

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021738.D
 Acq On : 01 Apr 2025 13:46
 Operator : SY/MD
 Sample : Q1675-12
 Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T6

Quant Time: Apr 02 03:23:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

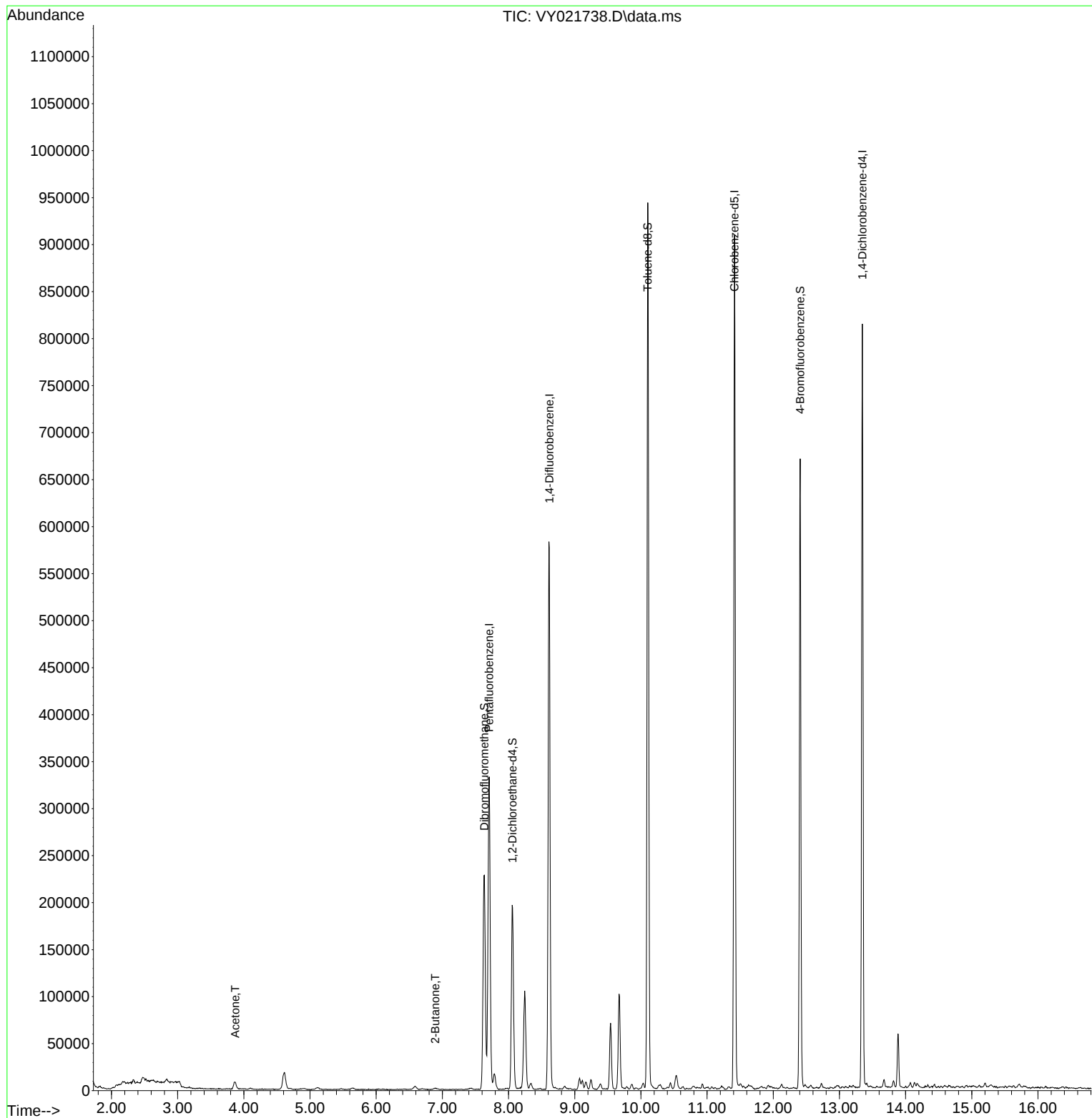
Internal Standards						
1) Pentafluorobenzene	7.707	168	250737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	486743	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	457044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	197804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153980	56.680	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.360%
35) Dibromofluoromethane	7.634	113	160111	50.709	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.420%
50) Toluene-d8	10.103	98	601700	50.093	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.180%
62) 4-Bromofluorobenzene	12.408	95	201813	49.672	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.340%
Target Compounds						
						Qvalue
16) Acetone	3.872	43	12649	22.750	ug/l	95
25) 2-Butanone	6.890	43	1701	2.142	ug/l	99

