

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022284.D
 Acq On : 16 May 2025 12:29
 Operator : SY/MD
 Sample : Q1984-13
 Misc : 3.42g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-27-050725

Quant Time: May 17 01:31:42 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)

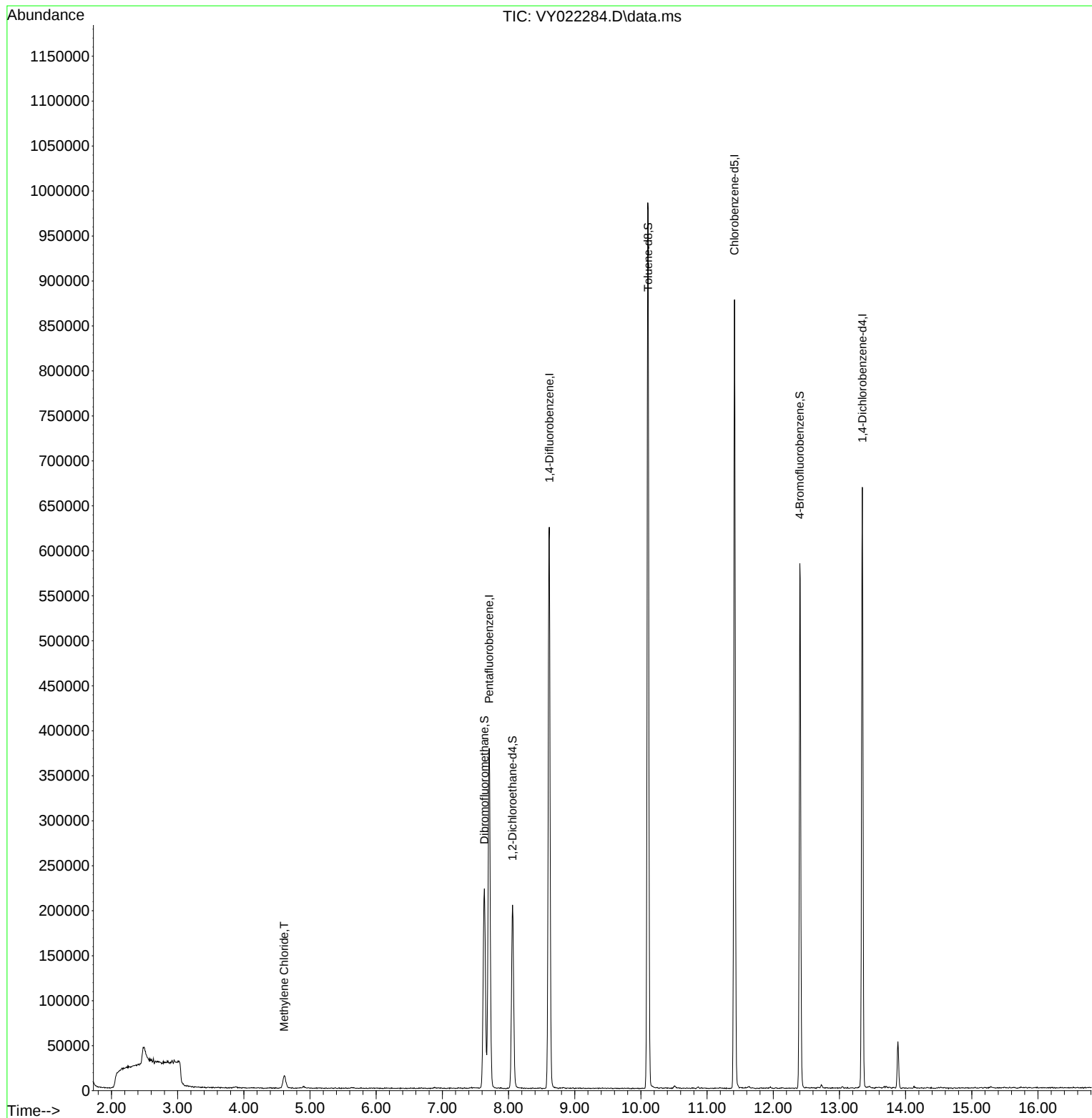
Internal Standards						
1) Pentafluorobenzene	7.707	168	290740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	521620	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	417665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	152557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156001	49.095	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.200%
35) Dibromofluoromethane	7.634	113	154975	49.778	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.560%
50) Toluene-d8	10.109	98	624035	48.941	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.880%
62) 4-Bromofluorobenzene	12.402	95	162278	40.152	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.300%
Target Compounds						Qvalue
20) Methylene Chloride	4.610	84	9836	2.555	ug/l	89

