

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061225\
 Data File : VY022678.D
 Acq On : 12 Jun 2025 16:55
 Operator : SY/MD
 Sample : Q2295-06
 Misc : 6.43g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP02-MH5-VOC

Quant Time: Jun 13 05:43:28 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)

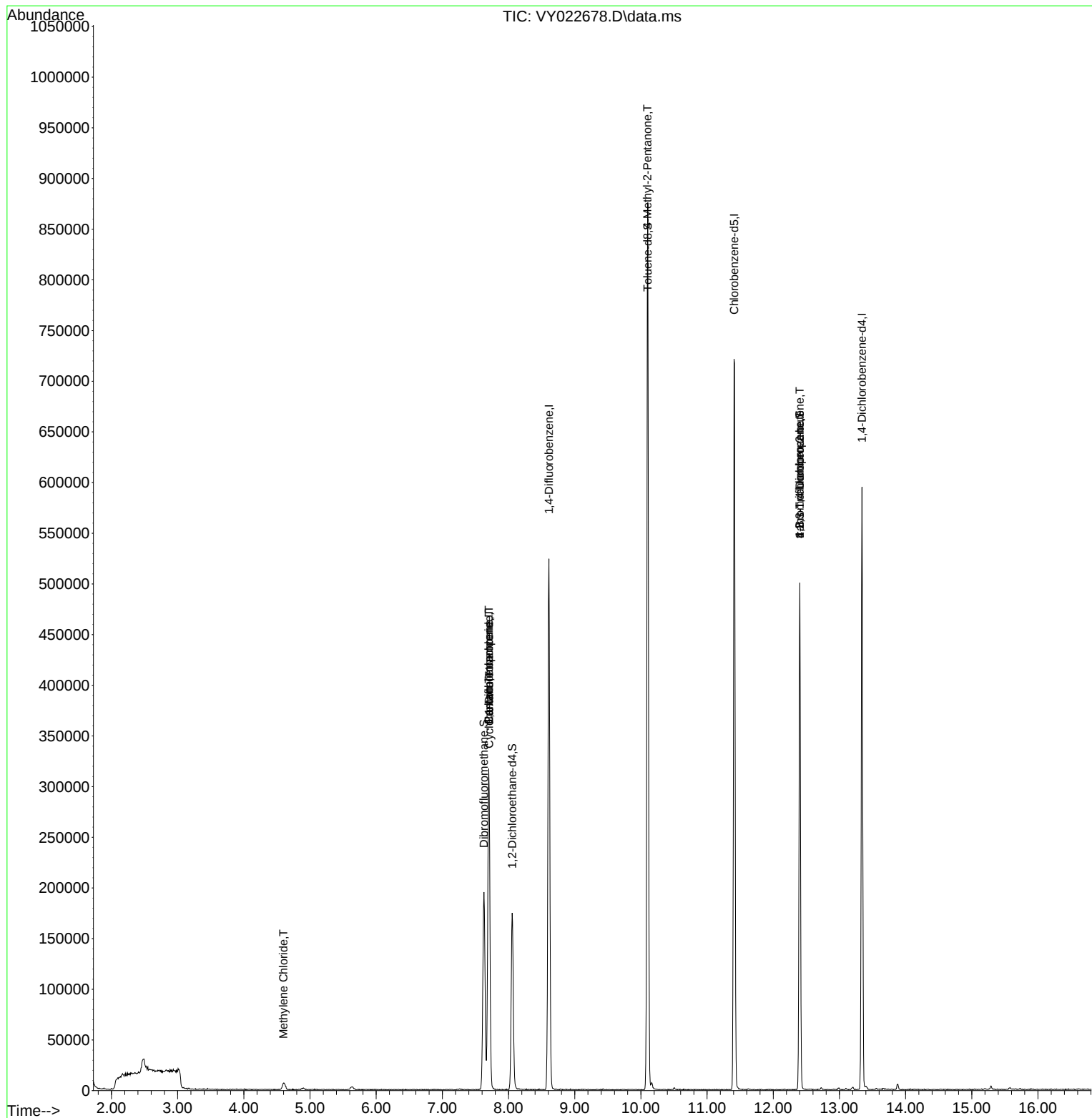
Internal Standards						
1) Pentafluorobenzene	7.701	168	236331	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	433690	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	359868	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.340	152	135204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	129727	49.079	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.160%
35) Dibromofluoromethane	7.628	113	130787	50.524	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.040%
50) Toluene-d8	10.103	98	534269	51.079	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.160%
62) 4-Bromofluorobenzene	12.402	95	134115	43.035	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.060%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.598	84	4735	1.553	ug/l #	89
31) Cyclohexane	7.707	56	6239	1.228	ug/l #	41
36) 1,1-Dichloropropene	7.701	75	20502	4.880	ug/l #	50
38) Carbon Tetrachloride	7.701	117	25052	5.813	ug/l #	17
51) 4-Methyl-2-Pentanone	10.097	43	2790	1.383	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	79550	51.429	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	79550	124.199	ug/l #	10

