

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012025\
 Data File : VY020883.D
 Acq On : 20 Jan 2025 16:10
 Operator : SY/MD
 Sample : Q1110-02
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BIN-1-VOC

Quant Time: Jan 21 00:43:24 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)

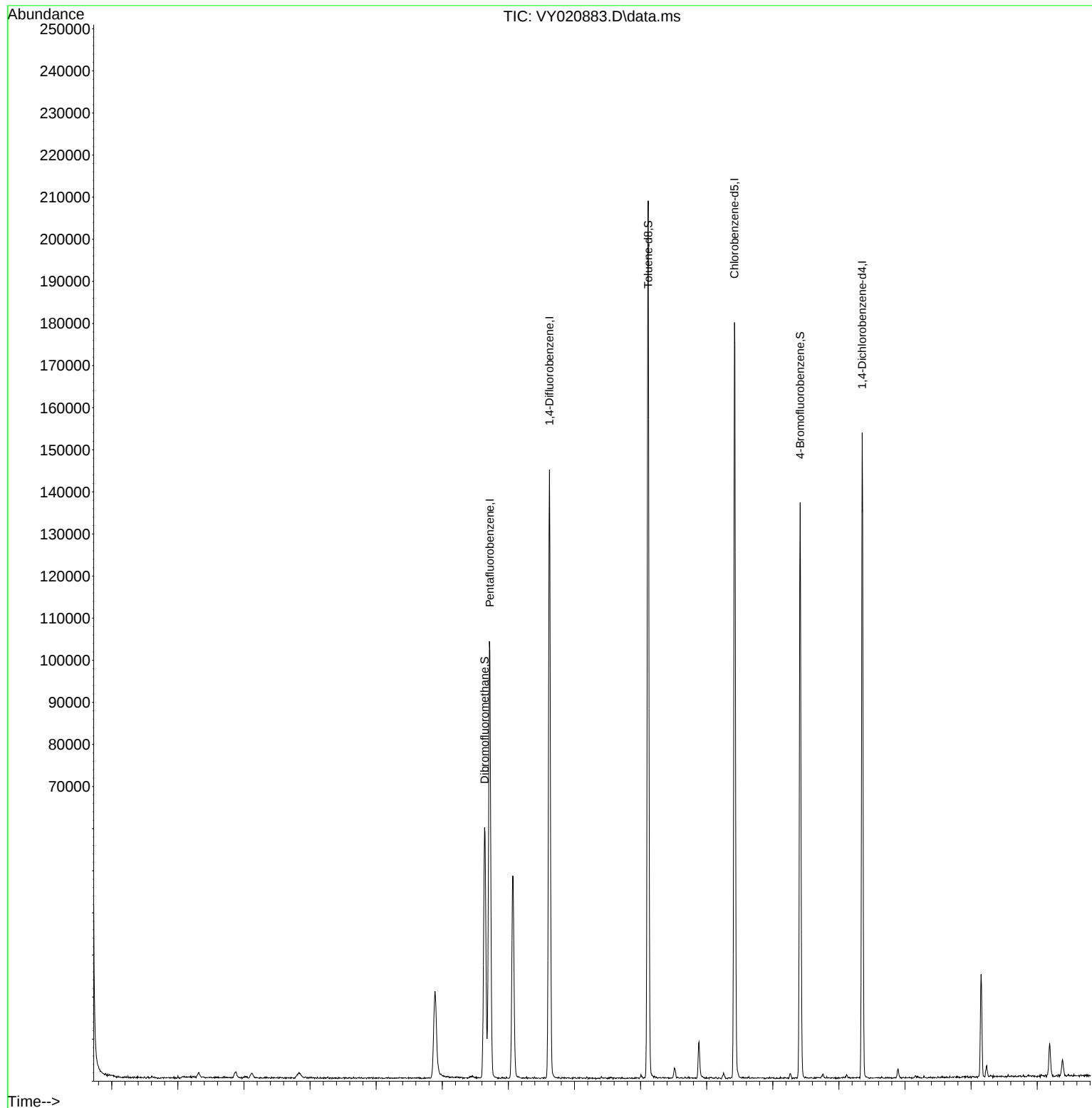
Internal Standards						
1) Pentafluorobenzene	7.719	168	85017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	127478	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	104605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	41473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	40117	55.516	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.040%
35) Dibromofluoromethane	7.640	113	43395	54.336	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.680%
50) Toluene-d8	10.115	98	140284	50.388	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.780%
62) 4-Bromofluorobenzene	12.414	95	41087	39.964	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	79.920%
Target Compounds						
16) Acetone	3.879	43	2544	24.757	ug/l #	85
51) 4-Methyl-2-Pentanone	10.006	43	538	1.306	ug/l	99
95) Naphthalene	15.151	128	21191	17.360	ug/l	98

