

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022626.D
 Acq On : 09 Jun 2025 13:36
 Operator : SY/MD
 Sample : Q2244-02
 Misc : 5.96g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP03-MHC-VOC

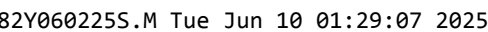
Quant Time: Jun 10 01:28:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

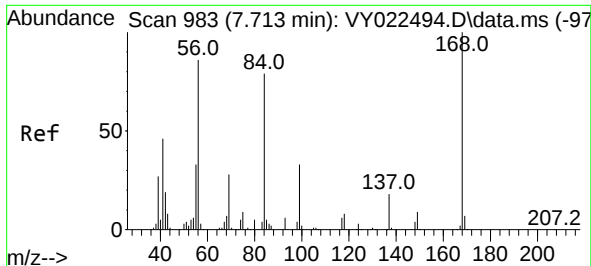
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	285760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	530976	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	426137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	152100	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	153629	48.068	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.140%			
35) Dibromofluoromethane	7.640	113	159802	50.422	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.840%			
50) Toluene-d8	10.109	98	642201	50.149	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.300%			
62) 4-Bromofluorobenzene	12.408	95	155434	40.737	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.480%			
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.622	84	4607	1.250	ug/l	93
31) Cyclohexane	7.713	56	8082	1.316	ug/l #	22
36) 1,1-Dichloropropene	7.707	75	24844	4.830	ug/l #	50
38) Carbon Tetrachloride	7.707	117	30183	5.720	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	3314	1.342	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	93428	53.692	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	93428	129.662	ug/l #	11

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

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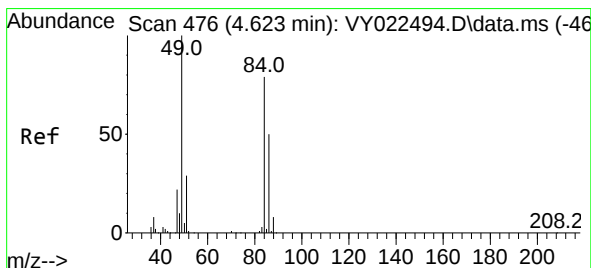
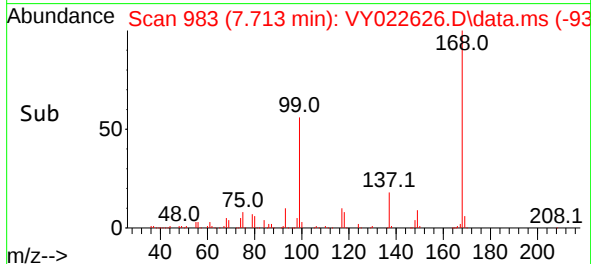
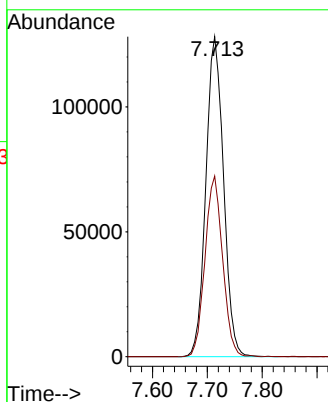
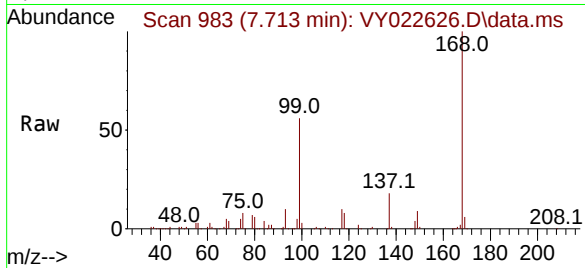




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022626.D
Acq: 09 Jun 2025 13:36

