

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040925\
 Data File : VY021818.D
 Acq On : 09 Apr 2025 14:50
 Operator : SY/MD
 Sample : Q1742-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 IBLK

Quant Time: Apr 10 01:43:29 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)

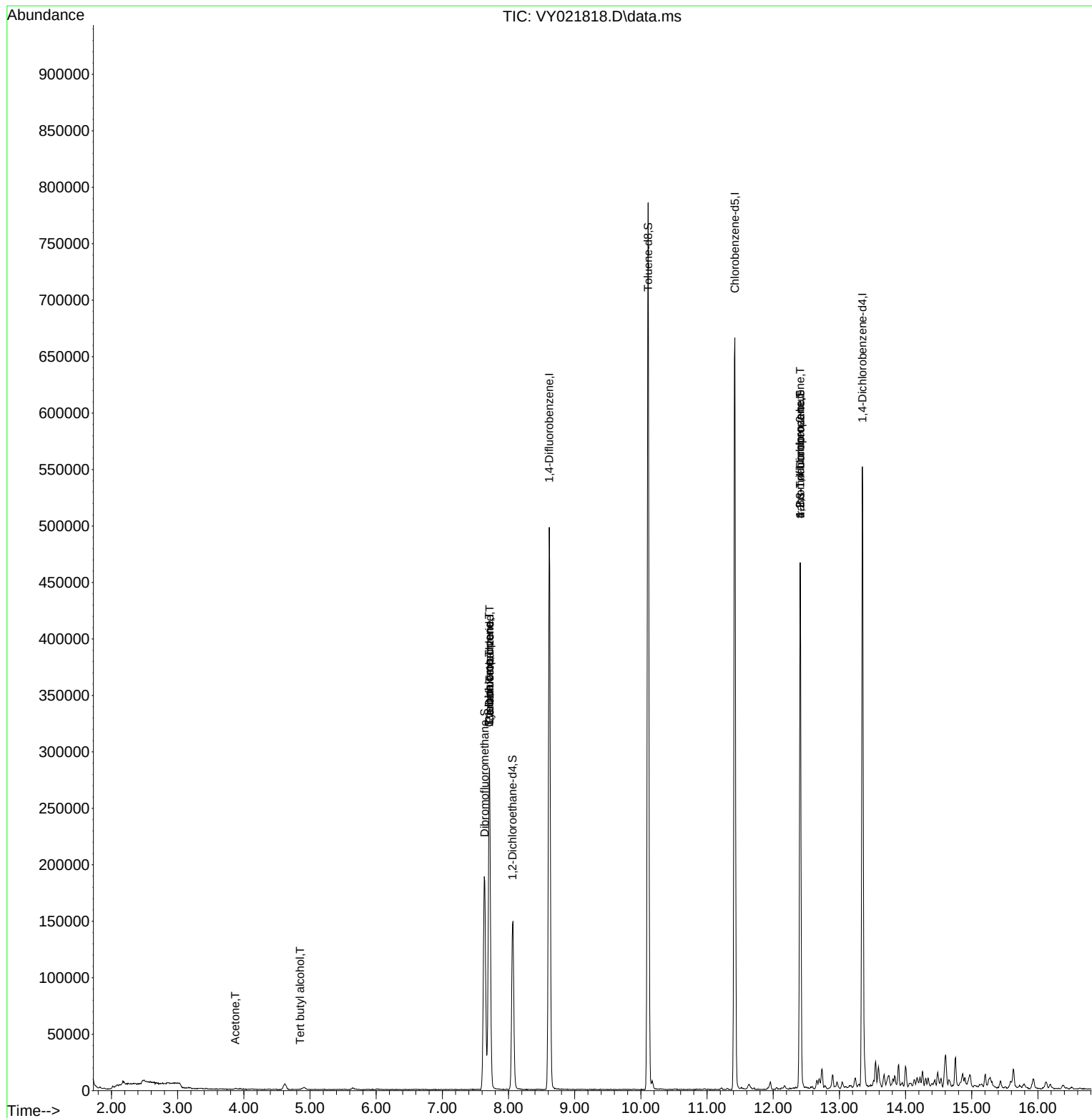
Internal Standards						
1) Pentafluorobenzene	7.713	168	216200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	405858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	342428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	133394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	119364	50.957	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.920%			
35) Dibromofluoromethane	7.640	113	134304	51.013	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.020%			
50) Toluene-d8	10.109	98	494751	49.398	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.800%			
62) 4-Bromofluorobenzene	12.407	95	133426	39.384	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 78.760%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.848	59	293	1.926	ug/l #	70
16) Acetone	3.872	43	1168	2.436	ug/l	93
20) Methylene Chloride	4.622	84	3624	Below Cal		92
31) Cyclohexane	7.707	56	4737	1.146	ug/l #	9
36) 1,1-Dichloropropene	7.707	75	17781	4.434	ug/l #	50
38) Carbon Tetrachloride	7.713	117	22123	4.817	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	71443	54.030	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	71443	124.495	ug/l #	12