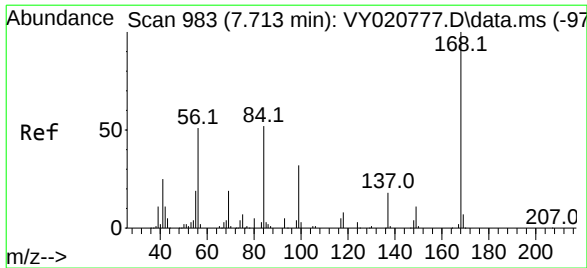
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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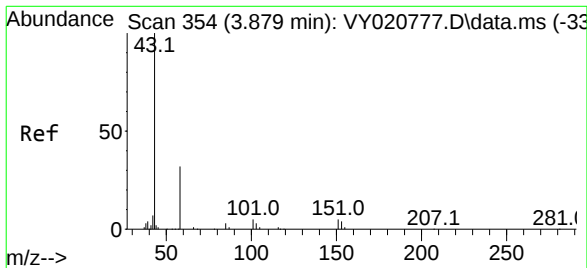
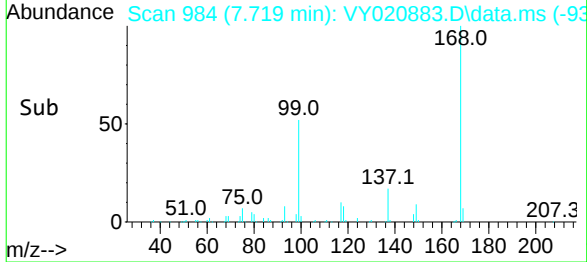
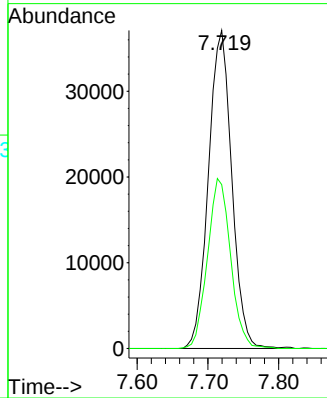
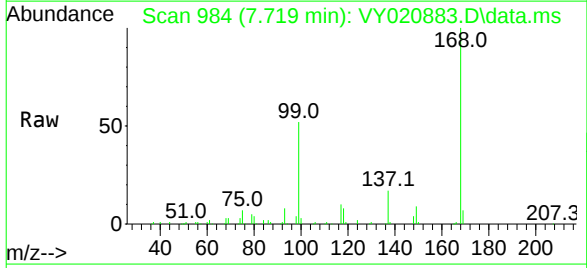




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020883.D
Acq: 20 Jan 2025 16:10

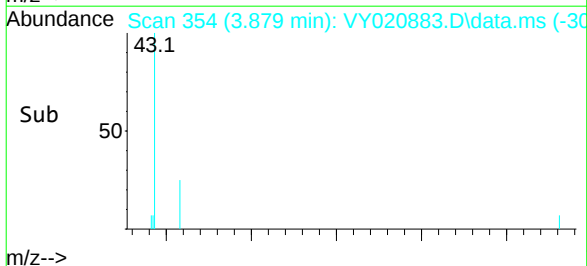
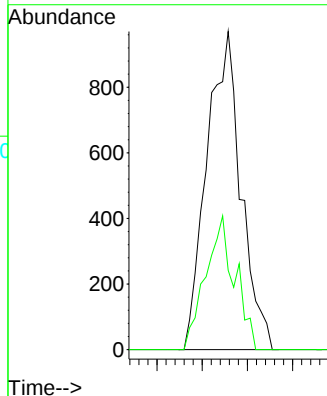
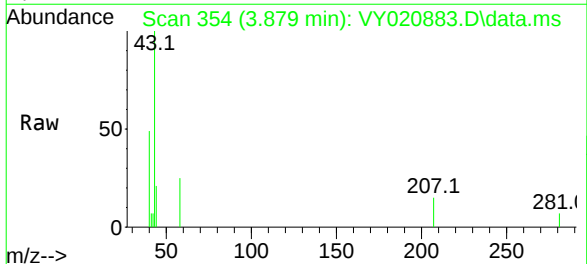
Instrument :
MSVOA_Y
ClientSampleId :
BIN-1-VOC