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

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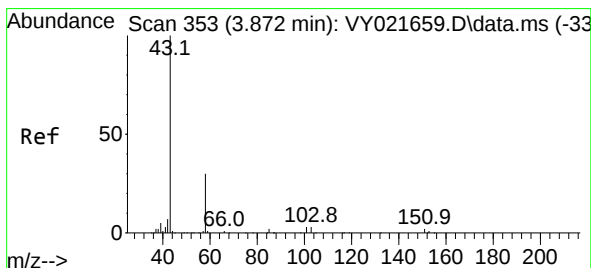
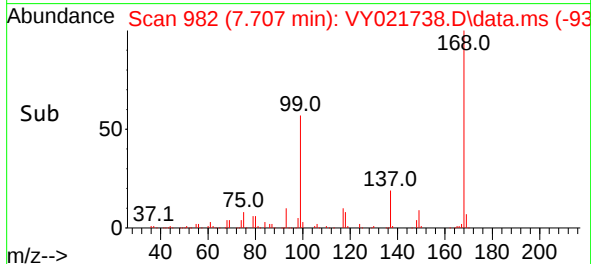
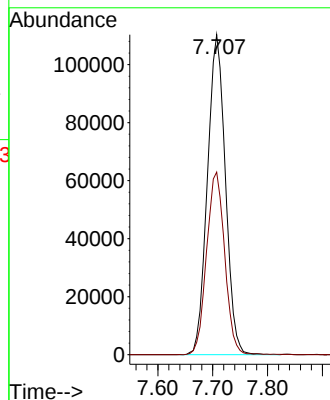
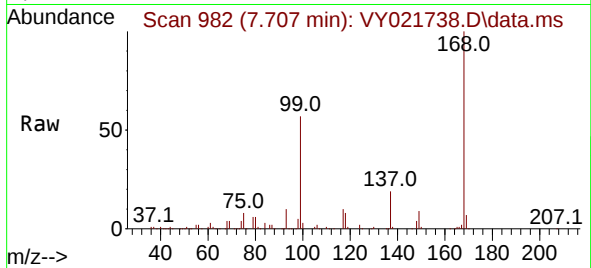




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

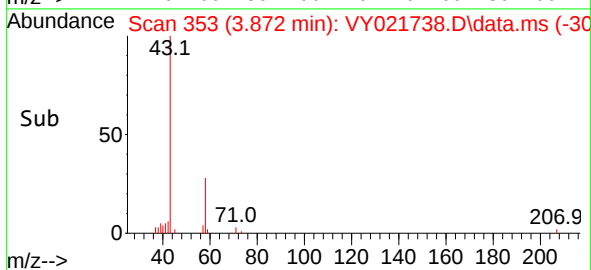
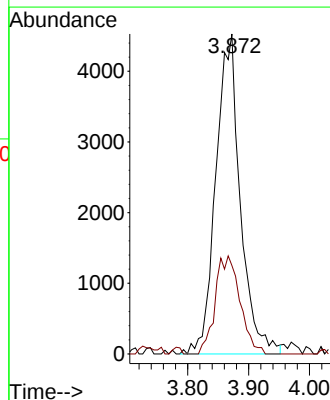
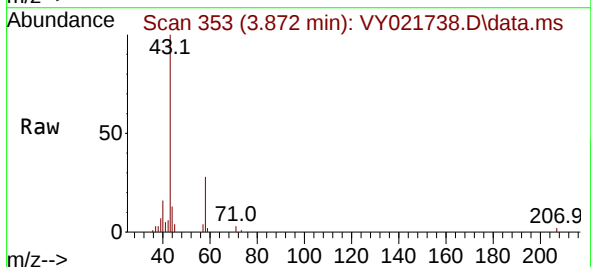
Instrument :
MSVOA_Y
ClientSampleId :
T6

