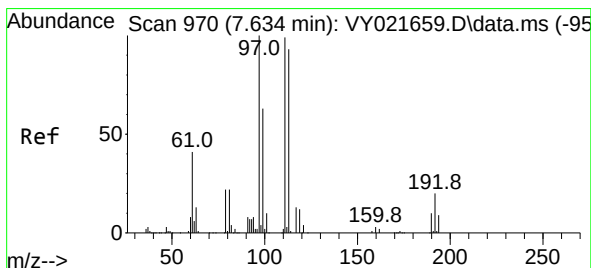
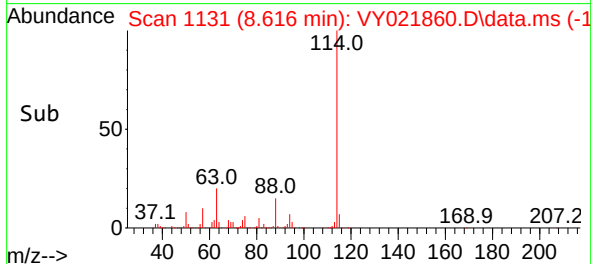
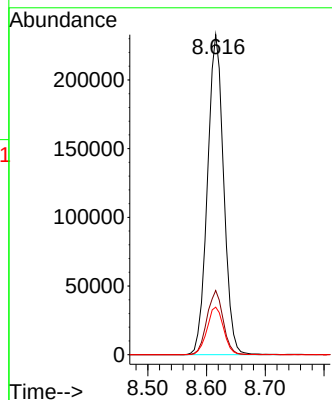
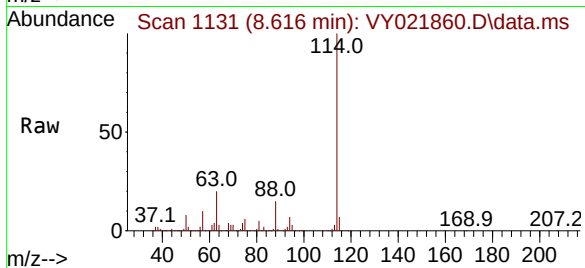




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021860.D
Acq: 11 Apr 2025 15:31

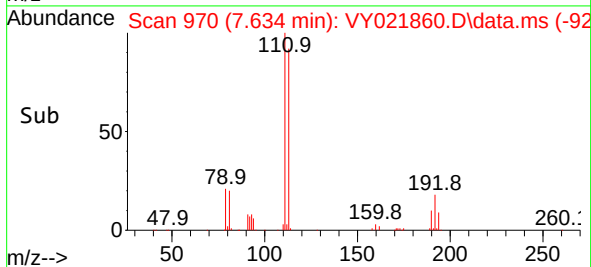
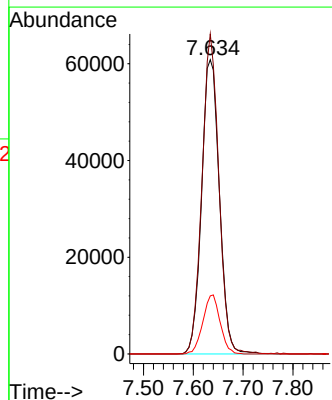
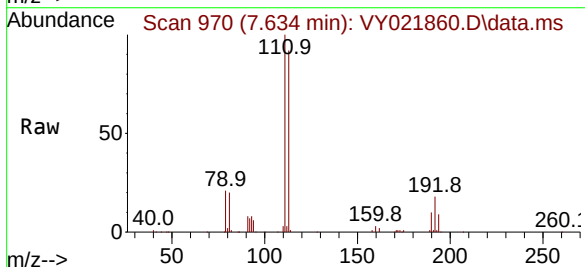
Instrument :
MSVOA_Y
ClientSampleId :
TP-23-VOC

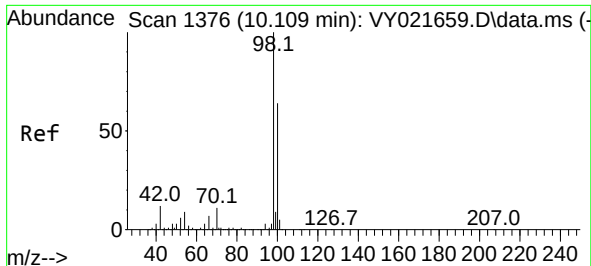
Tgt Ion:114 Resp: 446079
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.2
88 14.9 0.0 29.8



#35
Dibromofluoromethane
Concen: 52.188 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021860.D
Acq: 11 Apr 2025 15:31

Tgt Ion:113 Resp: 151014
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 19.4 16.2 24.4

