

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022506.D
 Acq On : 02 Jun 2025 18:44
 Operator : SY/MD
 Sample : Q2150-02
 Misc : 6.52g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-42

Quant Time: Jun 03 04:09:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

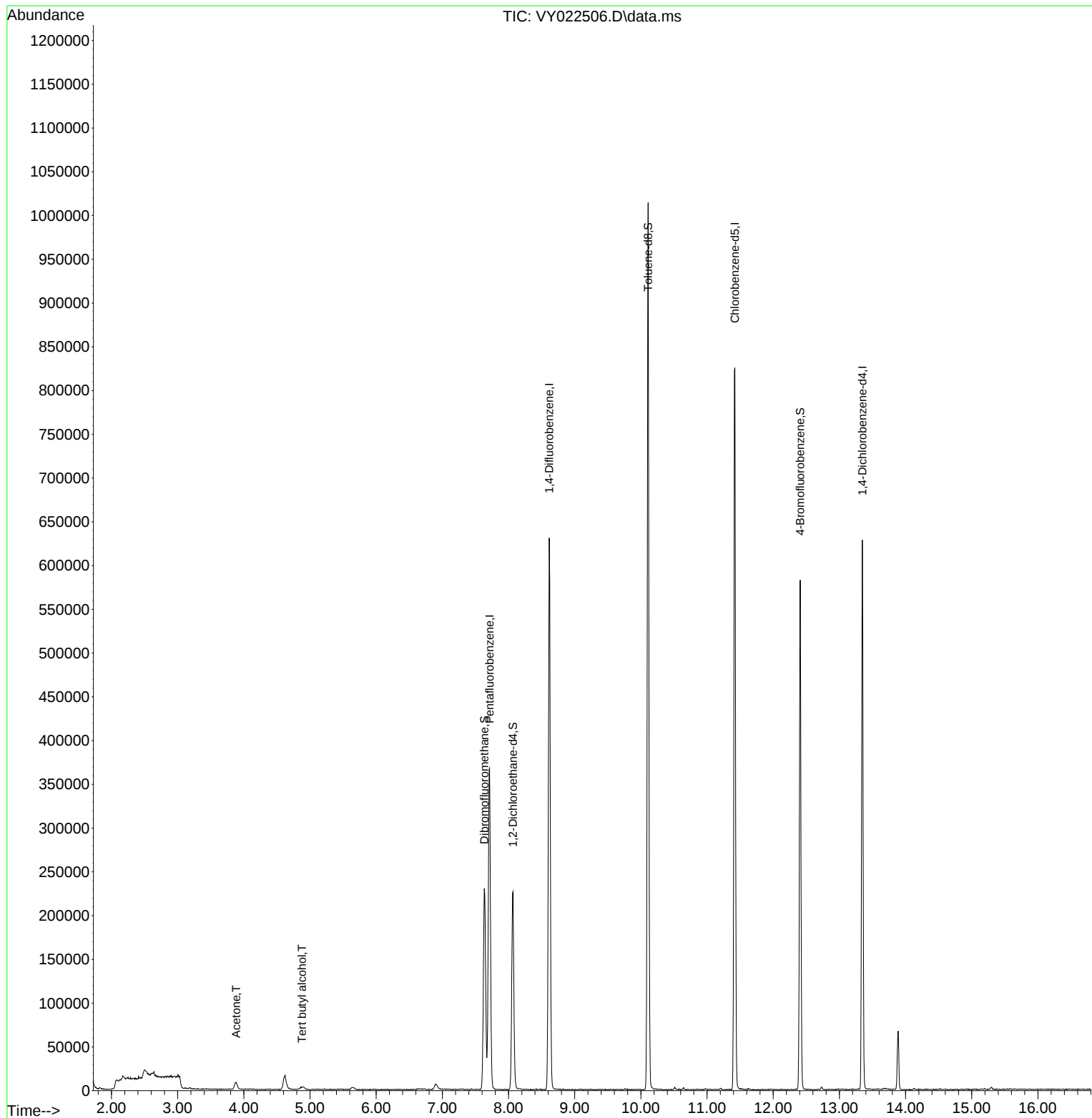
Internal Standards						
1) Pentafluorobenzene	7.713	168	279093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	514728	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	411552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	142944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	170529	54.630	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 109.260%		
35) Dibromofluoromethane	7.634	113	159229	51.827	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 103.660%		
50) Toluene-d8	10.109	98	621468	50.062	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 100.120%		
62) 4-Bromofluorobenzene	12.408	95	154197	41.689	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 83.380%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.878	59	4623	20.736	ug/l	96
16) Acetone	3.885	43	14916	23.529	ug/l	99