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

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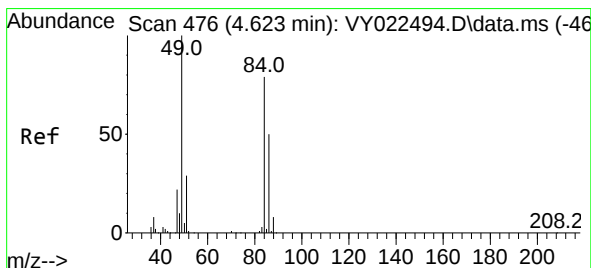
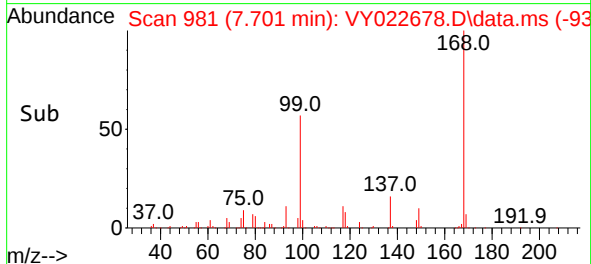
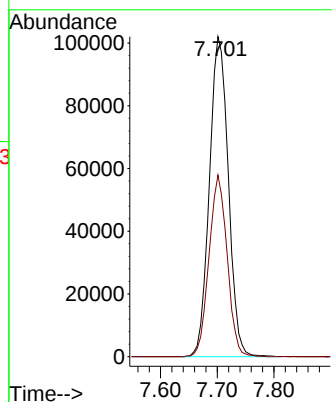
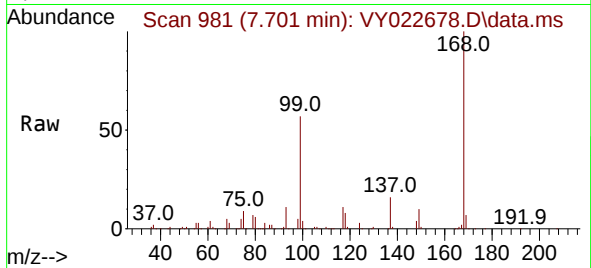




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022678.D
Acq: 12 Jun 2025 16:55

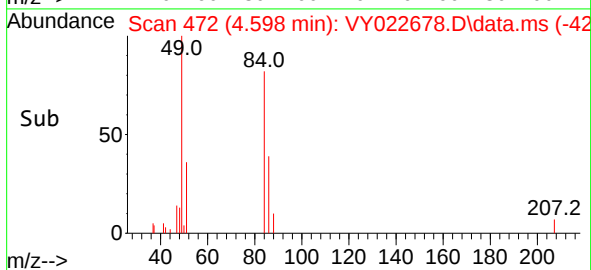
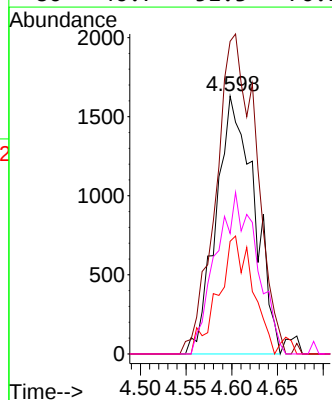
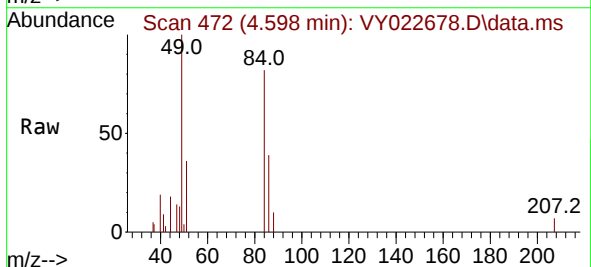
Instrument :
MSVOA_Y
ClientSampleId :
TP02-MH5-VOC

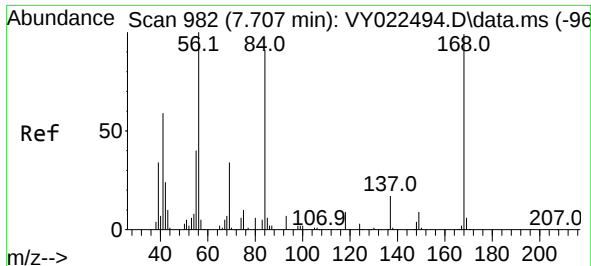
Tgt Ion:168 Resp: 236331
Ion Ratio Lower Upper
168 100
99 56.8 44.3 66.5