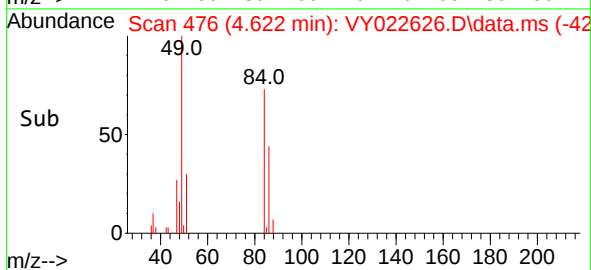
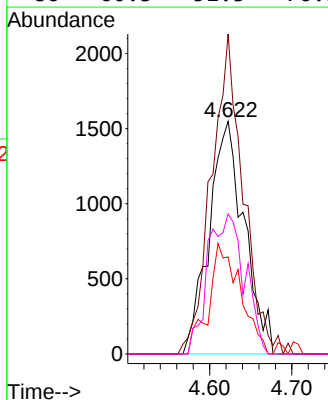
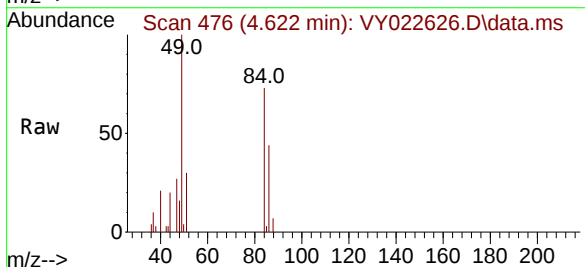
Instrument :
MSVOA_Y
ClientSampleId :
TP03-MHC-VOC

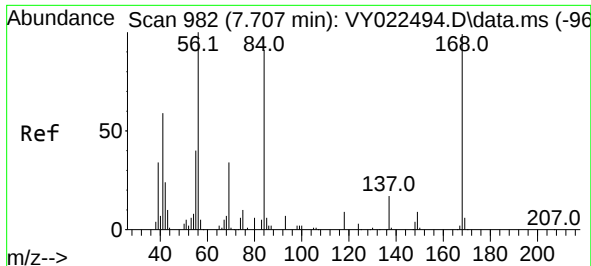
Tgt Ion:168 Resp: 285760
Ion Ratio Lower Upper
168 100
99 56.4 44.3 66.5



#20
Methylene Chloride
Concen: 1.250 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022626.D
Acq: 09 Jun 2025 13:36

Tgt Ion: 84 Resp: 4607
Ion Ratio Lower Upper
84 100
49 137.6 101.9 152.9
51 41.7 29.8 44.8
86 60.3 51.3 76.9

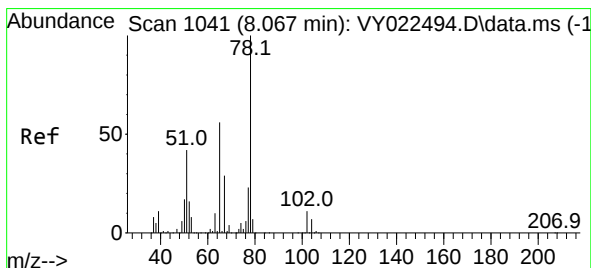
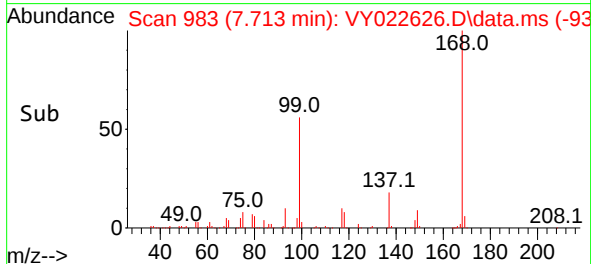
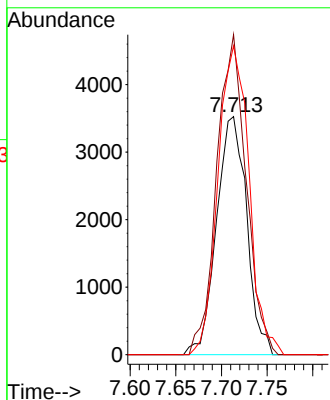
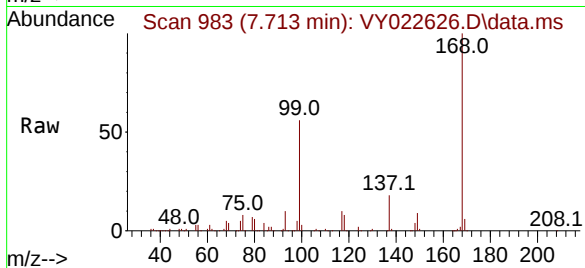




#31
Cyclohexane
Concen: 1.316 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022626.D
Acq: 09 Jun 2025 13:36

