

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011725\
 Data File : VY020849.D
 Acq On : 17 Jan 2025 12:49
 Operator : SY/MD
 Sample : Q1103-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-241-VOC

Quant Time: Jan 17 23:24:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

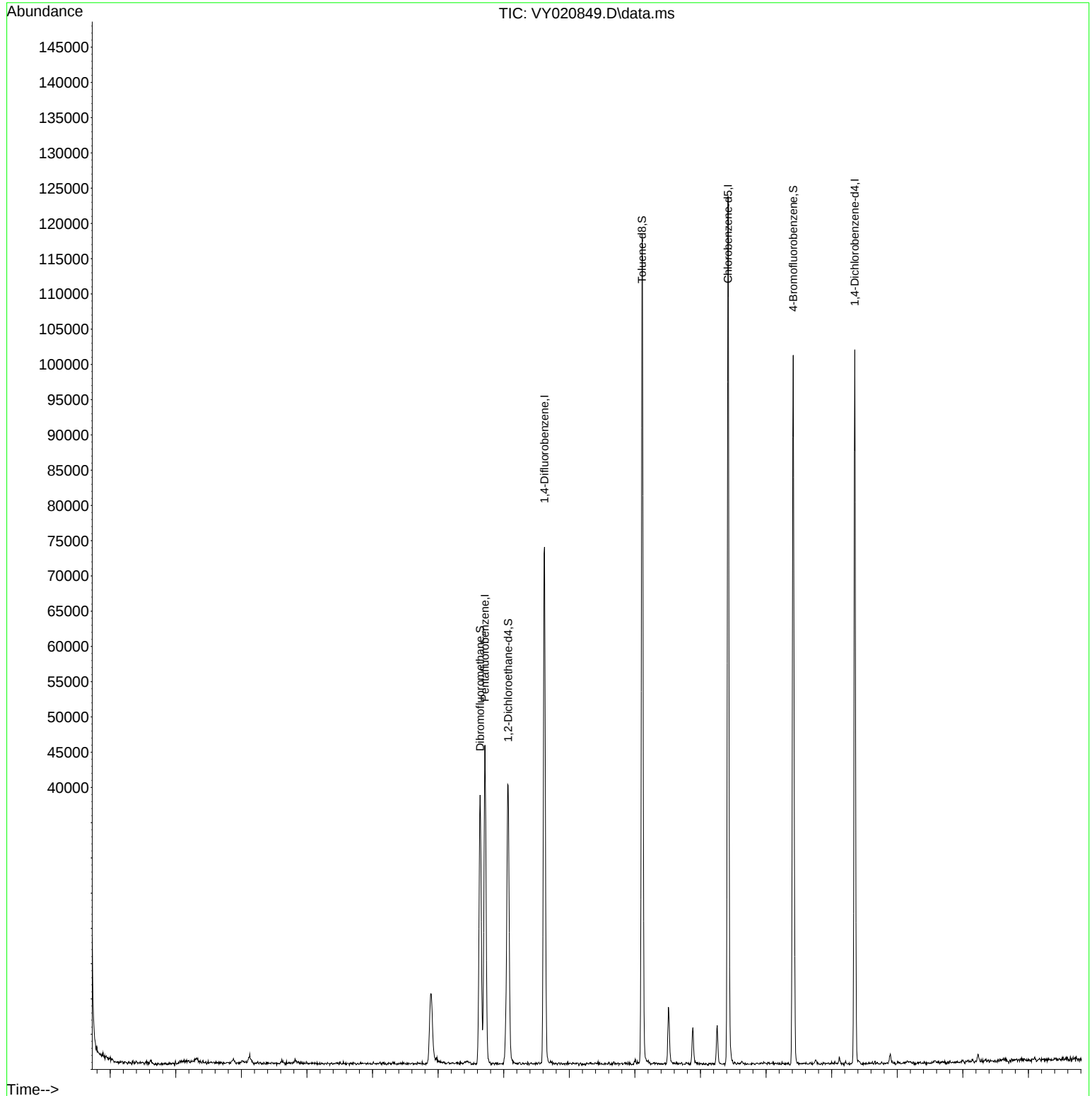
Internal Standards						
1) Pentafluorobenzene	7.713	168	36906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	68637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	68384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	26838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	30909	98.534	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	197.060%#
35) Dibromofluoromethane	7.640	113	27462	63.864	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	127.720%
50) Toluene-d8	10.109	98	81740	54.530	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.060%
62) 4-Bromofluorobenzene	12.414	95	28931	52.264	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	104.520%
Target Compounds						
16) Acetone	3.872	43	779	17.464	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	527	2.376	ug/l #	48