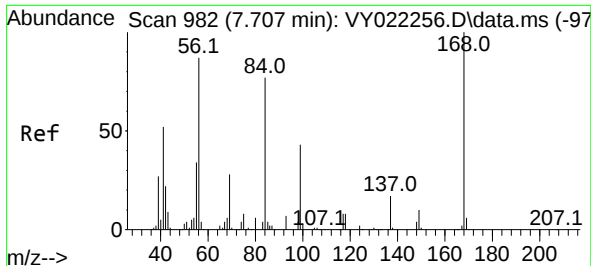
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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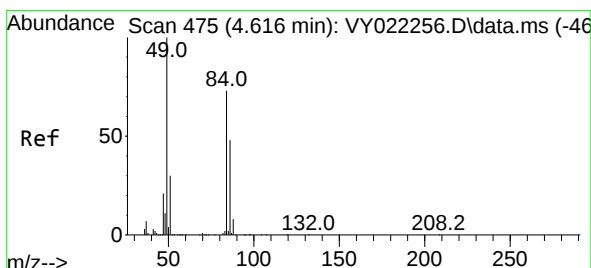
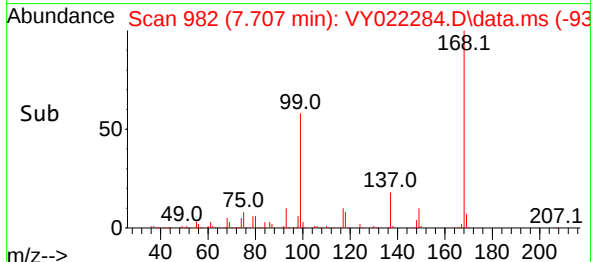
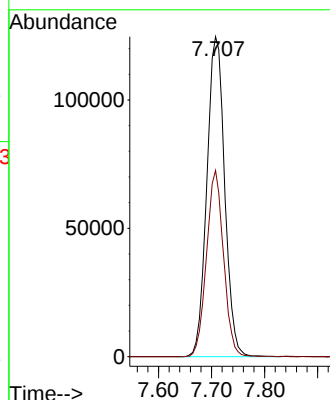
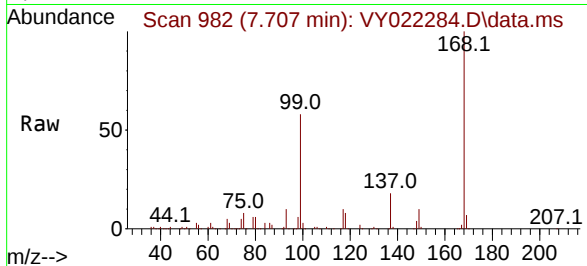




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

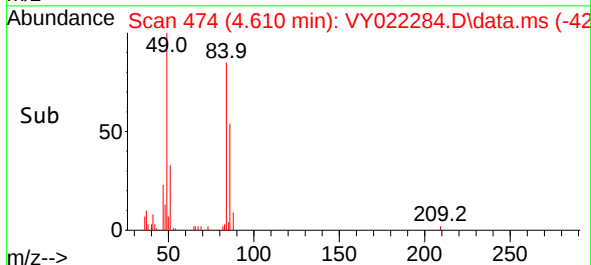
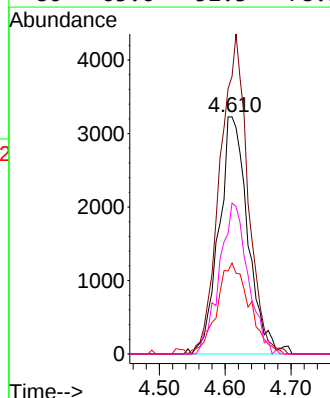
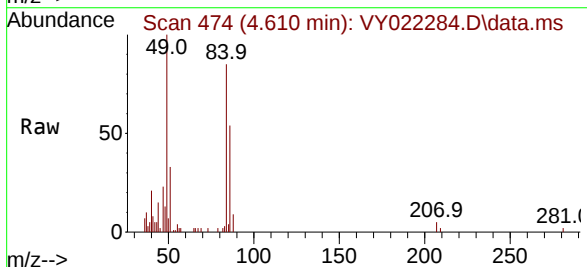
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-27-050725

