

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022282.D
 Acq On : 16 May 2025 11:41
 Operator : SY/MD
 Sample : Q1984-09
 Misc : 2.98g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-25-050725

Quant Time: May 17 01:30:49 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)

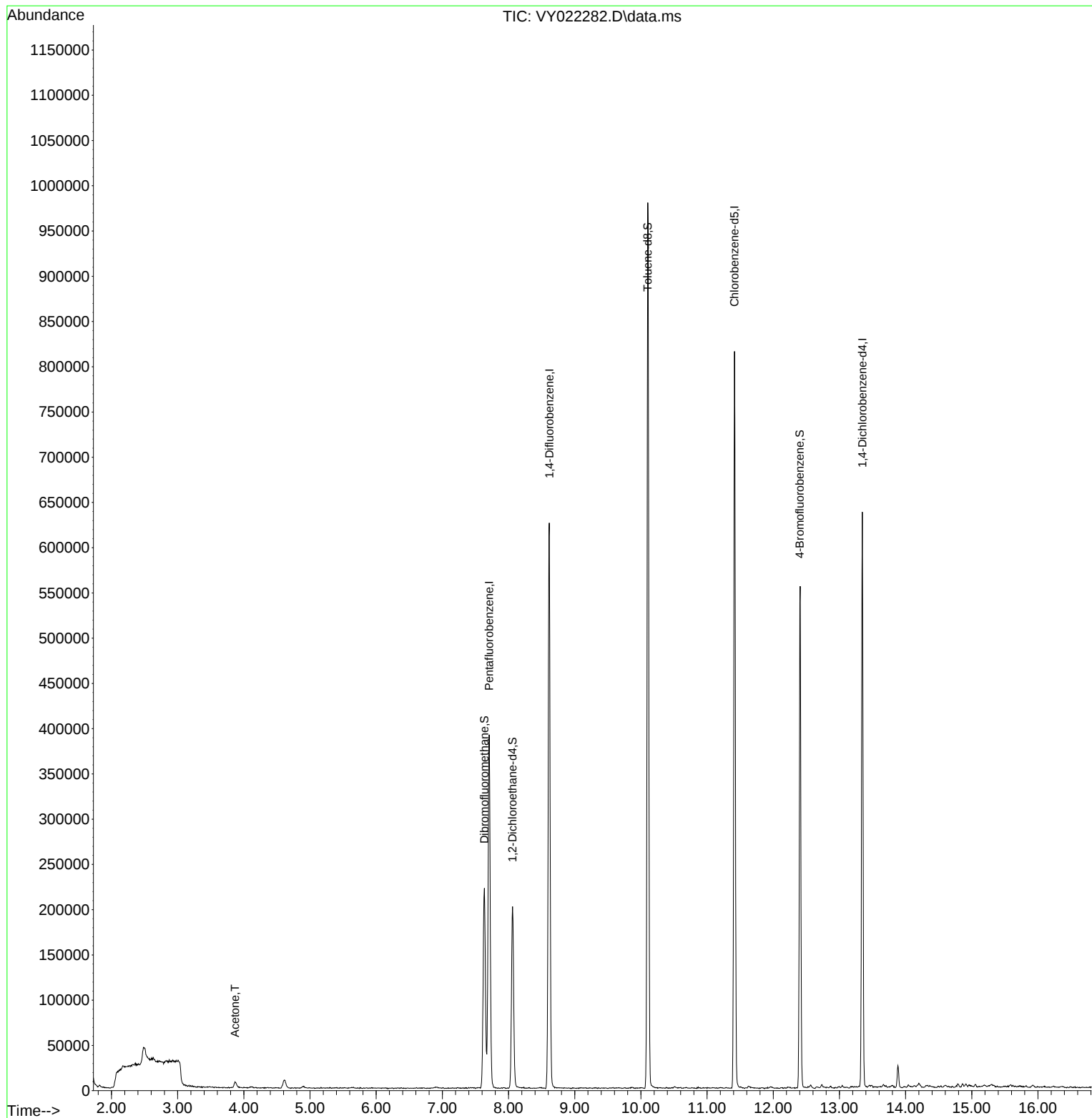
Internal Standards						
1) Pentafluorobenzene	7.707	168	290980	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	516868	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	401768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153153	48.159	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.320%
35) Dibromofluoromethane	7.634	113	153811	49.858	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.720%
50) Toluene-d8	10.103	98	619790	49.055	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.100%
62) 4-Bromofluorobenzene	12.402	95	158907	39.679	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.360%
Target Compounds						
16) Acetone	3.867	43	10709	17.959	ug/l	Qvalue # 88