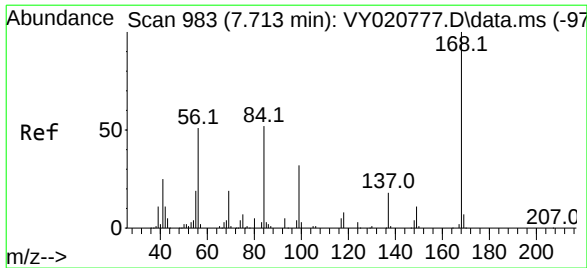
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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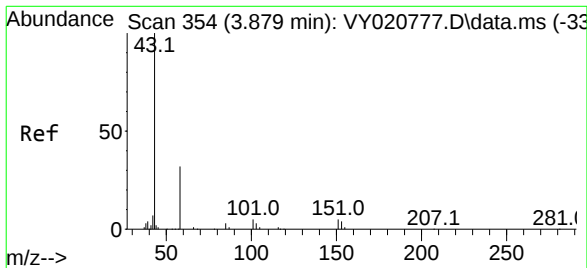
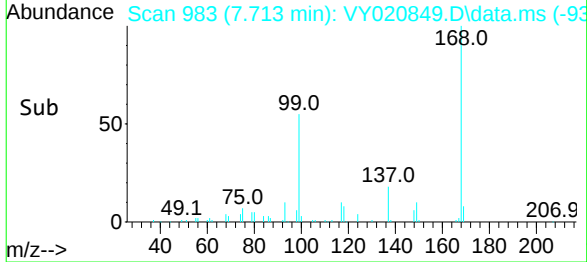
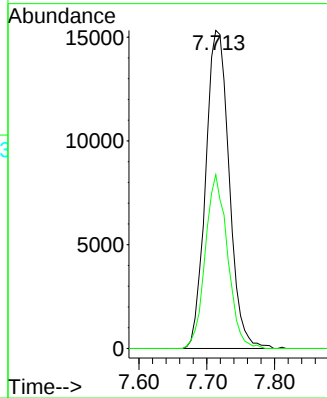
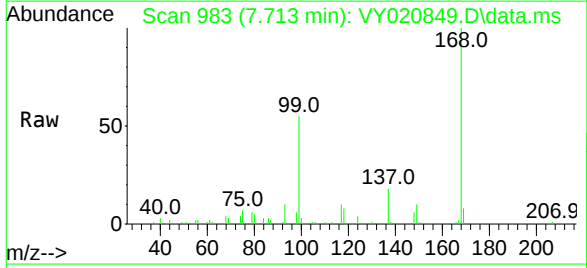




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020849.D
Acq: 17 Jan 2025 12:49

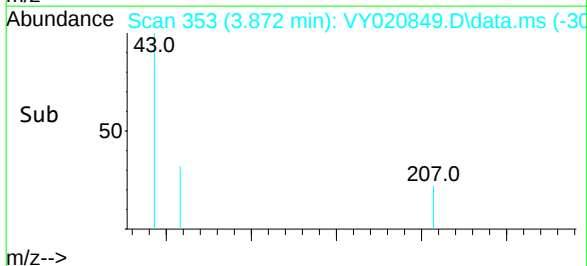
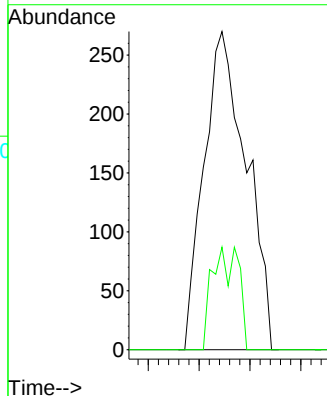
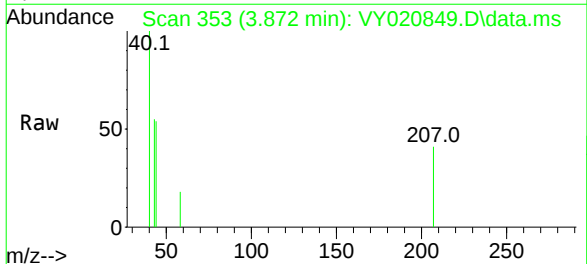
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-241-VOC