#20
Methylene Chloride
Concen: 1.553 ug/l
RT: 4.598 min Scan# 472
Delta R.T. -0.024 min
Lab File: VY022678.D
Acq: 12 Jun 2025 16:55

Tgt Ion: 84 Resp: 4735
Ion Ratio Lower Upper
84 100
49 121.2 101.9 152.9
51 43.7 29.8 44.8
86 46.7 51.3 76.9#

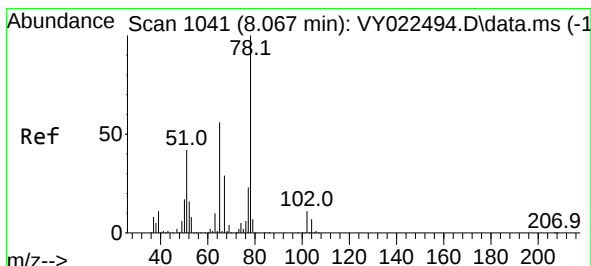
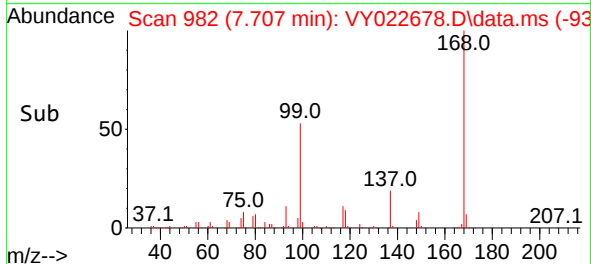
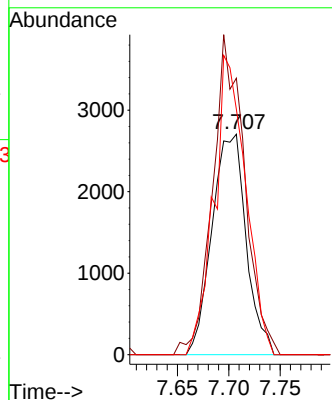
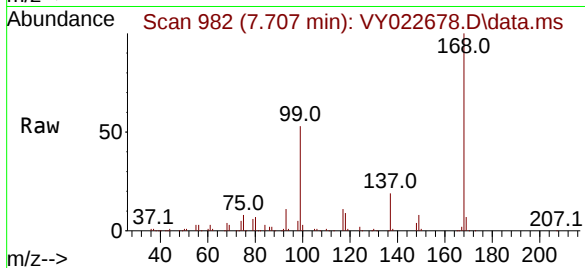




#31
Cyclohexane
Concen: 1.228 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022678.D
Acq: 12 Jun 2025 16:55

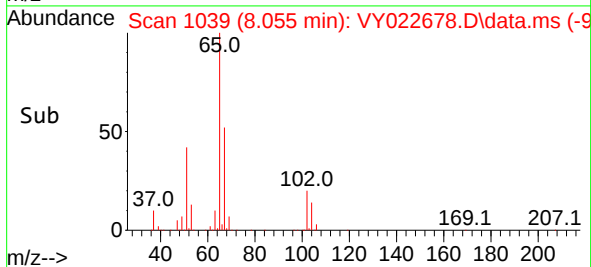
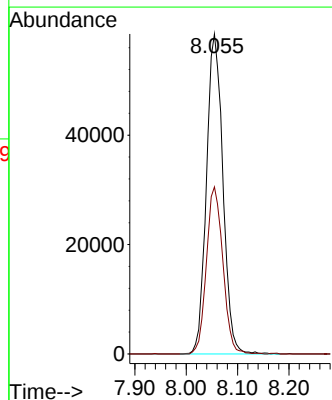
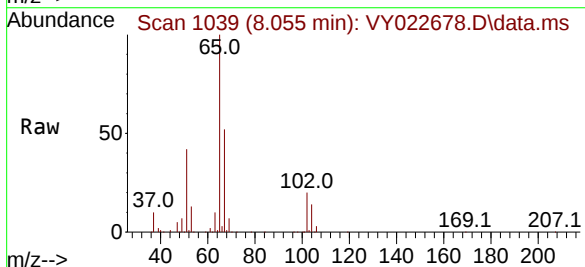
Instrument :
MSVOA_Y
ClientSampleId :
TP02-MH5-VOC

Tgt Ion: 56 Resp: 6239
Ion Ratio Lower Upper
56 100
69 125.4 27.0 40.6#
84 111.3 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 49.079 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022678.D
Acq: 12 Jun 2025 16:55