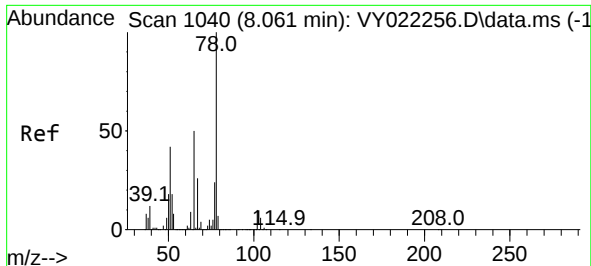
Tgt Ion:168 Resp: 290740
Ion Ratio Lower Upper
168 100
99 58.2 44.2 66.4



#20
Methylene Chloride
Concen: 2.555 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

Tgt Ion: 84 Resp: 9836
Ion Ratio Lower Upper
84 100
49 117.1 109.6 164.4
51 36.8 32.4 48.6
86 63.6 52.3 78.5





#33

1,2-Dichloroethane-d4

Concen: 49.095 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022284.D

Acq: 16 May 2025 12:29

Instrument :

MSVOA_Y

ClientSampleId :

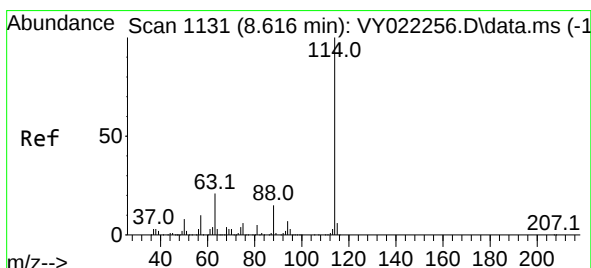
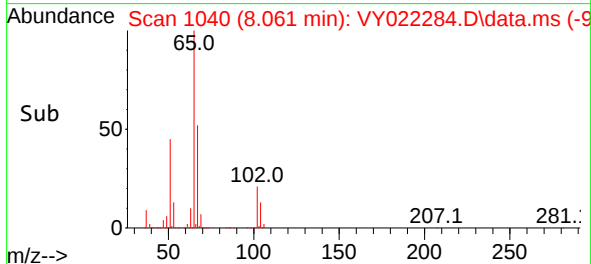
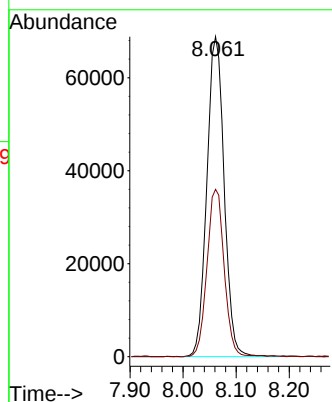
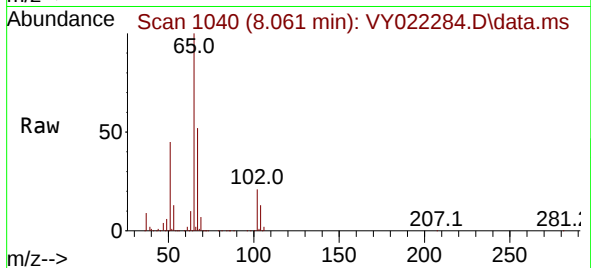
OU4-TS-27-050725