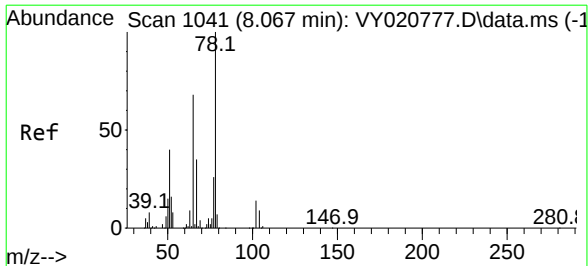
Tgt Ion:168 Resp: 36906
Ion Ratio Lower Upper
168 100
99 54.6 44.3 66.5



#16
Acetone
Concen: 17.464 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY020849.D
Acq: 17 Jan 2025 12:49

Tgt Ion: 43 Resp: 779
Ion Ratio Lower Upper
43 100
58 32.2 26.7 40.1

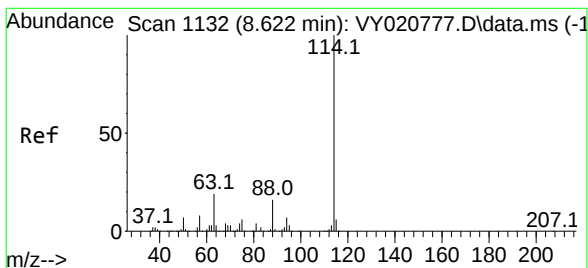
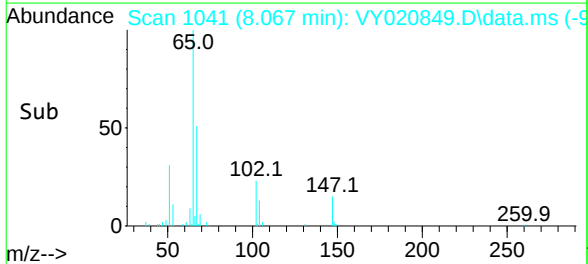
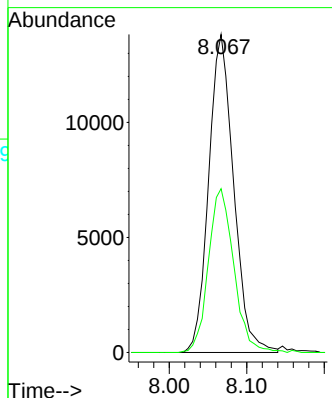
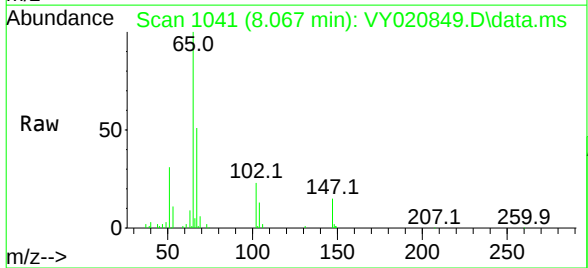




#33
1,2-Dichloroethane-d4
Concen: 98.534 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY020849.D
Acq: 17 Jan 2025 12:49

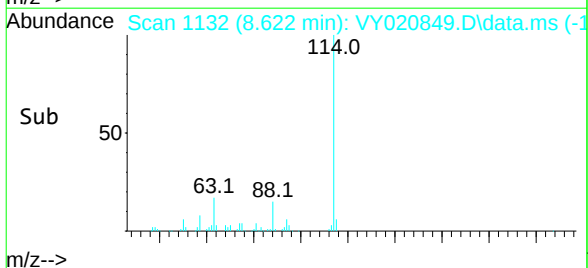
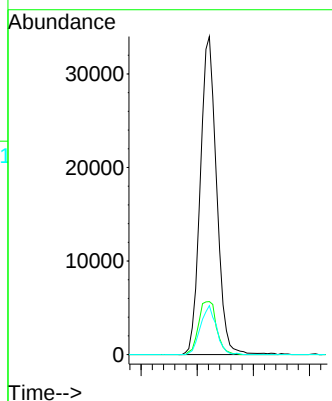
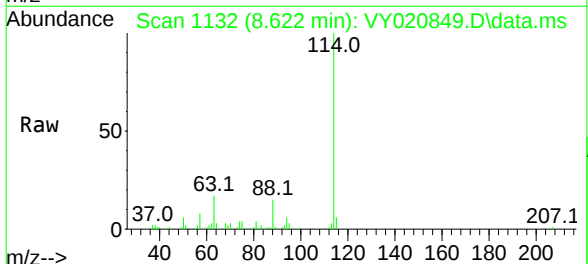
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-241-VOC

