

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022285.D
 Acq On : 16 May 2025 12:54
 Operator : SY/MD
 Sample : Q1984-15RE
 Misc : 3.65g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-28-050725RE

Quant Time: May 17 01:32:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

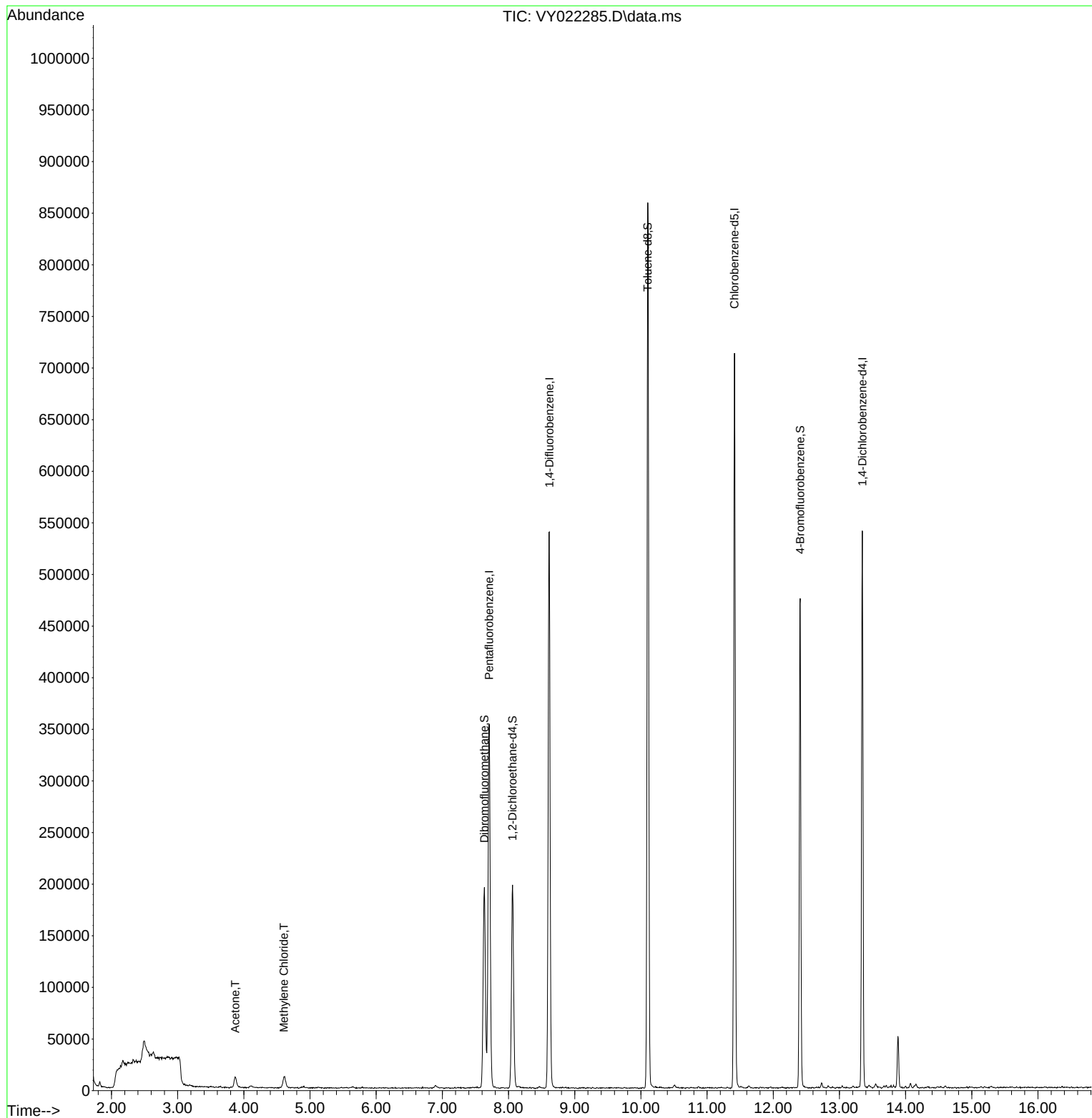
Internal Standards						
1) Pentafluorobenzene	7.707	168	264515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	453356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	350356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151263	52.324	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.640%
35) Dibromofluoromethane	7.634	113	135143	49.944	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.880%
50) Toluene-d8	10.103	98	541839	48.893	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.780%
62) 4-Bromofluorobenzene	12.408	95	136267	38.793	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.580%
Target Compounds						Qvalue
16) Acetone	3.872	43	18654	34.413	ug/l	98
20) Methylene Chloride	4.604	84	7586	2.166	ug/l #	84