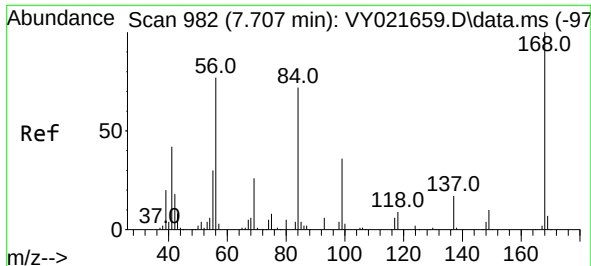
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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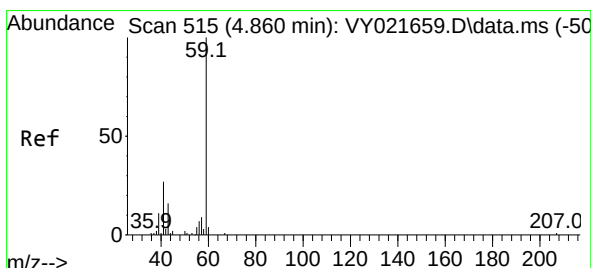
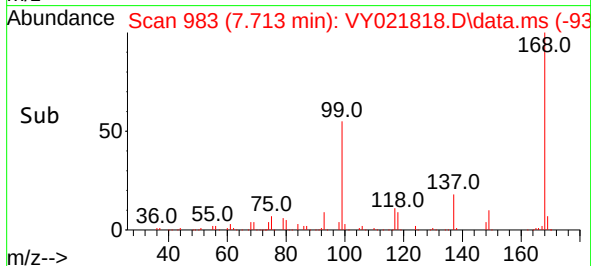
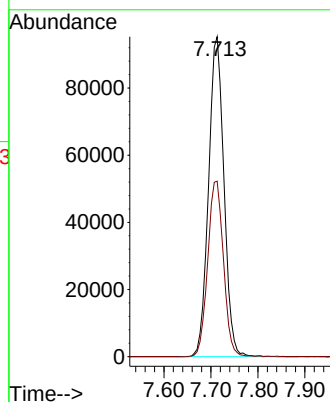
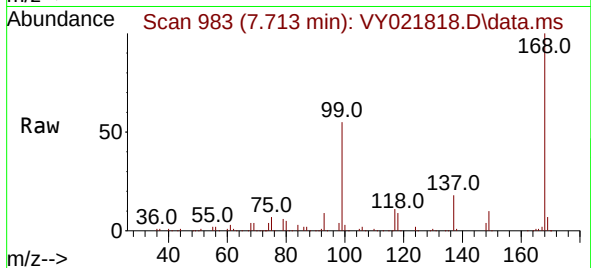




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021818.D
Acq: 09 Apr 2025 14:50

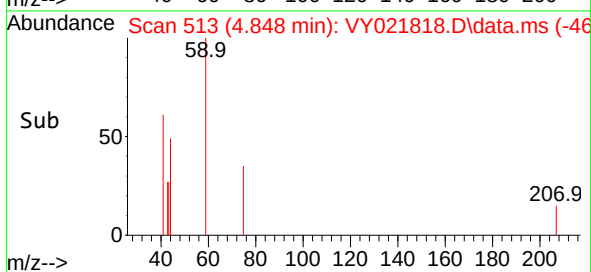
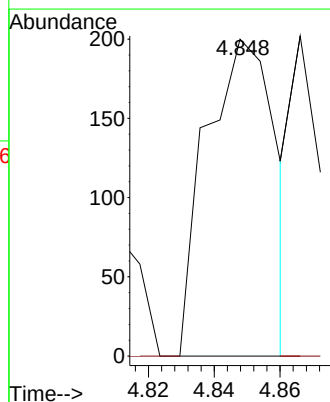
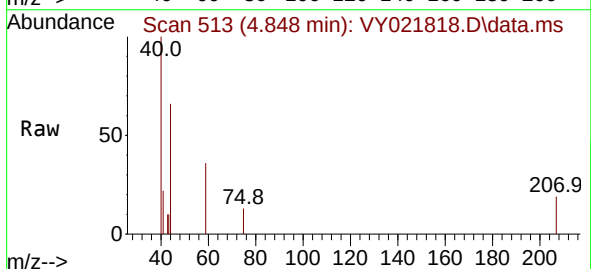
Instrument :
MSVOA_Y
ClientSampleId :
IBLK

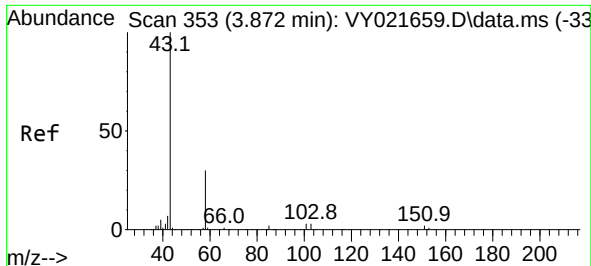
Tgt Ion:168 Resp: 216200
Ion Ratio Lower Upper
168 100
99 54.8 46.7 70.1



#11
Tert butyl alcohol
Concen: 1.926 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY021818.D
Acq: 09 Apr 2025 14:50

