

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
 Data File : VY022704.D
 Acq On : 16 Jun 2025 14:12
 Operator : SY/MD
 Sample : Q2312-03
 Misc : 4.93g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

Quant Time: Jun 17 05:54:15 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)

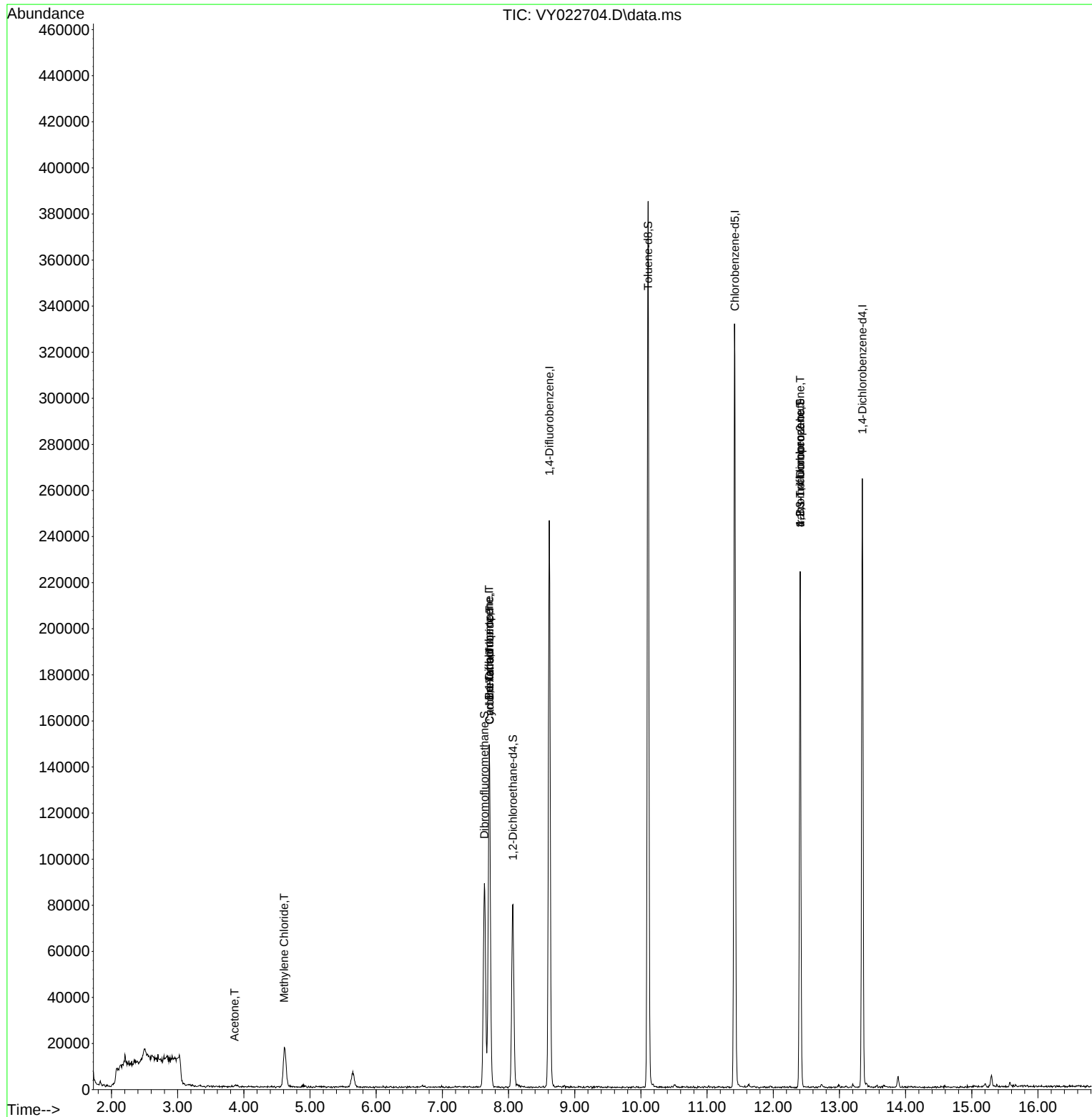
Internal Standards						
1) Pentafluorobenzene	7.707	168	106896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	201024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	165211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	61995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	60424	50.540	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.080%	
35) Dibromofluoromethane	7.634	113	60637	50.536	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.080%	
50) Toluene-d8	10.109	98	239392	49.377	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.760%	
62) 4-Bromofluorobenzene	12.408	95	60765	42.066	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.140%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	502	2.068	ug/l #	45
20) Methylene Chloride	4.610	84	12603	9.138	ug/l	91
31) Cyclohexane	7.713	56	2992	1.302	ug/l #	37
36) 1,1-Dichloropropene	7.707	75	9813	5.039	ug/l #	51
38) Carbon Tetrachloride	7.713	117	10800	5.406	ug/l #	18
76) 1,2,3-Trichloropropane	12.408	75	35964	50.707	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	35964	122.455	ug/l #	10