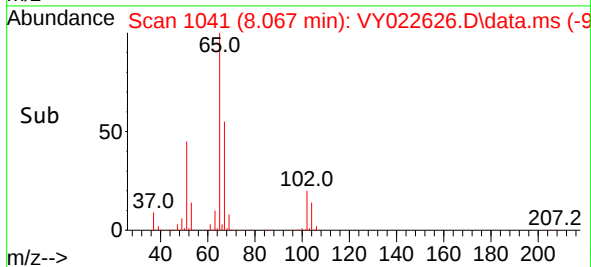
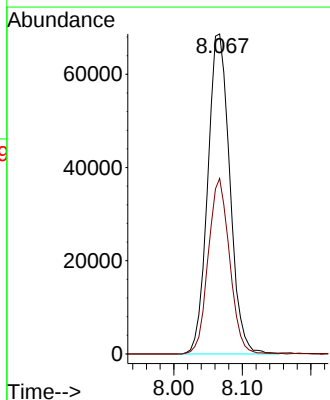
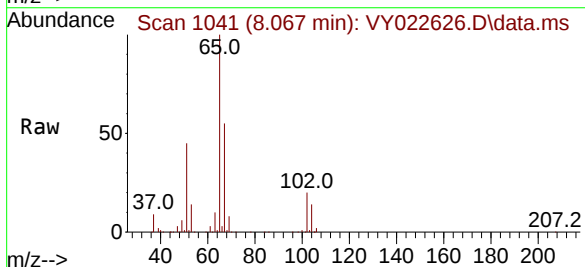
Instrument :
MSVOA_Y
ClientSampleId :
TP03-MHC-VOC

Tgt Ion: 56 Resp: 8082
Ion Ratio Lower Upper
56 100
69 134.4 27.0 40.6#
84 129.7 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 48.068 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022626.D
Acq: 09 Jun 2025 13:36

Tgt Ion: 65 Resp: 153629
Ion Ratio Lower Upper
65 100
67 52.9 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: VY022626.D

Acq: 09 Jun 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

TP03-MHC-VOC

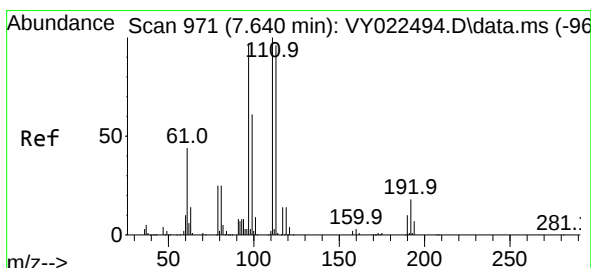
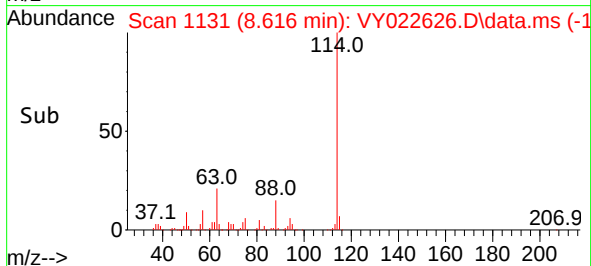
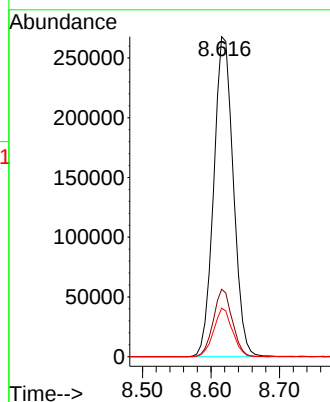
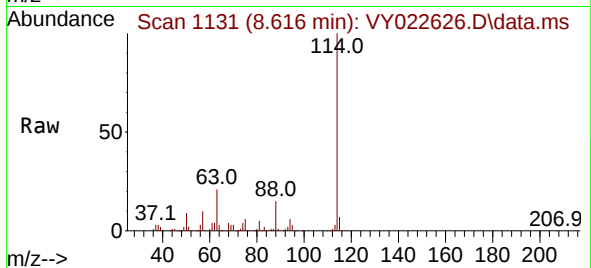
Tgt Ion:114 Resp: 530976

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 15.2 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.422 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY022626.D