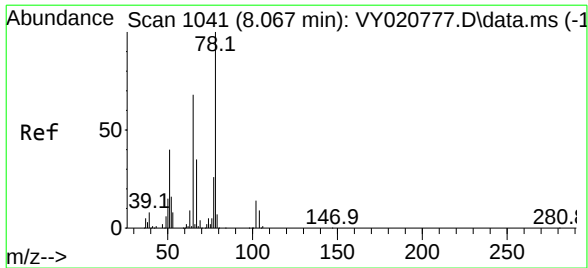
Tgt Ion:168 Resp: 85017
Ion Ratio Lower Upper
168 100
99 51.5 44.3 66.5



#16
Acetone
Concen: 24.757 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY020883.D
Acq: 20 Jan 2025 16:10

Tgt Ion: 43 Resp: 2544
Ion Ratio Lower Upper
43 100
58 24.9 26.7 40.1#

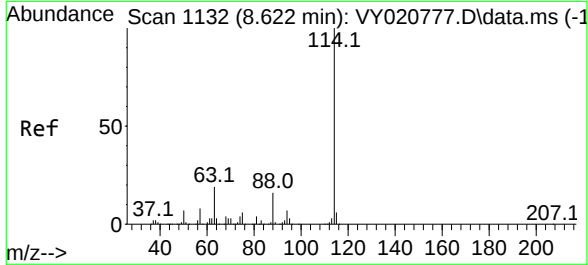
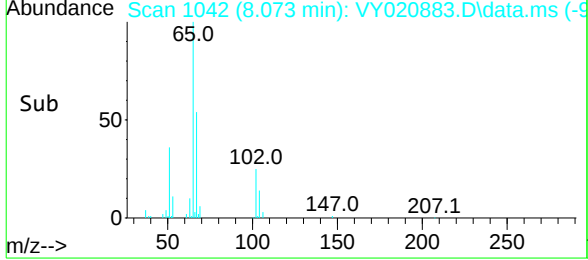
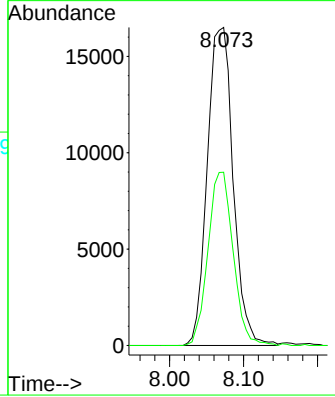
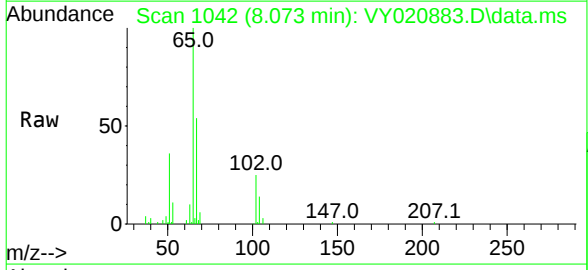




#33
 1,2-Dichloroethane-d4
 Concen: 55.516 ug/l
 RT: 8.073 min Scan# 1042
 Delta R.T. 0.006 min
 Lab File: VY020883.D
 Acq: 20 Jan 2025 16:10

