

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061225\
 Data File : VY022679.D
 Acq On : 12 Jun 2025 17:19
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 13 05:43:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

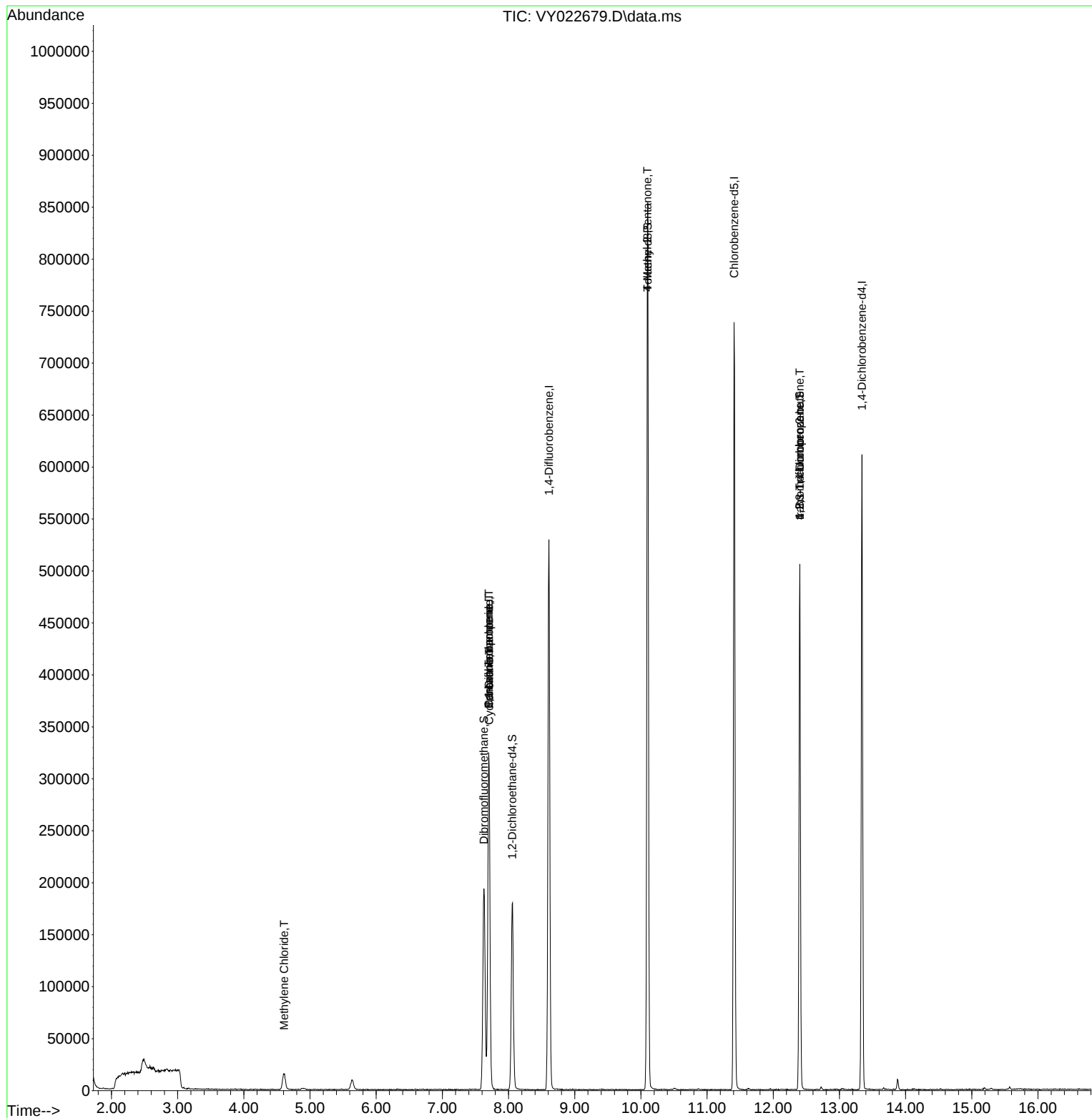
Internal Standards						
1) Pentafluorobenzene	7.701	168	237942	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	440144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	363653	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.340	152	136251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	130936	49.201	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.400%
35) Dibromofluoromethane	7.628	113	135219	51.470	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.940%
50) Toluene-d8	10.103	98	533362	50.245	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.480%
62) 4-Bromofluorobenzene	12.402	95	133206	42.116	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.240%
Target Compounds						Qvalue
20) Methylene Chloride	4.610	84	11481	3.740	ug/l #	89
31) Cyclohexane	7.707	56	6553	1.281	ug/l #	14
36) 1,1-Dichloropropene	7.701	75	21546	5.053	ug/l #	50
38) Carbon Tetrachloride	7.701	117	25083	5.734	ug/l #	16
51) 4-Methyl-2-Pentanone	10.097	43	2811	1.373	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	78961	50.656	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	78961	122.332	ug/l #	11

