

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022394.D
 Acq On : 22 May 2025 14:32
 Operator : SY/MD
 Sample : Q2074-06
 Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-19

Quant Time: May 23 03:38:04 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)

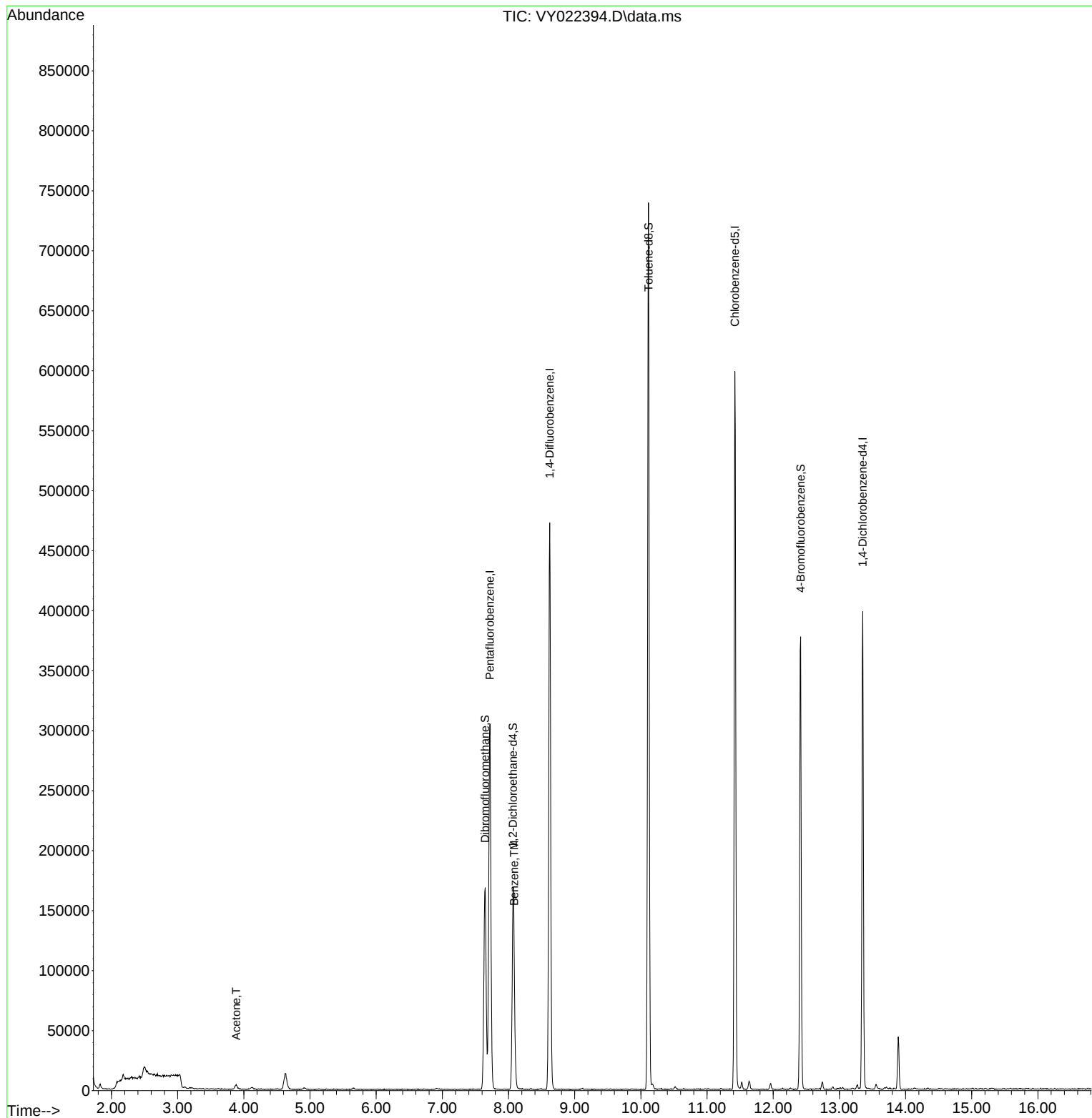
Internal Standards						
1) Pentafluorobenzene	7.719	168	231559	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	398601	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	296277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	94056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	117822	46.557	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.120%
35) Dibromofluoromethane	7.646	113	118230	49.696	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.400%
50) Toluene-d8	10.115	98	467756	48.006	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.020%
62) 4-Bromofluorobenzene	12.414	95	103960	33.661	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	67.320%
Target Compounds						
16) Acetone	3.885	43	6639	13.991	ug/l #	86
40) Benzene	8.085	78	23915	2.059	ug/l	94