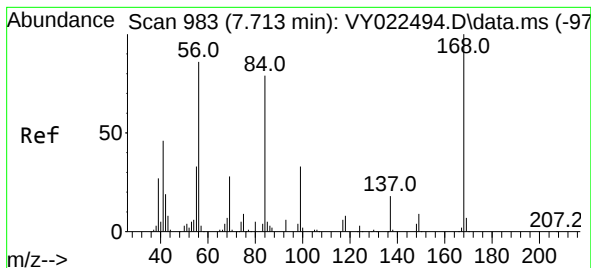
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY022506.D

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Instrument :

MSVOA_Y

ClientSampleId :

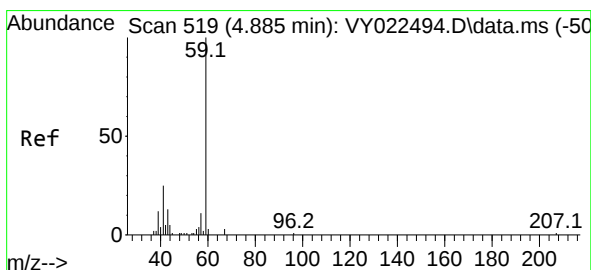
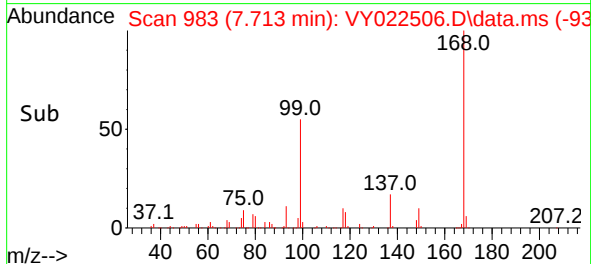
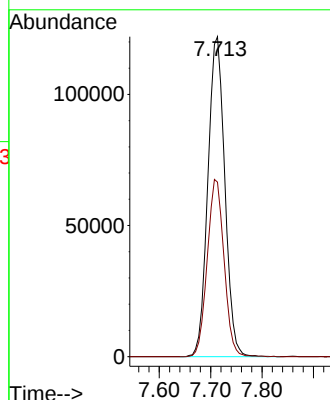
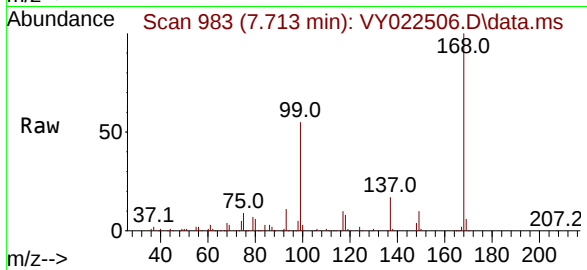
TP-42

Tgt Ion:168 Resp: 279093

Ion Ratio Lower Upper

168 100

99 54.5 44.3 66.5



#11

Tert butyl alcohol

Concen: 20.736 ug/l

RT: 4.878 min Scan# 518

Delta R.T. -0.006 min

Lab File: VY022506.D

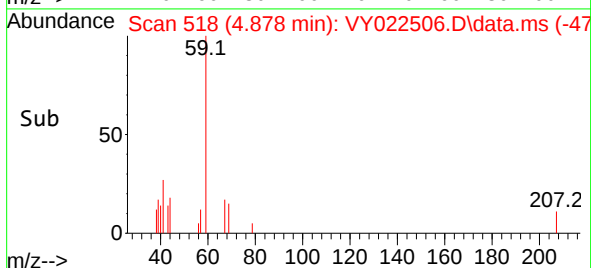
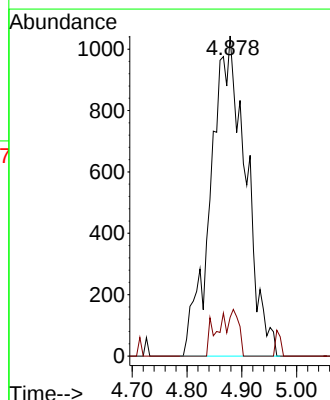
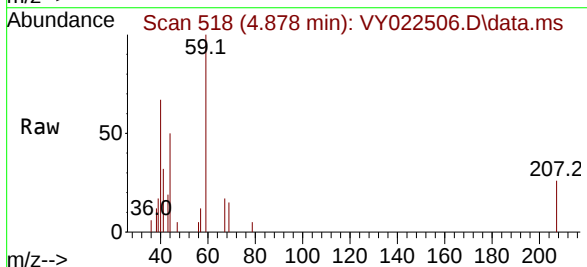
Acq: 02 Jun 2025 18:44