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

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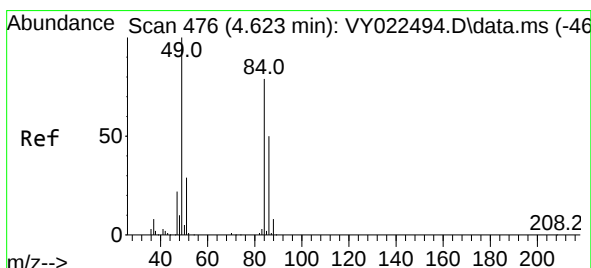
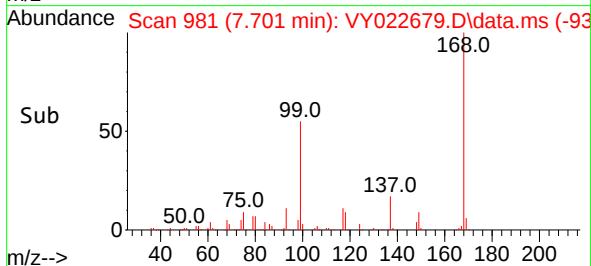
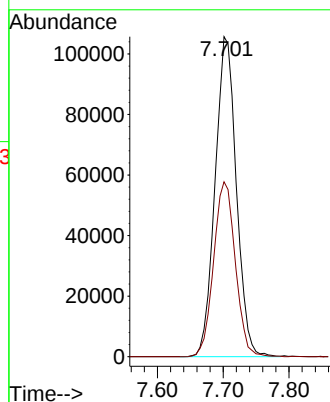
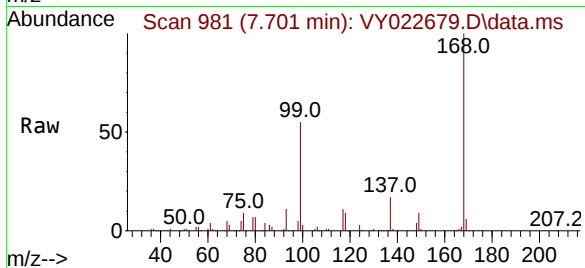




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022679.D
Acq: 12 Jun 2025 17:19

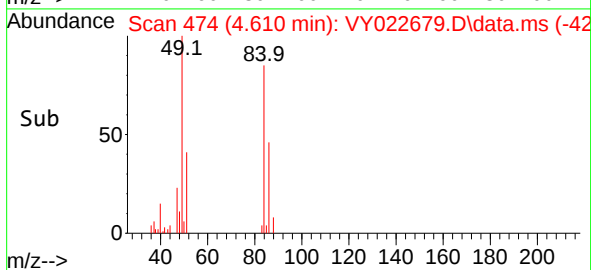
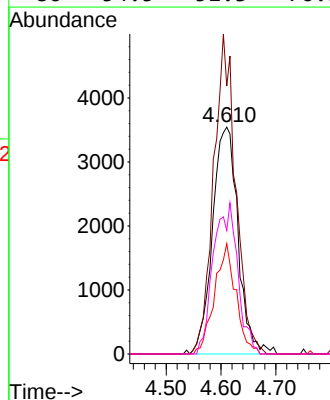
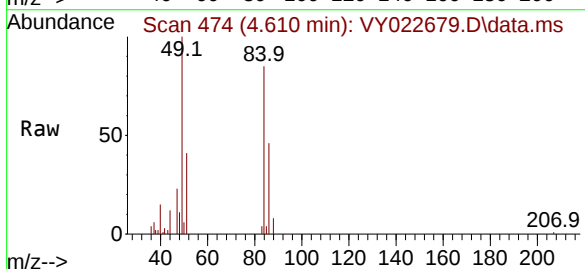
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

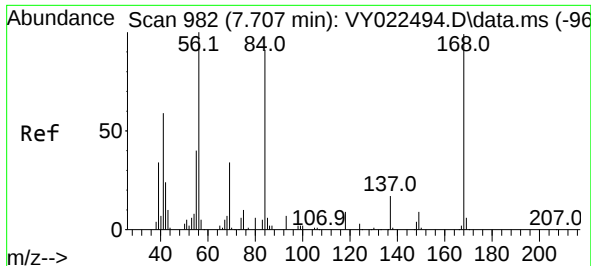
Tgt Ion:168 Resp: 237942
Ion Ratio Lower Upper
168 100
99 54.6 44.3 66.5



#20
Methylene Chloride
Concen: 3.740 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022679.D
Acq: 12 Jun 2025 17:19

Tgt Ion: 84 Resp: 11481
Ion Ratio Lower Upper
84 100
49 118.1 101.9 152.9
51 48.6 29.8 44.8#
86 54.5 51.3 76.9

