

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022265.D
 Acq On : 15 May 2025 15:35
 Operator : SY/MD
 Sample : Q1984-03
 Misc : 5.65g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-34-050725

Quant Time: May 16 01:56:33 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)

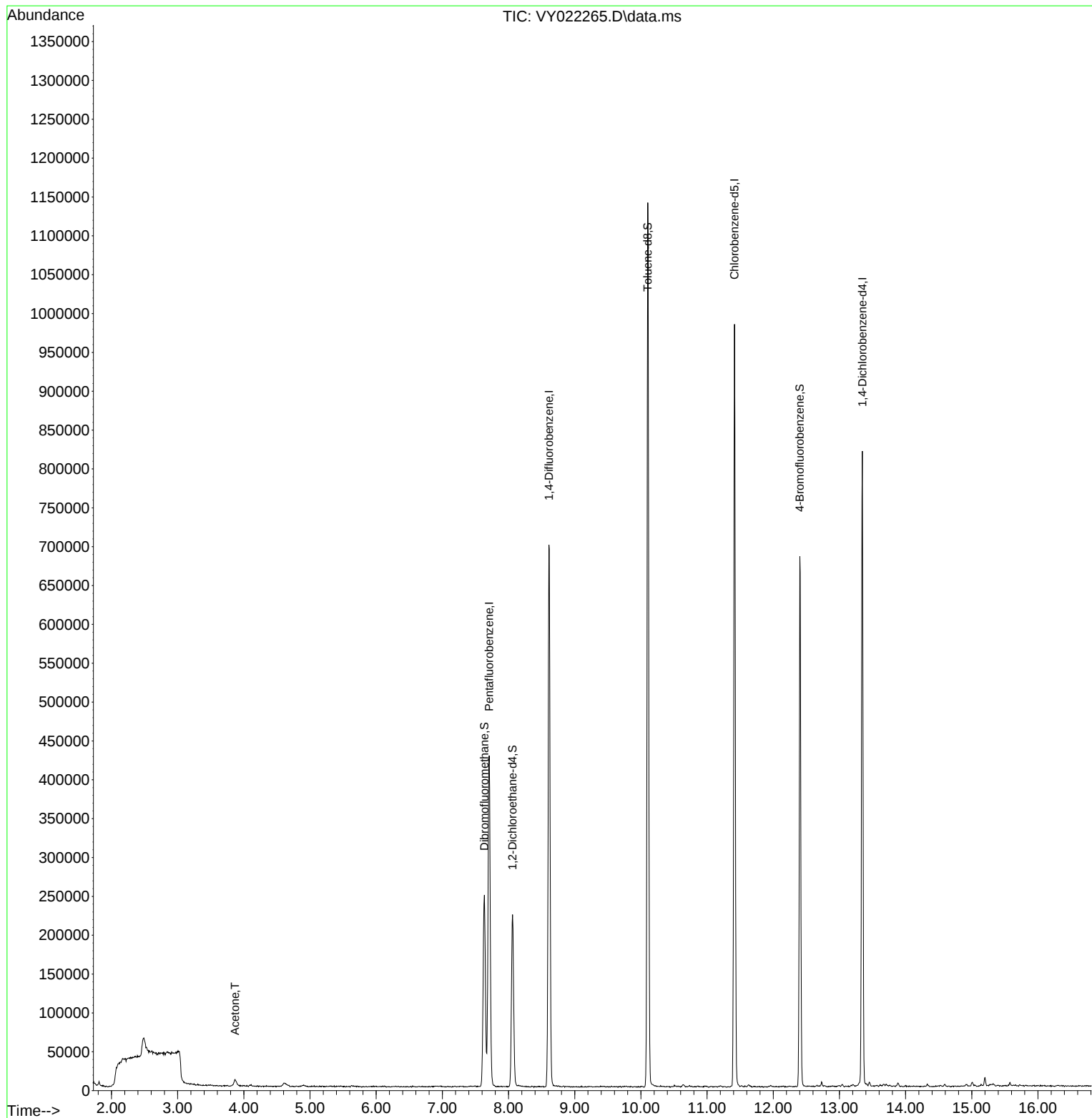
Internal Standards						
1) Pentafluorobenzene	7.707	168	328781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	578595	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	473987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	170135	47.348	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.700%
35) Dibromofluoromethane	7.634	113	170320	49.320	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.640%
50) Toluene-d8	10.103	98	702946	49.701	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.400%
62) 4-Bromofluorobenzene	12.401	95	194312	43.344	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.680%
Target Compounds						
16) Acetone	3.866	43	15631	23.200	ug/l	Qvalue 97