Acq: 09 Jun 2025 13:36

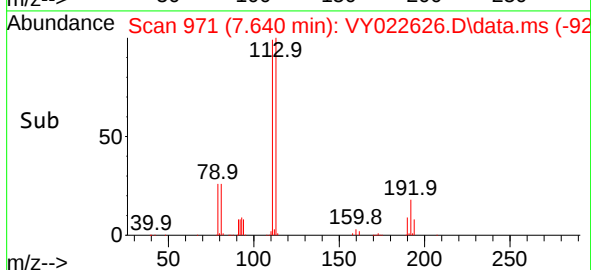
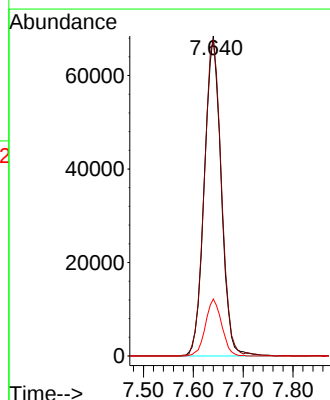
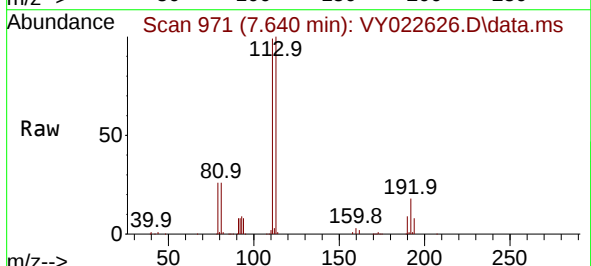
Tgt Ion:113 Resp: 159802

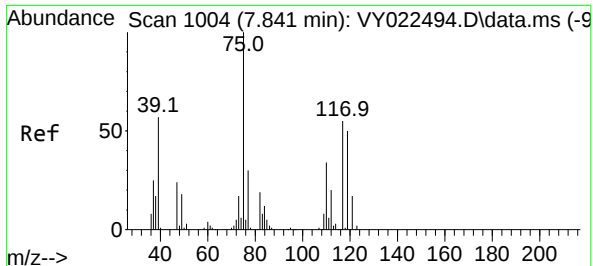
Ion Ratio Lower Upper

113 100

111 101.1 81.1 121.7

192 17.3 14.2 21.2





#36

1,1-Dichloropropene

Concen: 4.830 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.134 min

Lab File: VY022626.D

Acq: 09 Jun 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

TP03-MHC-VOC

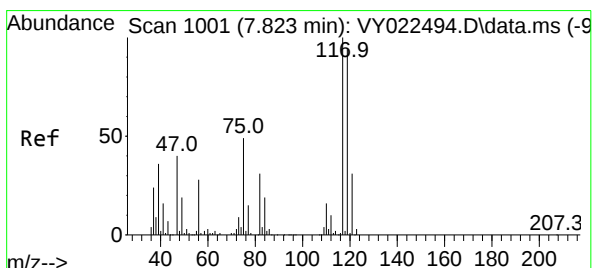
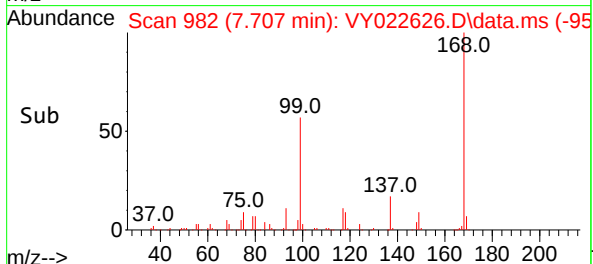
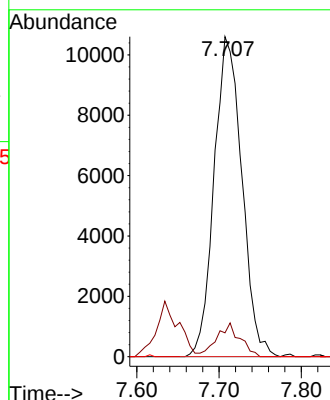
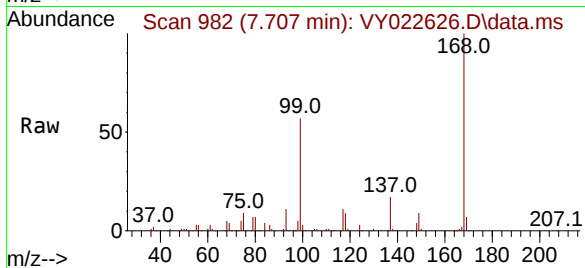
Tgt Ion: 75 Resp: 24844

Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.720 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022626.D

Acq: 09 Jun 2025 13:36

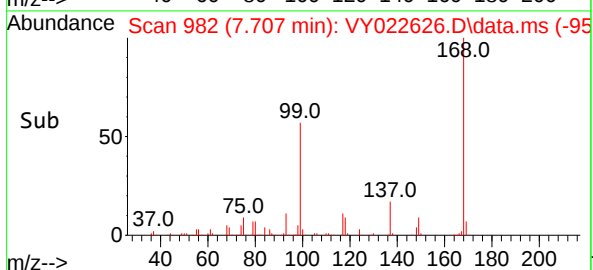
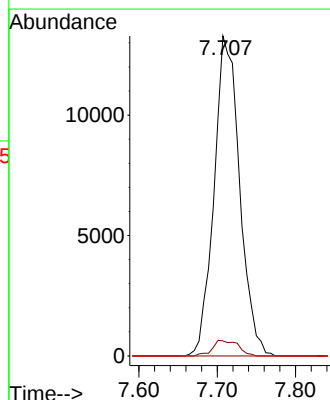
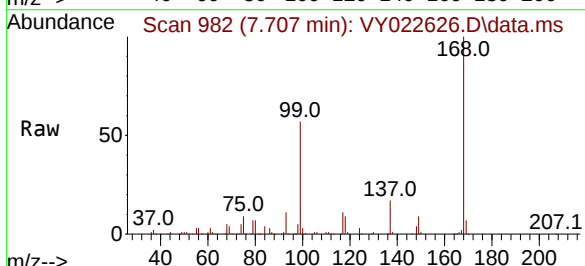
Tgt Ion: 117 Resp: 30183

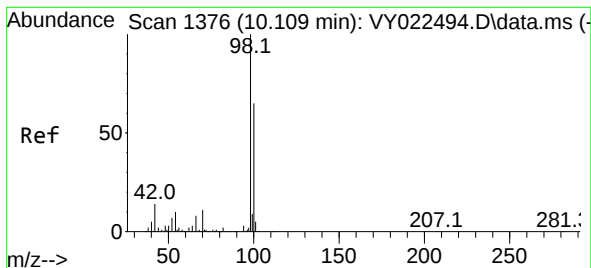
Ion Ratio Lower Upper

117 100

119 4.7 75.0 112.6#

121 0.0 25.0 37.4#

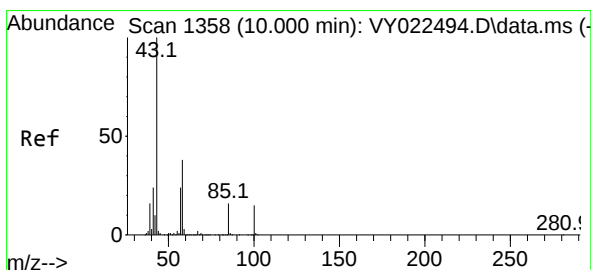
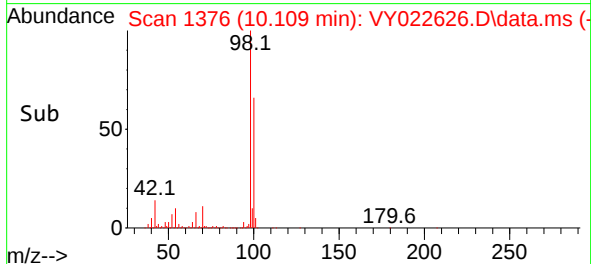
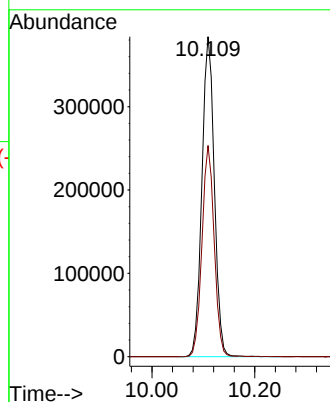
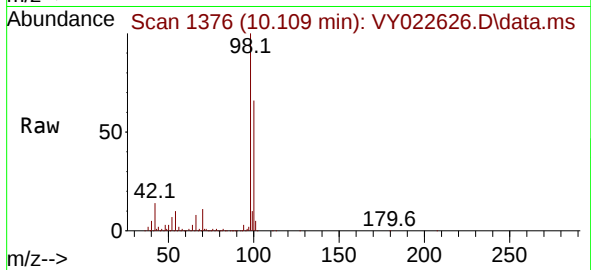




