

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022606.D
 Acq On : 06 Jun 2025 17:36
 Operator : SY/MD
 Sample : Q2227-02
 Misc : 6.25g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP07-MHH-VOC

Quant Time: Jun 06 23:46:25 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)

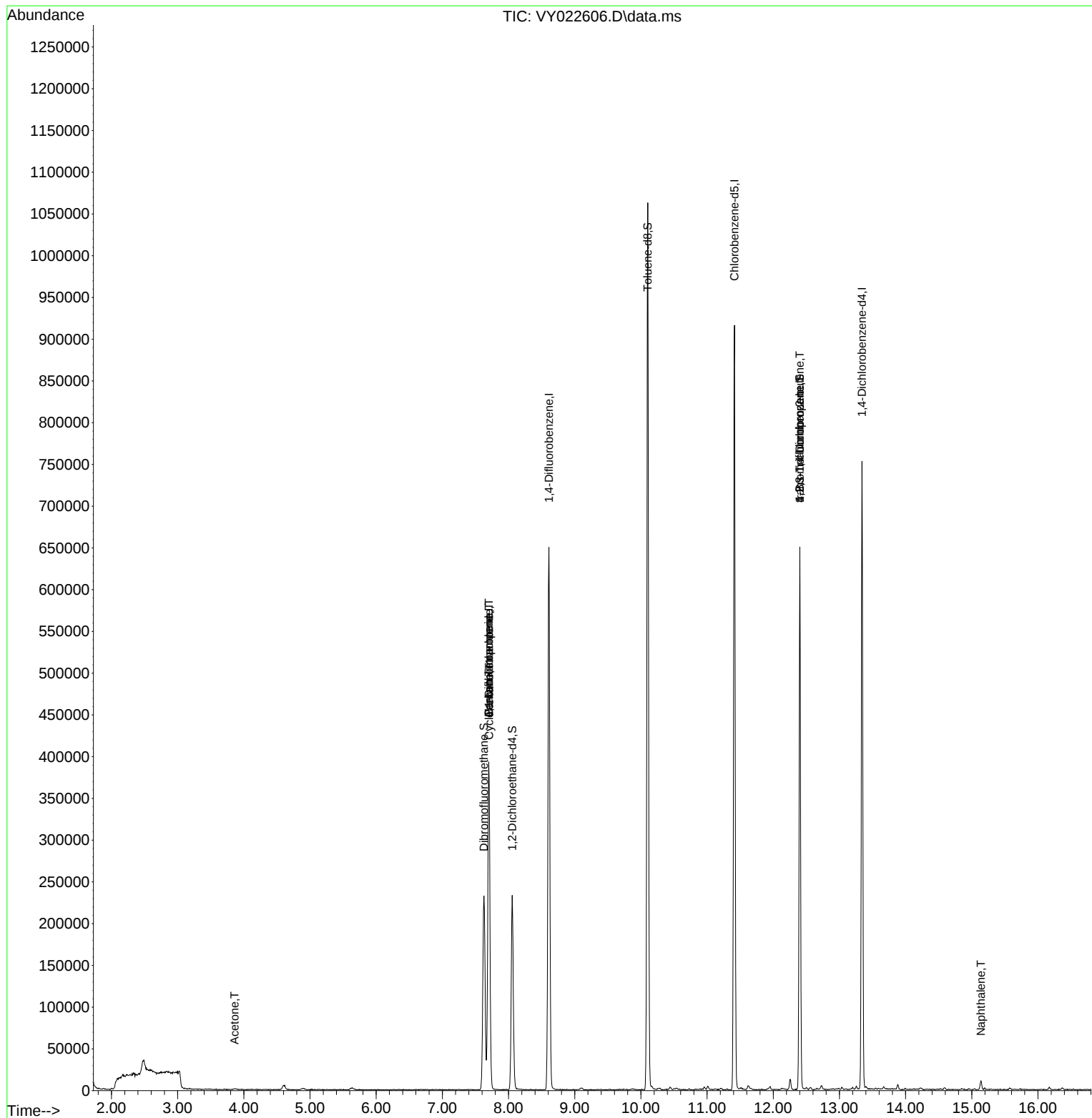
Internal Standards						
1) Pentafluorobenzene	7.701	168	286999	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	534823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	445217	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	168499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	168873	52.610	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.220%	
35) Dibromofluoromethane	7.628	113	160940	50.416	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.840%	
50) Toluene-d8	10.103	98	652714	50.603	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.200%	
62) 4-Bromofluorobenzene	12.401	95	167610	43.612	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.220%	
Target Compounds						Qvalue
16) Acetone	3.860	43	1926	2.954	ug/l #	74
31) Cyclohexane	7.707	56	8530	1.383	ug/l #	66
36) 1,1-Dichloropropene	7.701	75	25391	4.901	ug/l #	50
38) Carbon Tetrachloride	7.701	117	29849	5.616	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	99567	51.651	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	99567	124.734	ug/l #	10
95) Naphthalene	15.139	128	8403	1.599	ug/l	98