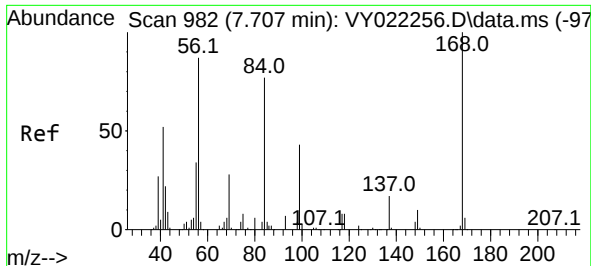
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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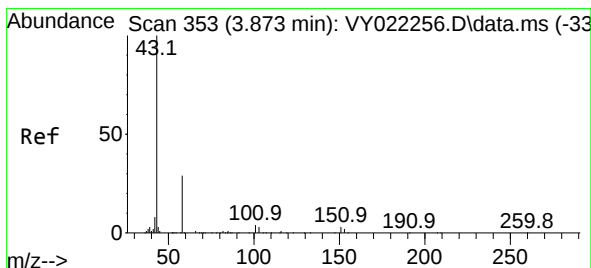
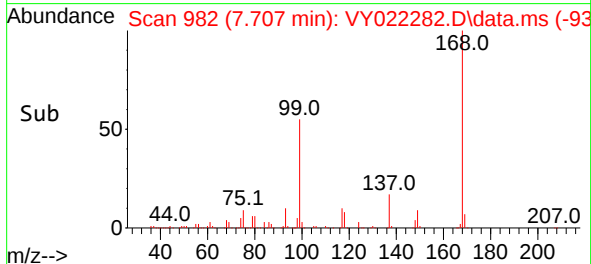
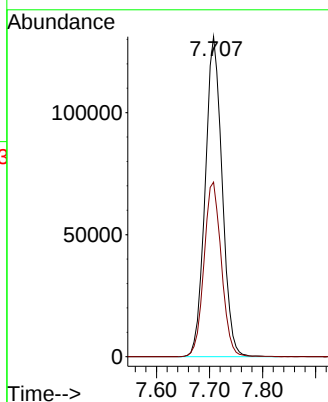
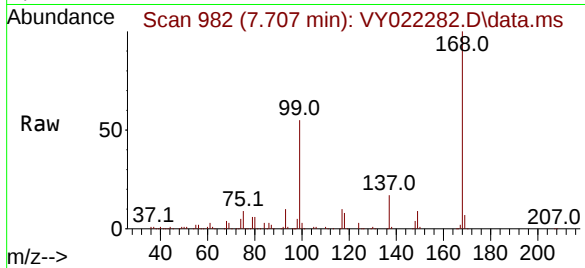




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022282.D
Acq: 16 May 2025 11:41

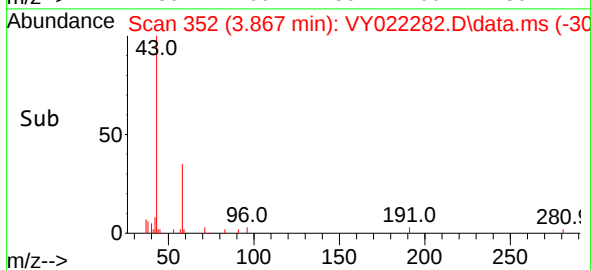
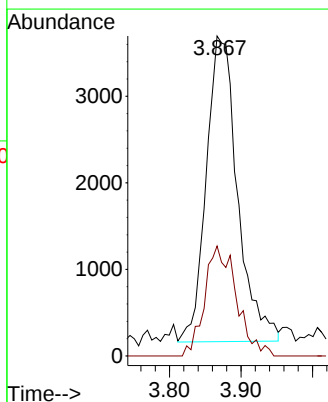
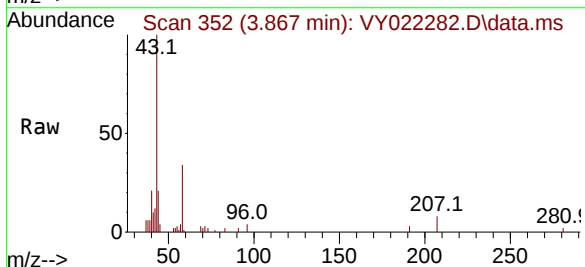
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-25-050725