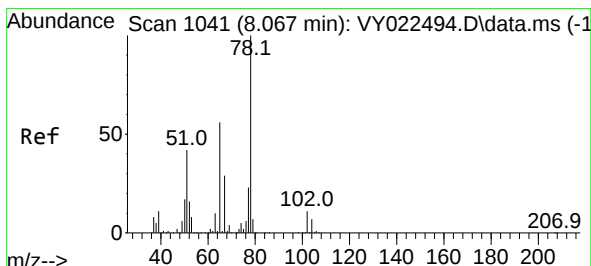
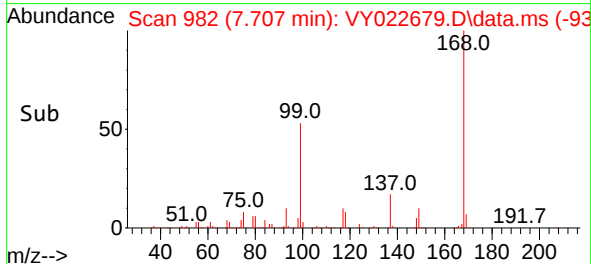
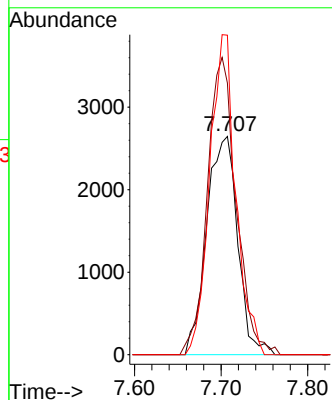
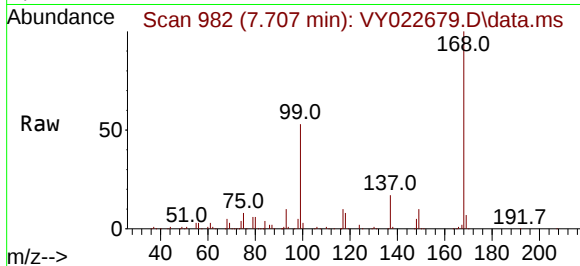




#31
Cyclohexane
Concen: 1.281 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022679.D
Acq: 12 Jun 2025 17:19

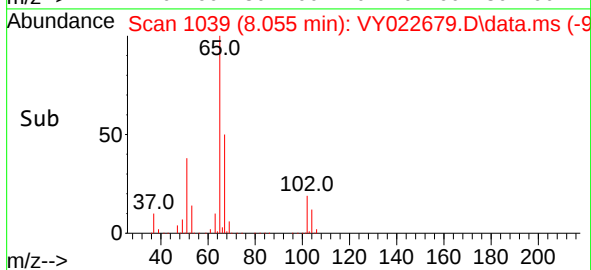
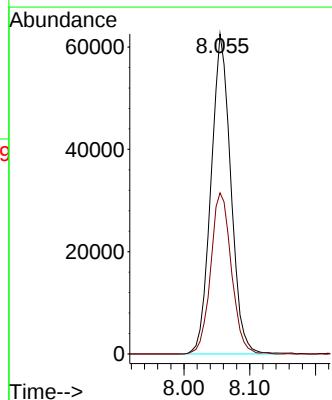
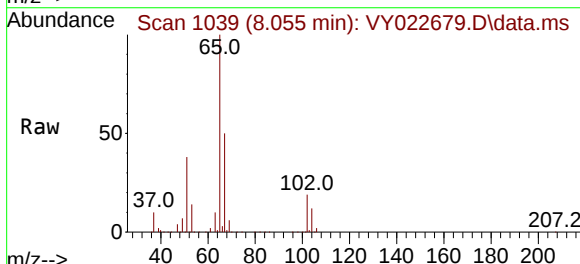
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

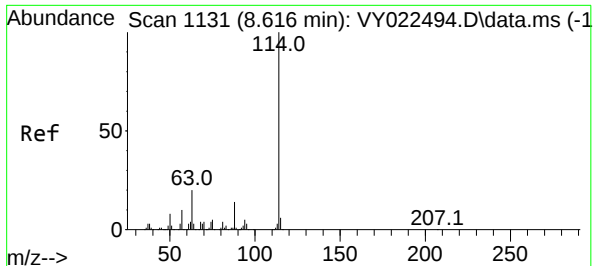
Tgt Ion: 56 Resp: 6553
Ion Ratio Lower Upper
56 100
69 124.5 27.0 40.6#
84 146.4 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 49.201 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022679.D
Acq: 12 Jun 2025 17:19

Tgt Ion: 65 Resp: 130936
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022679.D