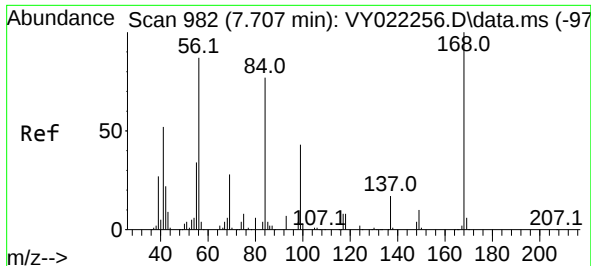
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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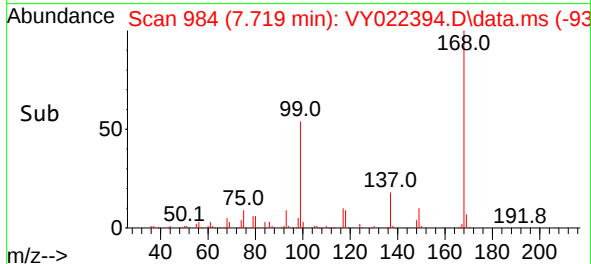
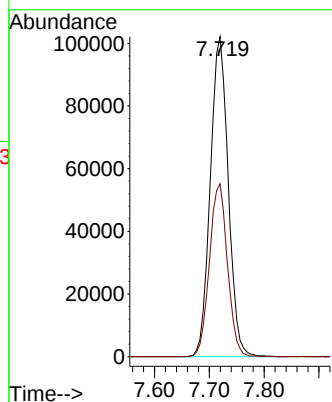
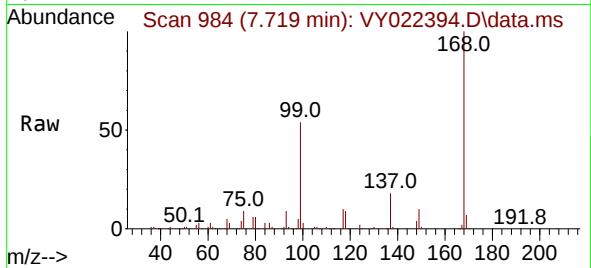




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY022394.D
Acq: 22 May 2025 14:32

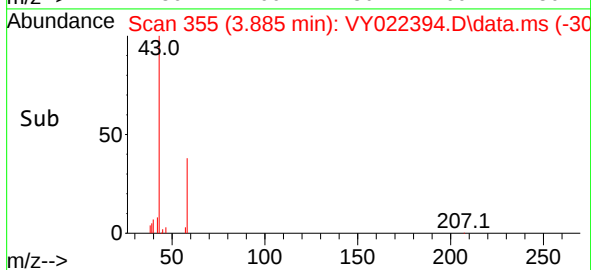
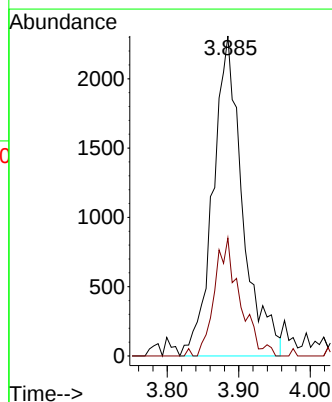
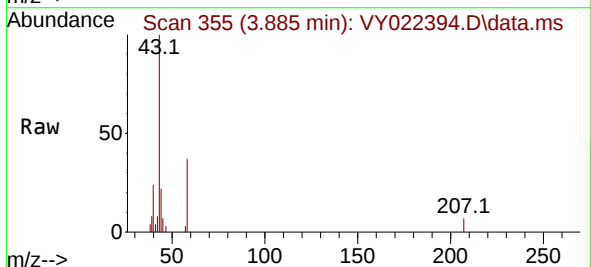
Instrument :
MSVOA_Y
ClientSampleId :
TP-19