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

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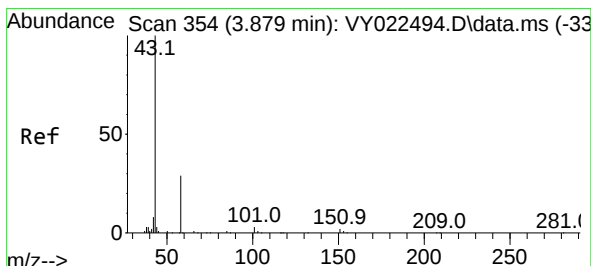
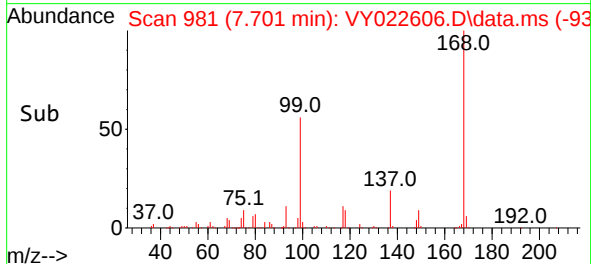
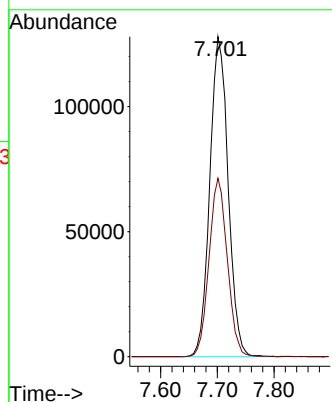
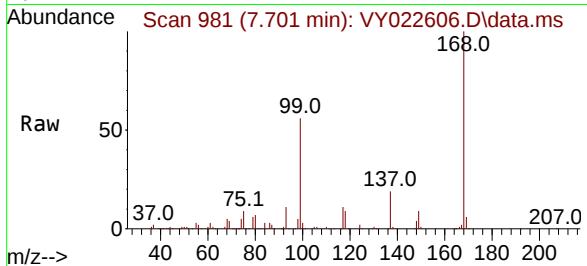




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 99
Delta R.T. -0.012 min
Lab File: VY022606.D
Acq: 06 Jun 2025 17:36

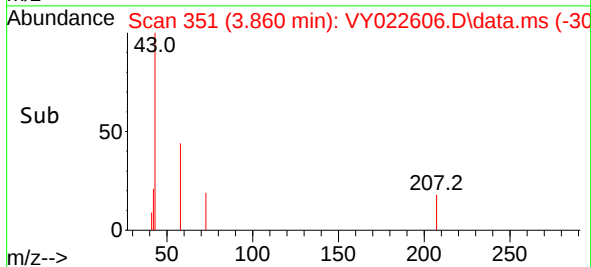
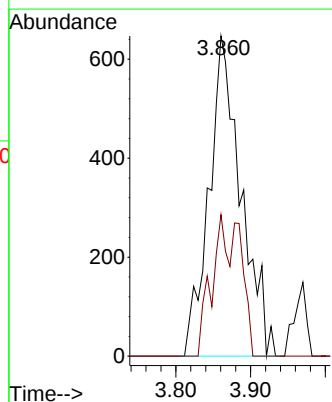
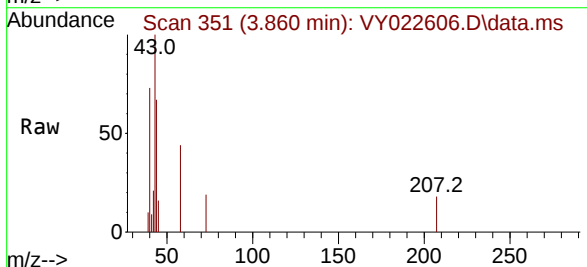
Instrument :
MSVOA_Y
ClientSampleId :
TP07-MHH-VOC