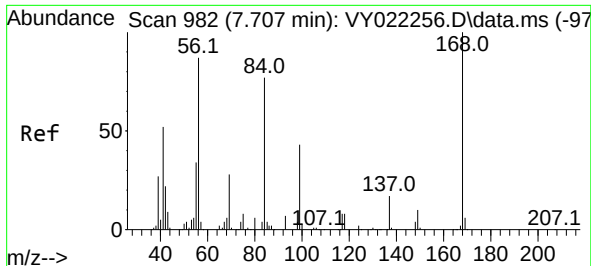
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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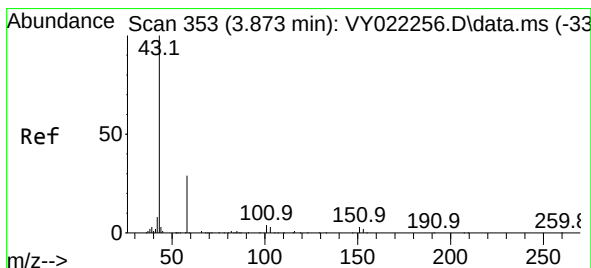
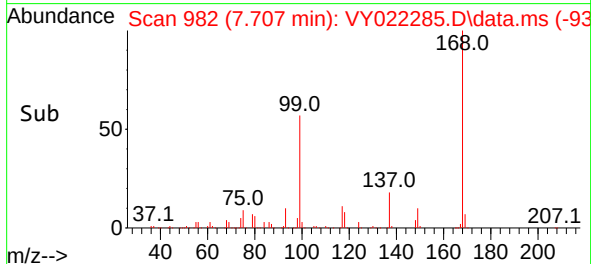
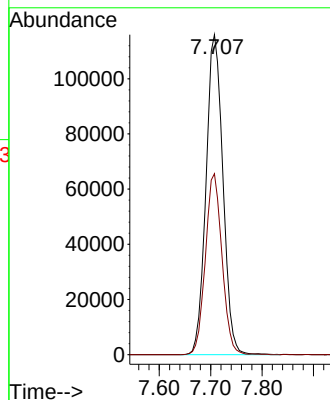
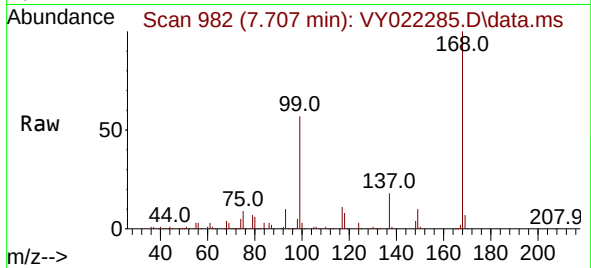




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

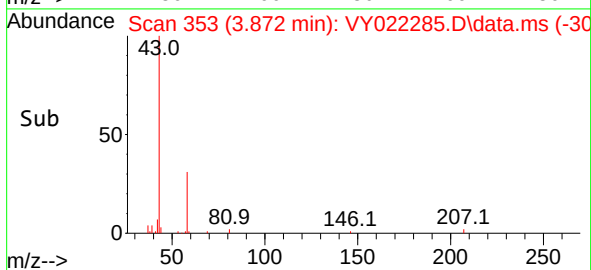
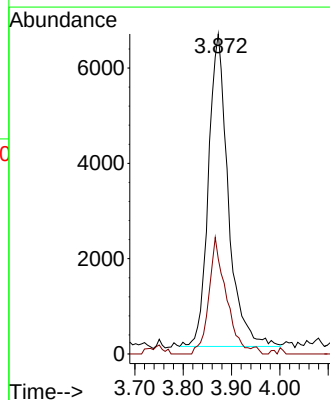
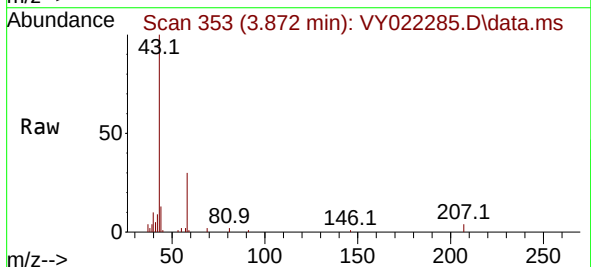
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725RE