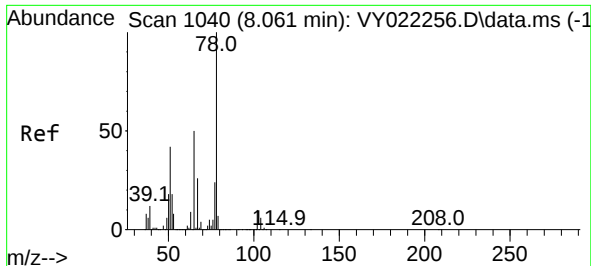
Tgt Ion:168 Resp: 290980
Ion Ratio Lower Upper
168 100
99 54.6 44.2 66.4



#16
Acetone
Concen: 17.959 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022282.D
Acq: 16 May 2025 11:41

Tgt Ion: 43 Resp: 10709
Ion Ratio Lower Upper
43 100
58 36.0 23.6 35.4#





#33

1,2-Dichloroethane-d4

Concen: 48.159 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022282.D

Acq: 16 May 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

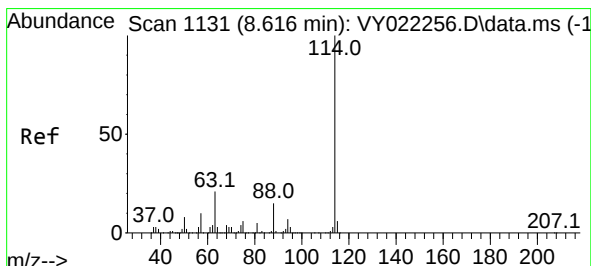
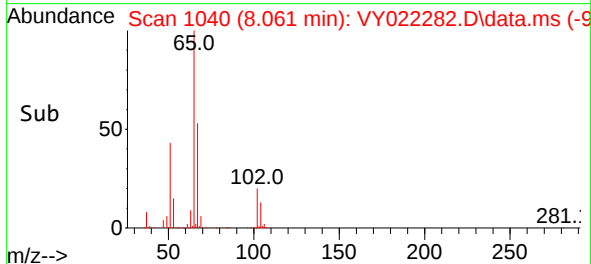
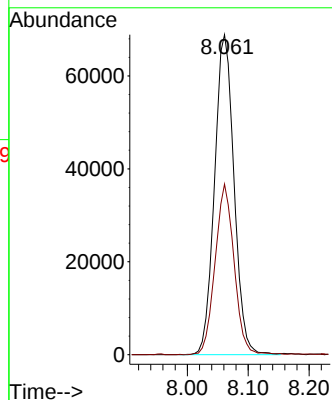
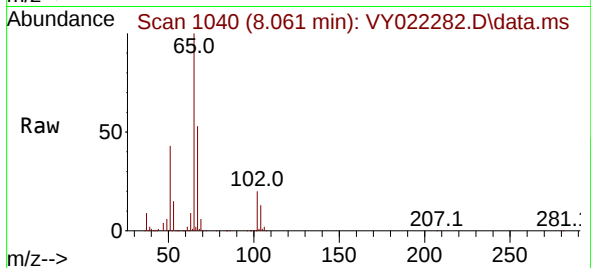
OU4-TS-25-050725