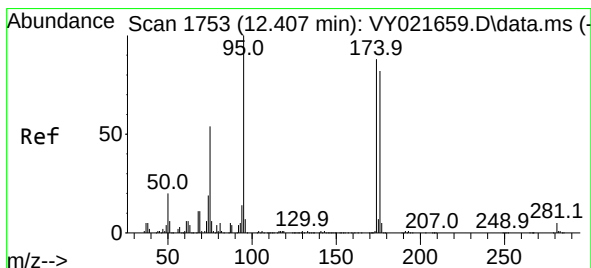
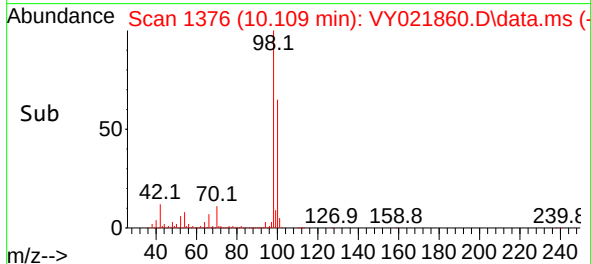
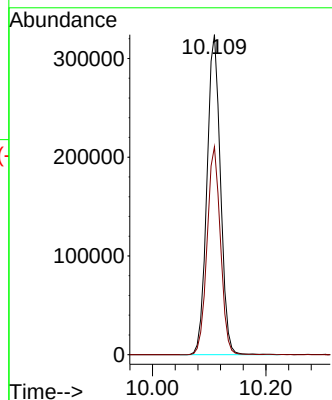
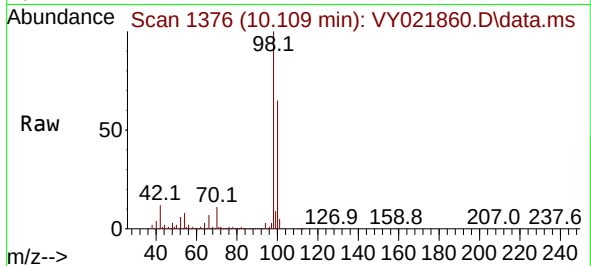




#50
Toluene-d8
Concen: 48.687 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021860.D
Acq: 11 Apr 2025 15:31

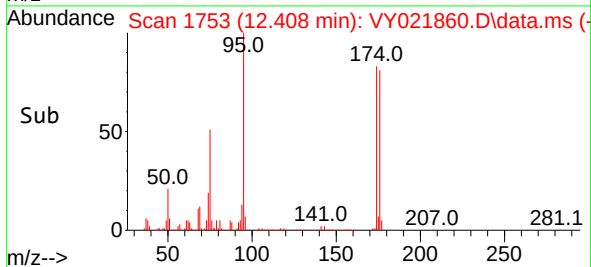
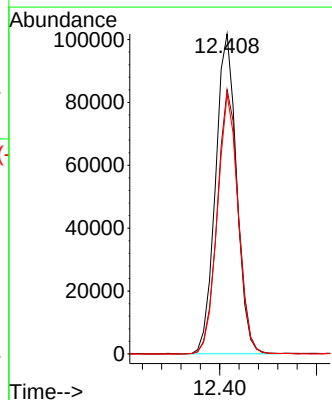
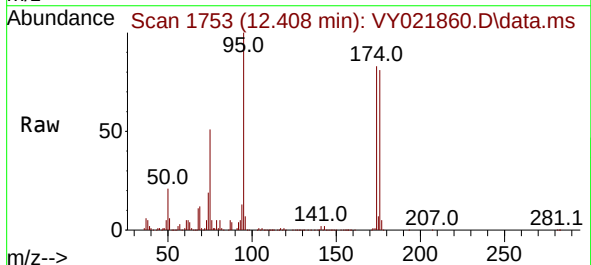
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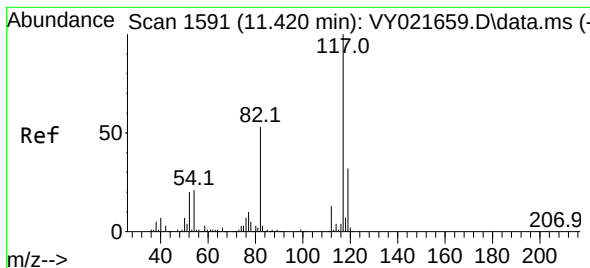
Tgt Ion: 98 Resp: 535962
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 41.192 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021860.D
Acq: 11 Apr 2025 15:31

Tgt Ion: 95 Resp: 153381
Ion Ratio Lower Upper
95 100
174 83.2 0.0 170.8
176 80.2 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021860.D