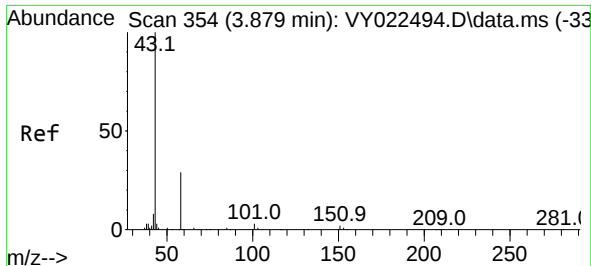
Tgt Ion: 59 Resp: 4623

Ion Ratio Lower Upper

59 100

57 8.4 8.0 12.0

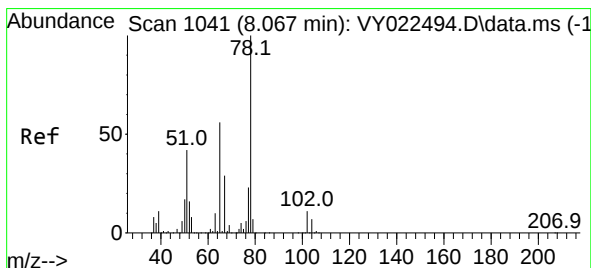
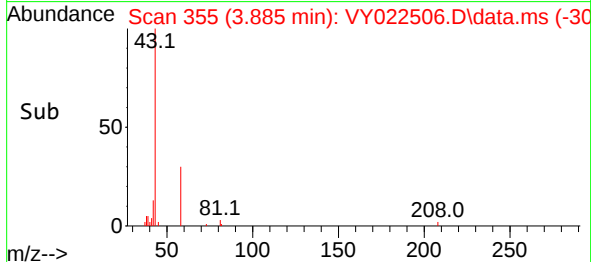
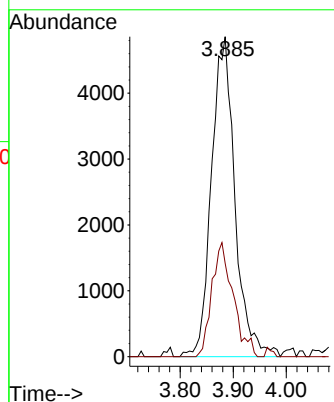
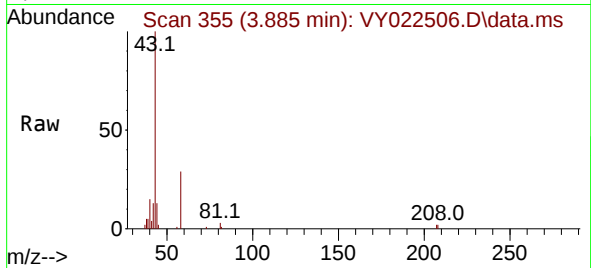




#16
Acetone
Concen: 23.529 ug/l
RT: 3.885 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