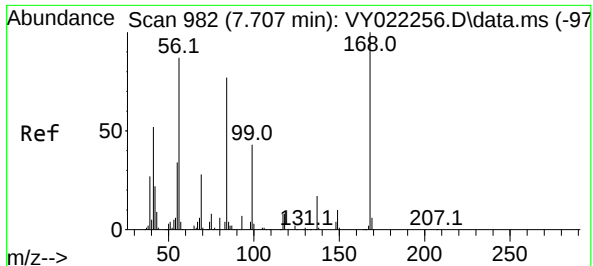
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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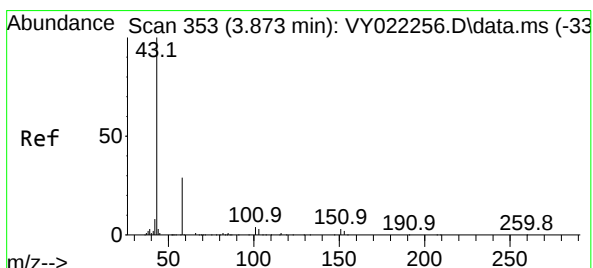
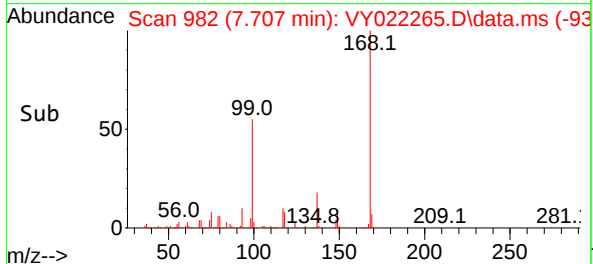
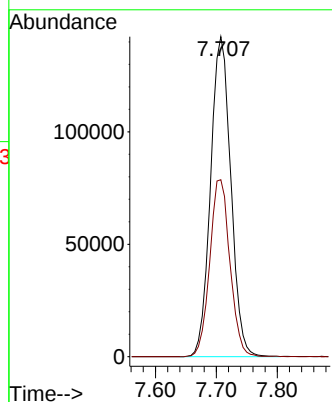
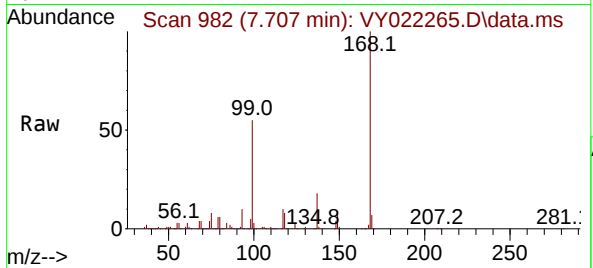