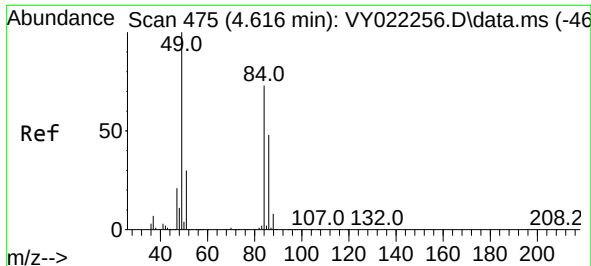
Tgt Ion:168 Resp: 264515
Ion Ratio Lower Upper
168 100
99 56.6 44.2 66.4



#16
Acetone
Concen: 34.413 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

Tgt Ion: 43 Resp: 18654
Ion Ratio Lower Upper
43 100
58 30.4 23.6 35.4

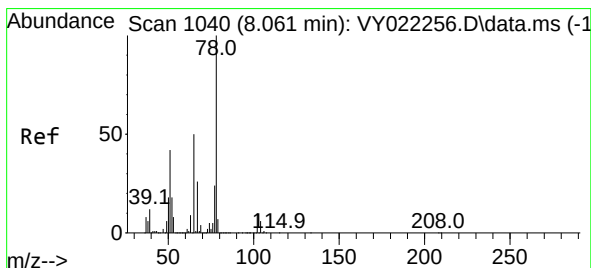
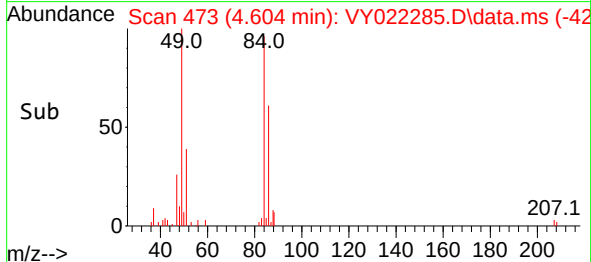
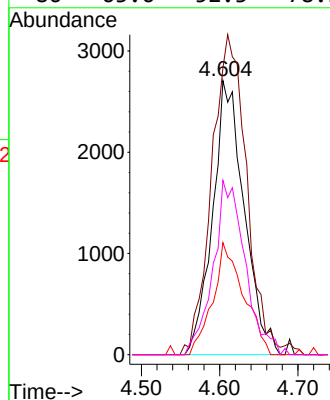
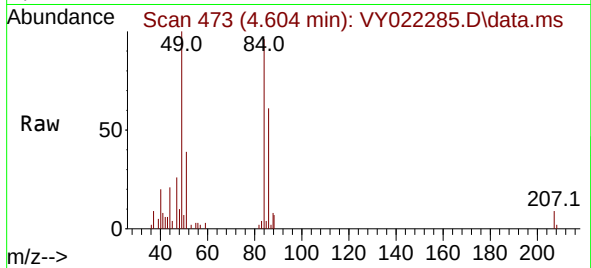




#20
Methylene Chloride
Concen: 2.166 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

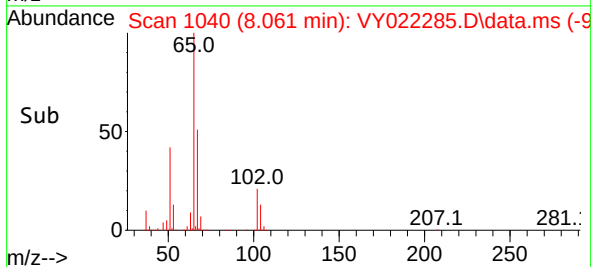
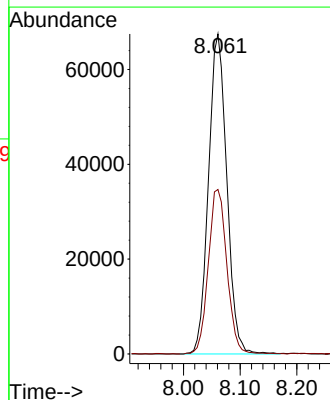
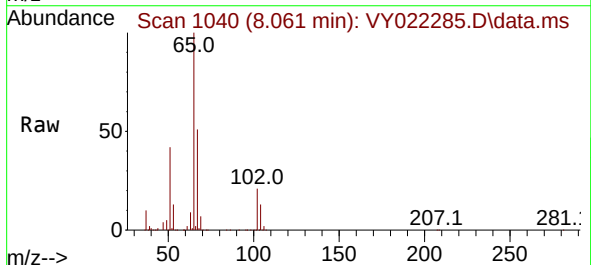
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725RE