Acq: 12 Jun 2025 17:19

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

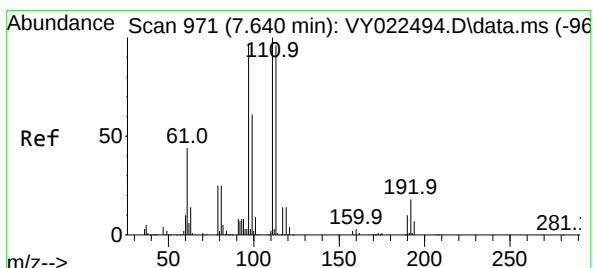
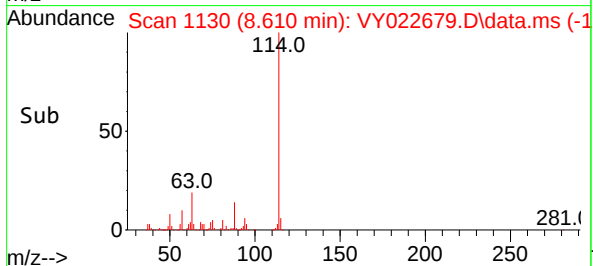
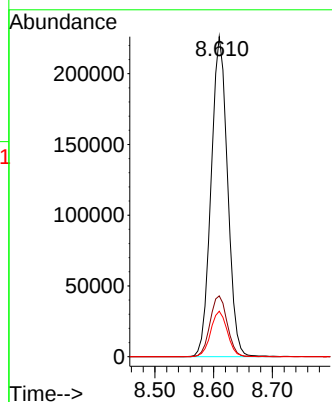
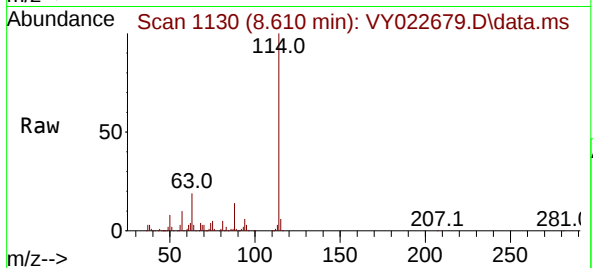
Tgt Ion:114 Resp: 440144

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.8

88 14.2 0.0 27.8



#35

Dibromofluoromethane

Concen: 51.470 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022679.D

Acq: 12 Jun 2025 17:19

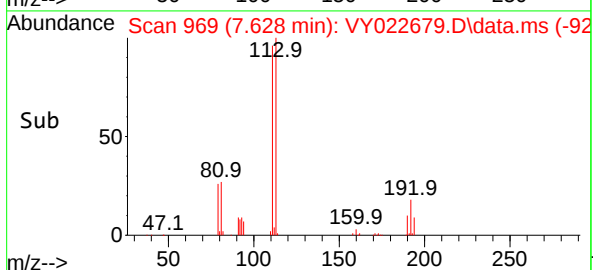
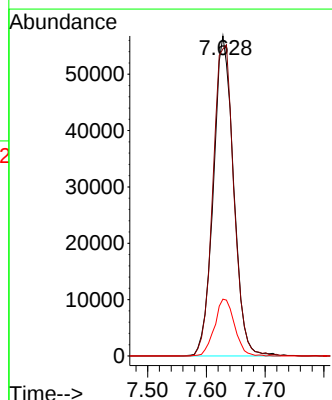
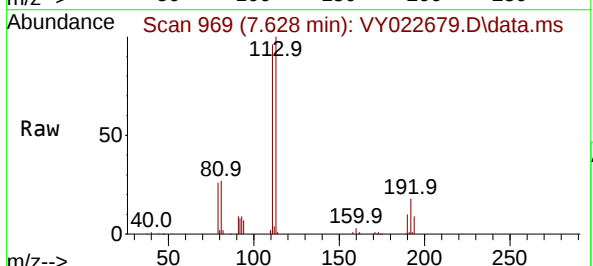
Tgt Ion:113 Resp: 135219