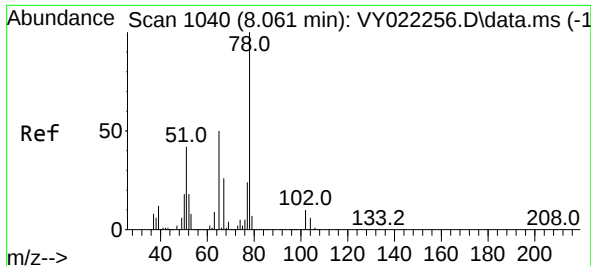
Tgt Ion:168 Resp: 231559
Ion Ratio Lower Upper
168 100
99 54.0 44.2 66.4



#16
Acetone
Concen: 13.991 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY022394.D
Acq: 22 May 2025 14:32

Tgt Ion: 43 Resp: 6639
Ion Ratio Lower Upper
43 100
58 36.9 23.6 35.4#

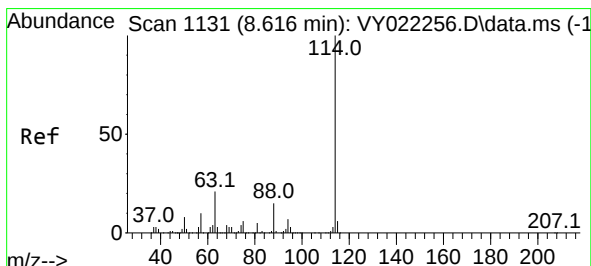
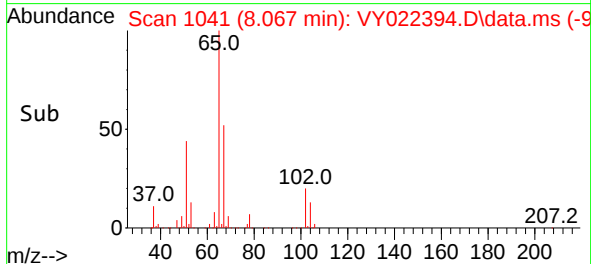
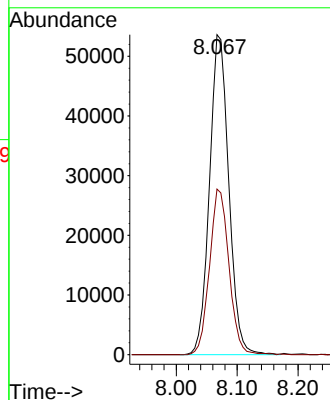
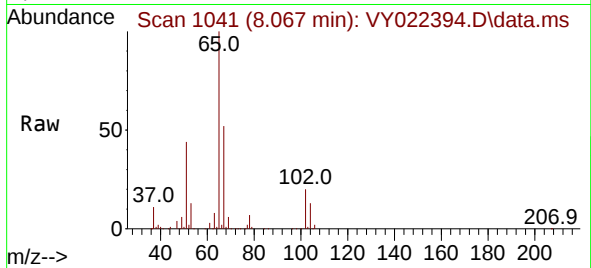




#33
 1,2-Dichloroethane-d4
 Concen: 46.557 ug/l
 RT: 8.067 min Scan# 110
 Delta R.T. 0.006 min
 Lab File: VY022394.D
 Acq: 22 May 2025 14:32

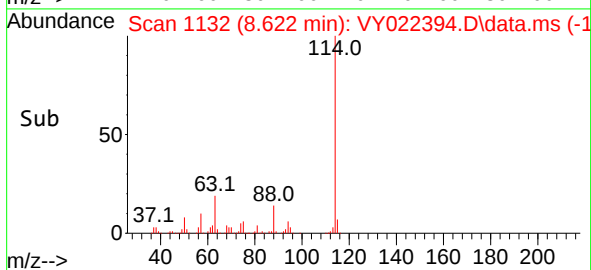
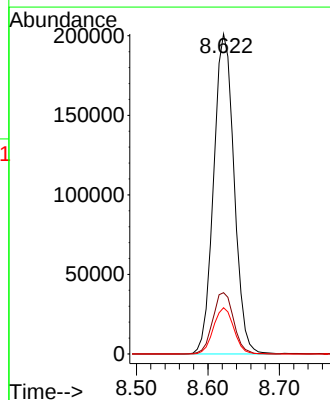
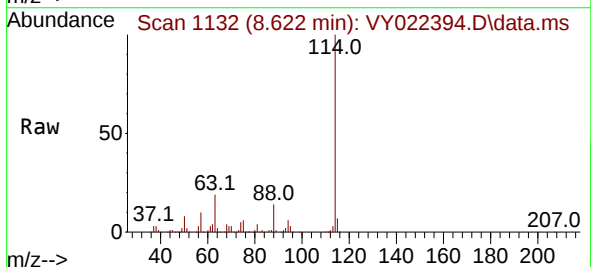
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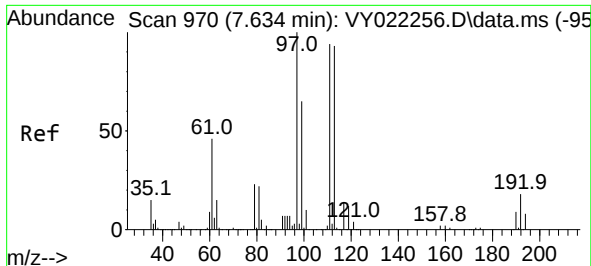
Tgt Ion: 65 Resp: 117822
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.622 min Scan# 1132
 Delta R.T. 0.006 min
 Lab File: VY022394.D
 Acq: 22 May 2025 14:32