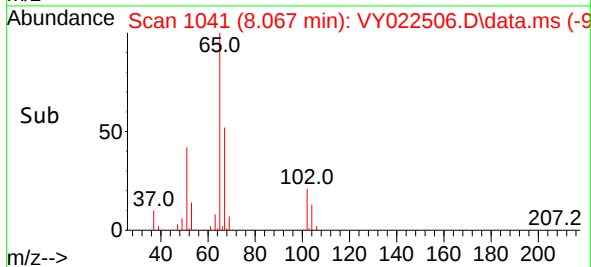
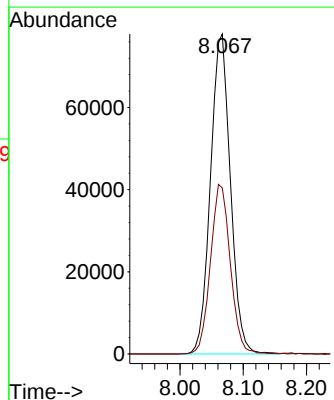
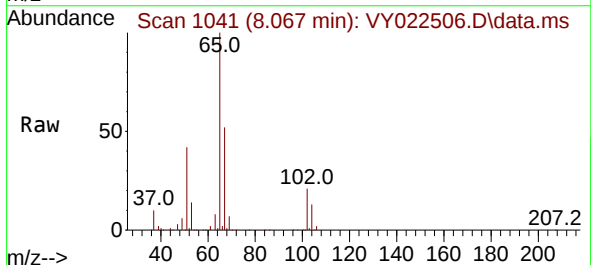
Instrument :
MSVOA_Y
ClientSampleId :
TP-42

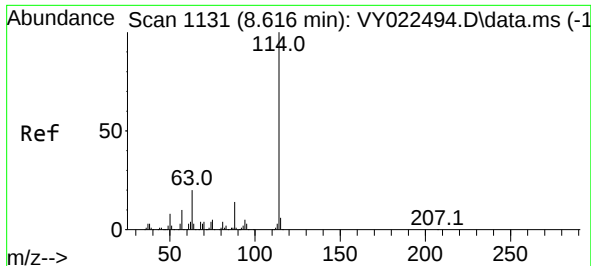
Tgt Ion: 43 Resp: 14916
Ion Ratio Lower Upper
43 100
58 29.2 24.0 36.0



#33
1,2-Dichloroethane-d4
Concen: 54.630 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

Tgt Ion: 65 Resp: 170529
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.4

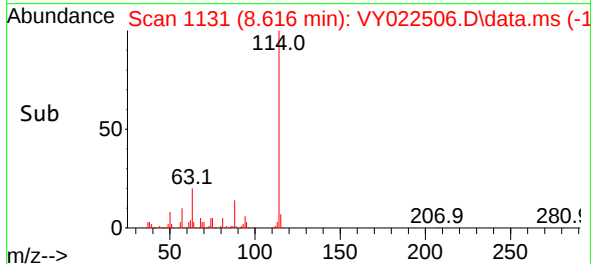
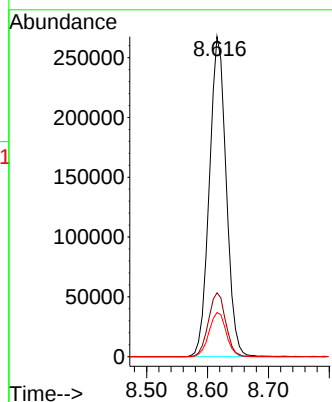
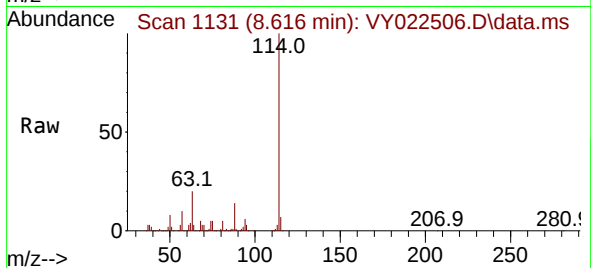




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

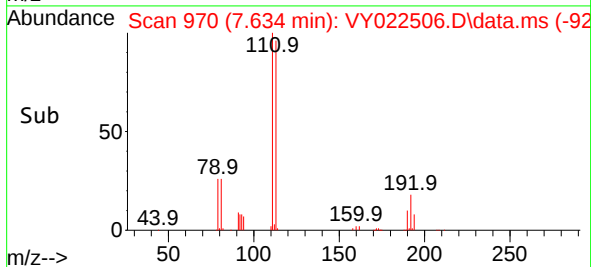
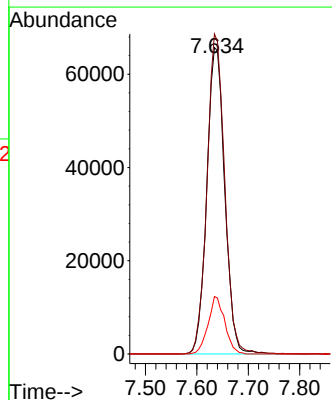
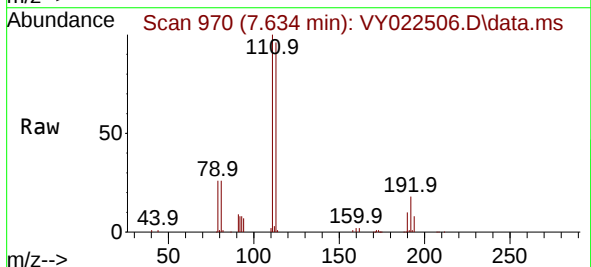
Instrument :
MSVOA_Y
ClientSampleId :
TP-42