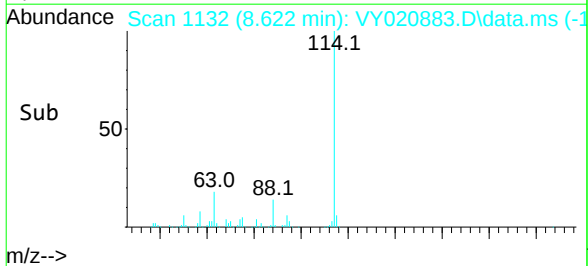
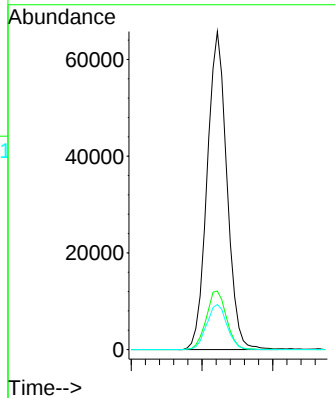
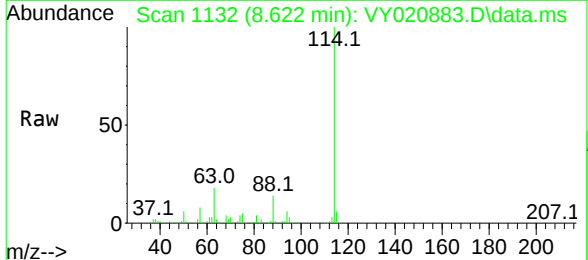
Instrument :
 MSVOA_Y
 ClientSampleId :
 BIN-1-VOC

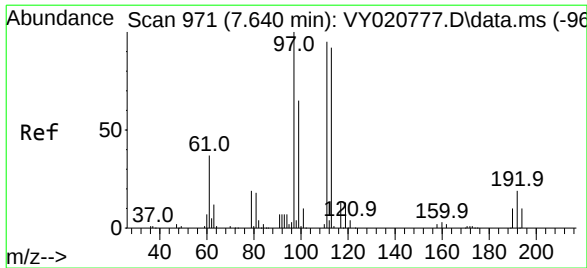
Tgt Ion:	65	Resp:	40117
Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.622 min Scan# 1132
 Delta R.T. 0.000 min
 Lab File: VY020883.D
 Acq: 20 Jan 2025 16:10

Tgt Ion:	114	Resp:	127478
Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	38.4
88	14.2	0.0	31.2

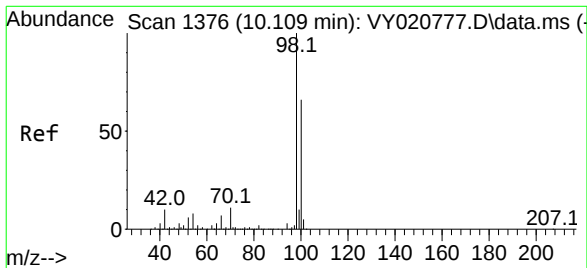
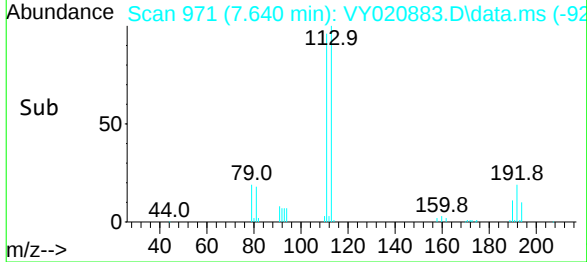
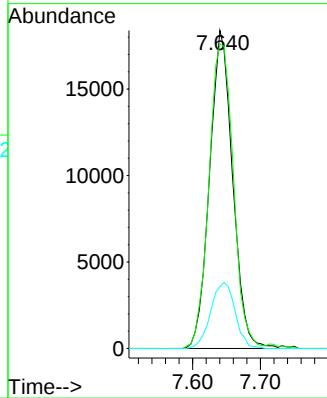
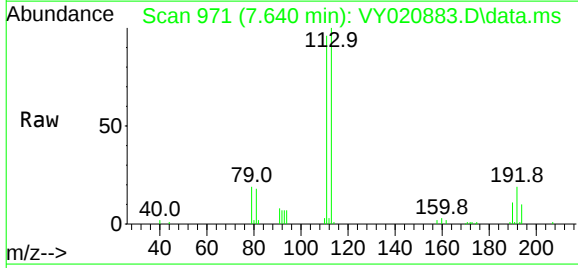




#35
Dibromofluoromethane
Concen: 54.336 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY020883.D
Acq: 20 Jan 2025 16:10