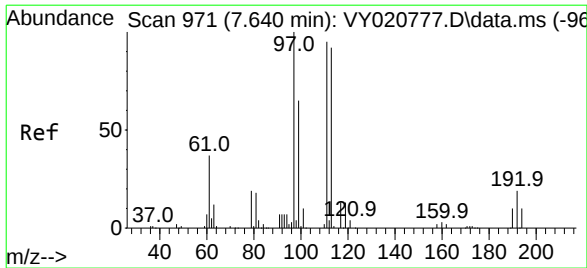
Tgt Ion: 65 Resp: 30909
Ion Ratio Lower Upper
65 100
67 52.5 0.0 102.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY020849.D
Acq: 17 Jan 2025 12:49

Tgt Ion: 114 Resp: 68637
Ion Ratio Lower Upper
114 100
63 16.7 0.0 38.4
88 15.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 63.864 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY020849.D

Acq: 17 Jan 2025 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-241-VOC

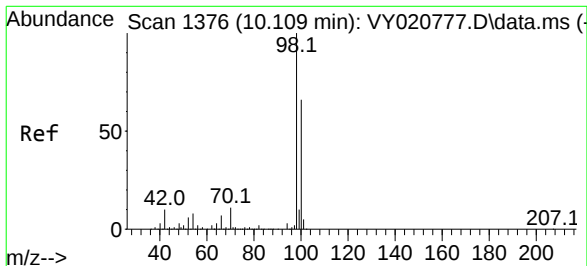
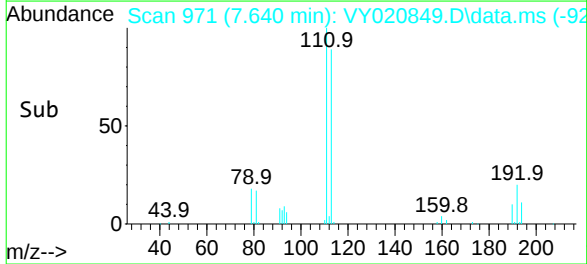
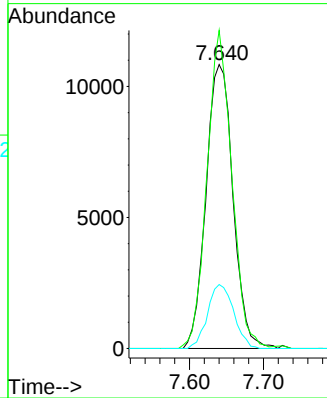
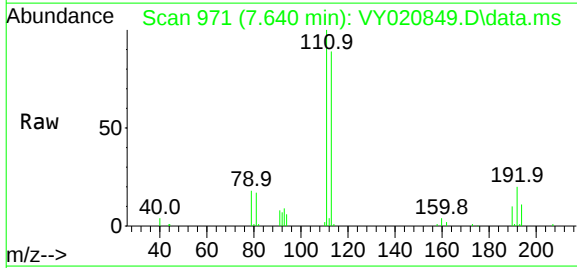
Tgt Ion:113 Resp: 27462