Tgt Ion: 59 Resp: 293
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#





#16

Acetone

Concen: 2.436 ug/l

RT: 3.872 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY021818.D

Acq: 09 Apr 2025 14:50

Instrument :

MSVOA_Y

ClientSampleId :

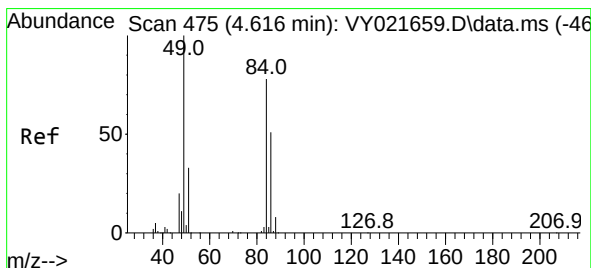
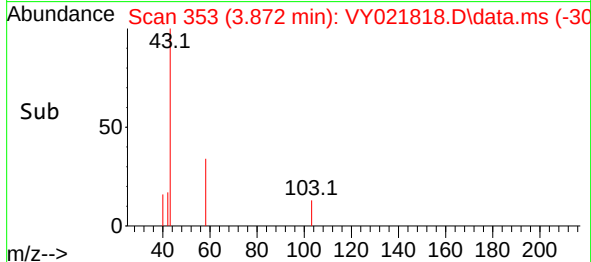
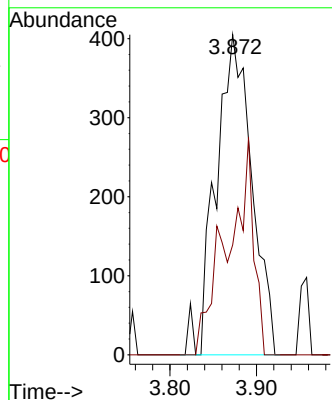
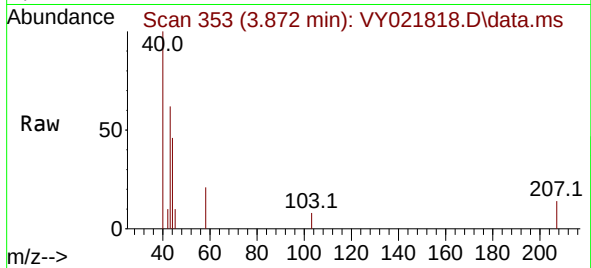
IBLK

Tgt Ion: 43 Resp: 1168

Ion Ratio Lower Upper

43 100

58 34.3 24.2 36.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY021818.D

Acq: 09 Apr 2025 14:50

Tgt Ion: 84 Resp: 3624

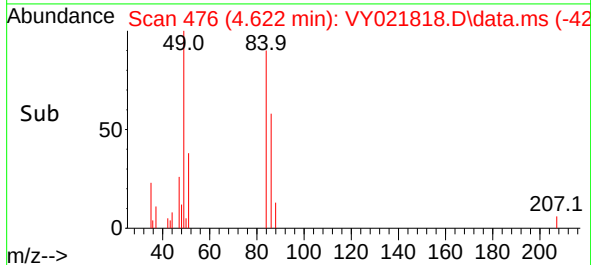
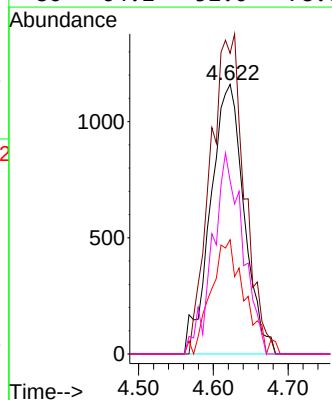
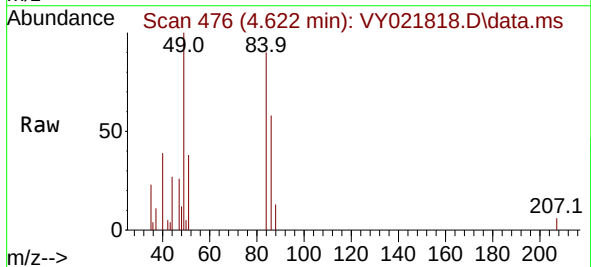
Ion Ratio Lower Upper