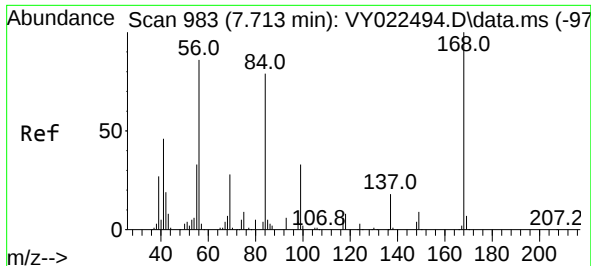
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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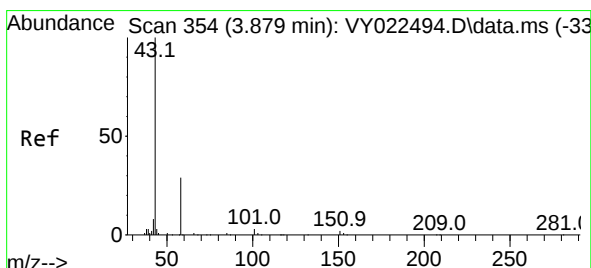
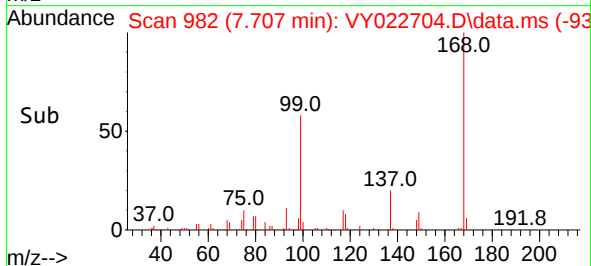
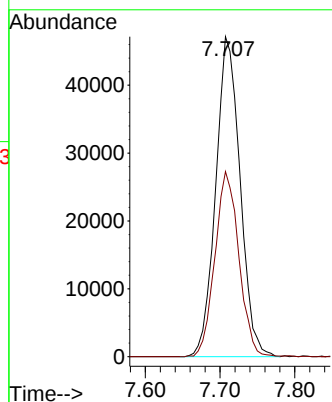
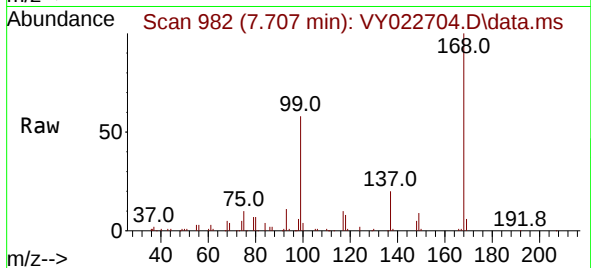




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022704.D
Acq: 16 Jun 2025 14:12

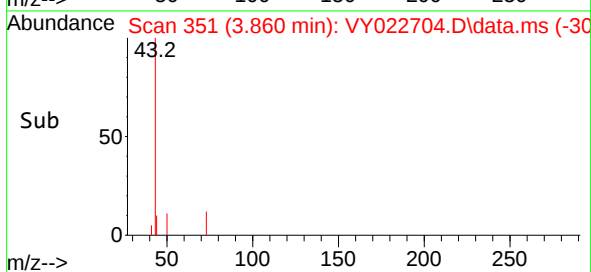
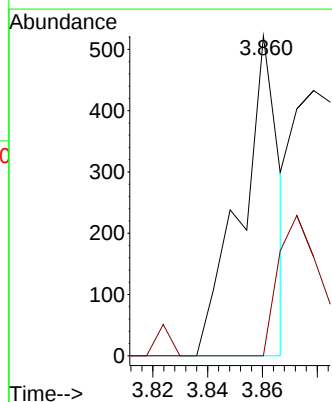
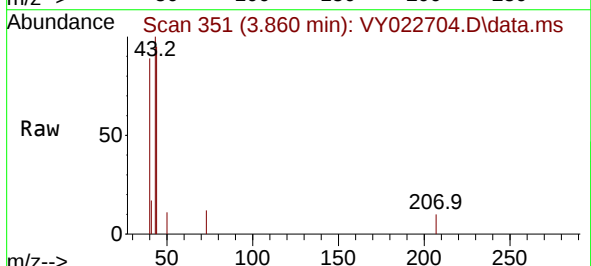
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

Tgt Ion:168 Resp: 106896
Ion Ratio Lower Upper
168 100
99 57.8 44.3 66.5



#16
Acetone
Concen: 2.068 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022704.D
Acq: 16 Jun 2025 14:12