Ion Ratio Lower Upper

113 100

111 103.2 81.7 122.5

192 21.8 16.7 25.1



#50

Toluene-d8

Concen: 54.530 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY020849.D

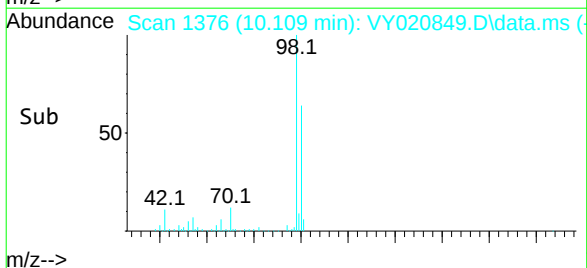
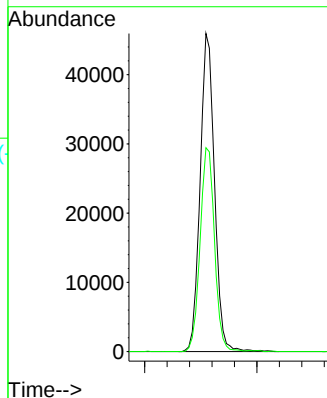
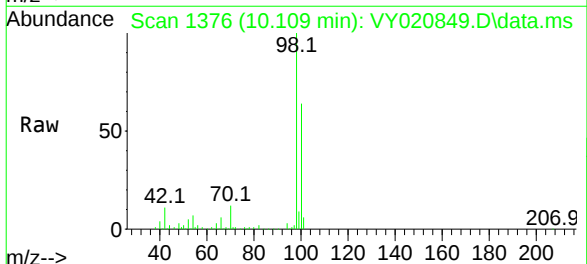
Acq: 17 Jan 2025 12:49

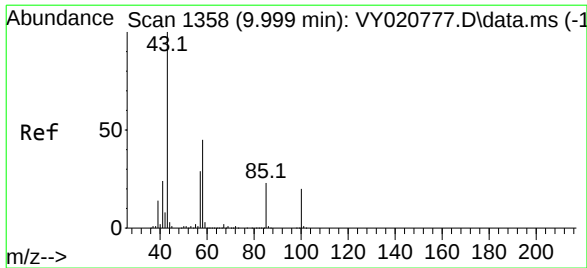
Tgt Ion: 98 Resp: 81740

Ion Ratio Lower Upper

98 100

100 64.3 52.5 78.7

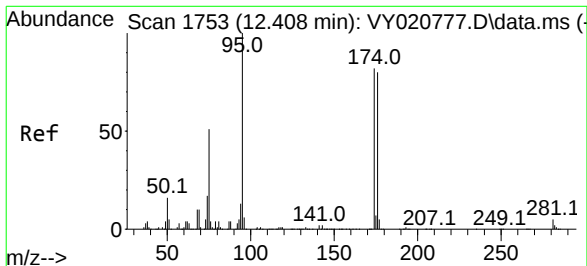
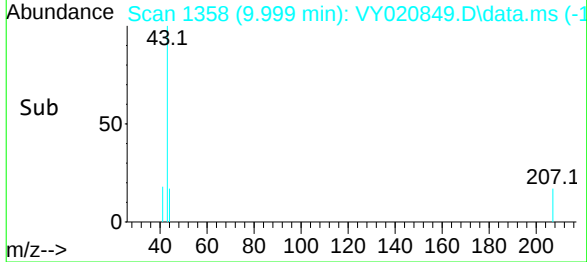
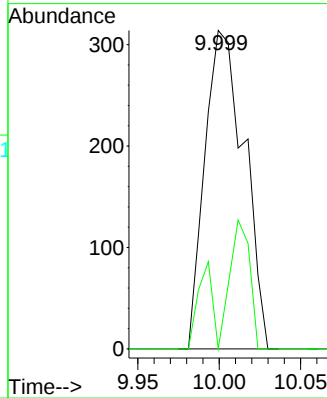
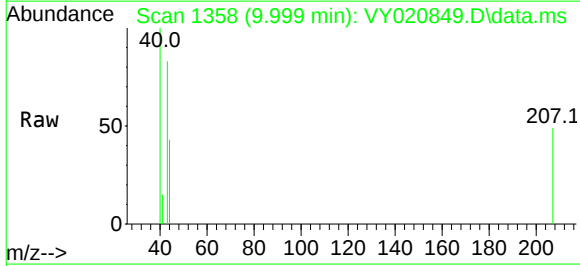




#51
4-Methyl-2-Pentanone
Concen: 2.376 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY020849.D
Acq: 17 Jan 2025 12:49