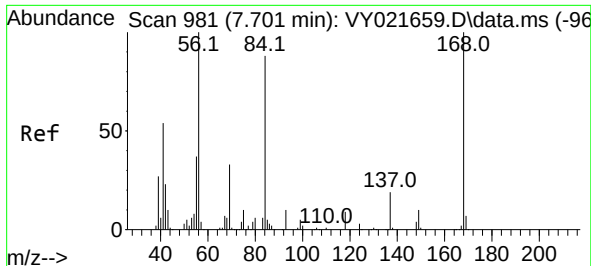
84 100

49 111.6 102.8 154.2

51 42.4 33.5 50.3

86 64.2 52.0 78.0

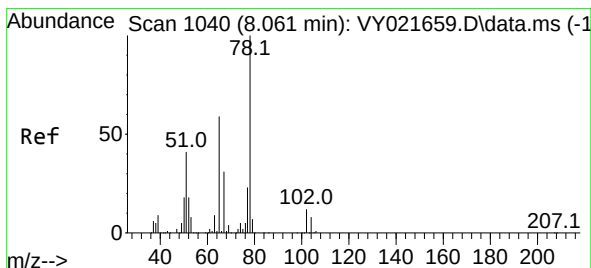
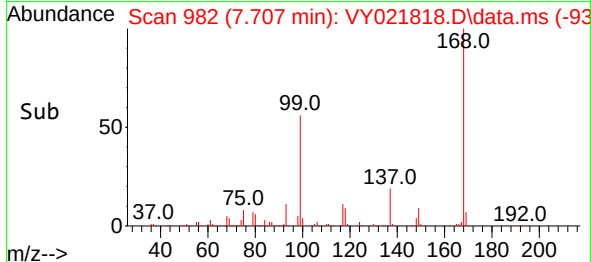
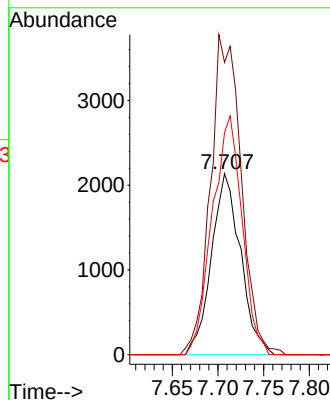
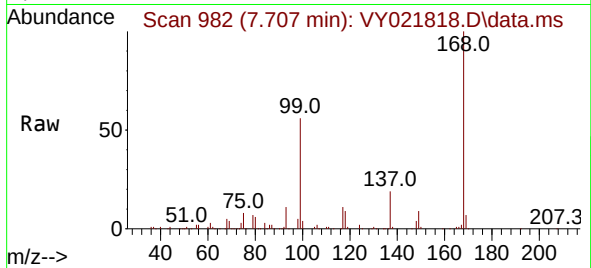




#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021818.D
Acq: 09 Apr 2025 14:50

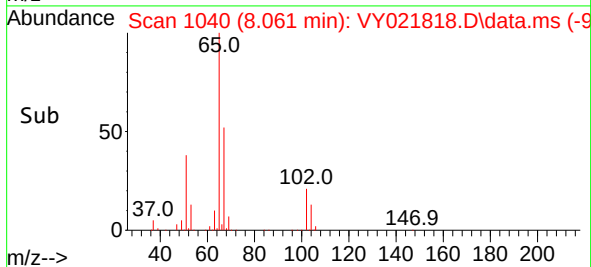
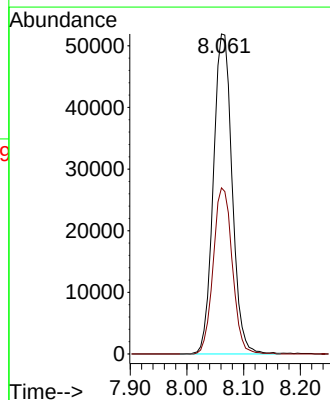
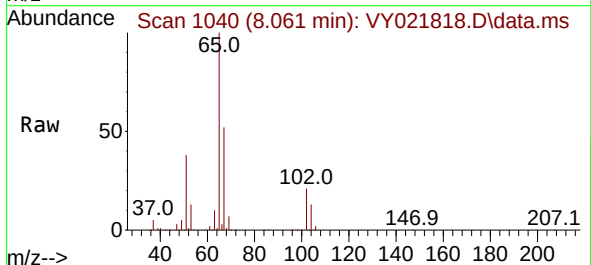
Instrument :
MSVOA_Y
ClientSampleId :
IBLK

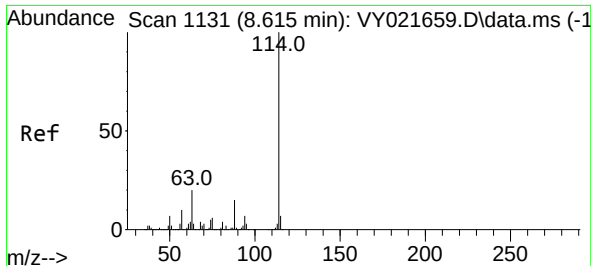
Tgt Ion: 56 Resp: 4737
Ion Ratio Lower Upper
56 100
69 161.5 26.6 40.0#
84 122.6 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 50.957 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021818.D
Acq: 09 Apr 2025 14:50