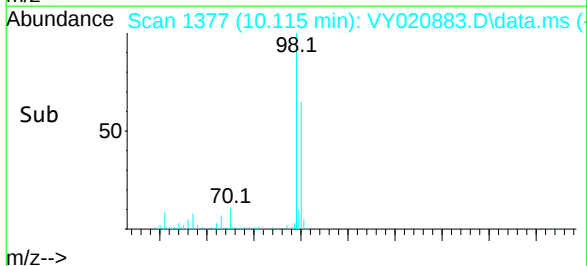
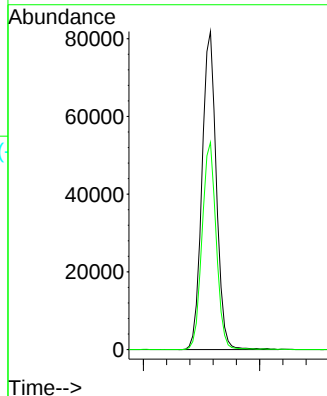
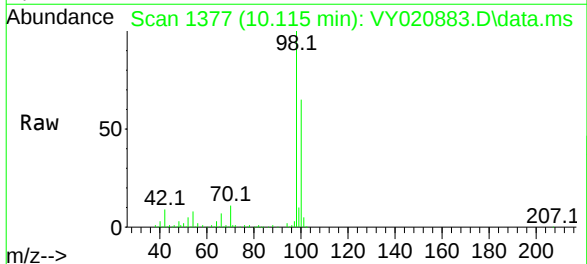
Instrument :
MSVOA_Y
ClientSampleId :
BIN-1-VOC

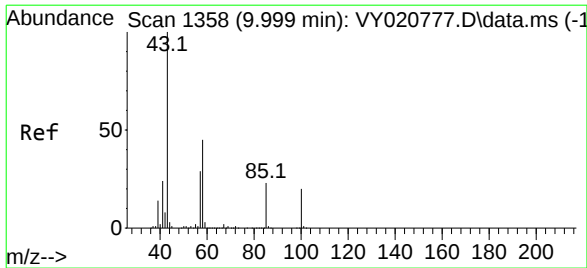
Tgt Ion:113 Resp: 43395
Ion Ratio Lower Upper
113 100
111 101.7 81.7 122.5
192 22.0 16.7 25.1



#50
Toluene-d8
Concen: 50.388 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY020883.D
Acq: 20 Jan 2025 16:10

Tgt Ion: 98 Resp: 140284
Ion Ratio Lower Upper
98 100
100 64.3 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 1.306 ug/l

RT: 10.006 min Scan# 1358

Delta R.T. 0.006 min

Lab File: VY020883.D

Acq: 20 Jan 2025 16:10

Instrument :

MSVOA_Y

ClientSampleId :

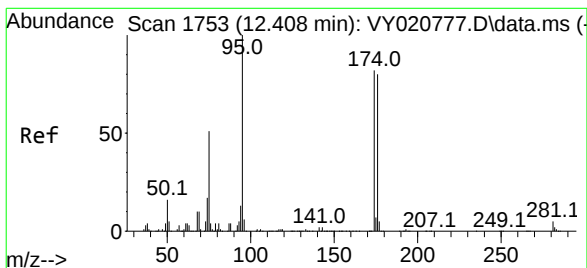
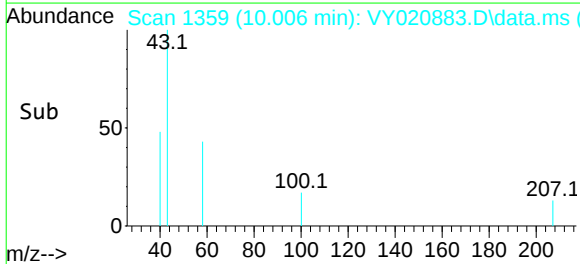
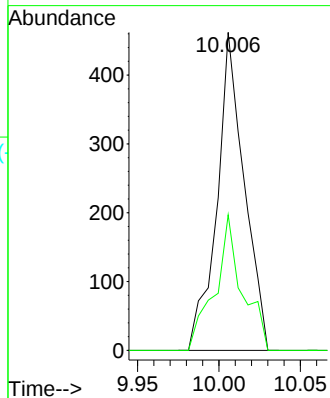
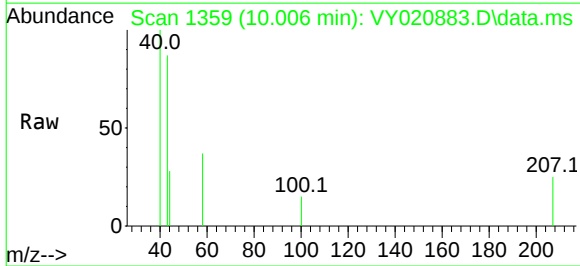
BIN-1-VOC