#50
Toluene-d8
Concen: 50.149 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022626.D
Acq: 09 Jun 2025 13:36

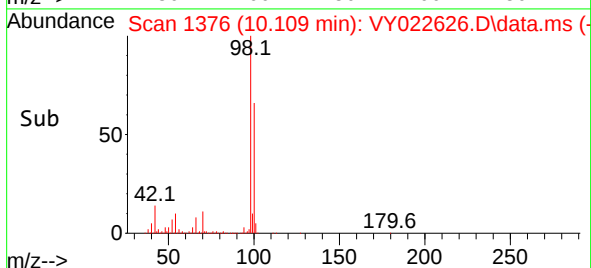
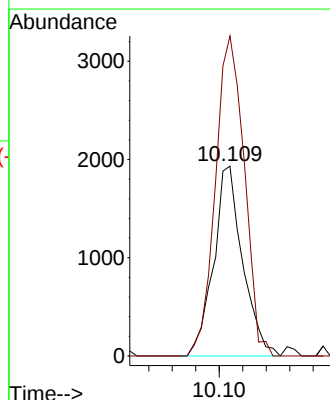
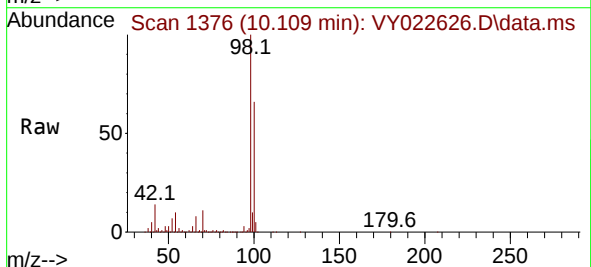
Instrument :
MSVOA_Y
ClientSampleId :
TP03-MHC-VOC

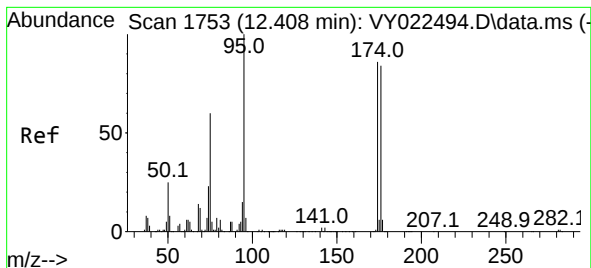
Tgt Ion: 98 Resp: 642201
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.342 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY022626.D
Acq: 09 Jun 2025 13:36

Tgt Ion: 43 Resp: 3314
Ion Ratio Lower Upper
43 100
58 168.0 30.4 45.6#

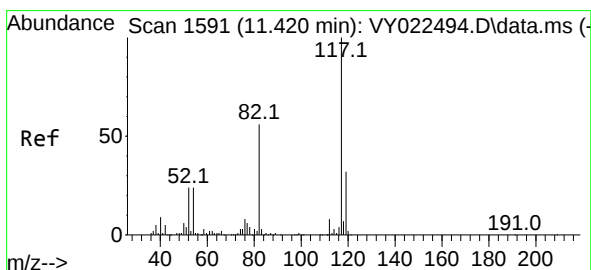
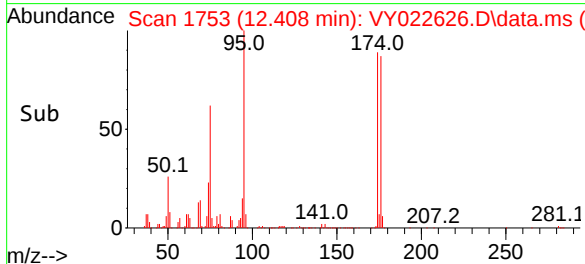
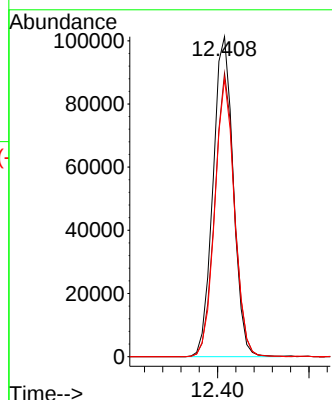
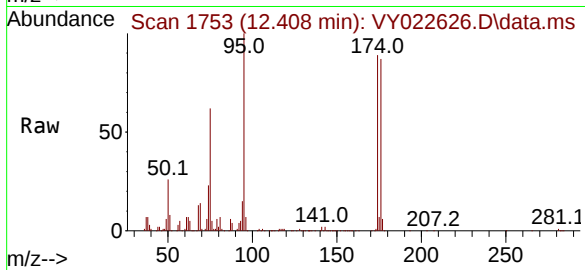