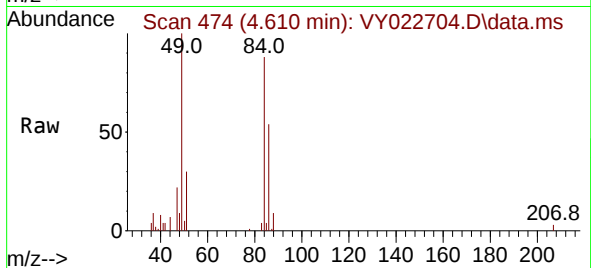
Tgt Ion: 43 Resp: 502
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#



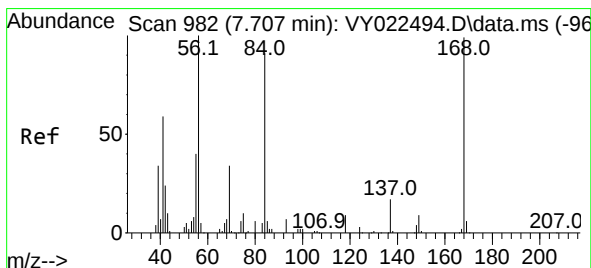
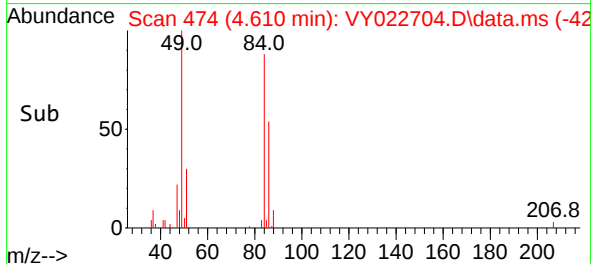
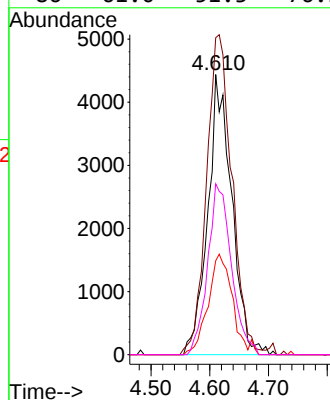


#20
Methylene Chloride
Concen: 9.138 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022704.D
Acq: 16 Jun 2025 14:12

Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

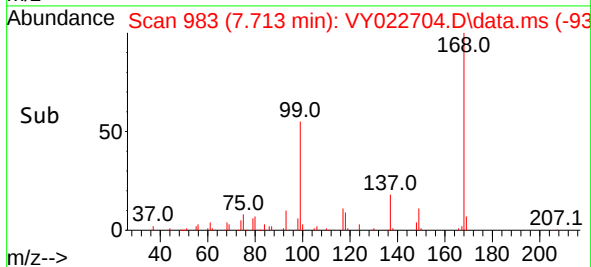
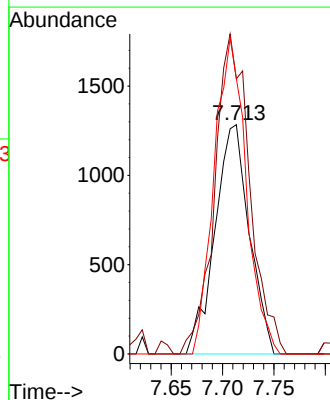
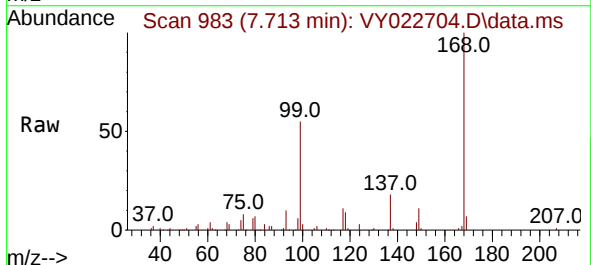


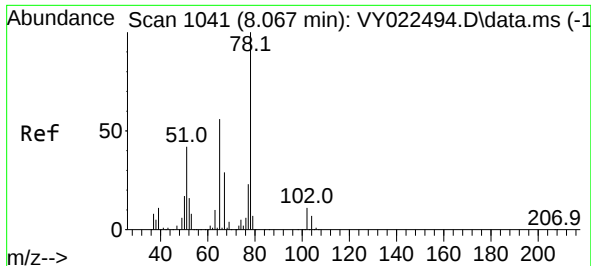
Tgt Ion:	84	Resp:	12603
Ion	Ratio	Lower	Upper
84	100		
49	113.1	101.9	152.9
51	33.5	29.8	44.8
86	61.0	51.3	76.9



#31
Cyclohexane
Concen: 1.302 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY022704.D
Acq: 16 Jun 2025 14:12

Tgt Ion:	56	Resp:	2992
Ion	Ratio	Lower	Upper
56	100		
69	119.9	27.0	40.6#
84	120.1	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 50.540 ug/l