Tgt Ion: 43 Resp: 538

Ion Ratio Lower Upper

43 100

58 42.9 34.8 52.2



#62

4-Bromofluorobenzene

Concen: 39.964 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.006 min

Lab File: VY020883.D

Acq: 20 Jan 2025 16:10

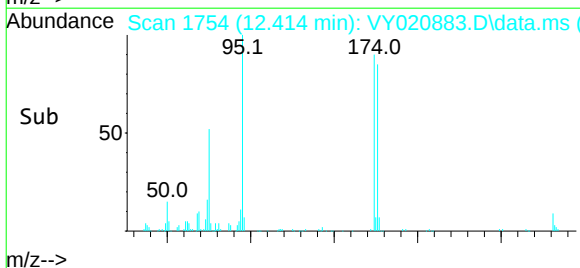
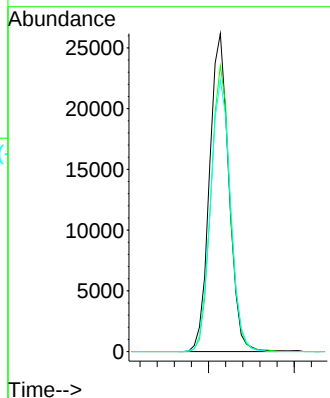
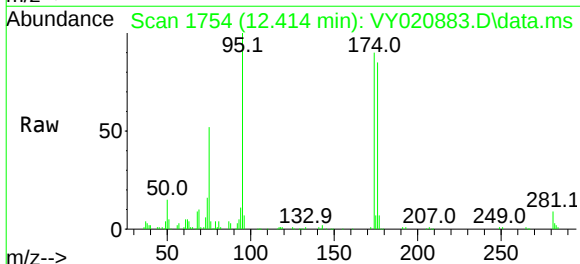
Tgt Ion: 95 Resp: 41087

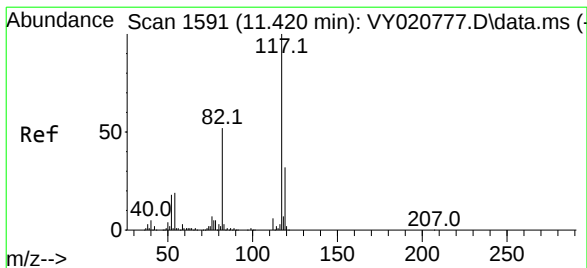
Ion Ratio Lower Upper

95 100

174 89.0 0.0 178.0

176 88.3 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: VY020883.D

Acq: 20 Jan 2025 16:10

Instrument :

MSVOA_Y

ClientSampleId :

BIN-1-VOC

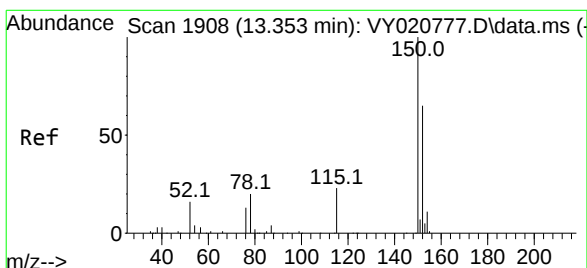
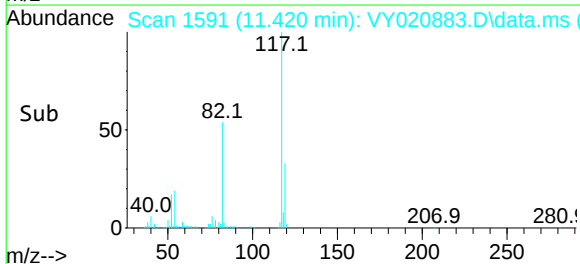
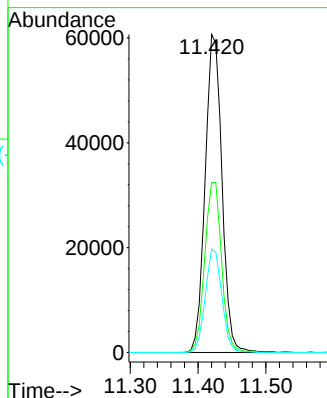
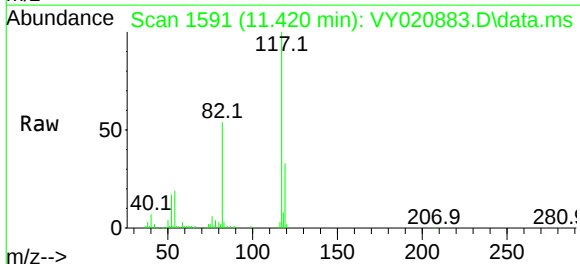
Tgt Ion:117 Resp: 104605