Tgt Ion: 65 Resp: 156001

Ion Ratio Lower Upper

65 100

67 52.0 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: VY022284.D

Acq: 16 May 2025 12:29

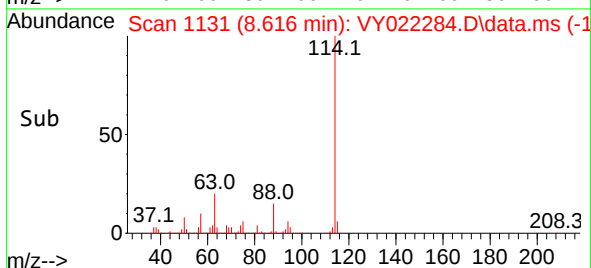
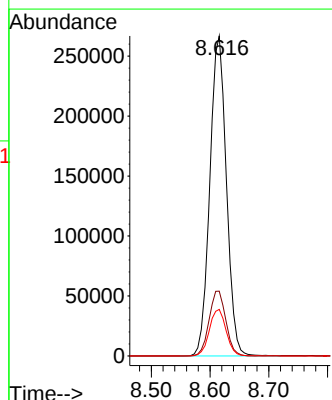
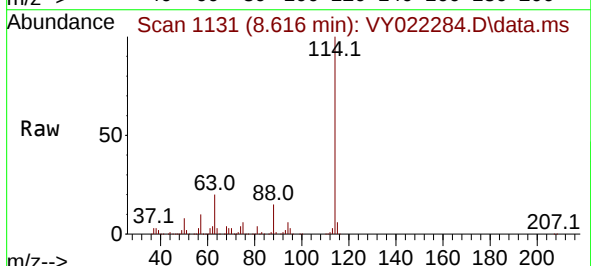
Tgt Ion: 114 Resp: 521620

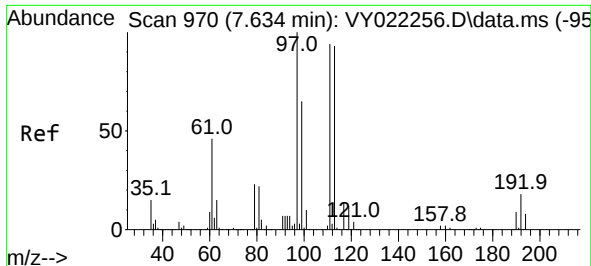
Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.0

88 14.6 0.0 29.4

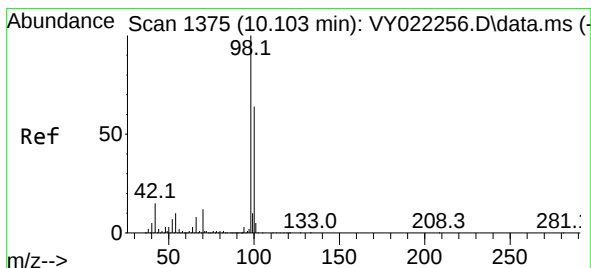
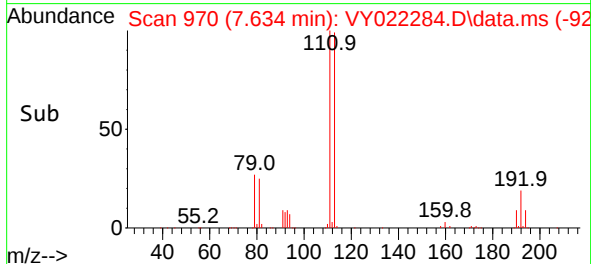
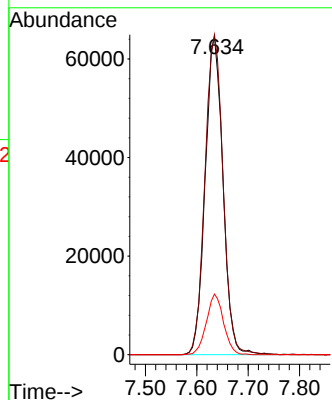
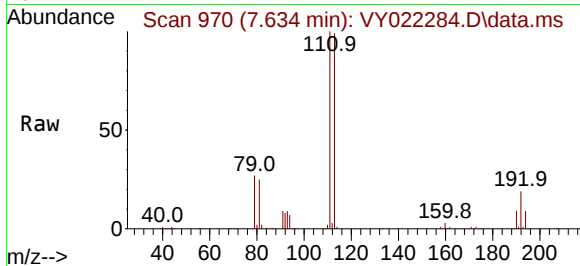