Tgt Ion: 65 Resp: 153153

Ion Ratio Lower Upper

65 100

67 52.1 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: VY022282.D

Acq: 16 May 2025 11:41

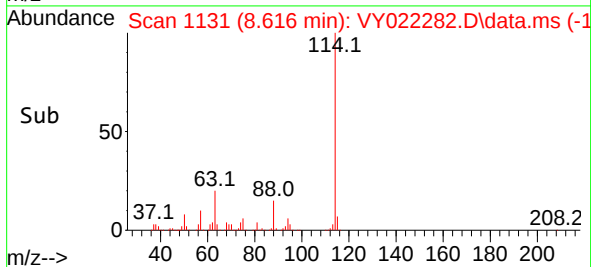
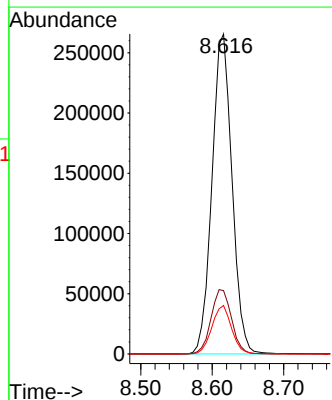
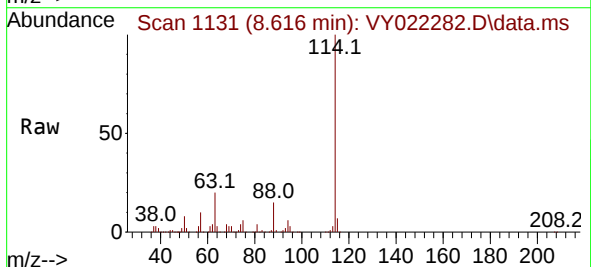
Tgt Ion: 114 Resp: 516868

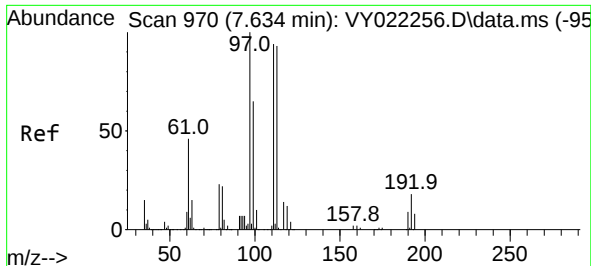
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.0

88 15.2 0.0 29.4

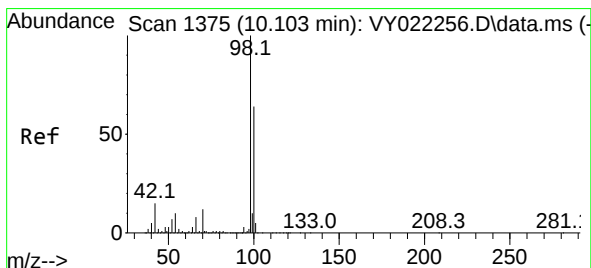
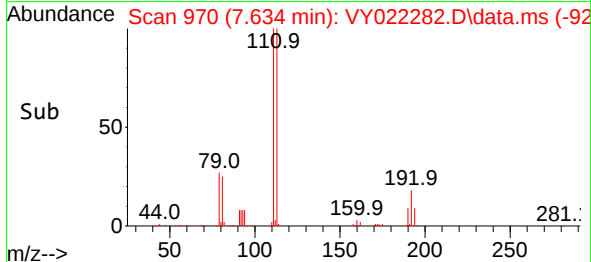
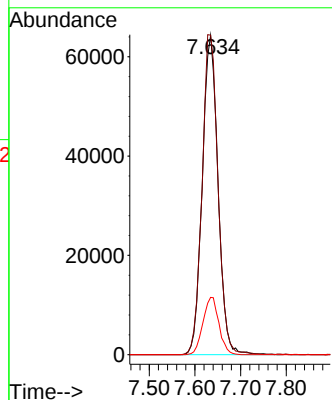
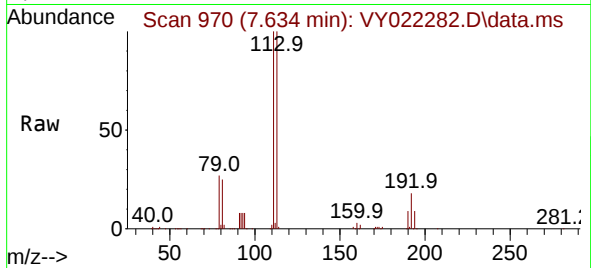