Ion Ratio Lower Upper

117 100

82 53.5 41.8 62.6

119 32.5 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020883.D

Acq: 20 Jan 2025 16:10

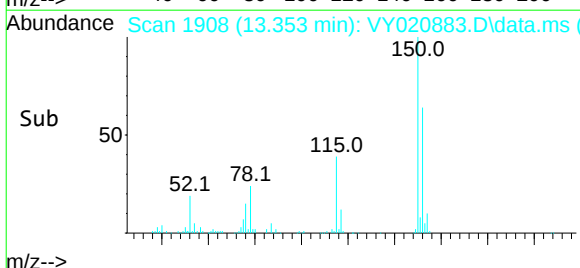
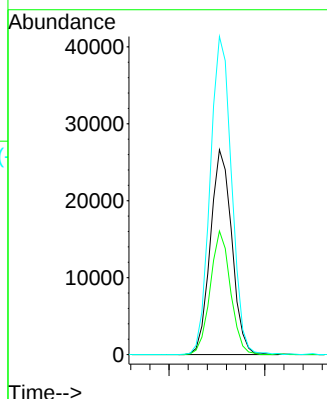
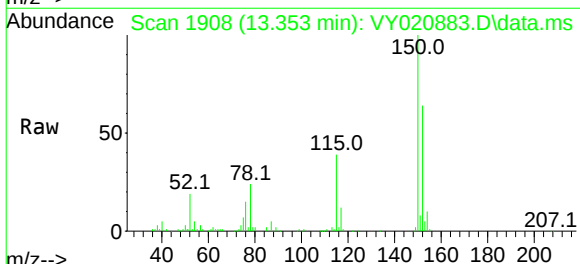
Tgt Ion:152 Resp: 41473

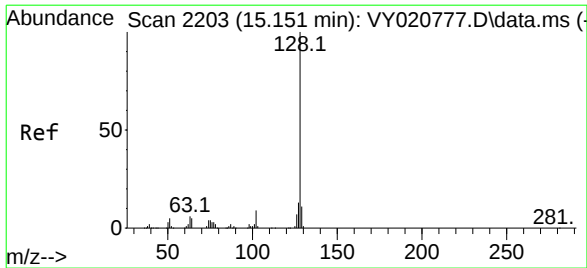
Ion Ratio Lower Upper

152 100

115 56.8 29.0 87.0

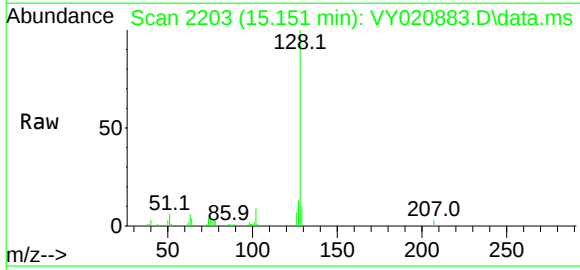
150 155.2 0.0 347.4





#95
Naphthalene
Concen: 17.360 ug/l
RT: 15.151 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020883.D
Acq: 20 Jan 2025 16:10

Instrument :
MSVOA_Y
ClientSampleId :
BIN-1-VOC



Tgt Ion:	128	Resp:	21191
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	9.8	8.6	12.8