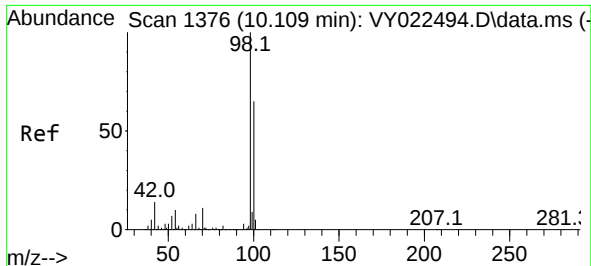
Tgt Ion:114 Resp: 514728
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.8
88 13.8 0.0 27.8



#35
Dibromofluoromethane
Concen: 51.827 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

Tgt Ion:113 Resp: 159229
Ion Ratio Lower Upper
113 100
111 103.0 81.1 121.7
192 17.4 14.2 21.2

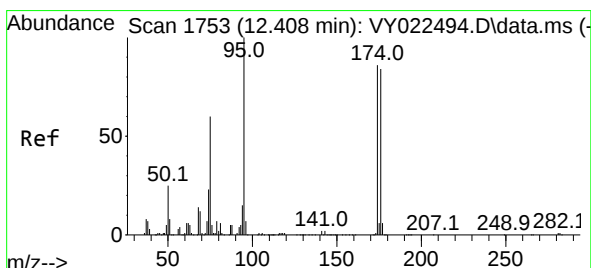
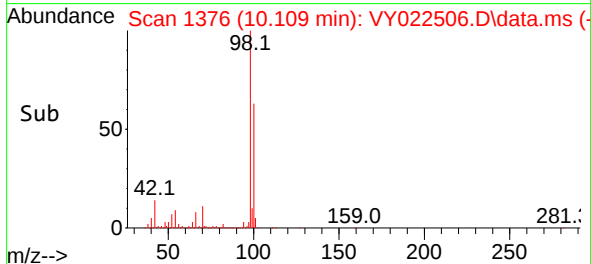
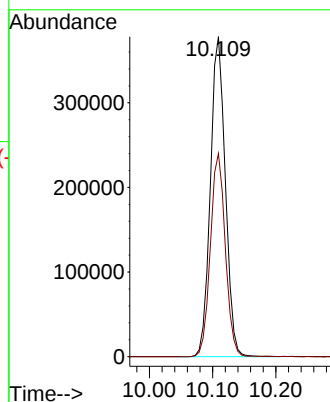
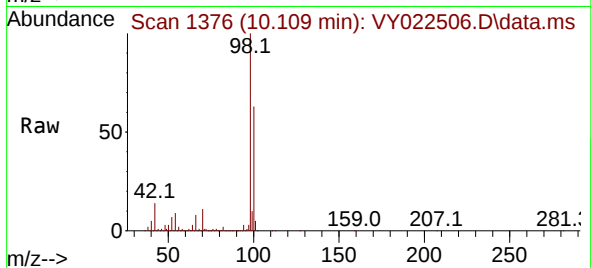




#50
Toluene-d8
Concen: 50.062 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