#35
Dibromofluoromethane
Concen: 49.858 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022282.D
Acq: 16 May 2025 11:41

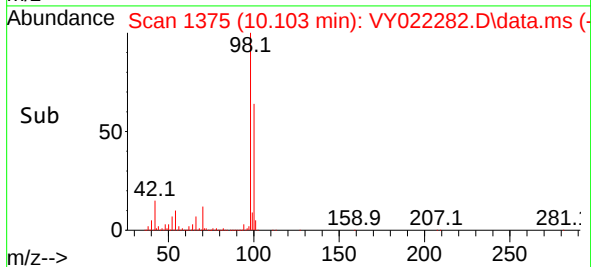
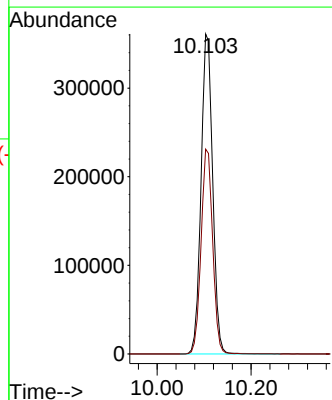
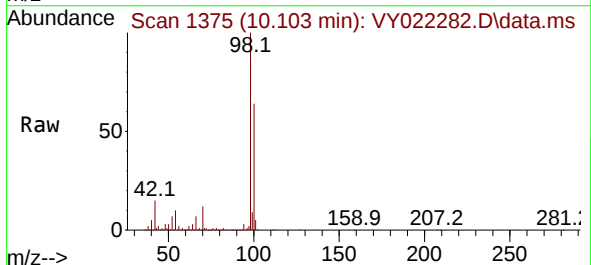
Instrument :
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ClientSampleId :
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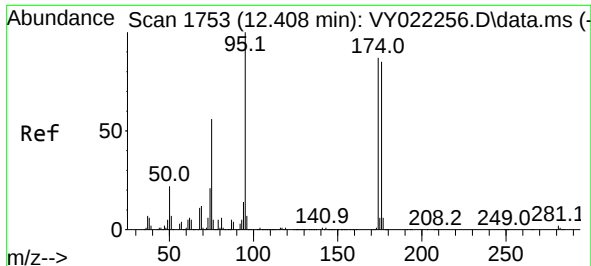
Tgt Ion:113 Resp: 153811
Ion Ratio Lower Upper
113 100
111 101.6 82.6 123.8
192 18.2 15.2 22.8



#50
Toluene-d8
Concen: 49.055 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022282.D
Acq: 16 May 2025 11:41

Tgt Ion: 98 Resp: 619790
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.8

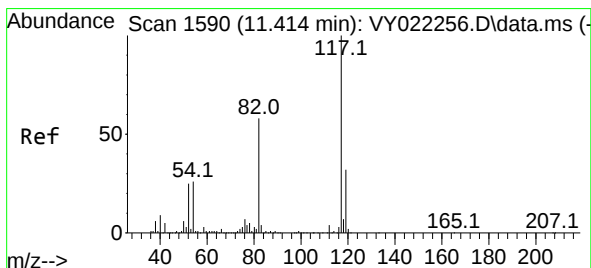
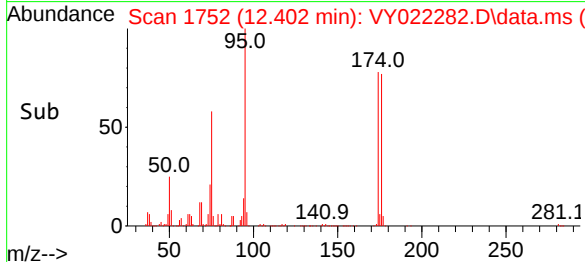
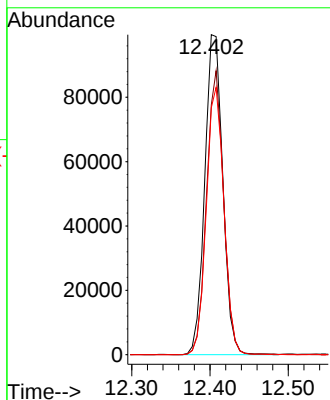
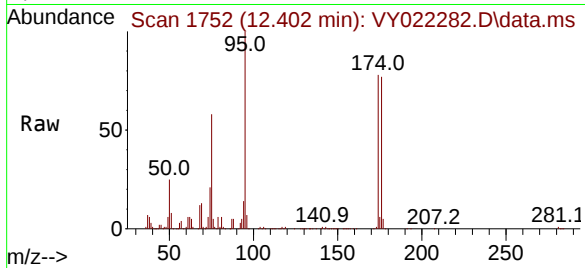