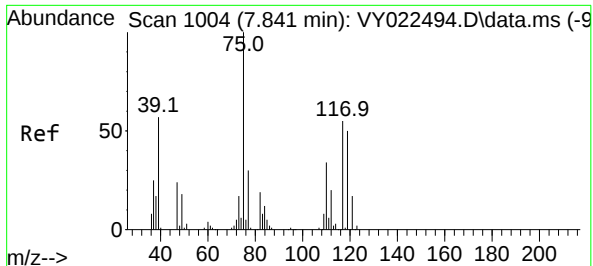
Ion Ratio Lower Upper

113 100

111 101.3 81.1 121.7

192 17.6 14.2 21.2

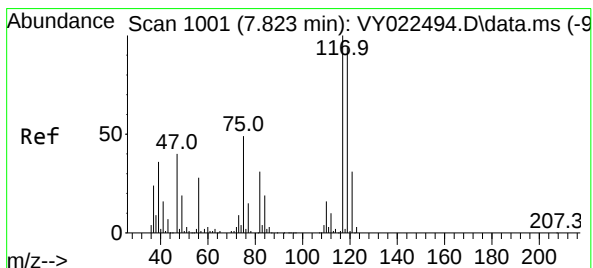
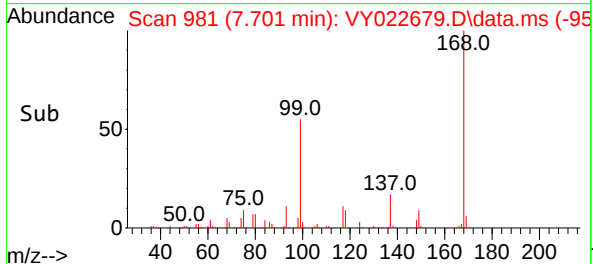
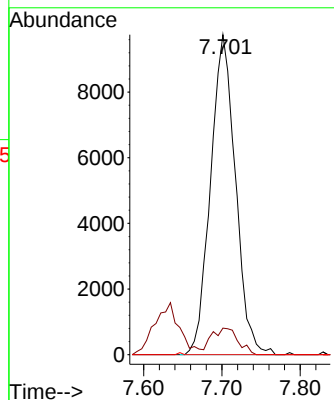
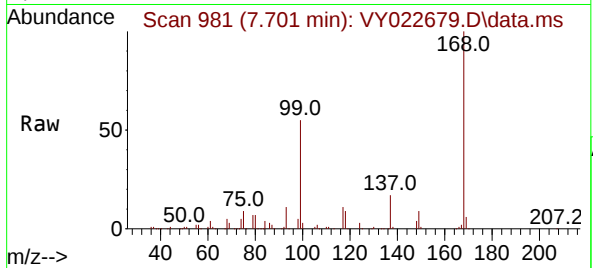




#36
1,1-Dichloropropene
Concen: 5.053 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022679.D
Acq: 12 Jun 2025 17:19

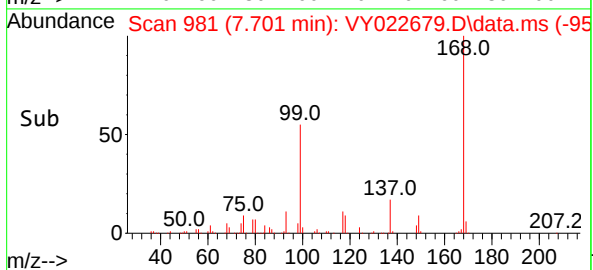
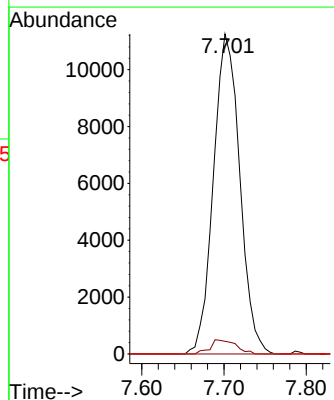
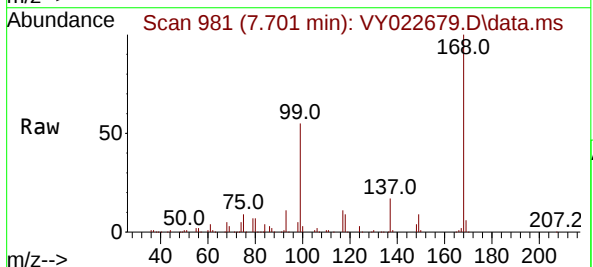
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

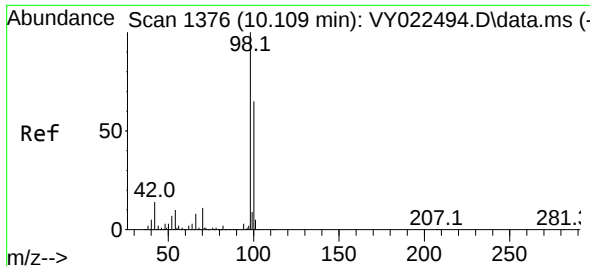
Tgt Ion: 75 Resp: 21546
Ion Ratio Lower Upper
75 100
110 8.7 16.9 50.7#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.734 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY022679.D
Acq: 12 Jun 2025 17:19

Tgt Ion: 117 Resp: 25083
Ion Ratio Lower Upper
117 100
119 3.9 75.0 112.6#
121 0.0 25.0 37.4#