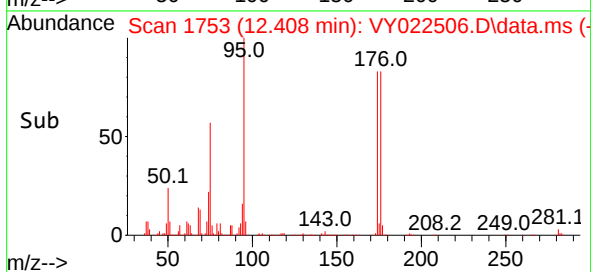
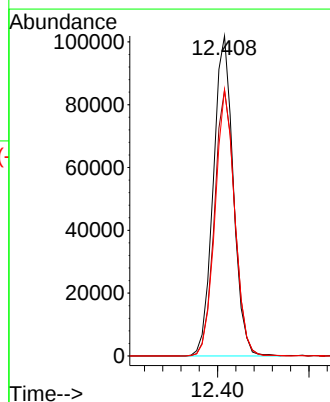
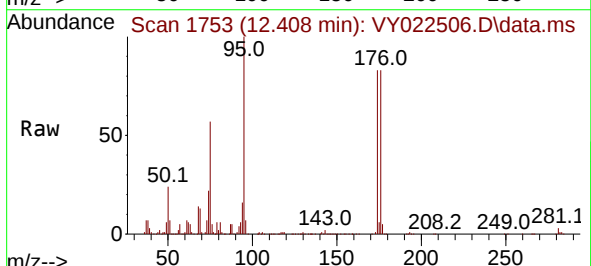
Instrument :
MSVOA_Y
ClientSampleId :
TP-42

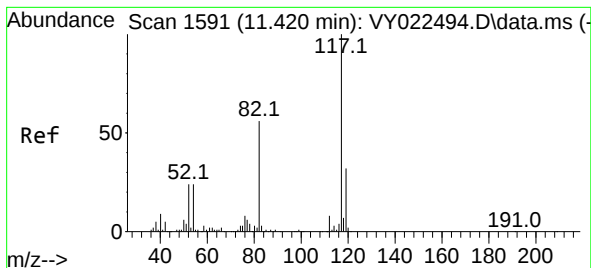
Tgt Ion: 98 Resp: 621468
Ion Ratio Lower Upper
98 100
100 63.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 41.689 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

Tgt Ion: 95 Resp: 154197
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.0
176 82.0 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022506.D

Acq: 02 Jun 2025 18:44

Instrument :

MSVOA_Y

ClientSampleId :

TP-42

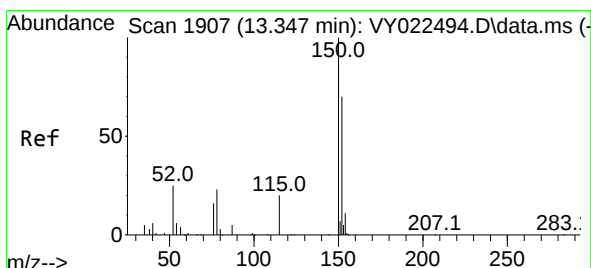
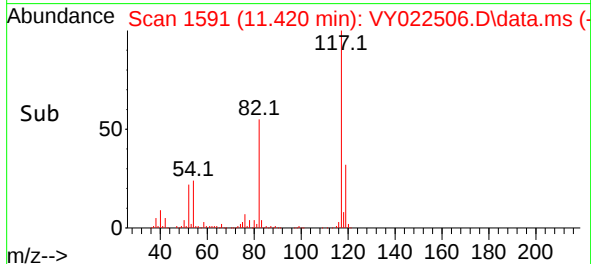
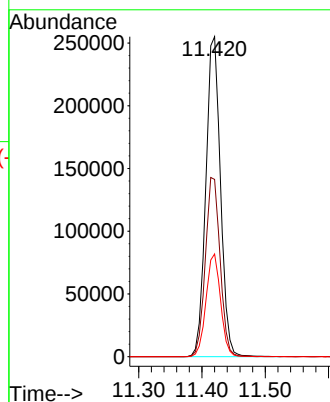
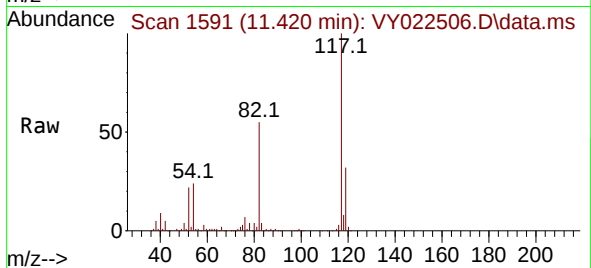
Tgt Ion:117 Resp: 411552

Ion Ratio Lower Upper

117 100

82 55.4 44.6 66.8

119 32.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022506.D

Acq: 02 Jun 2025 18:44

Tgt Ion:152 Resp: 142944

Ion Ratio Lower Upper

152 100

115 57.5 28.9 86.7

150 155.9 0.0 349.6