RT: 8.067 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022704.D

Acq: 16 Jun 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

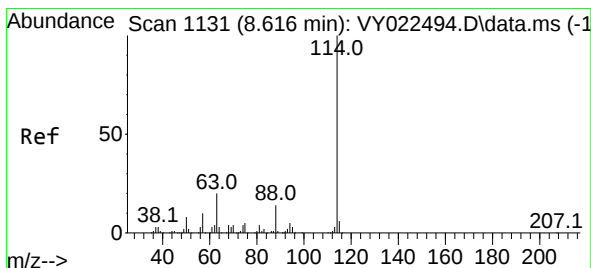
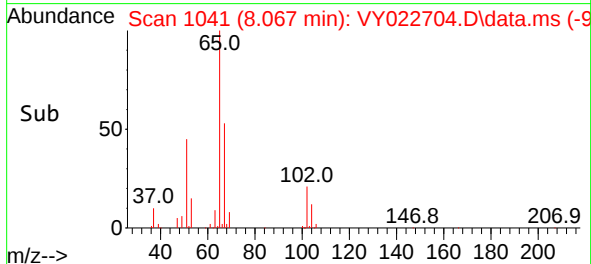
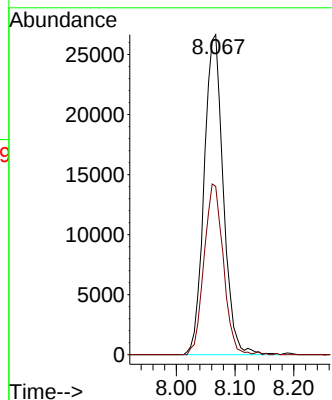
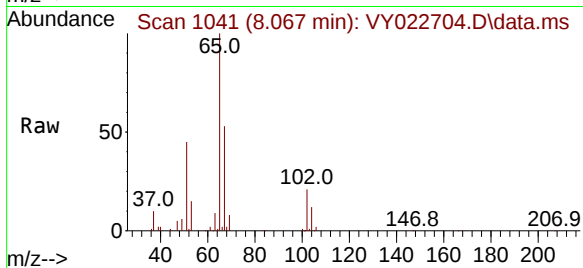
TP-1-VOC

Tgt Ion: 65 Resp: 60424

Ion Ratio Lower Upper

65 100

67 53.5 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: VY022704.D

Acq: 16 Jun 2025 14:12

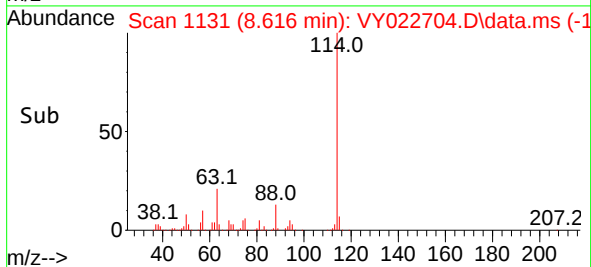
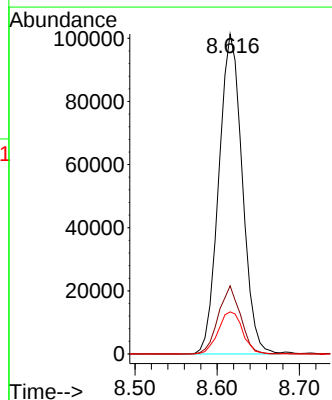
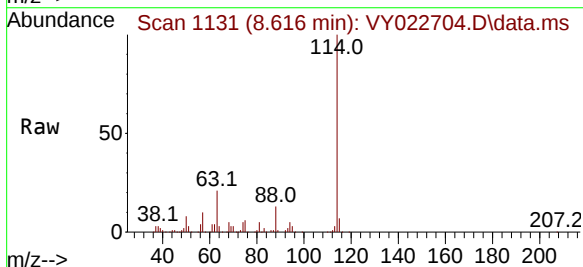
Tgt Ion: 114 Resp: 201024

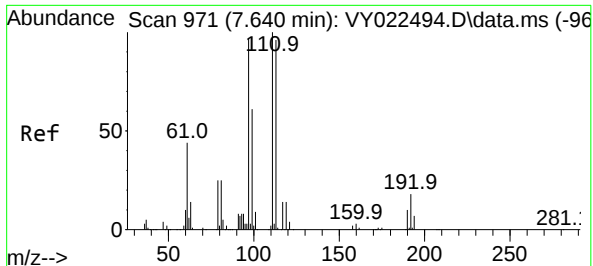
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