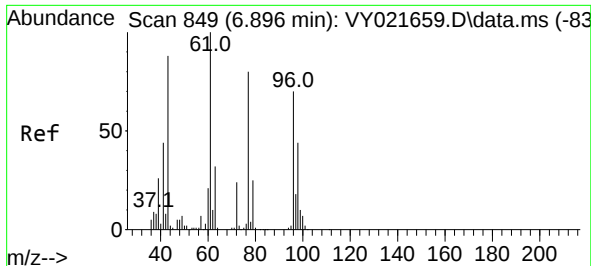
Tgt Ion:168 Resp: 250737
Ion Ratio Lower Upper
168 100
99 57.0 46.7 70.1



#16
Acetone
Concen: 22.750 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Tgt Ion: 43 Resp: 12649
Ion Ratio Lower Upper
43 100
58 27.6 24.2 36.4

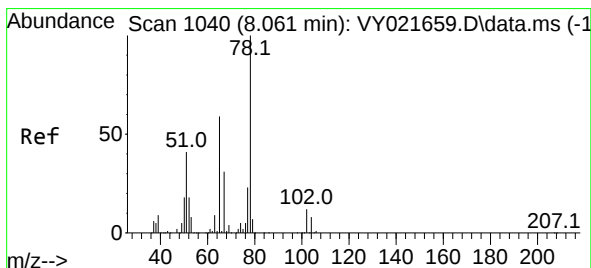
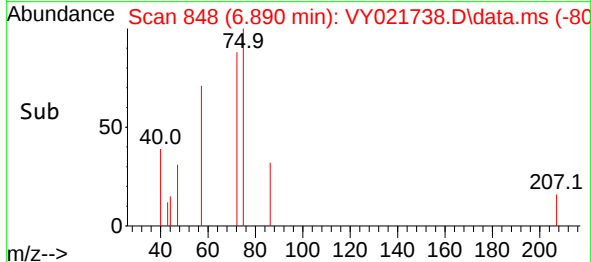
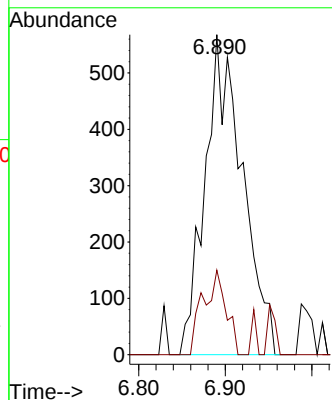
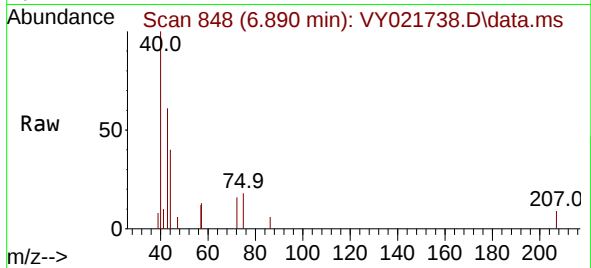




#25
2-Butanone
Concen: 2.142 ug/l
RT: 6.890 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

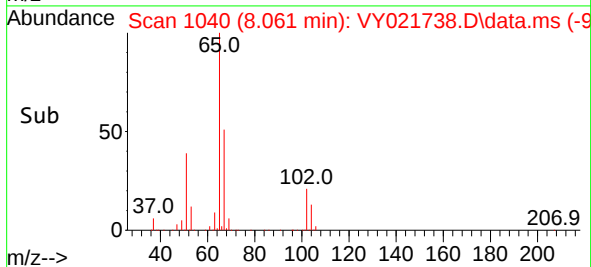
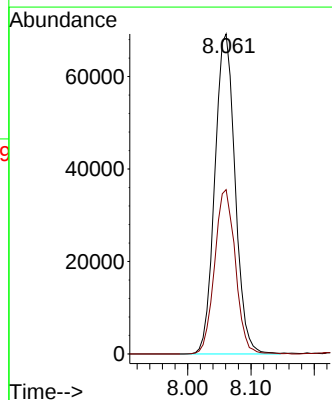
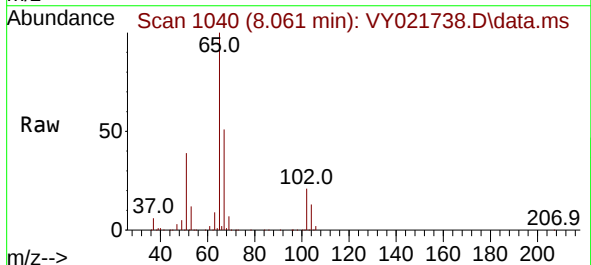
Instrument :
MSVOA_Y
ClientSampleId :
T6