Acq: 11 Apr 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

TP-23-VOC

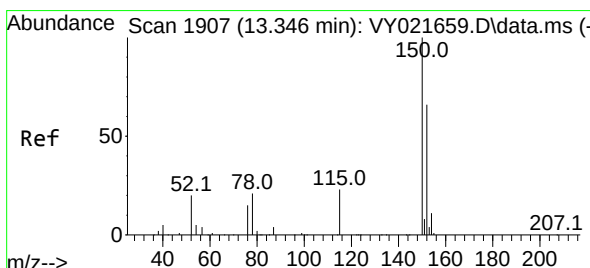
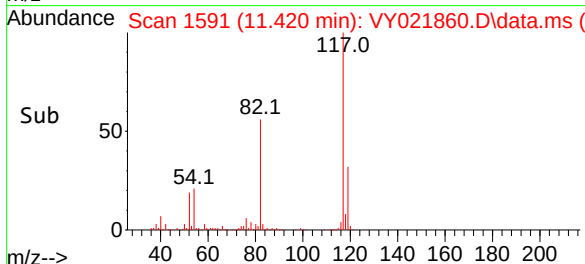
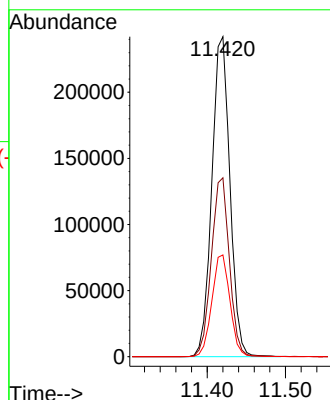
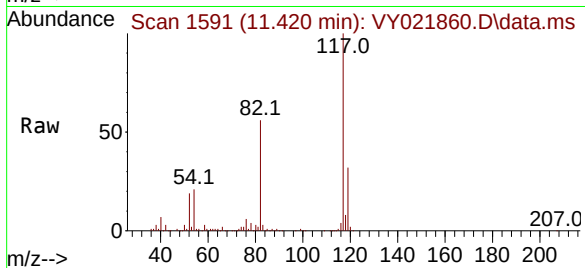
Tgt Ion:117 Resp: 387867

Ion Ratio Lower Upper

117 100

82 55.9 42.8 64.2

119 31.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021860.D

Acq: 11 Apr 2025 15:31

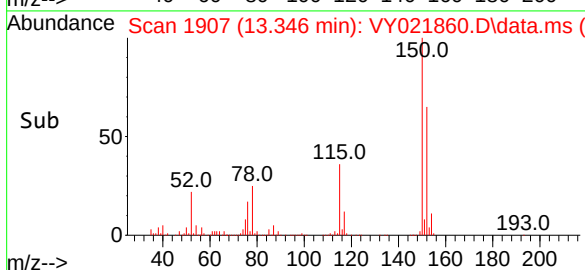
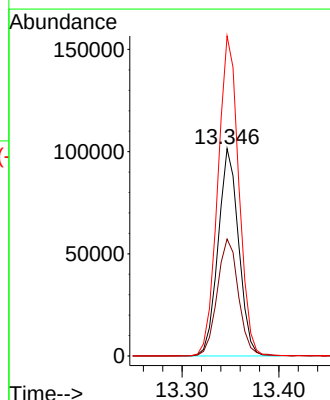
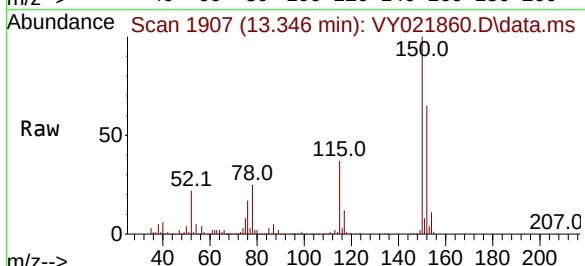
Tgt Ion:152 Resp: 148913

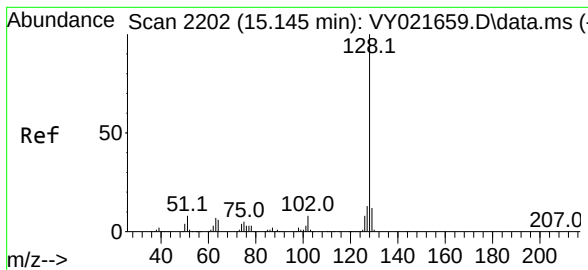
Ion Ratio Lower Upper

152 100

115 58.8 28.8 86.5

150 158.0 0.0 348.4





#95
 Naphthalene
 Concen: 1.552 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY021860.D
 Acq: 11 Apr 2025 15:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-23-VOC

Tgt Ion:	128	Resp:	6354
Ion Ratio	Lower	Upper	
128	100		
127	15.8	10.8	16.2
129	11.0	8.8	13.2