Tgt Ion: 65 Resp: 119364
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.6

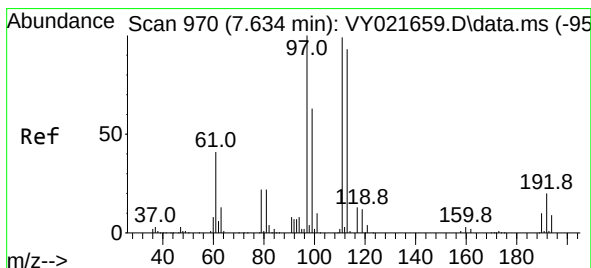
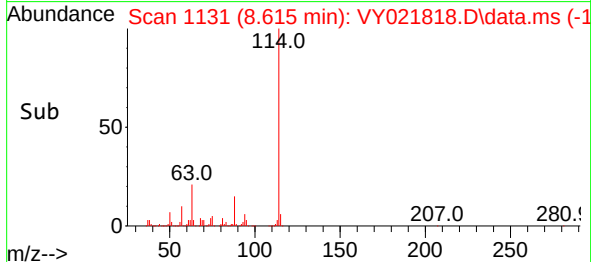
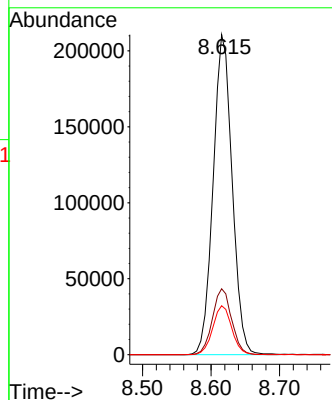
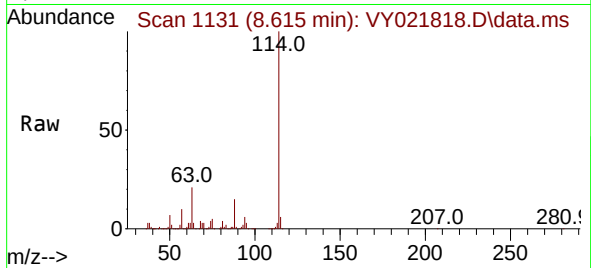




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021818.D
Acq: 09 Apr 2025 14:50

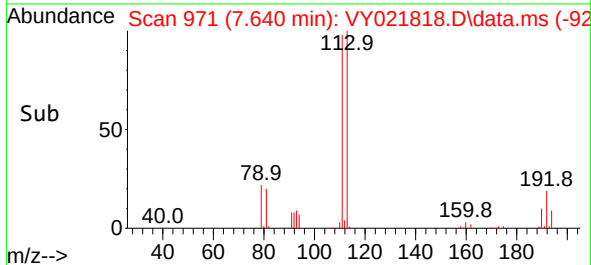
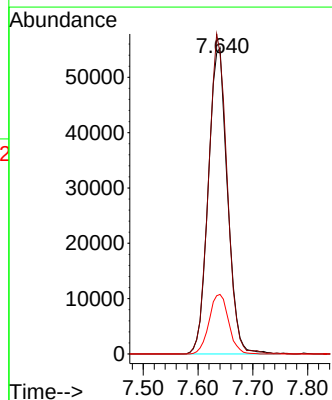
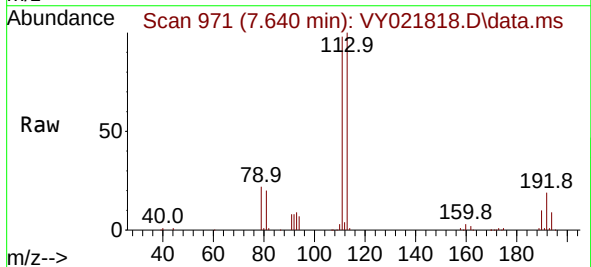
Instrument :
MSVOA_Y
ClientSampleId :
IBLK

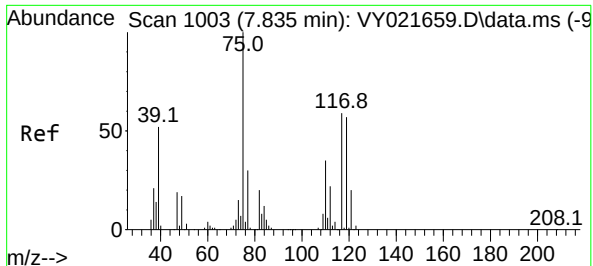
Tgt Ion:114 Resp: 405858
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.2
88 15.3 0.0 29.8



#35
Dibromofluoromethane
Concen: 51.013 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY021818.D
Acq: 09 Apr 2025 14:50

Tgt Ion:113 Resp: 134304
Ion Ratio Lower Upper
113 100
111 101.6 82.6 123.8
192 19.7 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.434 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY021818.D

Acq: 09 Apr 2025 14:50

Instrument :

MSVOA_Y

ClientSampleId :