Tgt Ion: 65 Resp: 129727
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.4

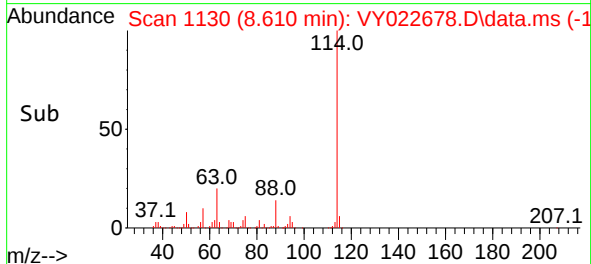
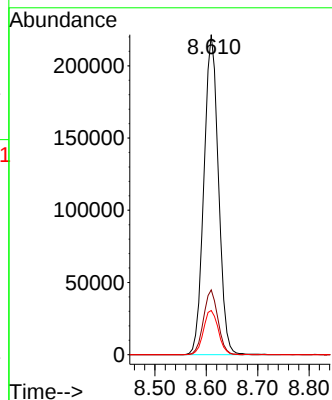
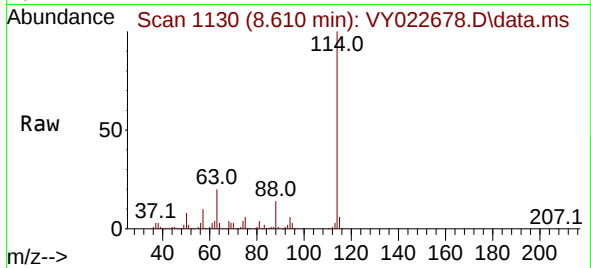




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022678.D
Acq: 12 Jun 2025 16:55

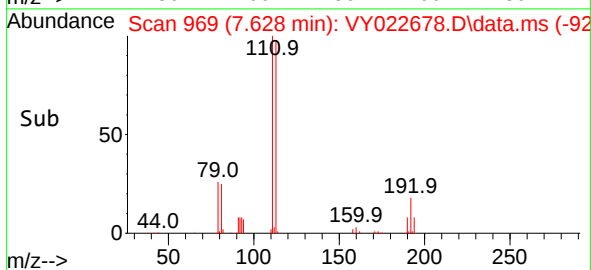
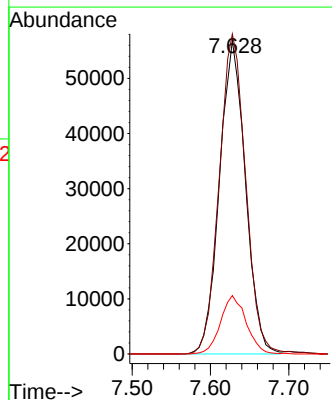
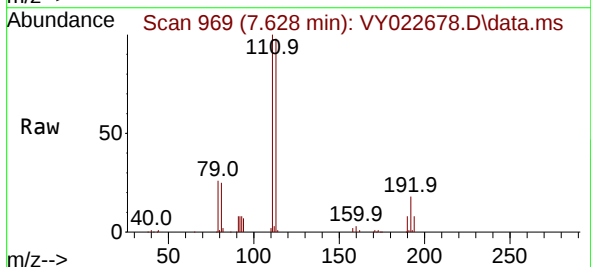
Instrument :
MSVOA_Y
ClientSampleId :
TP02-MH5-VOC

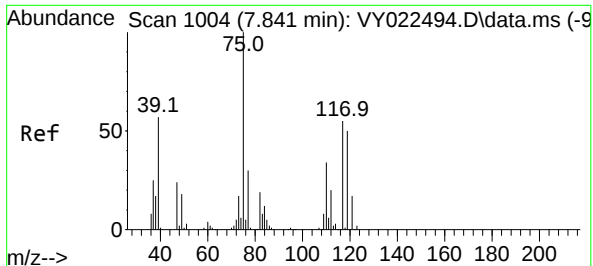
Tgt Ion:114 Resp: 433690
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 13.8 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.524 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022678.D
Acq: 12 Jun 2025 16:55

Tgt Ion:113 Resp: 130787
Ion Ratio Lower Upper
113 100
111 104.1 81.1 121.7
192 18.5 14.2 21.2