#35
Dibromofluoromethane
Concen: 49.778 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

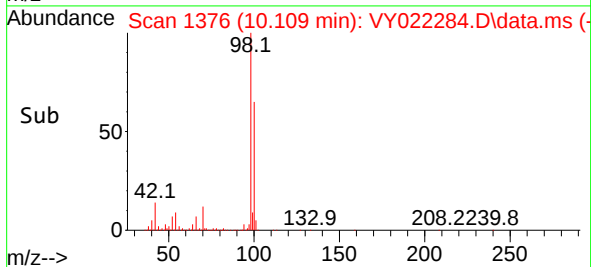
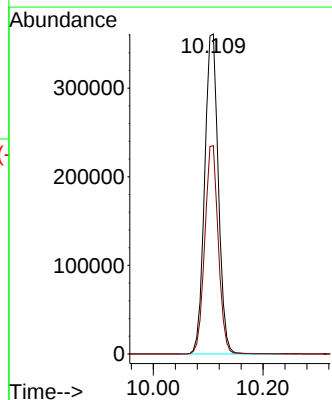
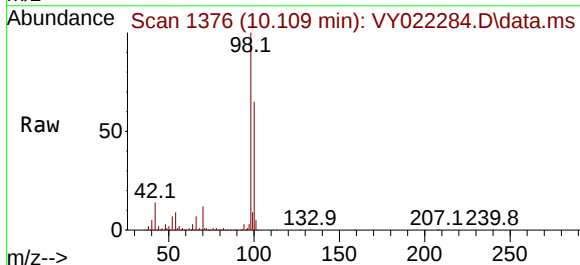
Instrument :
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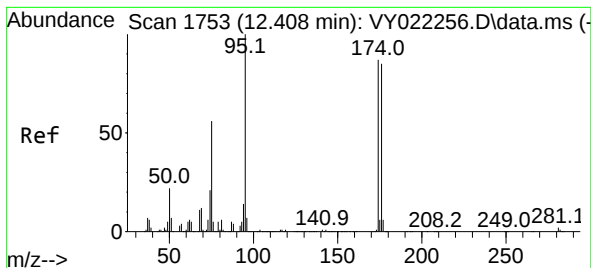
Tgt Ion:113 Resp: 154975
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 18.4 15.2 22.8



#50
Toluene-d8
Concen: 48.941 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

Tgt Ion: 98 Resp: 624035
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8

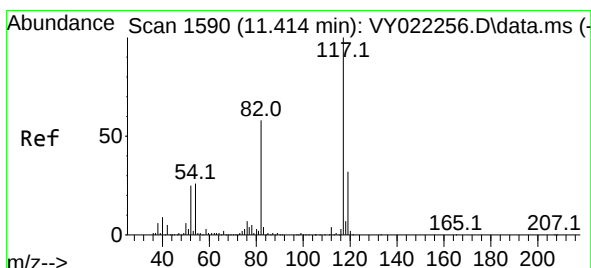
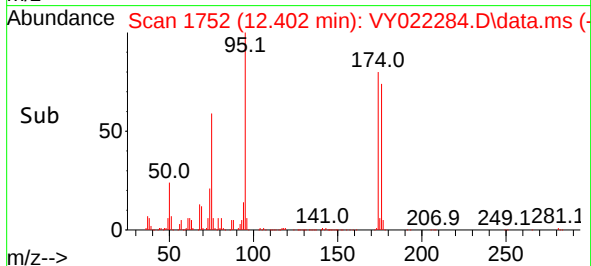
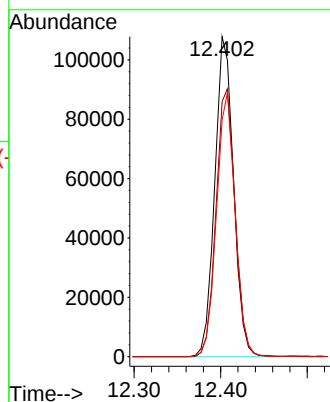
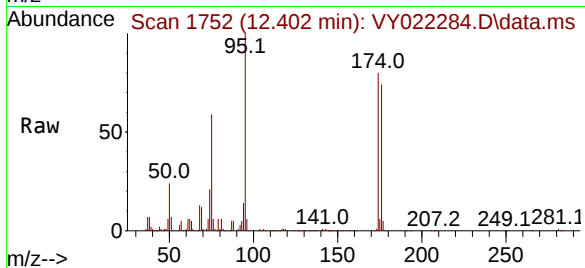