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

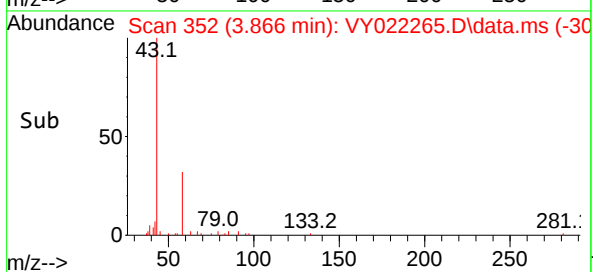
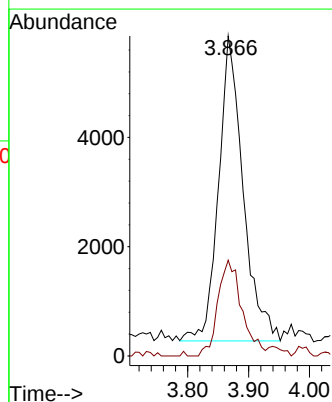
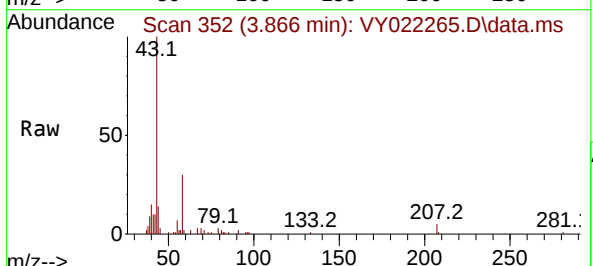
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-34-050725

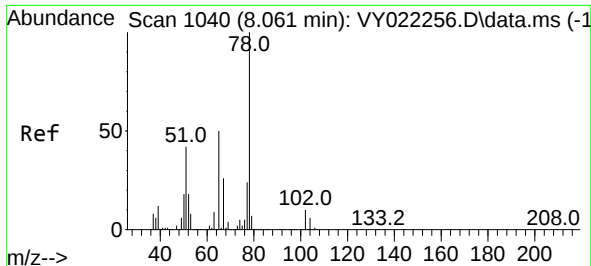
Tgt Ion:168 Resp: 328781
Ion Ratio Lower Upper
168 100
99 55.3 44.2 66.4



#16
Acetone
Concen: 23.200 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

Tgt Ion: 43 Resp: 15631
Ion Ratio Lower Upper
43 100
58 31.4 23.6 35.4





#33

1,2-Dichloroethane-d4

Concen: 47.348 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY022265.D

Acq: 15 May 2025 15:35

Instrument :

MSVOA_Y

ClientSampleId :

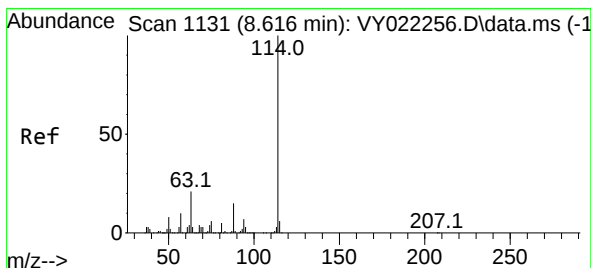
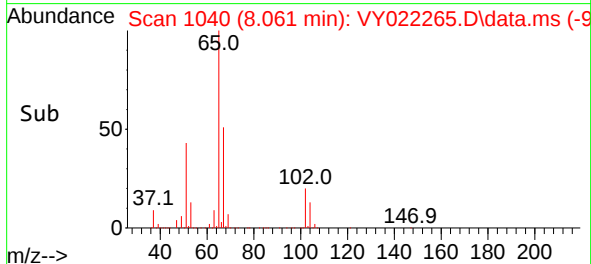
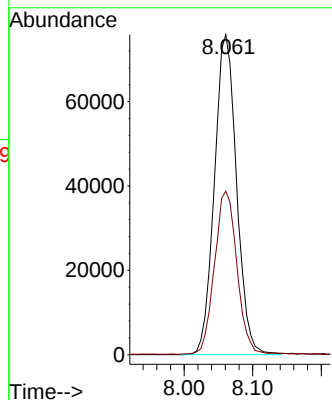
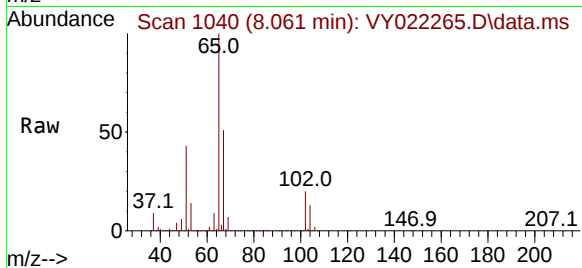
OU4-PCS-TC-34-050725