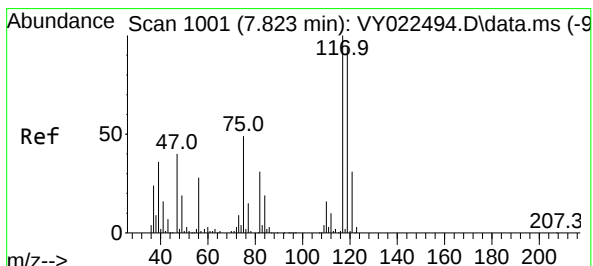
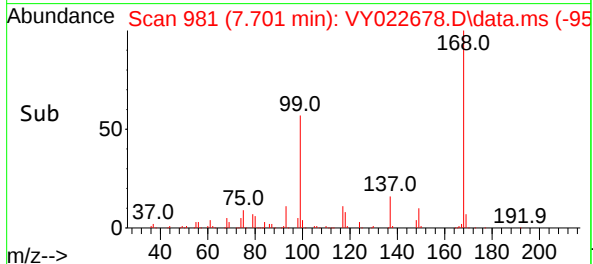
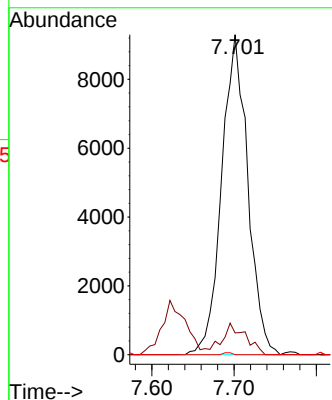
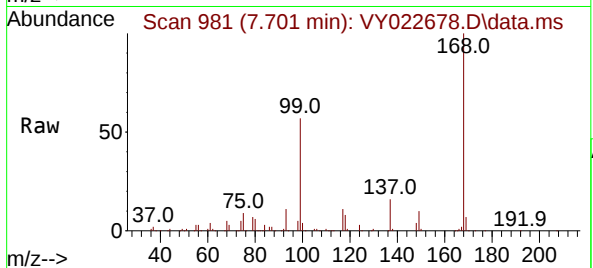




#36
1,1-Dichloropropene
Concen: 4.880 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022678.D
Acq: 12 Jun 2025 16:55

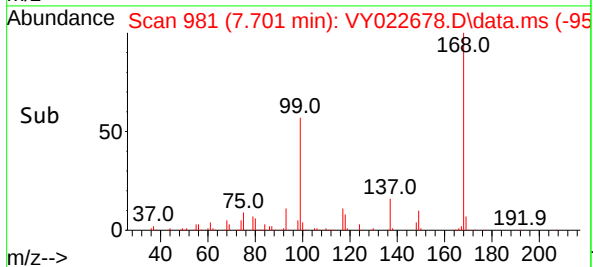
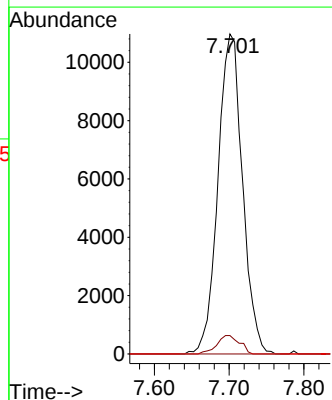
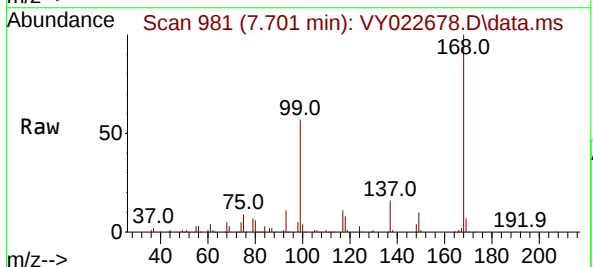
Instrument :
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ClientSampleId :
TP02-MH5-VOC

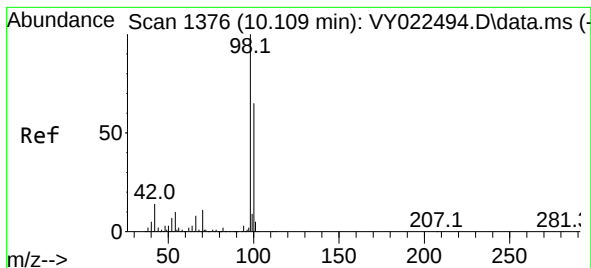
Tgt Ion: 75 Resp: 20502
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.7#
77 0.2 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.813 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY022678.D
Acq: 12 Jun 2025 16:55

Tgt Ion: 117 Resp: 25052
Ion Ratio Lower Upper
117 100
119 5.8 75.0 112.6#
121 0.0 25.0 37.4#