#62
4-Bromofluorobenzene
Concen: 40.152 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

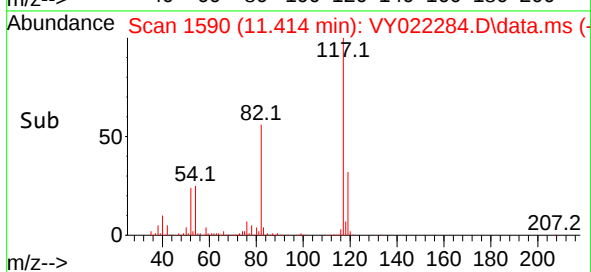
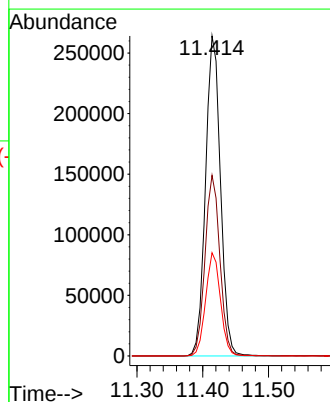
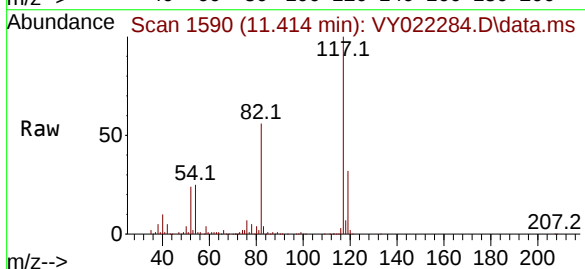
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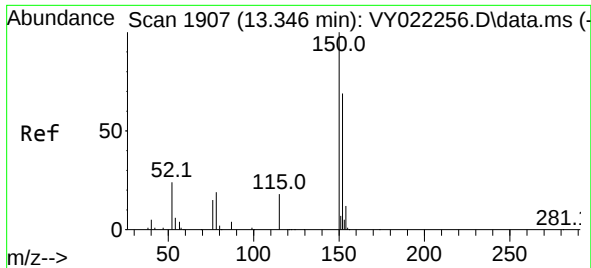
Tgt Ion: 95 Resp: 162278
Ion Ratio Lower Upper
95 100
174 85.4 0.0 166.8
176 82.0 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

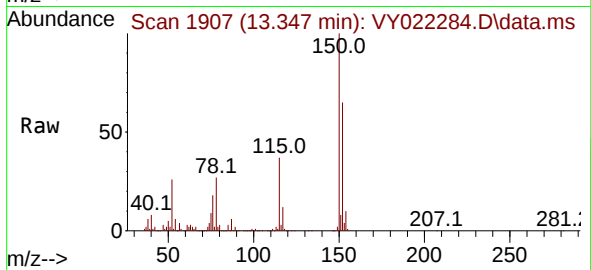
Tgt Ion: 117 Resp: 417665
Ion Ratio Lower Upper
117 100
82 56.4 46.6 70.0
119 32.2 25.8 38.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022284.D
 Acq: 16 May 2025 12:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-27-050725



Tgt Ion:152 Resp: 152557

Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.4	88.2
150	157.4	0.0	353.8