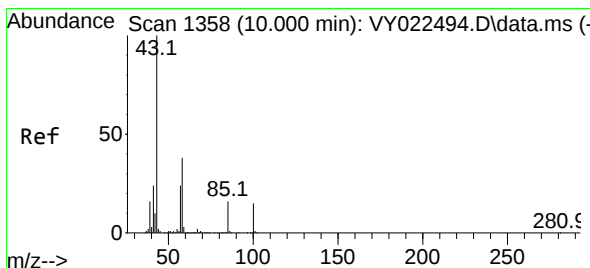
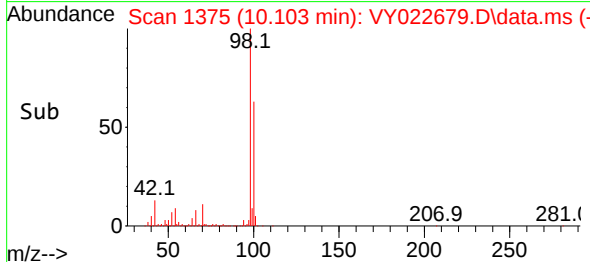
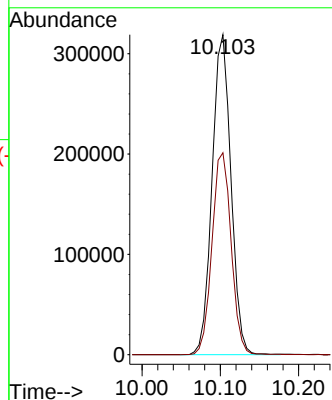
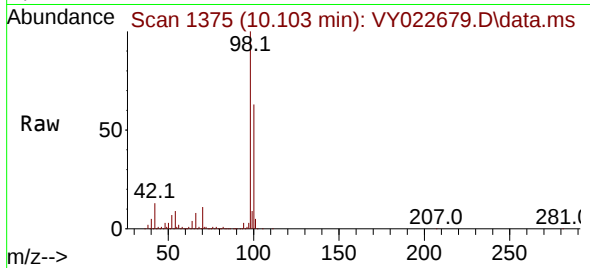




#50
Toluene-d8
Concen: 50.245 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022679.D
Acq: 12 Jun 2025 17:19

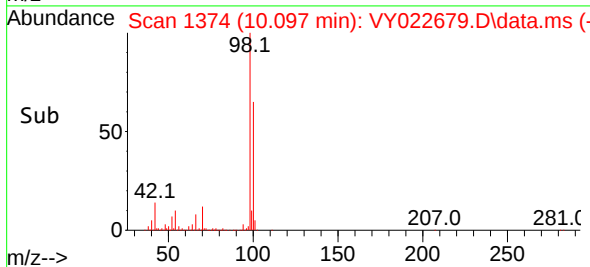
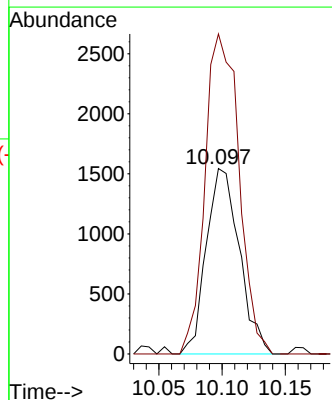
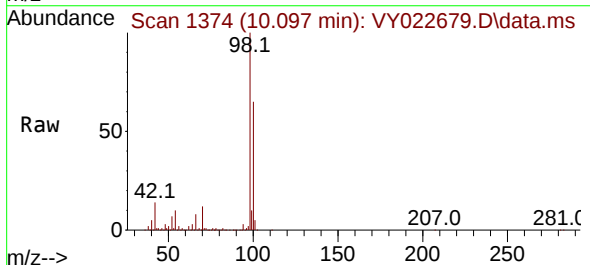
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

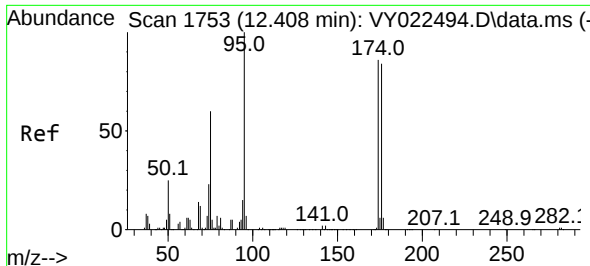
Tgt Ion: 98 Resp: 533362
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.373 ug/l
RT: 10.097 min Scan# 1374
Delta R.T. 0.098 min
Lab File: VY022679.D
Acq: 12 Jun 2025 17:19