Tgt Ion: 65 Resp: 170135

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022265.D

Acq: 15 May 2025 15:35

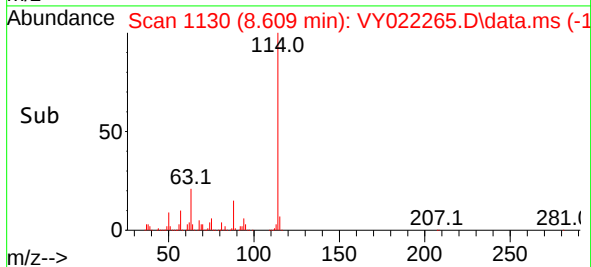
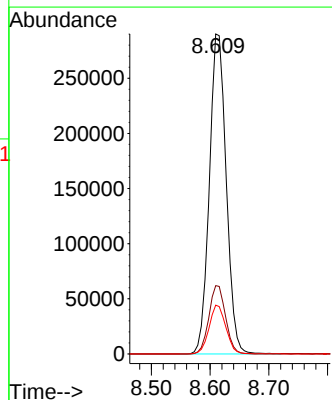
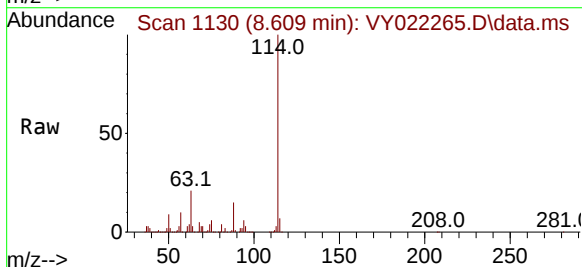
Tgt Ion: 114 Resp: 578595

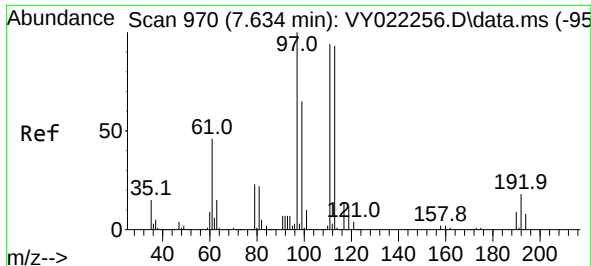
Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.0

88 15.3 0.0 29.4

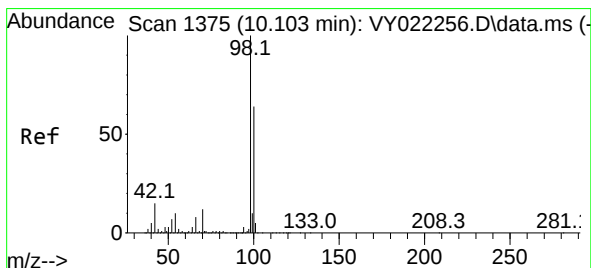
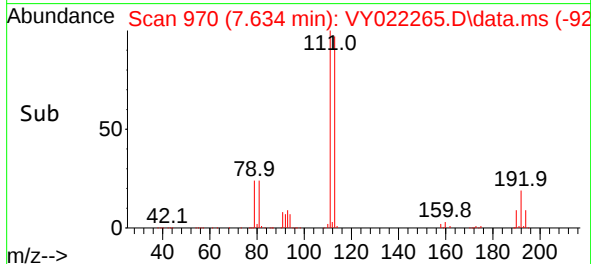
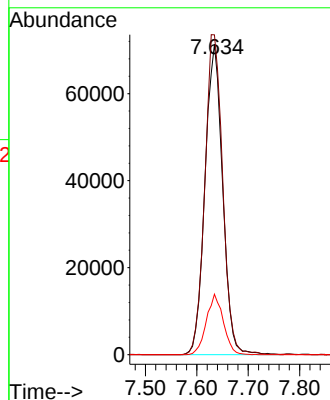
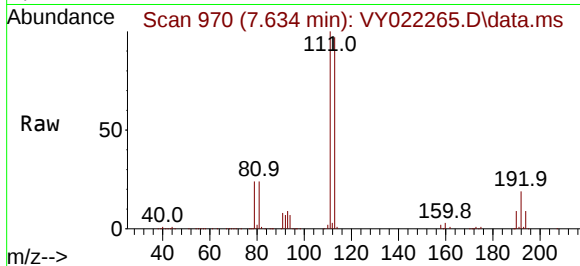