88 13.2 0.0 27.8





#35

Dibromofluoromethane

Concen: 50.536 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022704.D

Acq: 16 Jun 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

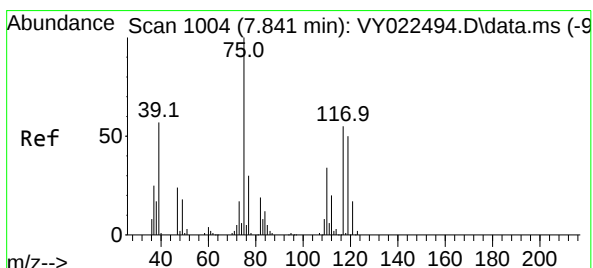
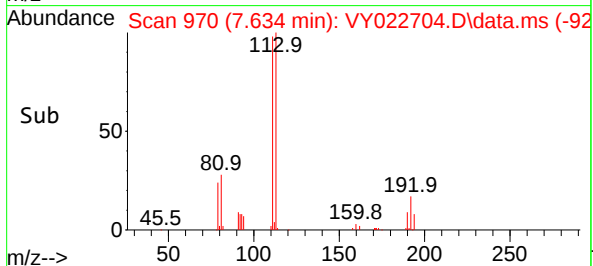
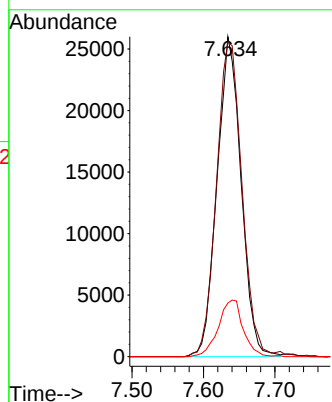
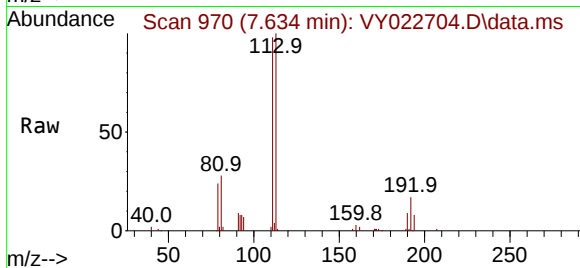
Tgt Ion:113 Resp: 60637

Ion Ratio Lower Upper

113 100

111 105.0 81.1 121.7

192 18.4 14.2 21.2



#36

1,1-Dichloropropene

Concen: 5.039 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022704.D

Acq: 16 Jun 2025 14:12

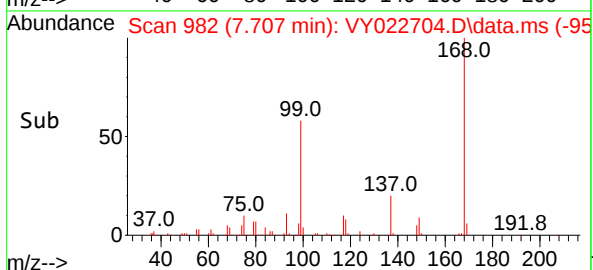
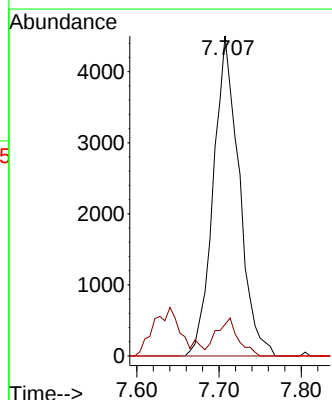
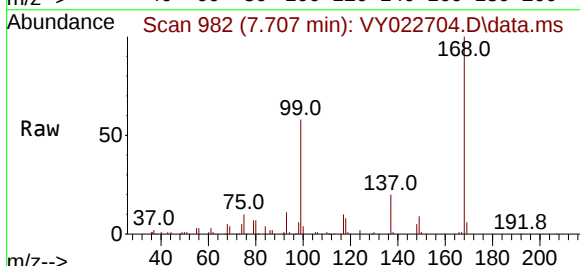
Tgt Ion: 75 Resp: 9813