Tgt Ion: 43 Resp: 2811
Ion Ratio Lower Upper
43 100
58 177.0 30.4 45.6#

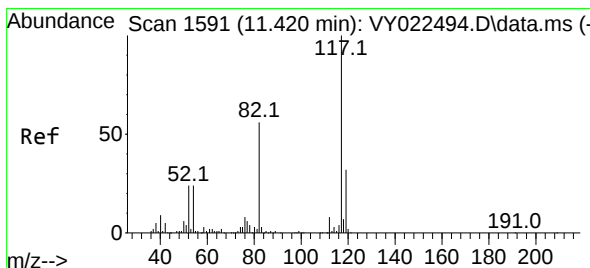
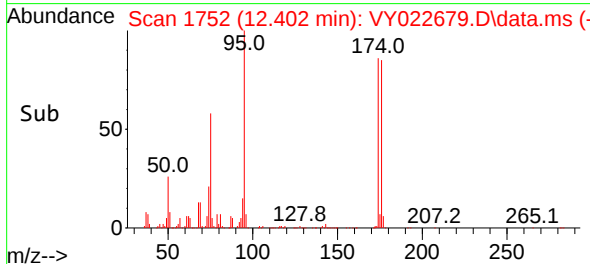
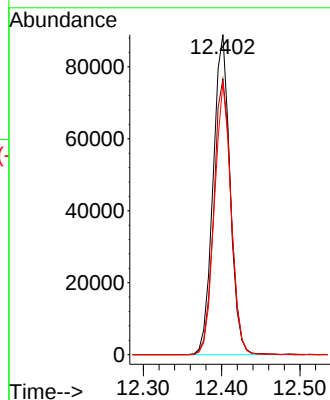
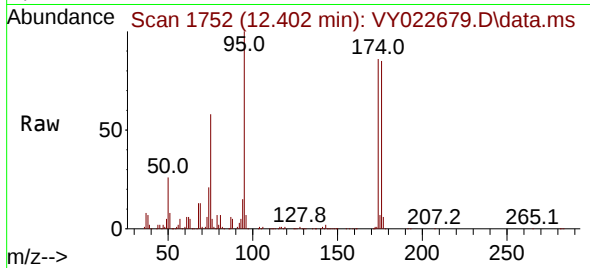




#62
4-Bromofluorobenzene
Concen: 42.116 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022679.D
Acq: 12 Jun 2025 17:19

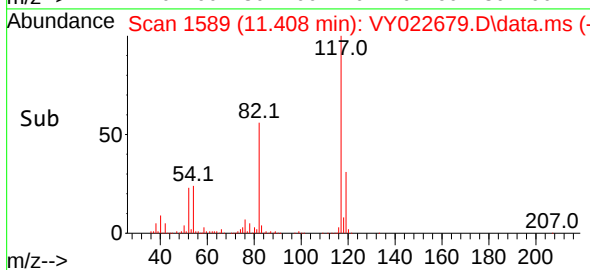
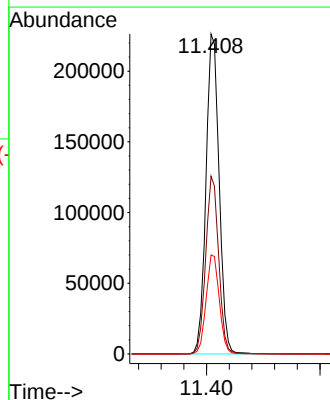
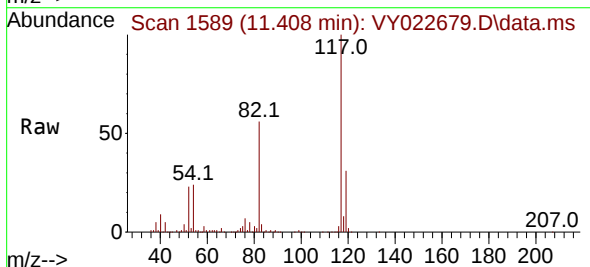
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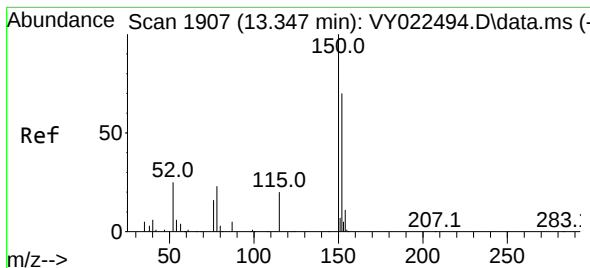
Tgt Ion: 95 Resp: 133206
Ion Ratio Lower Upper
95 100
174 88.1 0.0 170.0
176 83.7 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 1589
Delta R.T. -0.012 min
Lab File: VY022679.D
Acq: 12 Jun 2025 17:19

Tgt Ion: 117 Resp: 363653
Ion Ratio Lower Upper
117 100
82 55.5 44.6 66.8
119 31.0 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY022679.D