Tgt Ion: 114 Resp: 398601
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.0
 88 14.5 0.0 29.4

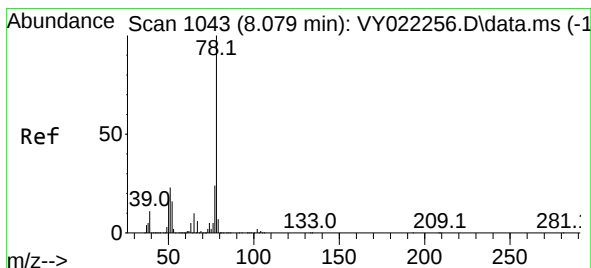
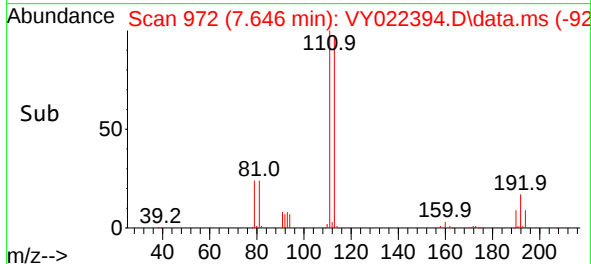
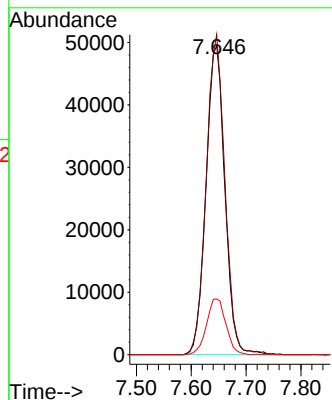
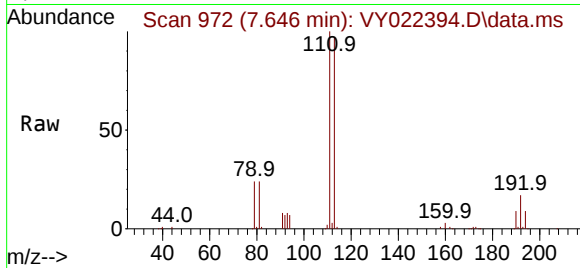




#35
 Dibromofluoromethane
 Concen: 49.696 ug/l
 RT: 7.646 min Scan# 91
 Delta R.T. 0.012 min
 Lab File: VY022394.D
 Acq: 22 May 2025 14:32