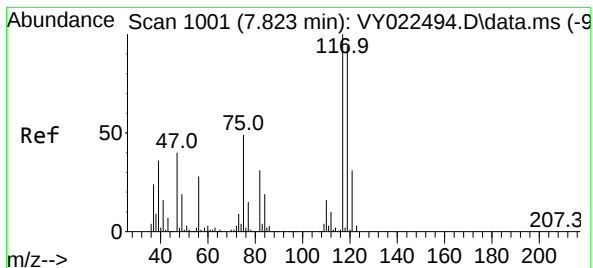
Ion Ratio Lower Upper

75 100

110 9.9 16.9 50.7#

77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.406 ug/l

RT: 7.713 min Scan# 9

Delta R.T. -0.110 min

Lab File: VY022704.D

Acq: 16 Jun 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

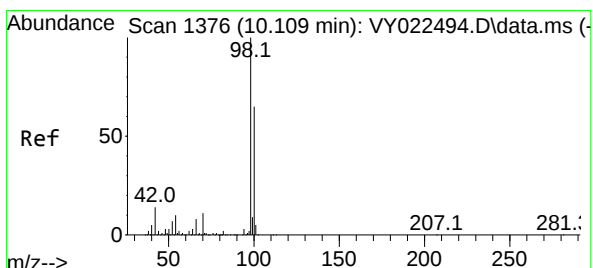
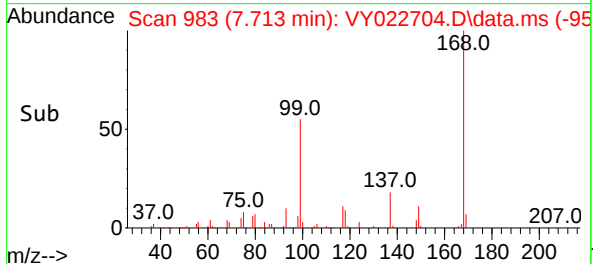
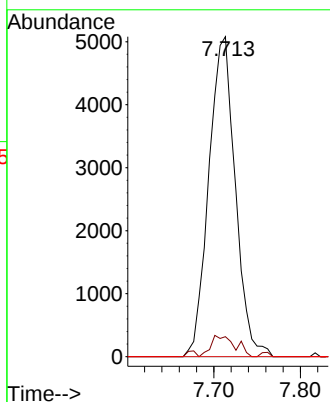
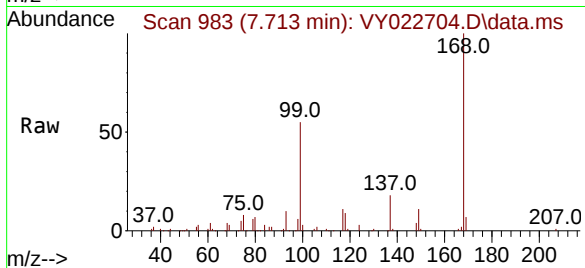
Tgt Ion:117 Resp: 10800

Ion Ratio Lower Upper

117 100

119 6.3 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 49.377 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022704.D

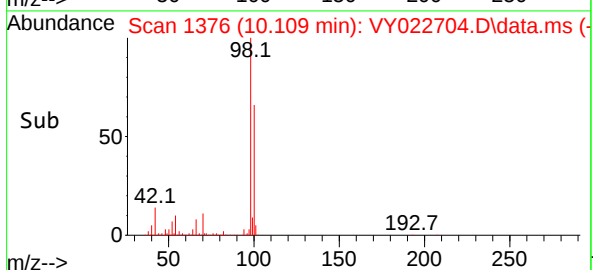
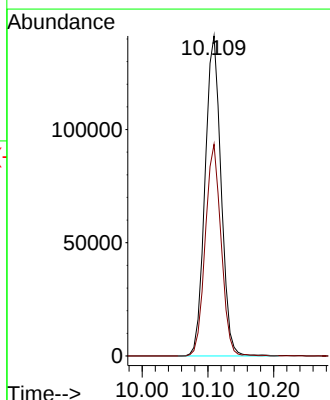
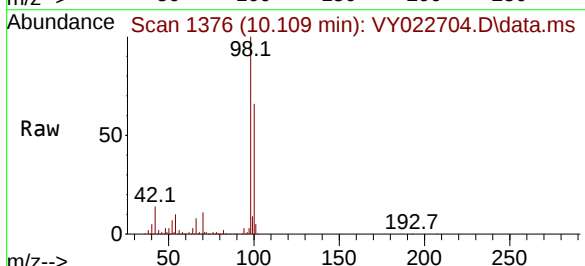
Acq: 16 Jun 2025 14:12

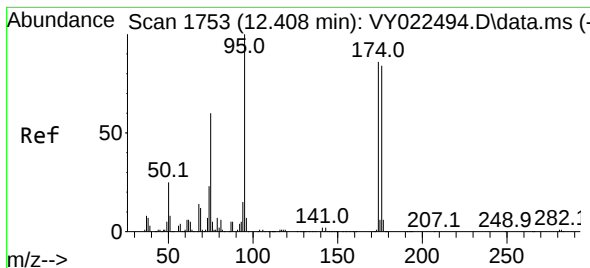
Tgt Ion: 98 Resp: 239392

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 42.066 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY022704.D