#62
4-Bromofluorobenzene
Concen: 40.737 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022626.D
Acq: 09 Jun 2025 13:36

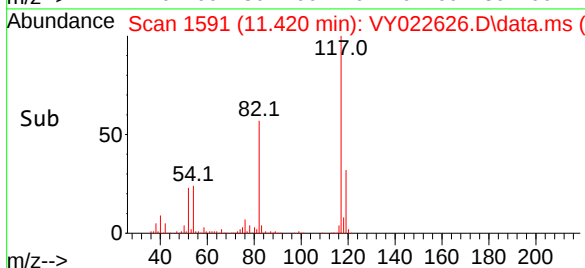
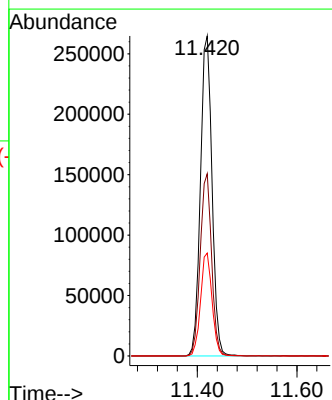
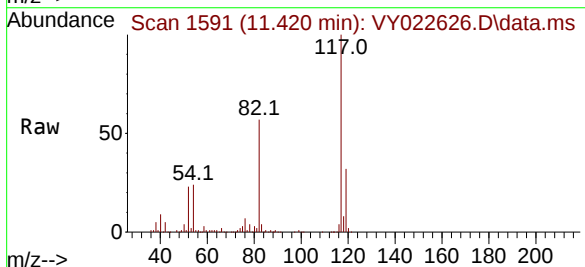
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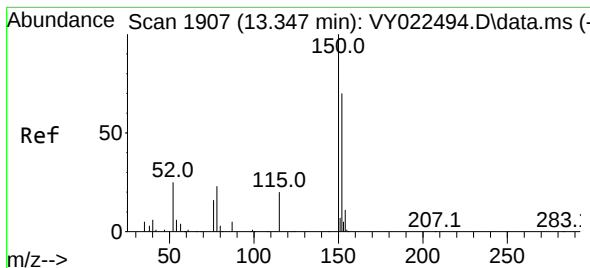
Tgt Ion: 95 Resp: 155434
Ion Ratio Lower Upper
95 100
174 86.4 0.0 170.0
176 84.3 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022626.D
Acq: 09 Jun 2025 13:36

Tgt Ion: 117 Resp: 426137
Ion Ratio Lower Upper
117 100
82 57.0 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: VY022626.D