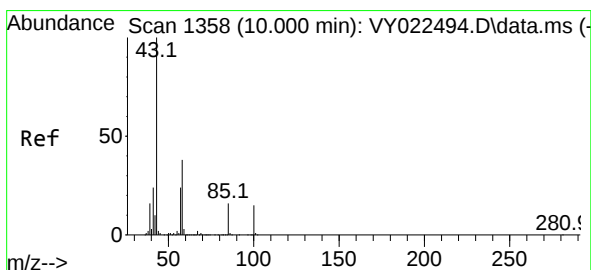
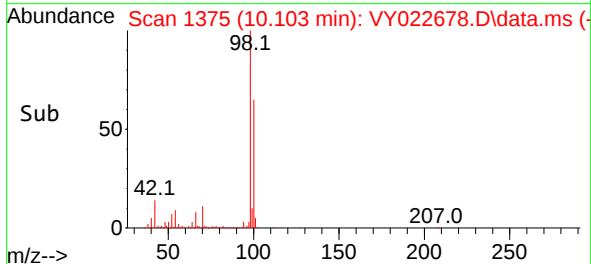
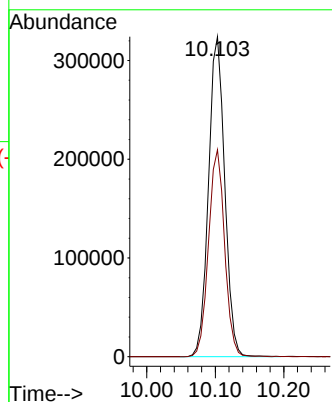
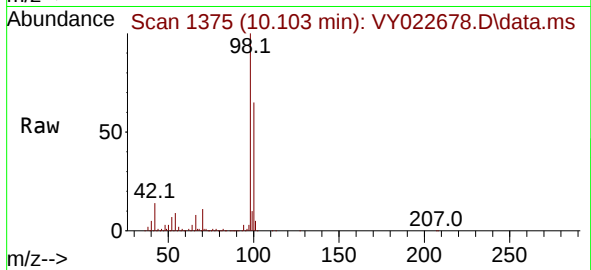




#50
Toluene-d8
Concen: 51.079 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022678.D
Acq: 12 Jun 2025 16:55

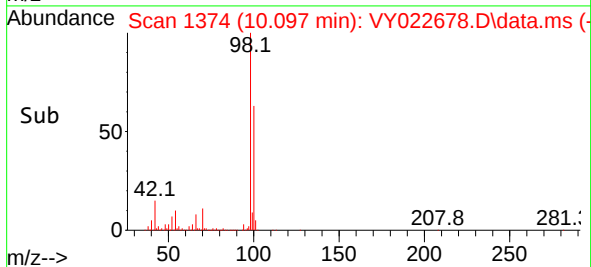
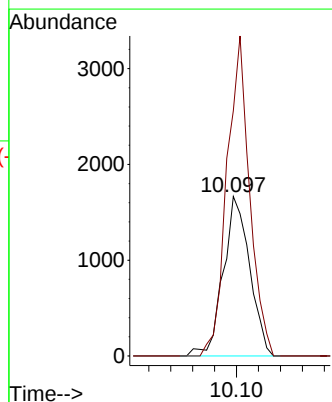
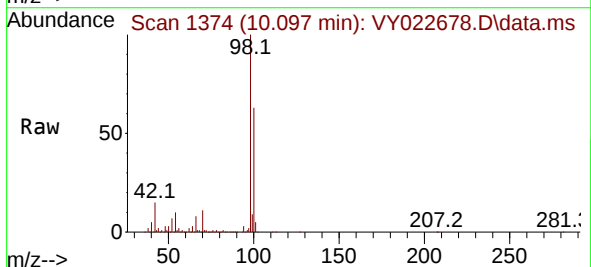
Instrument :
MSVOA_Y
ClientSampleId :
TP02-MH5-VOC

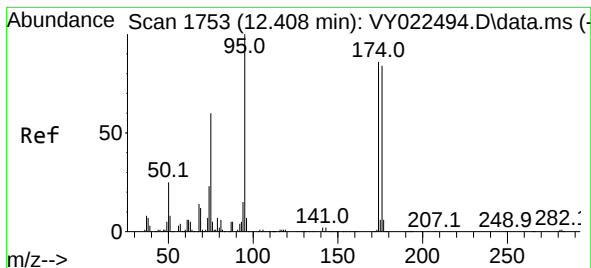
Tgt Ion: 98 Resp: 534269
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.383 ug/l
RT: 10.097 min Scan# 1374
Delta R.T. 0.097 min
Lab File: VY022678.D
Acq: 12 Jun 2025 16:55