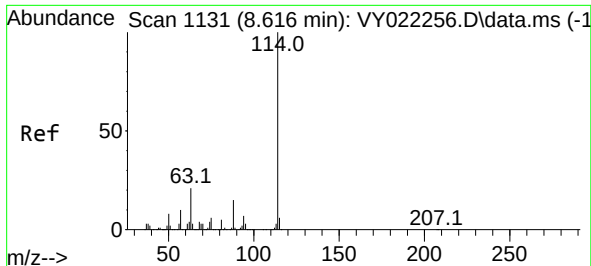
Tgt Ion:	84	Resp:	7586
Ion	Ratio	Lower	Upper
84	100		
49	104.5	109.6	164.4#
51	40.8	32.4	48.6
86	63.6	52.3	78.5



#33
1,2-Dichloroethane-d4
Concen: 52.324 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

Tgt Ion:	65	Resp:	151263
Ion	Ratio	Lower	Upper
65	100		
67	52.3	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: VY022285.D

Acq: 16 May 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-28-050725RE

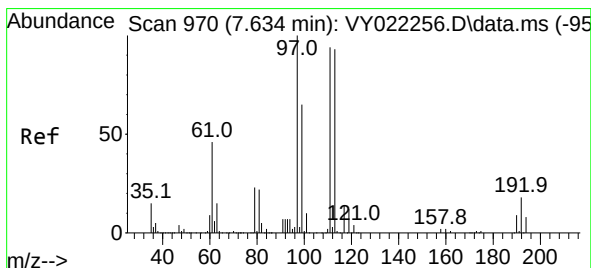
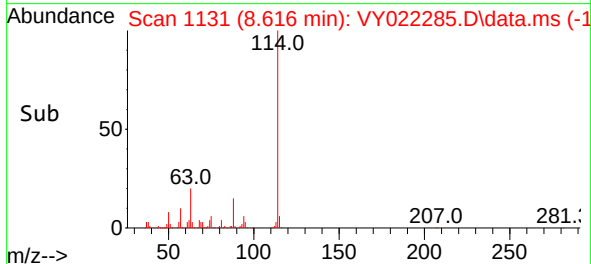
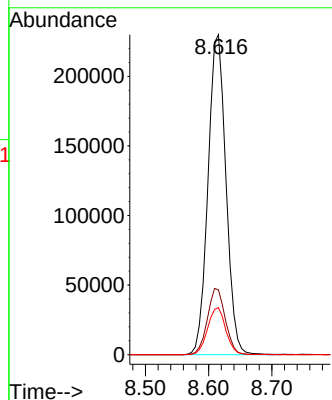
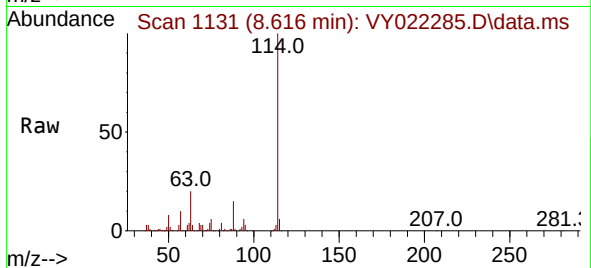
Tgt Ion:114 Resp: 453356