IBLK

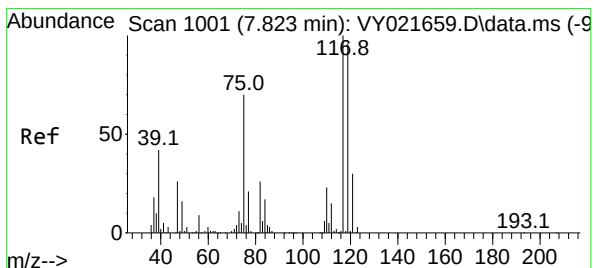
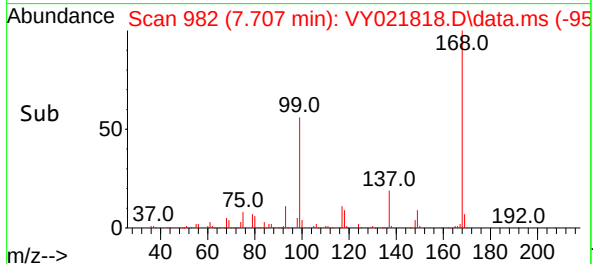
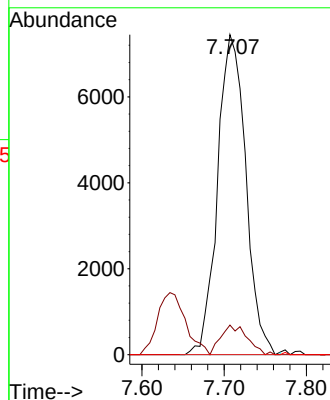
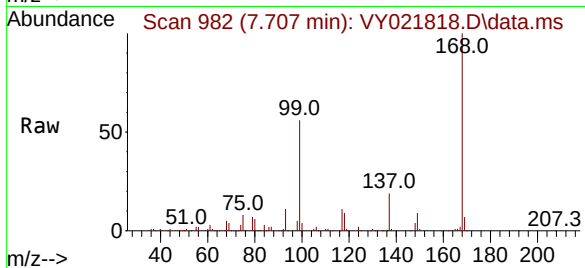
Tgt Ion: 75 Resp: 17781

Ion Ratio Lower Upper

75 100

110 8.7 17.0 50.9#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 4.817 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY021818.D

Acq: 09 Apr 2025 14:50

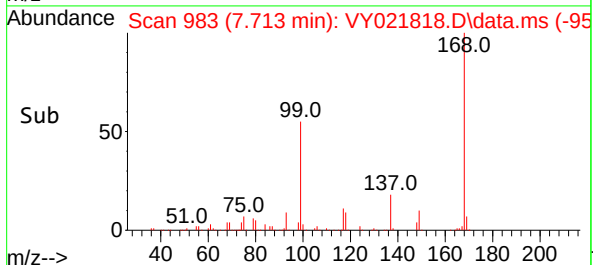
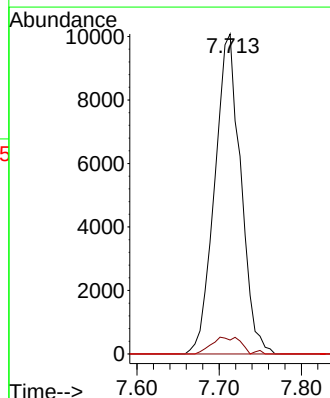
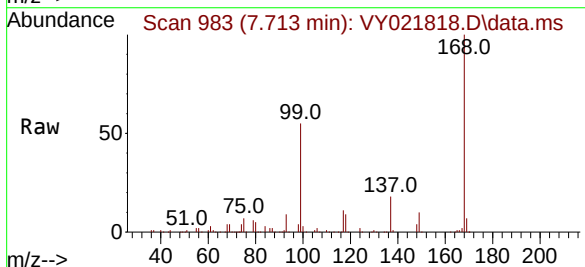
Tgt Ion: 117 Resp: 22123

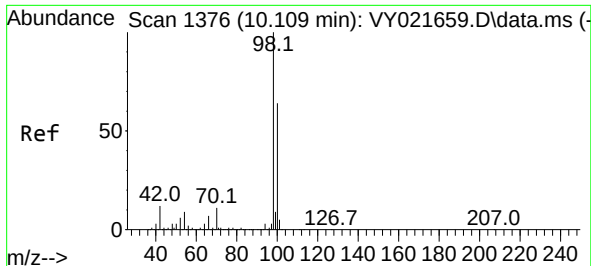
Ion Ratio Lower Upper

117 100

119 4.4 76.2 114.4#

121 0.0 24.2 36.4#

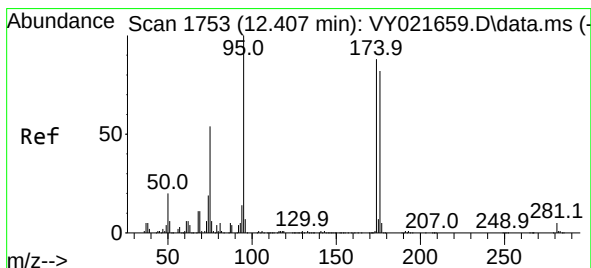
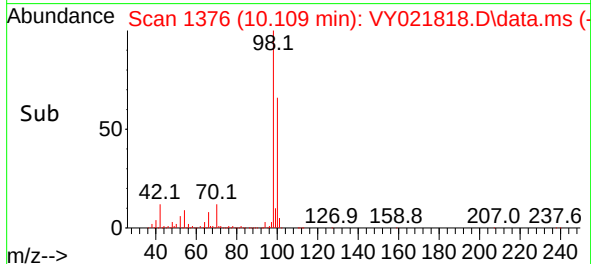
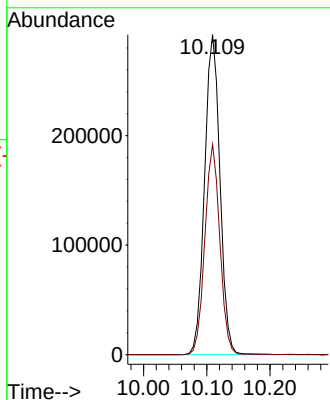
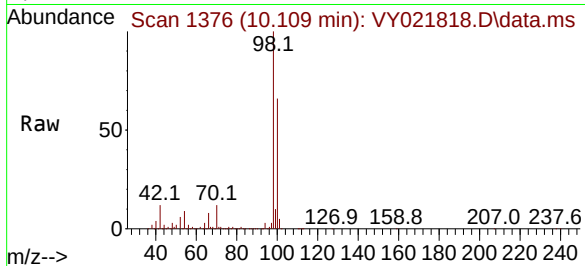