Tgt Ion: 43 Resp: 2790
Ion Ratio Lower Upper
43 100
58 172.2 30.4 45.6#

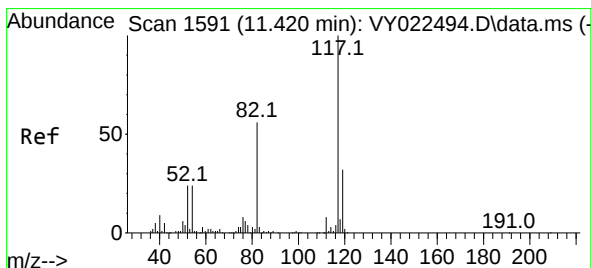
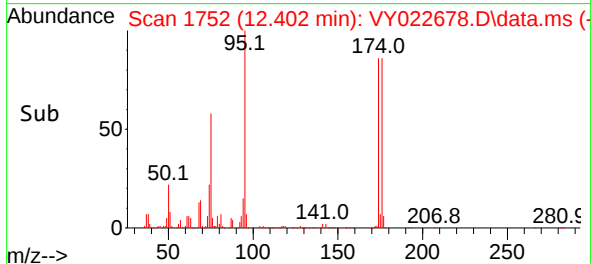
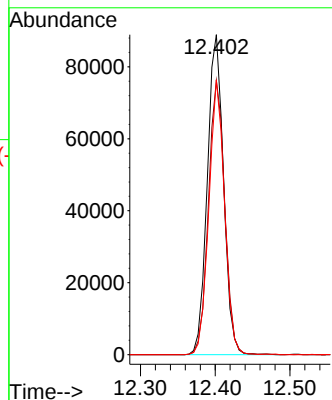
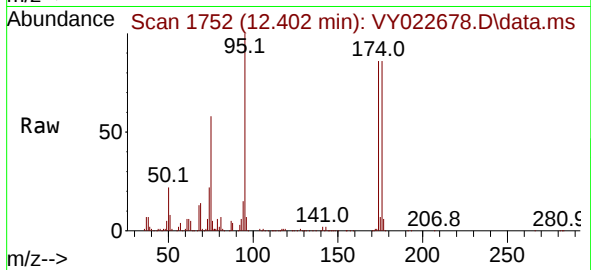




#62
4-Bromofluorobenzene
Concen: 43.035 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022678.D
Acq: 12 Jun 2025 16:55

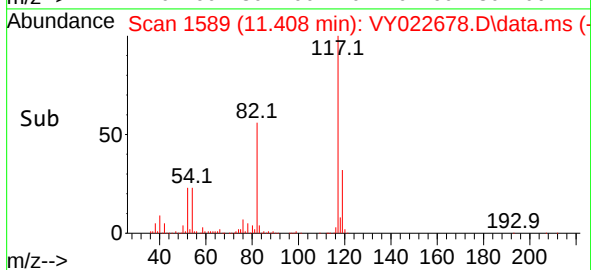
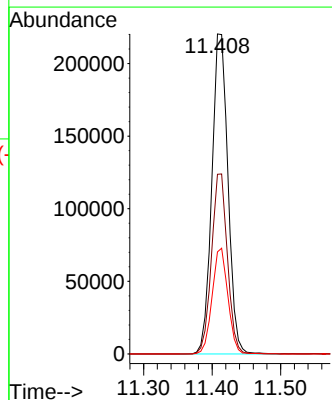
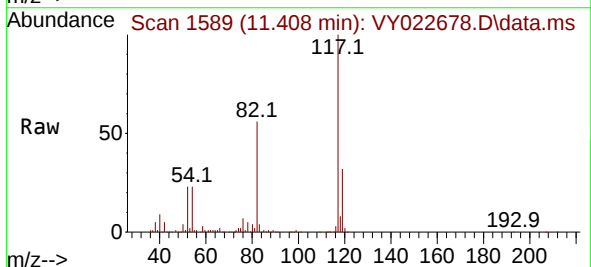
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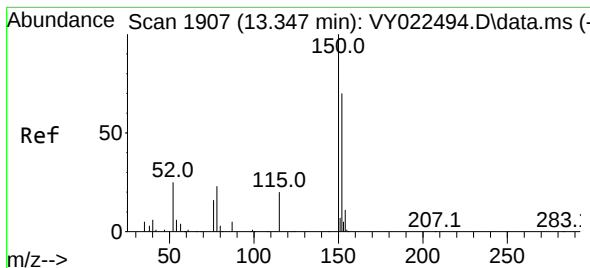
Tgt Ion: 95 Resp: 134115
Ion Ratio Lower Upper
95 100
174 86.5 0.0 170.0
176 82.9 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 1589
Delta R.T. -0.012 min
Lab File: VY022678.D
Acq: 12 Jun 2025 16:55

Tgt Ion: 117 Resp: 359868
Ion Ratio Lower Upper
117 100
82 56.1 44.6 66.8
119 31.9 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: VY022678.D

Acq: 12 Jun 2025 16:55

Instrument :

MSVOA_Y

ClientSampleId :