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.0

88 14.7 0.0 29.4



#35

Dibromofluoromethane

Concen: 49.944 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022285.D

Acq: 16 May 2025 12:54

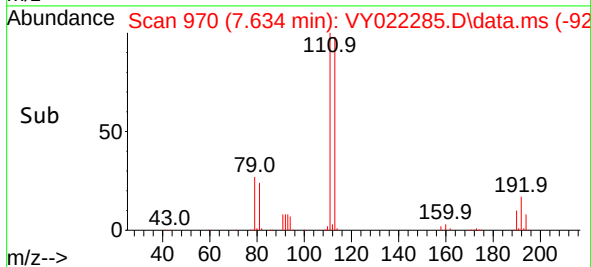
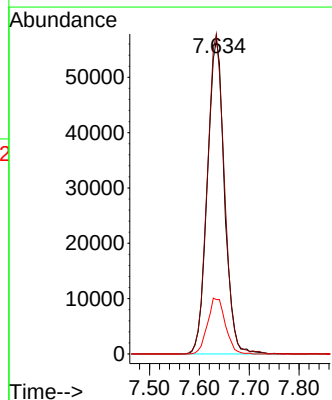
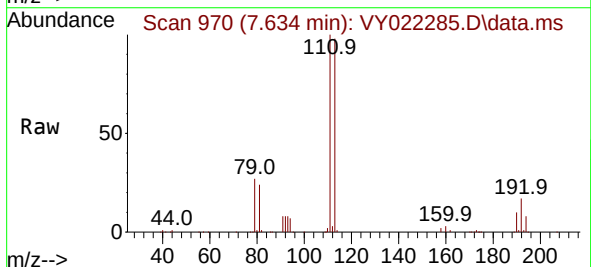
Tgt Ion:113 Resp: 135143

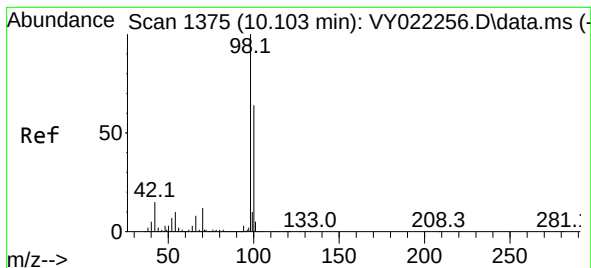
Ion Ratio Lower Upper

113 100

111 101.9 82.6 123.8

192 18.5 15.2 22.8

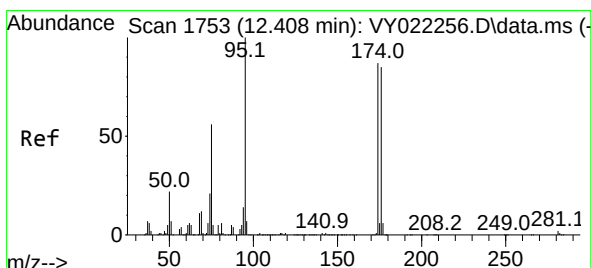
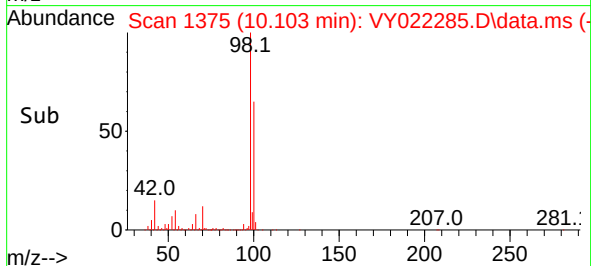
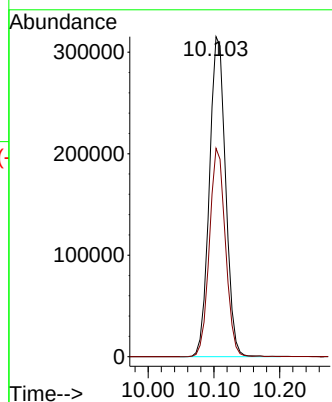
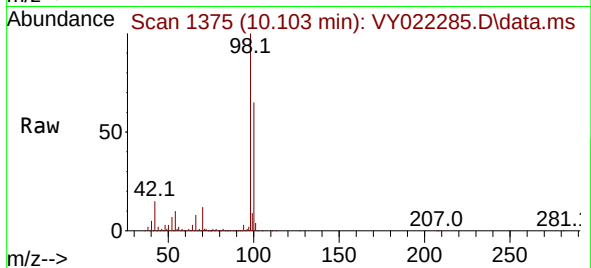




#50
Toluene-d8
Concen: 48.893 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