#35
Dibromofluoromethane
Concen: 49.320 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

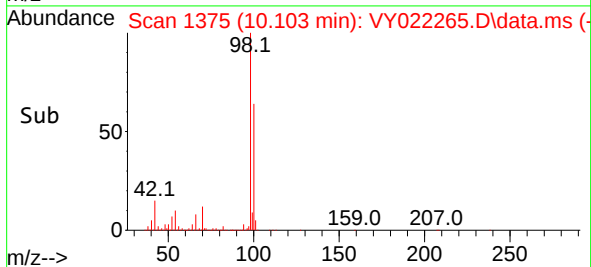
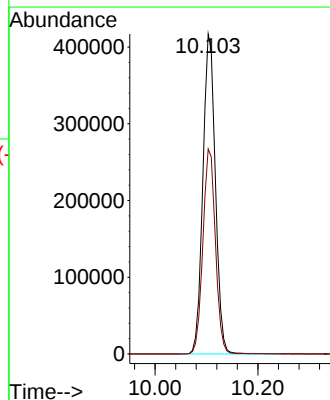
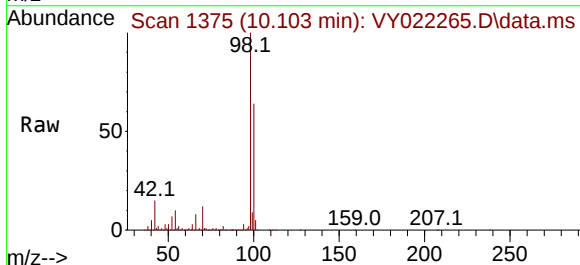
Instrument :
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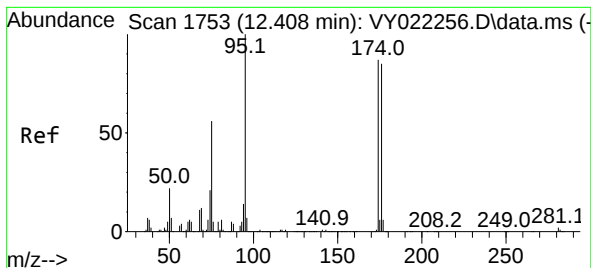
Tgt Ion:113 Resp: 170320
Ion Ratio Lower Upper
113 100
111 104.3 82.6 123.8
192 18.8 15.2 22.8



#50
Toluene-d8
Concen: 49.701 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

Tgt Ion: 98 Resp: 702946
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.8

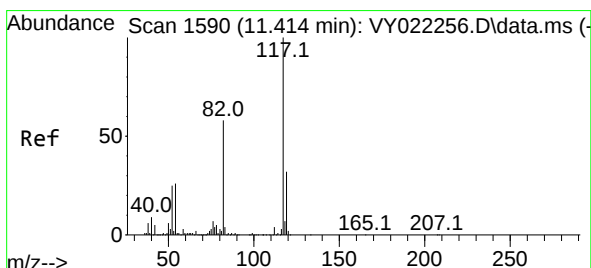
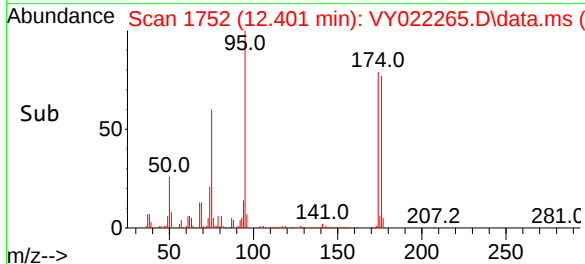
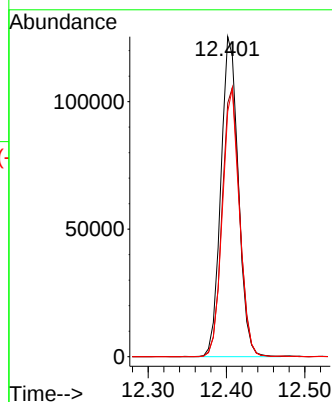
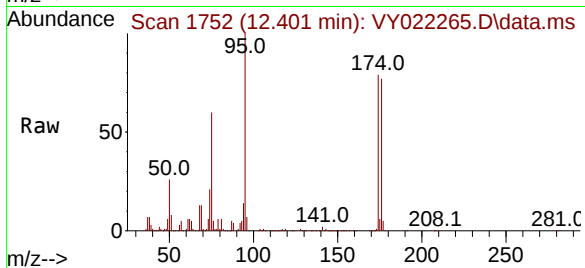