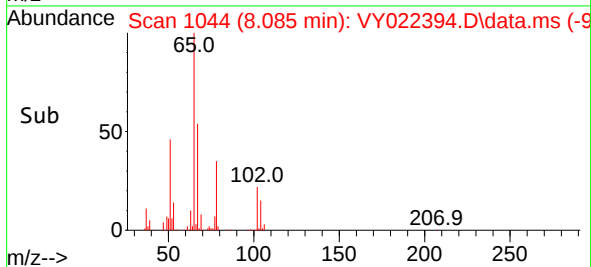
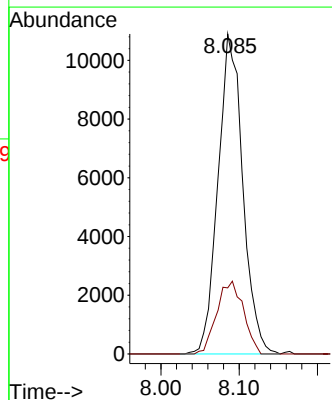
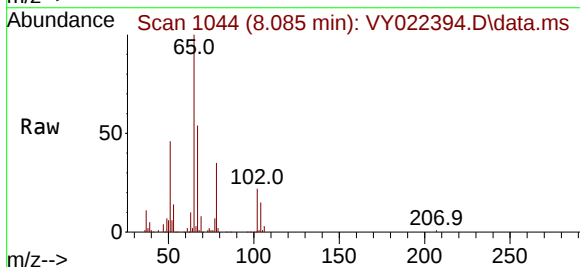
Instrument :
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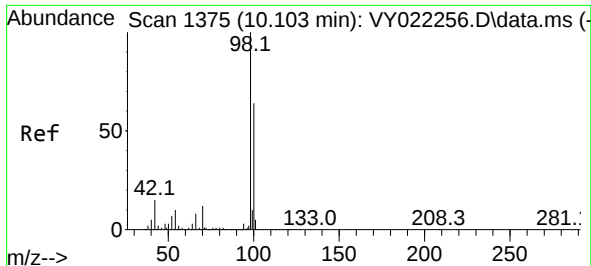
Tgt Ion:113 Resp: 118230
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.6 123.8
 192 18.5 15.2 22.8



#40
 Benzene
 Concen: 2.059 ug/l
 RT: 8.085 min Scan# 1044
 Delta R.T. 0.006 min
 Lab File: VY022394.D
 Acq: 22 May 2025 14:32

Tgt Ion: 78 Resp: 23915
 Ion Ratio Lower Upper
 78 100
 77 20.7 18.9 28.3

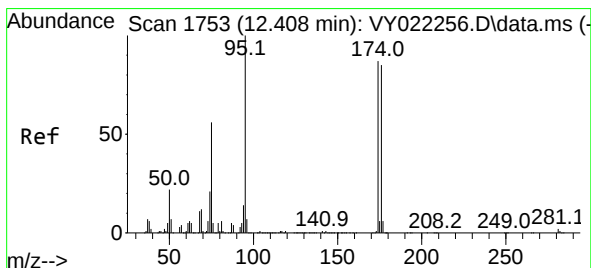
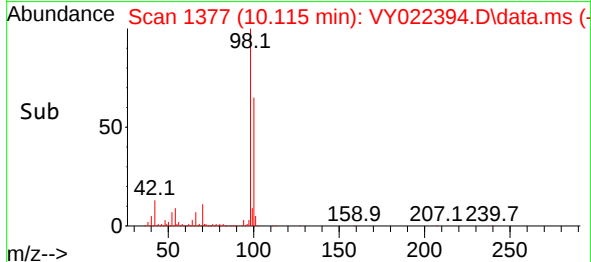
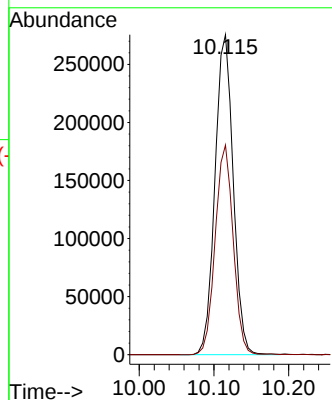
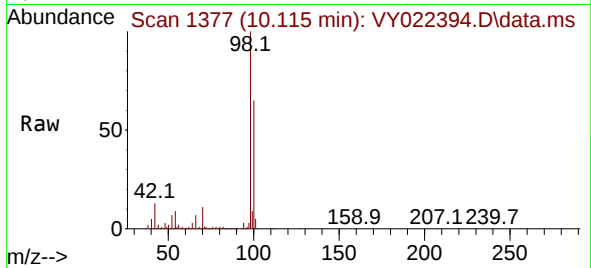




#50
Toluene-d8
Concen: 48.006 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY022394.D
Acq: 22 May 2025 14:32