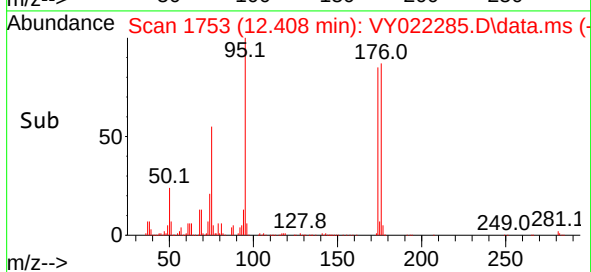
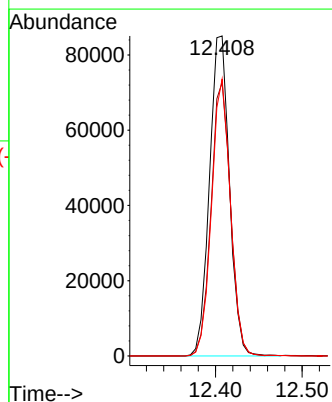
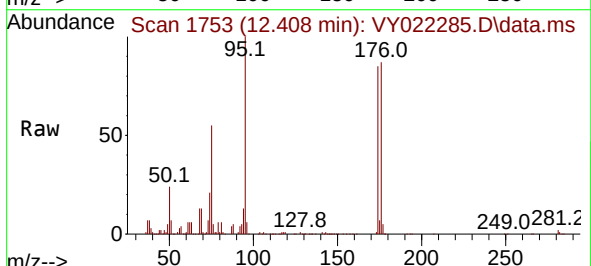
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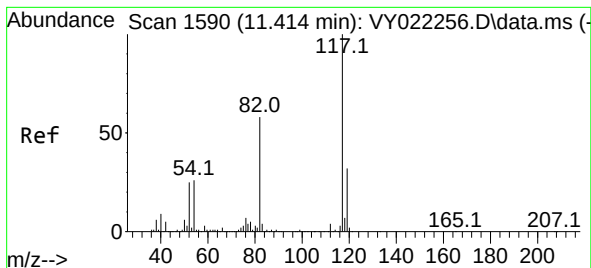
Tgt Ion: 98 Resp: 541839
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 38.793 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

Tgt Ion: 95 Resp: 136267
Ion Ratio Lower Upper
95 100
174 83.5 0.0 166.8
176 82.2 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022285.D

Acq: 16 May 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-28-050725RE

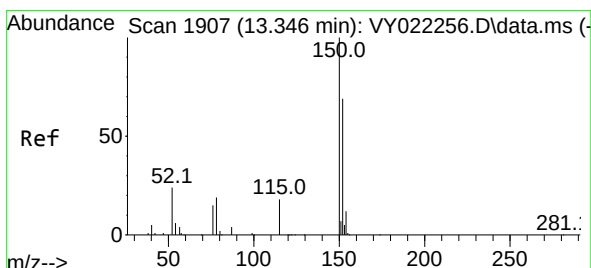
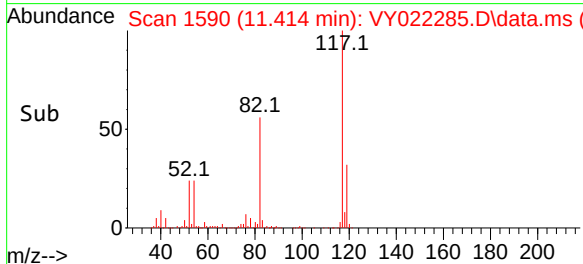
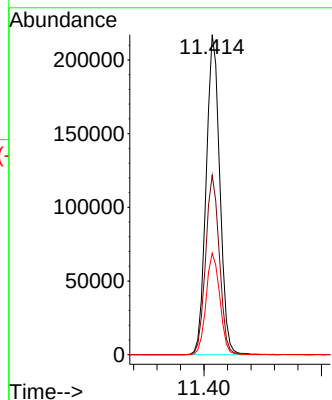
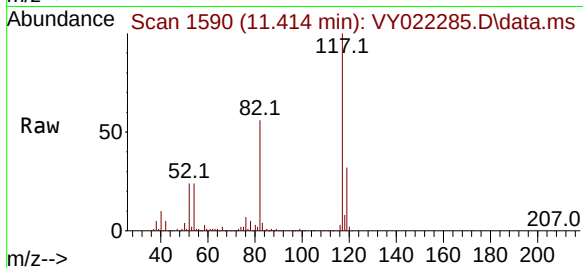
Tgt Ion:117 Resp: 350356

Ion Ratio Lower Upper

117 100

82 56.1 46.6 70.0

119 31.7 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022285.D

Acq: 16 May 2025 12:54

Tgt Ion:152 Resp: 125365

Ion Ratio Lower Upper

152 100

115 56.8 29.4 88.2

150 155.2 0.0 353.8