#62
4-Bromofluorobenzene
Concen: 43.344 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

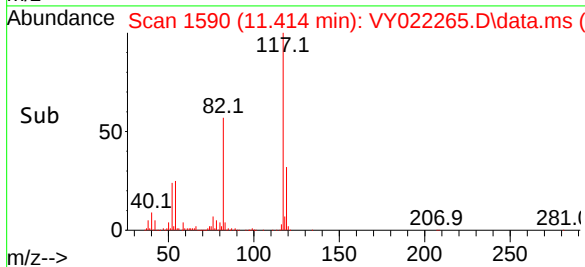
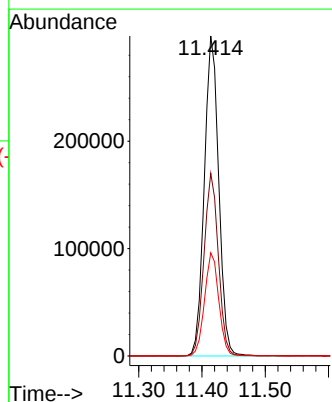
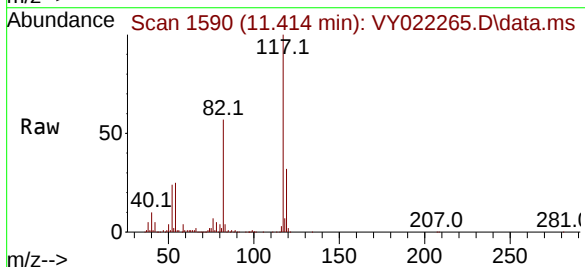
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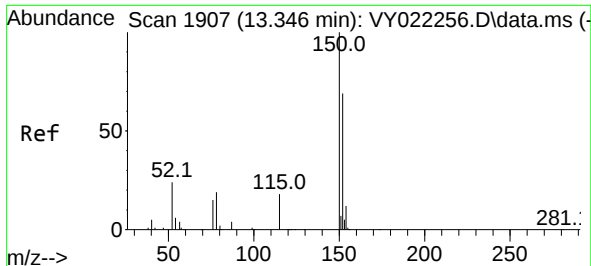
Tgt Ion: 95 Resp: 194312
Ion Ratio Lower Upper
95 100
174 84.5 0.0 166.8
176 81.9 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

Tgt Ion: 117 Resp: 473987
Ion Ratio Lower Upper
117 100
82 57.1 46.6 70.0
119 32.2 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: VY022265.D

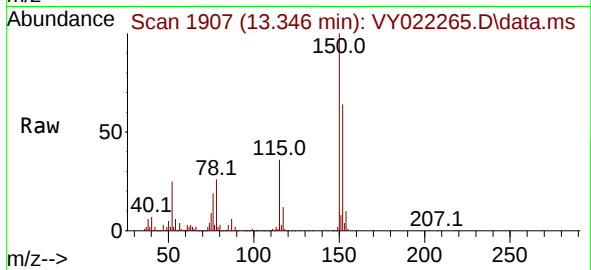
Acq: 15 May 2025 15:35

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-34-050725



Tgt Ion:152 Resp: 189383

Ion Ratio Lower Upper

152 100

115 58.4 29.4 88.2

150 157.8 0.0 353.8