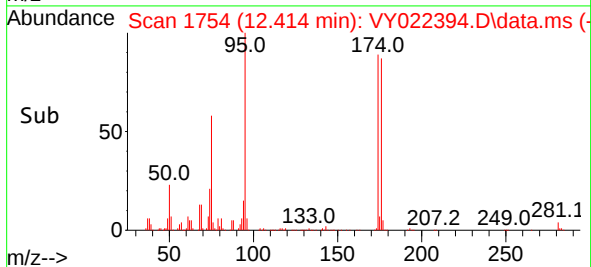
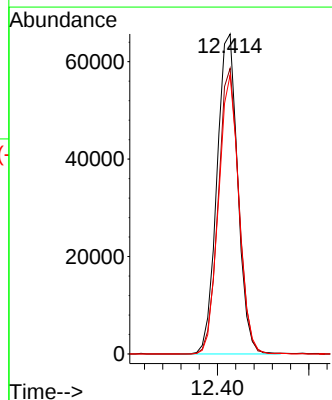
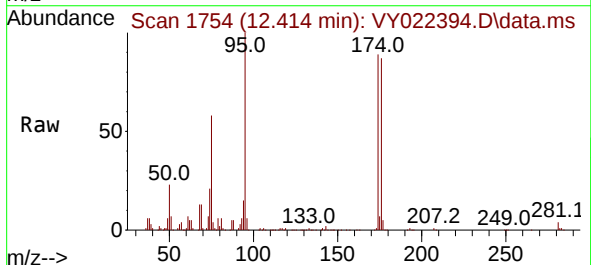
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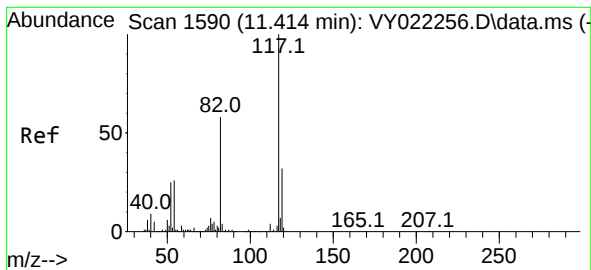
Tgt Ion: 98 Resp: 467756
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 33.661 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022394.D
Acq: 22 May 2025 14:32

Tgt Ion: 95 Resp: 103960
Ion Ratio Lower Upper
95 100
174 88.2 0.0 166.8
176 85.4 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022394.D

Acq: 22 May 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-19

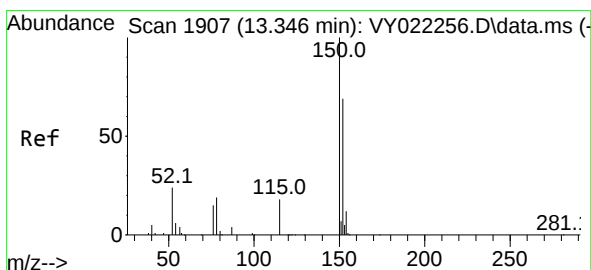
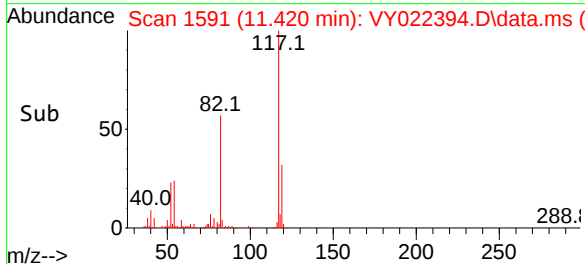
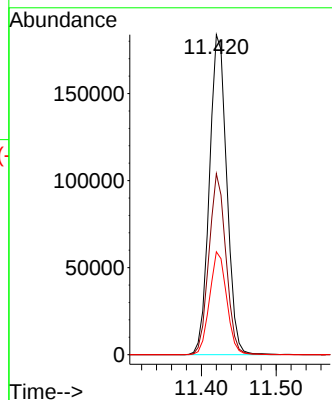
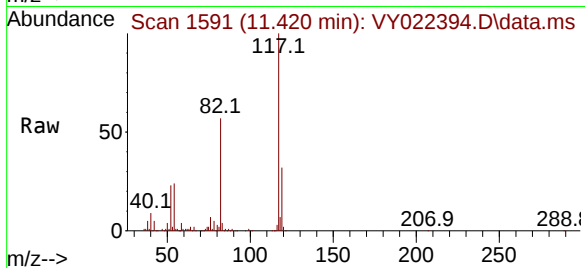
Tgt Ion:117 Resp: 296277

Ion Ratio Lower Upper

117 100

82 56.6 46.6 70.0

119 32.2 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022394.D

Acq: 22 May 2025 14:32

Tgt Ion:152 Resp: 94056

Ion Ratio Lower Upper

152 100

115 56.6 29.4 88.2

150 157.5 0.0 353.8