#50
Toluene-d8
Concen: 49.398 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021818.D
Acq: 09 Apr 2025 14:50

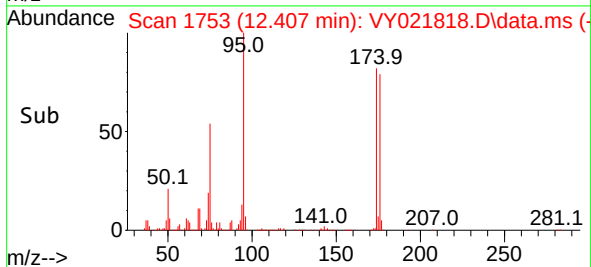
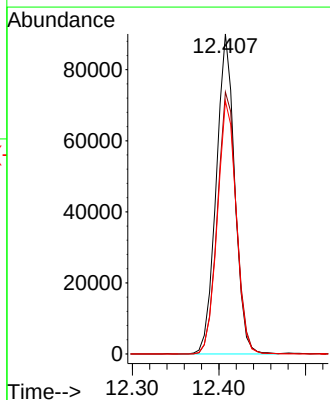
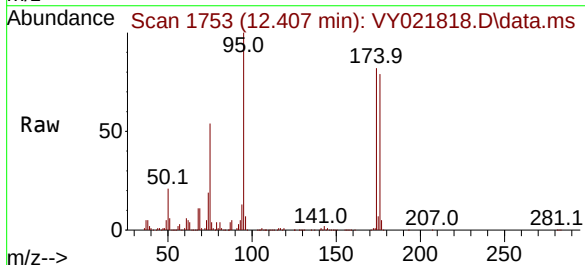
Instrument :
MSVOA_Y
ClientSampleId :
IBLK

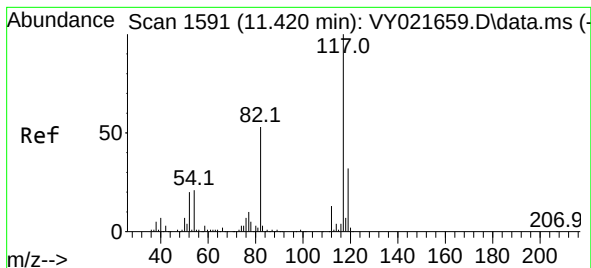
Tgt Ion: 98 Resp: 494751
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 39.384 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021818.D
Acq: 09 Apr 2025 14:50

Tgt Ion: 95 Resp: 133426
Ion Ratio Lower Upper
95 100
174 83.9 0.0 170.8
176 80.8 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021818.D

Acq: 09 Apr 2025 14:50

Instrument :

MSVOA_Y

ClientSampleId :

IBLK

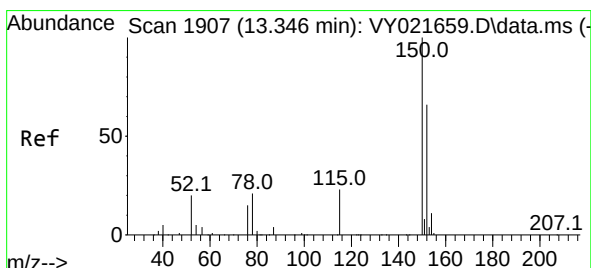
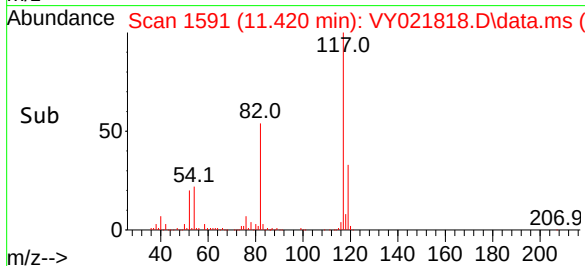
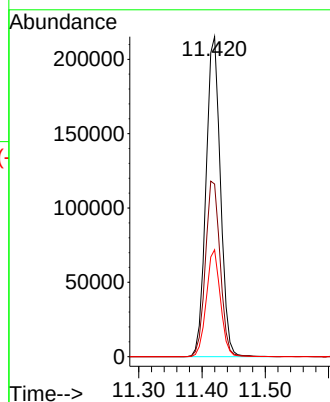
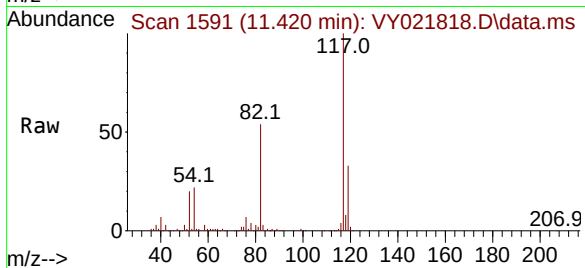
Tgt Ion:117 Resp: 342428