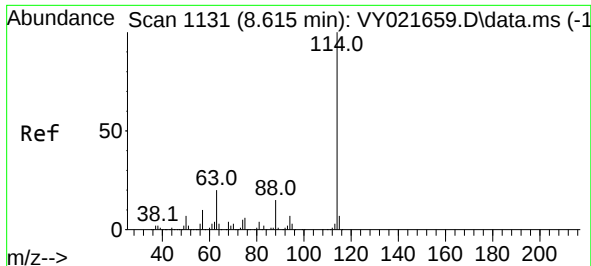
Tgt Ion: 43 Resp: 1701
Ion Ratio Lower Upper
43 100
72 26.4 21.4 32.2



#33
1,2-Dichloroethane-d4
Concen: 56.680 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Tgt Ion: 65 Resp: 153980
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.6

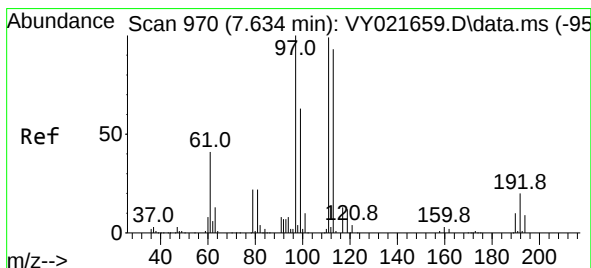
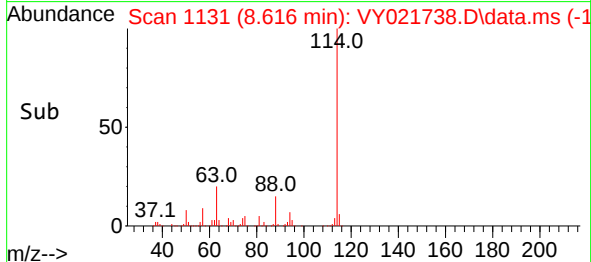
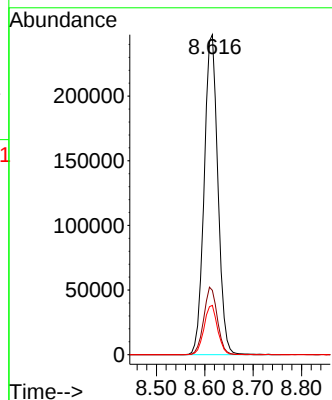
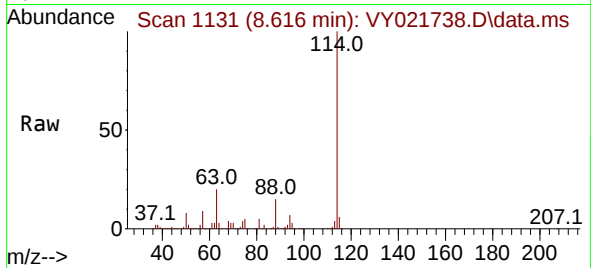




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

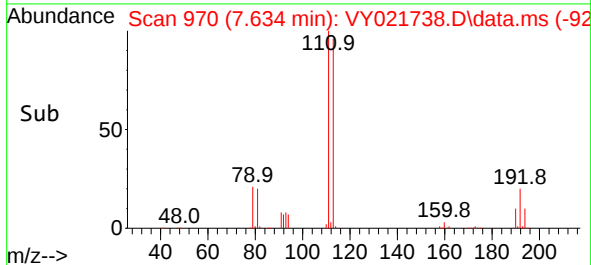
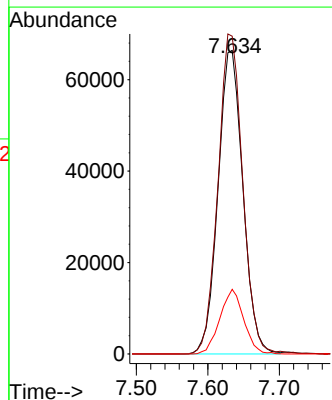
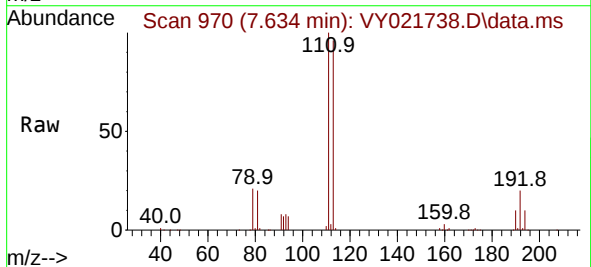
Instrument :
MSVOA_Y
ClientSampleId :
T6