Acq: 12 Jun 2025 17:19

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

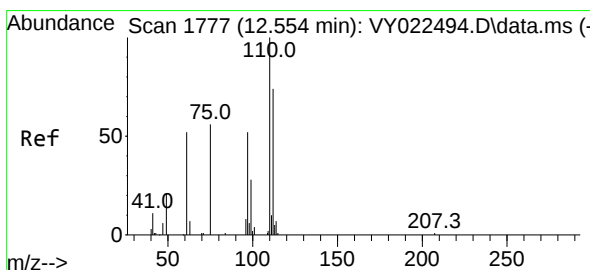
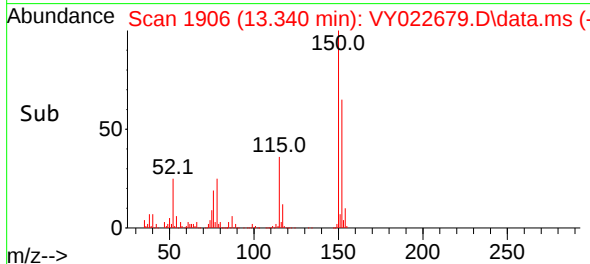
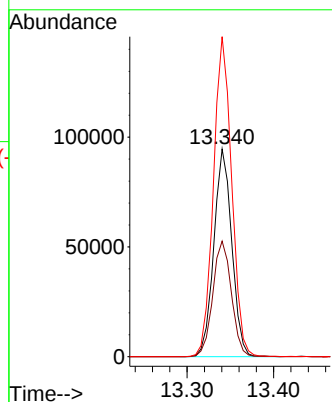
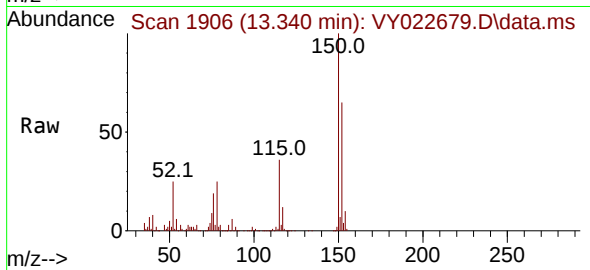
Tgt Ion:152 Resp: 136251

Ion Ratio Lower Upper

152 100

115 57.7 28.9 86.7

150 156.6 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 50.656 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022679.D

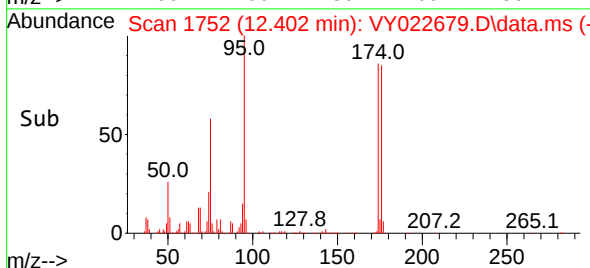
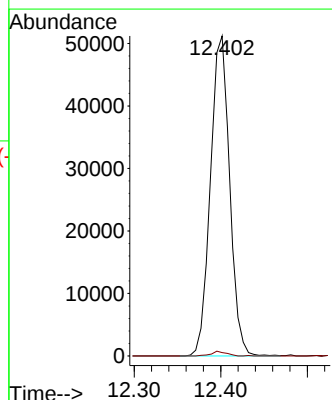
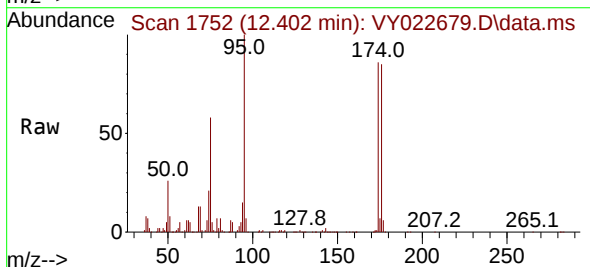
Acq: 12 Jun 2025 17:19

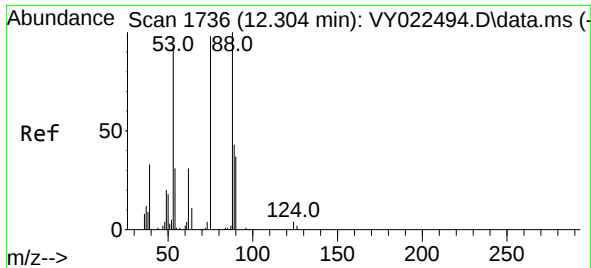
Tgt Ion: 75 Resp: 78961

Ion Ratio Lower Upper

75 100

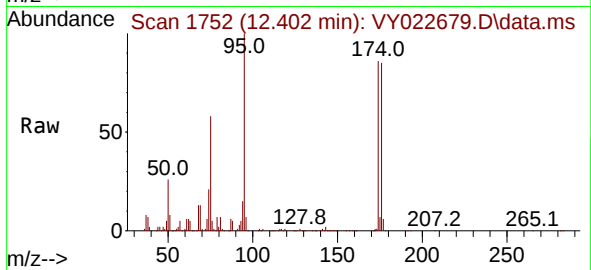
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.332 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022679.D
 Acq: 12 Jun 2025 17:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK



Tgt Ion: 75 Resp: 78961
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.1 35.7 53.5#