TP02-MH5-VOC

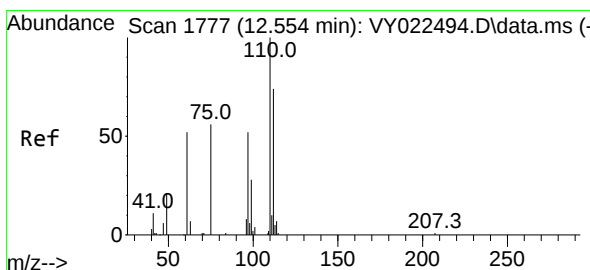
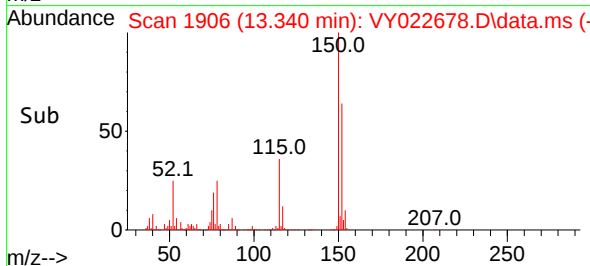
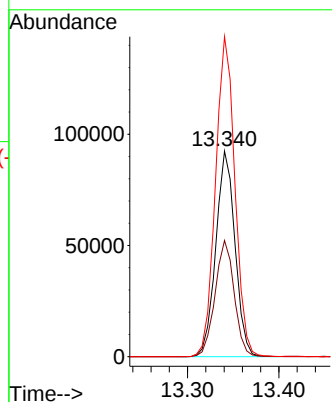
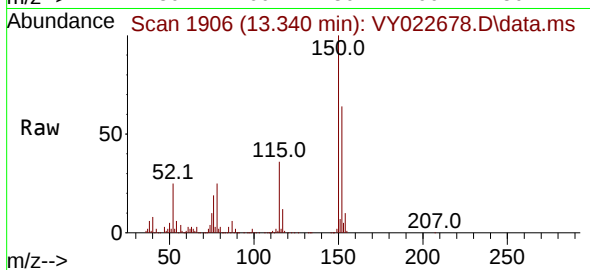
Tgt Ion:152 Resp: 135204

Ion Ratio Lower Upper

152 100

115 56.2 28.9 86.7

150 156.7 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 51.429 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022678.D

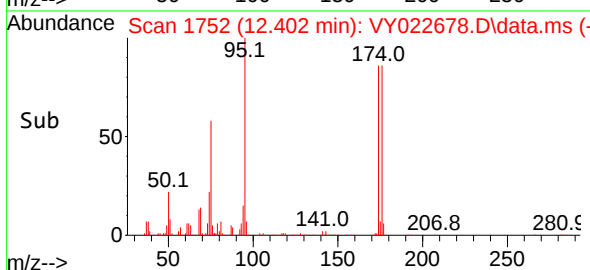
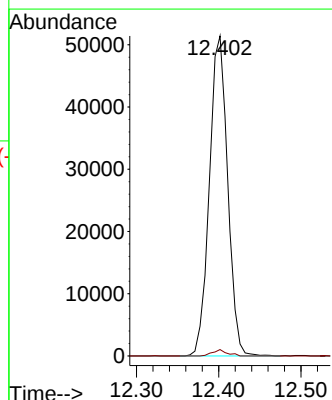
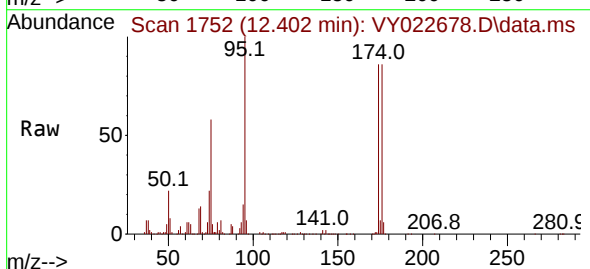
Acq: 12 Jun 2025 16:55

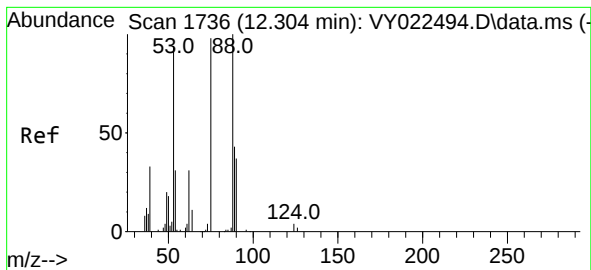
Tgt Ion: 75 Resp: 79550

Ion Ratio Lower Upper

75 100

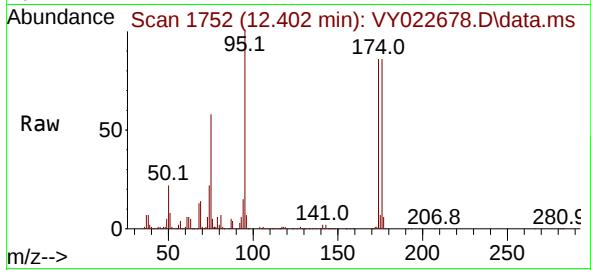
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.199 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022678.D
 Acq: 12 Jun 2025 16:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP02-MH5-VOC



Tgt Ion: 75 Resp: 79550
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 35.7 53.5#