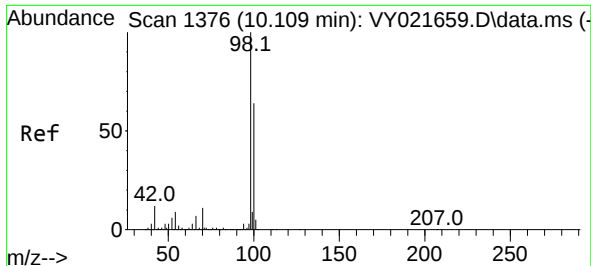
Tgt Ion:114 Resp: 486743
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.2
88 15.4 0.0 29.8



#35
Dibromofluoromethane
Concen: 50.709 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Tgt Ion:113 Resp: 160111
Ion Ratio Lower Upper
113 100
111 105.0 82.6 123.8
192 20.5 16.2 24.4

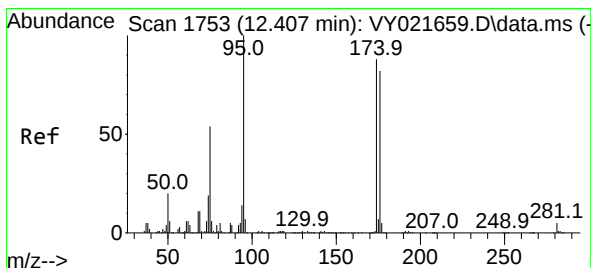
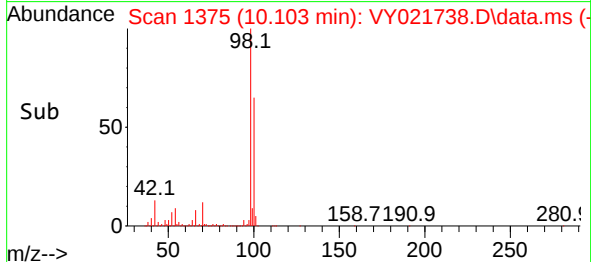
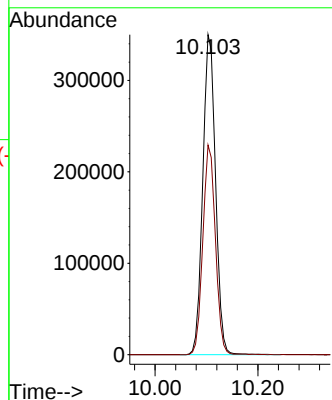
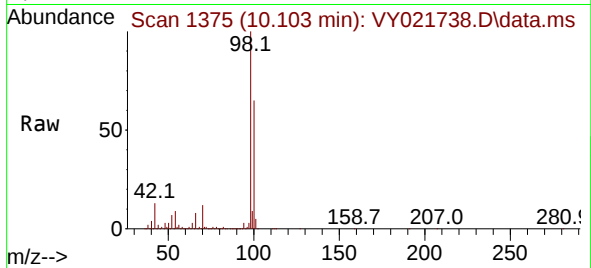




#50
Toluene-d8
Concen: 50.093 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