Acq: 16 Jun 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

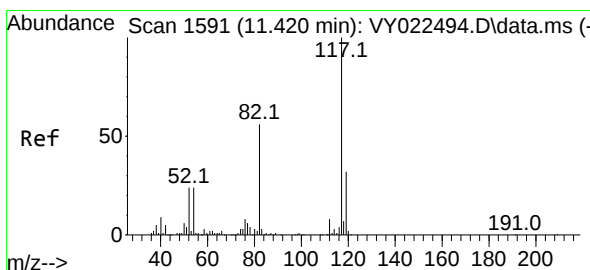
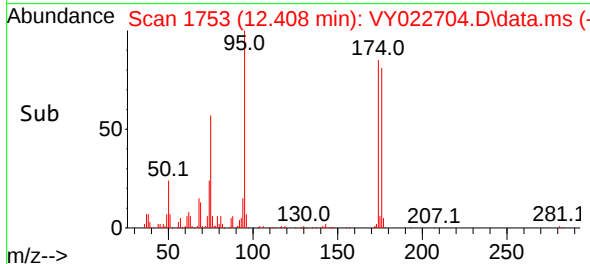
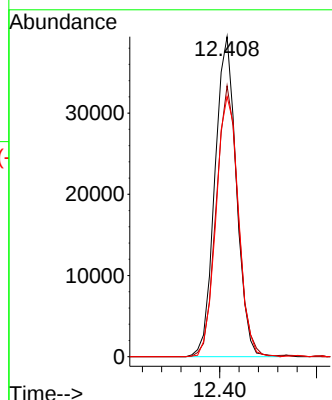
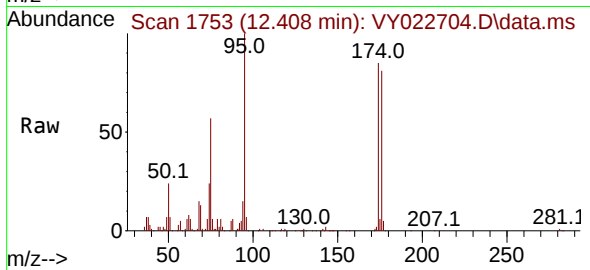
Tgt Ion: 95 Resp: 60765

Ion Ratio Lower Upper

95 100

174 86.1 0.0 170.0

176 84.8 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: VY022704.D

Acq: 16 Jun 2025 14:12

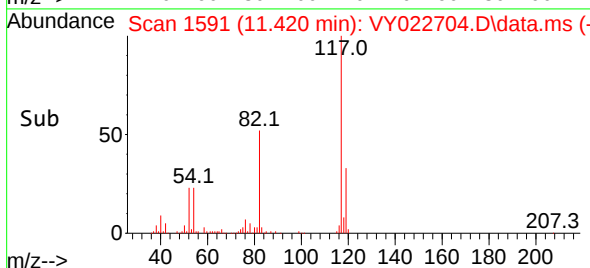
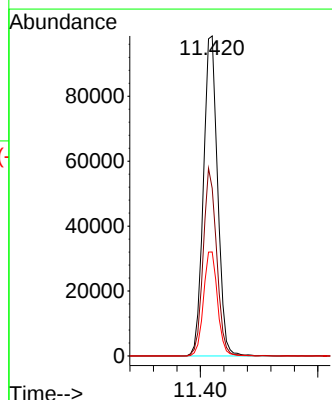
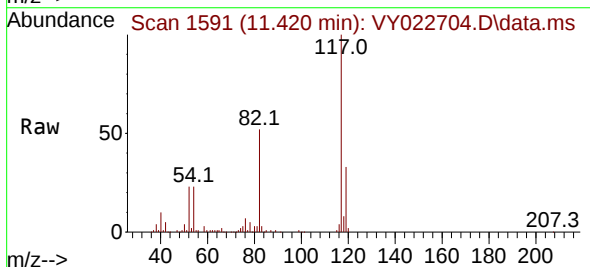
Tgt Ion: 117 Resp: 165211

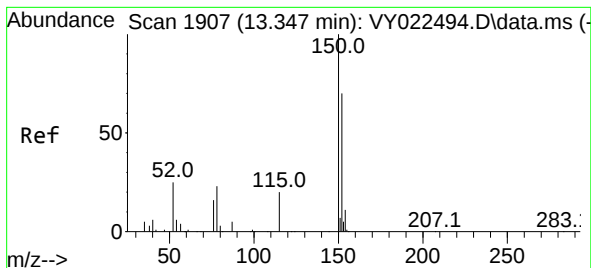
Ion Ratio Lower Upper

117 100

82 52.4 44.6 66.8

119 32.5 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: VY022704.D

Acq: 16 Jun 2025 14:12

Instrument :