#62
4-Bromofluorobenzene
Concen: 39.679 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022282.D
Acq: 16 May 2025 11:41

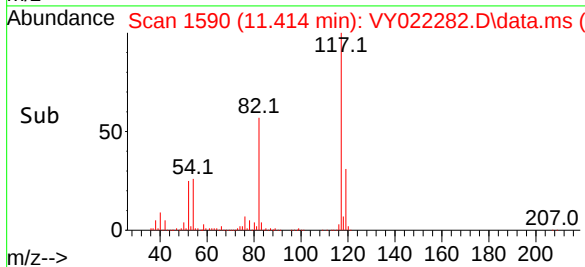
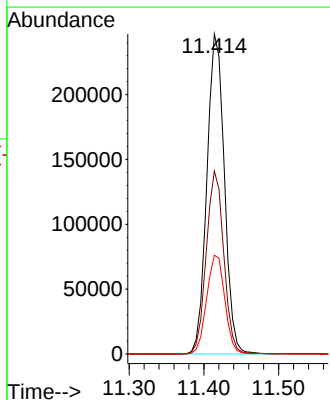
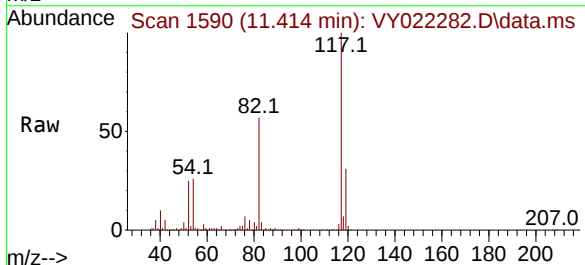
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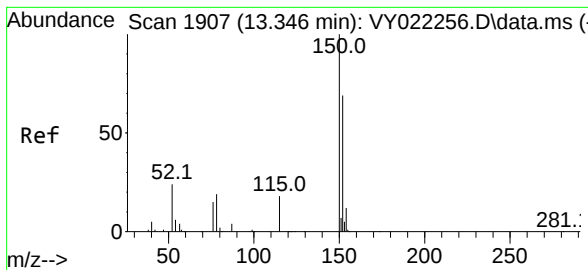
Tgt Ion: 95 Resp: 158907
Ion Ratio Lower Upper
95 100
174 84.2 0.0 166.8
176 81.6 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022282.D
Acq: 16 May 2025 11:41

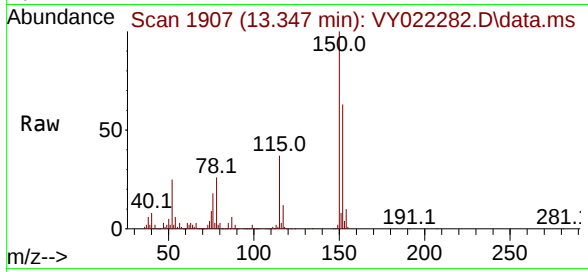
Tgt Ion: 117 Resp: 401768
Ion Ratio Lower Upper
117 100
82 57.2 46.6 70.0
119 30.8 25.8 38.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VY022282.D
 Acq: 16 May 2025 11:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-25-050725



Tgt Ion:	152	Resp:	145583
Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.4	88.2
150	157.8	0.0	353.8