Acq: 09 Jun 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

TP03-MHC-VOC

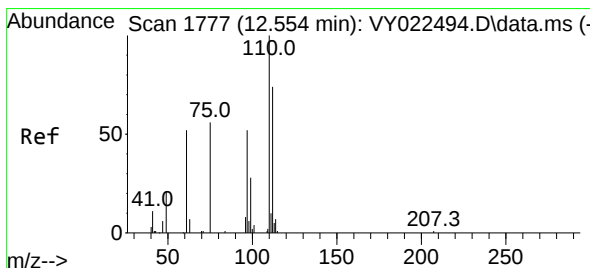
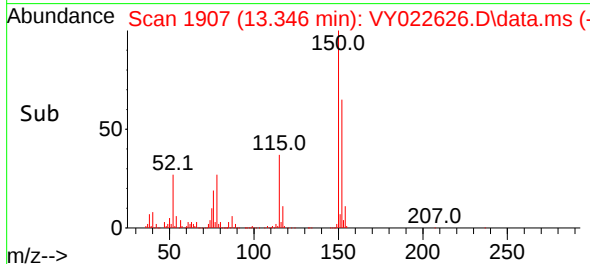
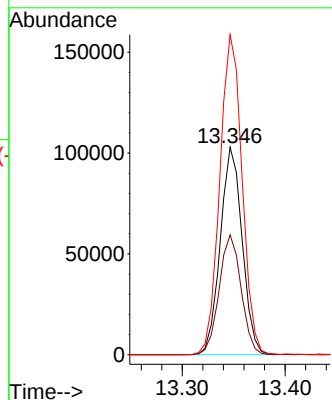
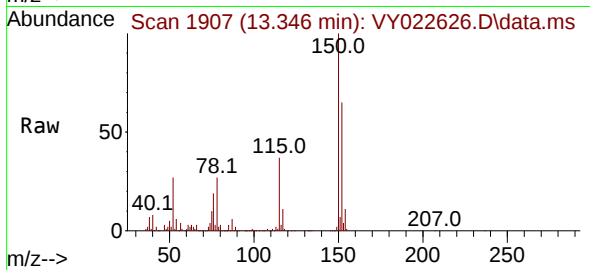
Tgt Ion:152 Resp: 152100

Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.7

150 157.0 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 53.692 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022626.D

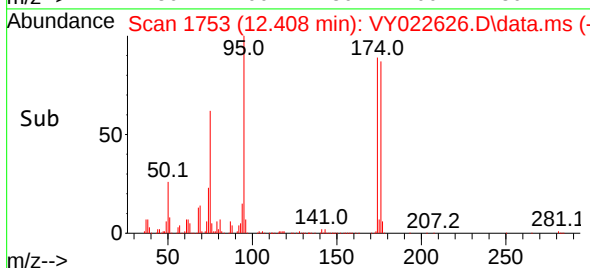
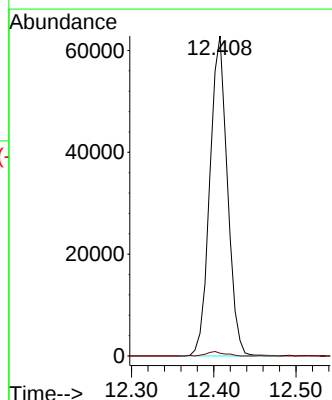
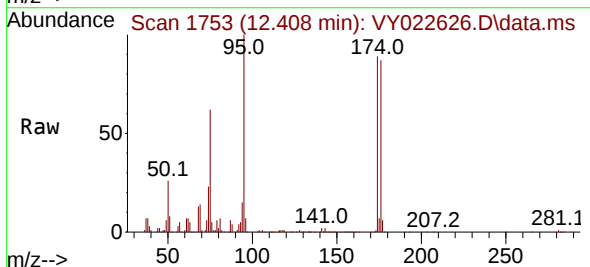
Acq: 09 Jun 2025 13:36

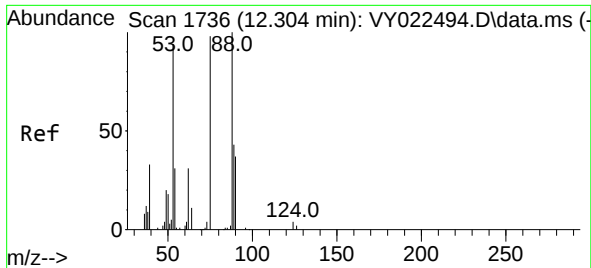
Tgt Ion: 75 Resp: 93428

Ion Ratio Lower Upper

75 100

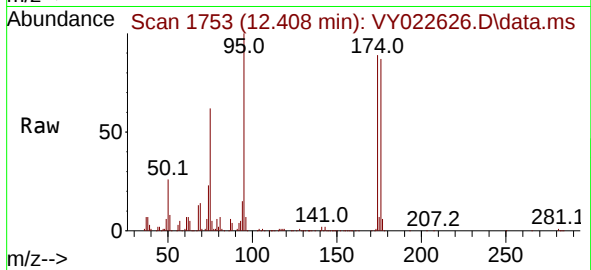
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.662 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY022626.D
 Acq: 09 Jun 2025 13:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP03-MHC-VOC



Tgt Ion: 75 Resp: 93428
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.1 35.7 53.5#