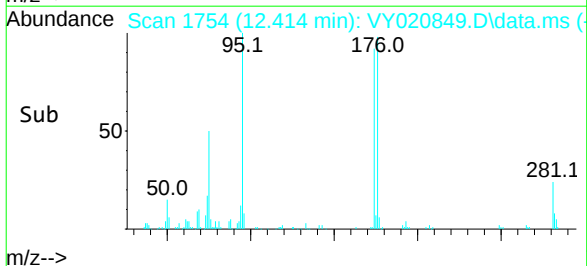
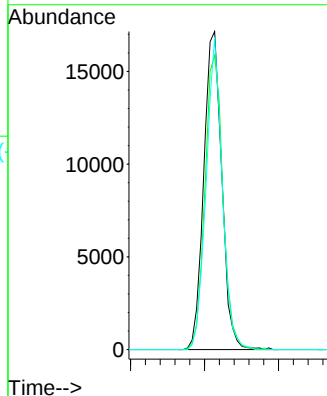
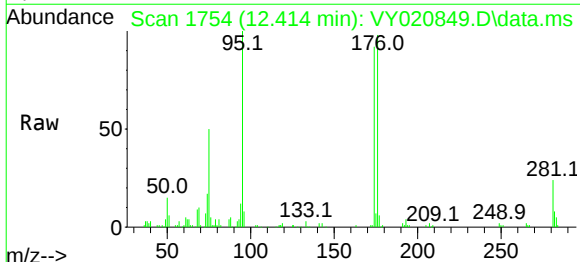
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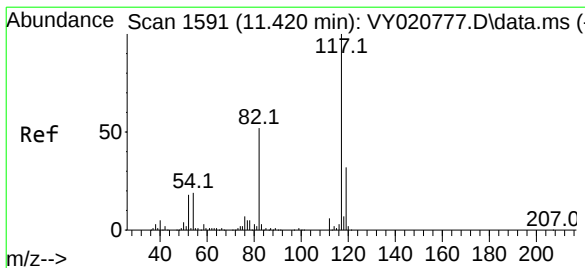
Tgt Ion: 43 Resp: 527
Ion Ratio Lower Upper
43 100
58 10.1 34.8 52.2#



#62
4-Bromofluorobenzene
Concen: 52.264 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY020849.D
Acq: 17 Jan 2025 12:49

Tgt Ion: 95 Resp: 28931
Ion Ratio Lower Upper
95 100
174 92.3 0.0 178.0
176 88.2 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY020849.D

Acq: 17 Jan 2025 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-241-VOC

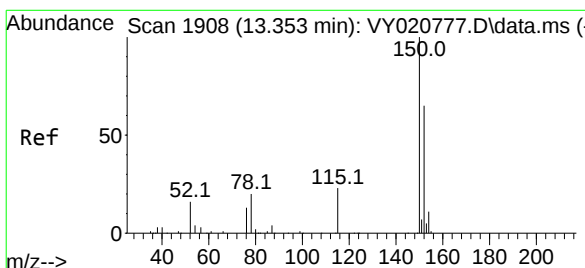
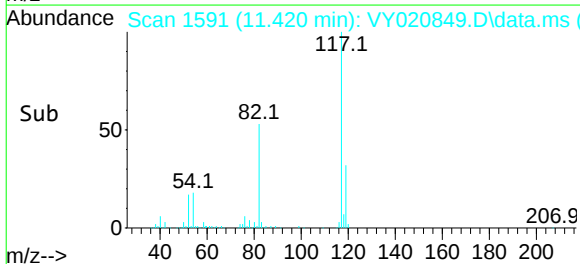
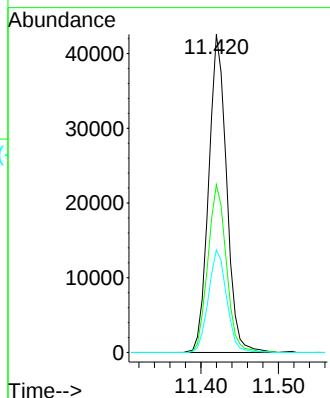
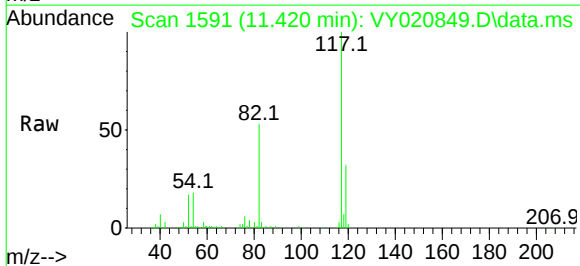
Tgt Ion:117 Resp: 68384

Ion Ratio Lower Upper

117 100

82 52.8 41.8 62.6

119 32.3 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY020849.D

Acq: 17 Jan 2025 12:49

Tgt Ion:152 Resp: 26838

Ion Ratio Lower Upper

152 100

115 56.9 29.0 87.0

150 161.1 0.0 347.4