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TP-1-VOC

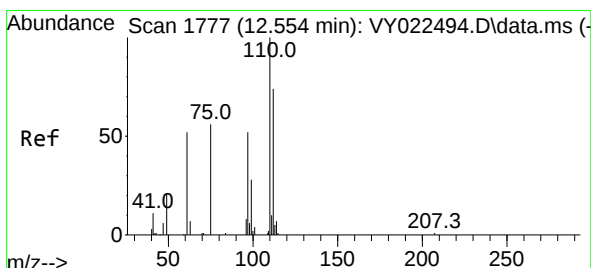
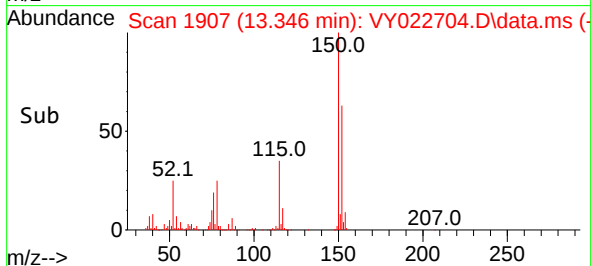
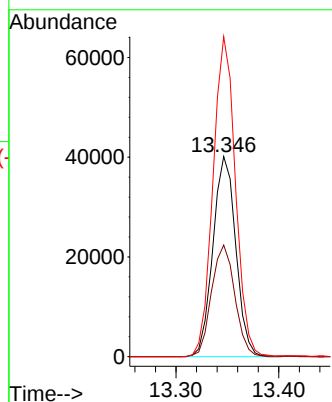
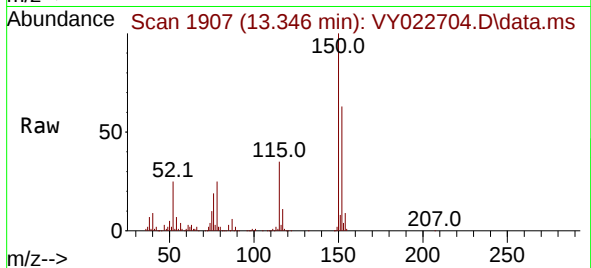
Tgt Ion:152 Resp: 61995

Ion Ratio Lower Upper

152 100

115 56.8 28.9 86.7

150 157.1 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 50.707 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022704.D

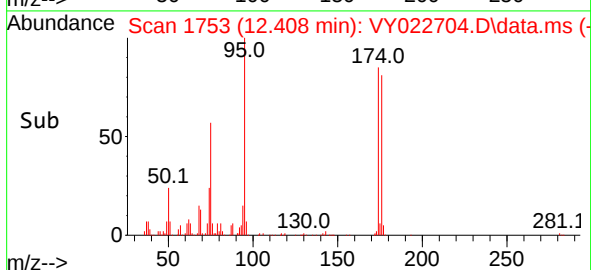
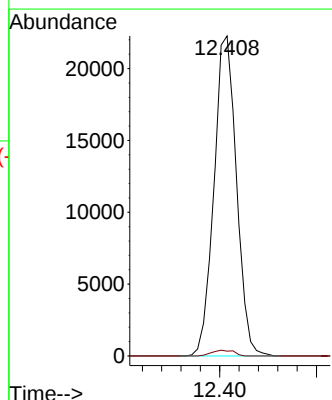
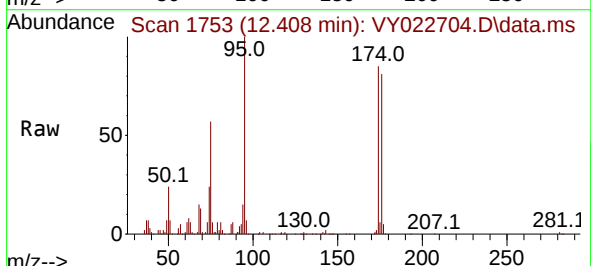
Acq: 16 Jun 2025 14:12

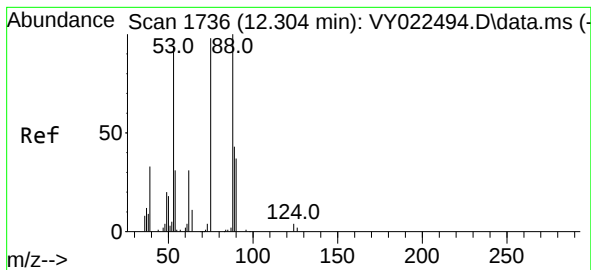
Tgt Ion: 75 Resp: 35964

Ion Ratio Lower Upper

75 100

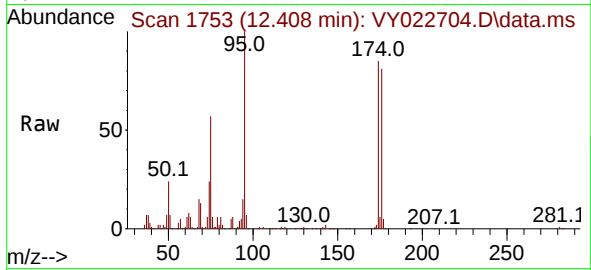
77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.455 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022704.D
 Acq: 16 Jun 2025 14:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC



Tgt Ion: 75 Resp: 35964
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 35.7 53.5#