Ion Ratio Lower Upper

117 100

82 54.0 42.8 64.2

119 33.4 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: VY021818.D

Acq: 09 Apr 2025 14:50

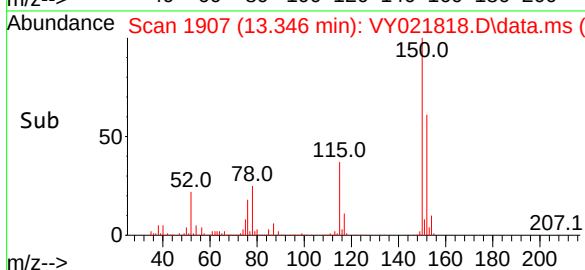
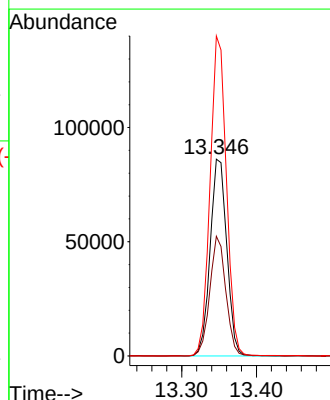
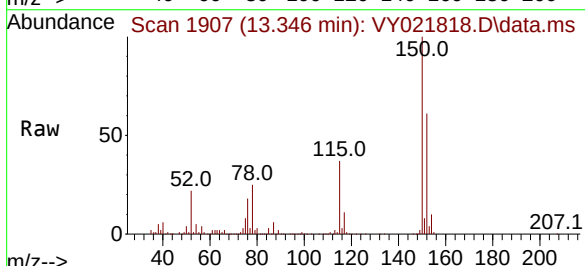
Tgt Ion:152 Resp: 133394

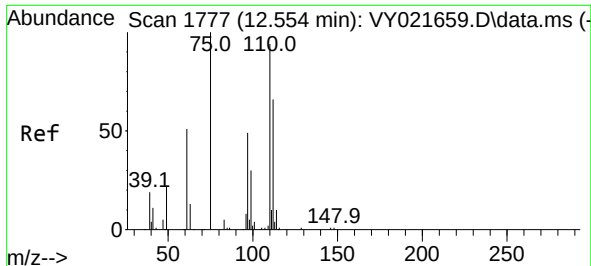
Ion Ratio Lower Upper

152 100

115 58.9 28.8 86.5

150 158.6 0.0 348.4

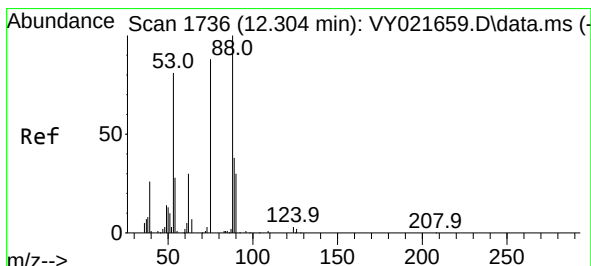
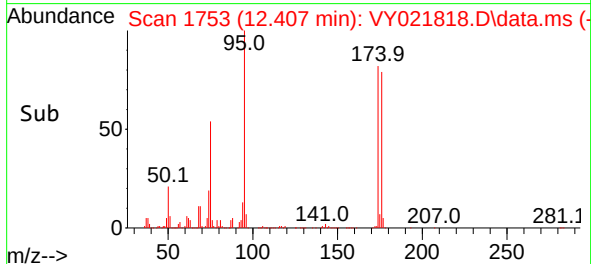
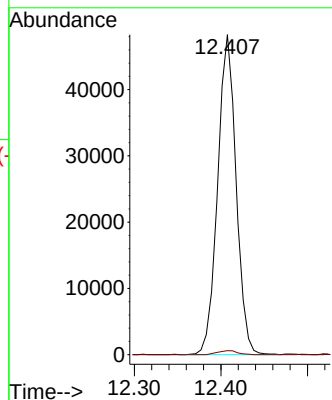
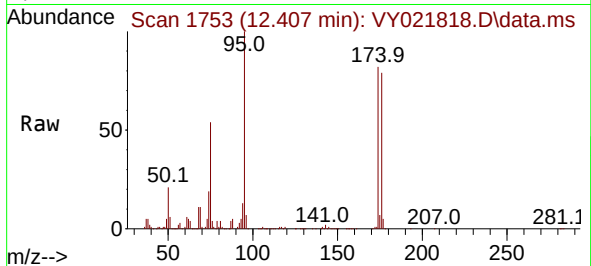




#76
1,2,3-Trichloropropane
Concen: 54.030 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021818.D
Acq: 09 Apr 2025 14:50

Instrument :
MSVOA_Y
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 71443
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.495 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021818.D
Acq: 09 Apr 2025 14:50

Tgt Ion: 75 Resp: 71443
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.0 36.2 54.4#