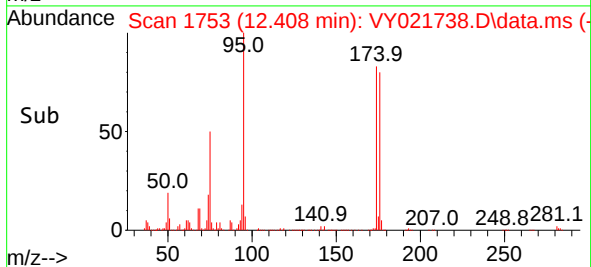
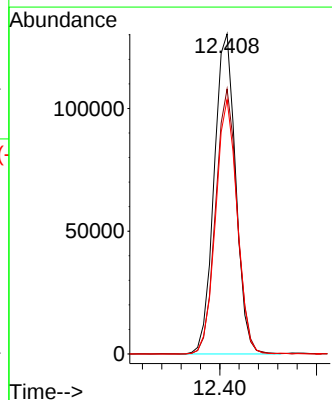
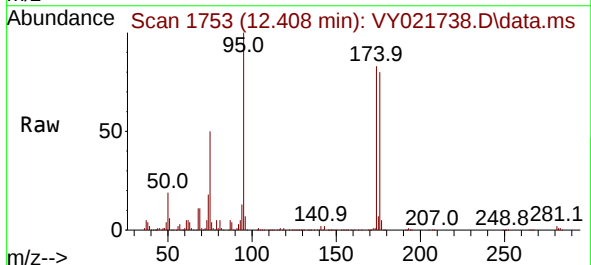
Instrument :
MSVOA_Y
ClientSampleId :
T6

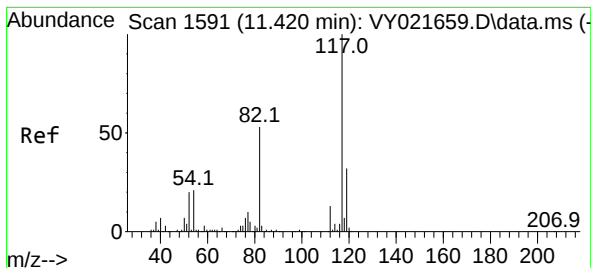
Tgt Ion: 98 Resp: 601700
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 49.672 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Tgt Ion: 95 Resp: 201813
Ion Ratio Lower Upper
95 100
174 82.3 0.0 170.8
176 79.2 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021738.D

Acq: 01 Apr 2025 13:46

Instrument :

MSVOA_Y

ClientSampleId :

T6

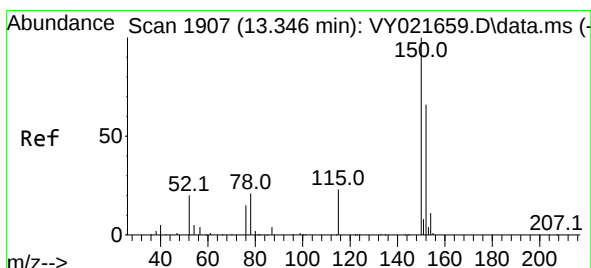
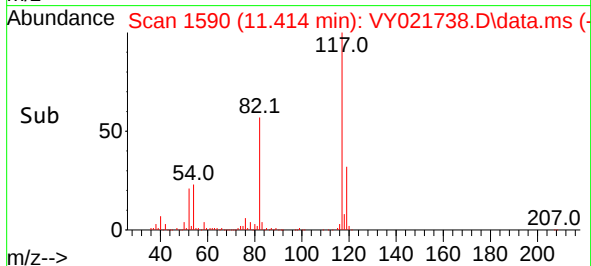
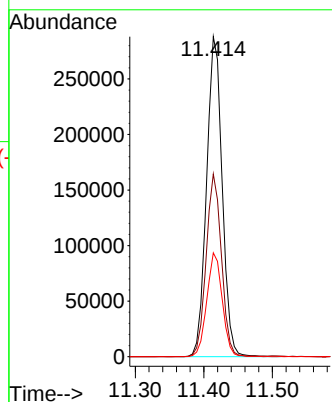
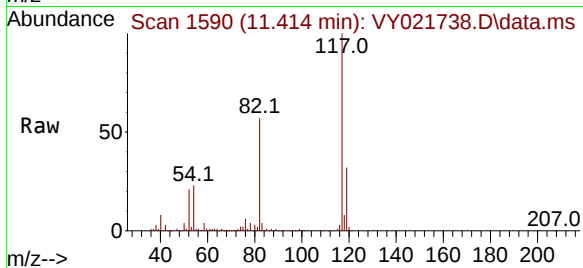
Tgt Ion:117 Resp: 457044

Ion Ratio Lower Upper

117 100

82 57.1 42.8 64.2

119 32.5 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021738.D

Acq: 01 Apr 2025 13:46

Tgt Ion:152 Resp: 197804

Ion Ratio Lower Upper

152 100

115 58.1 28.8 86.5

150 156.7 0.0 348.4