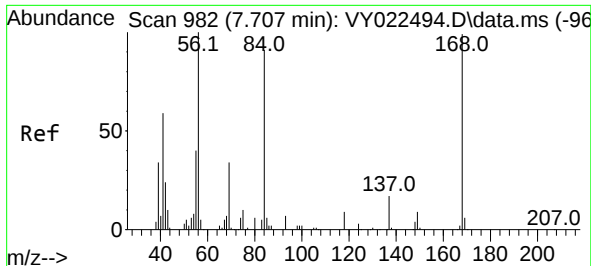
Tgt Ion:168 Resp: 286999
Ion Ratio Lower Upper
168 100
99 55.7 44.3 66.5



#16
Acetone
Concen: 2.954 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022606.D
Acq: 06 Jun 2025 17:36

Tgt Ion: 43 Resp: 1926
Ion Ratio Lower Upper
43 100
58 44.2 24.0 36.0#

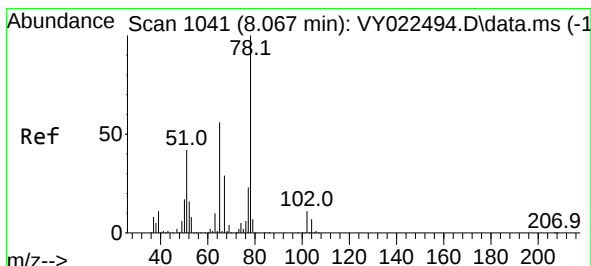
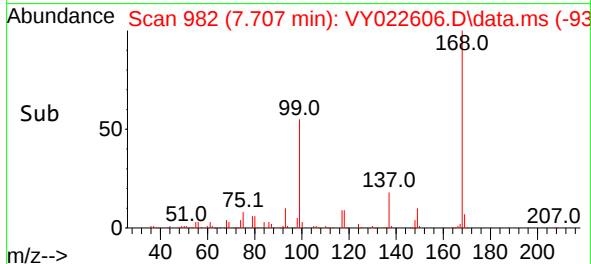
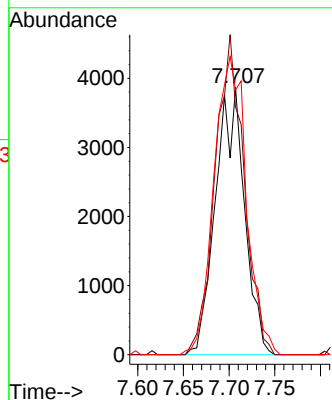
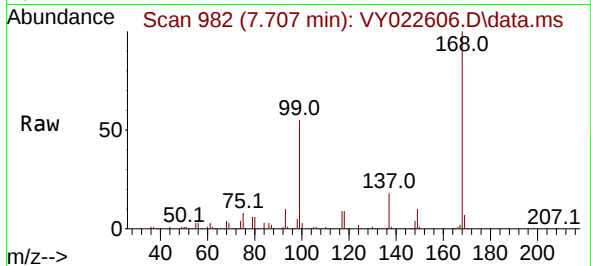




#31
Cyclohexane
Concen: 1.383 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022606.D
Acq: 06 Jun 2025 17:36

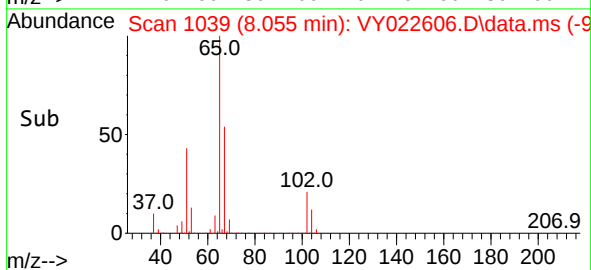
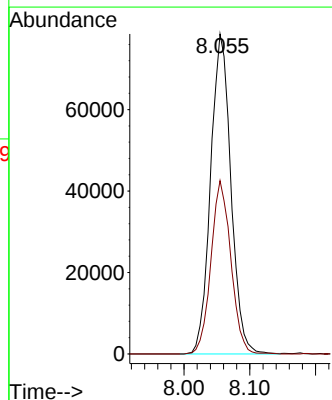
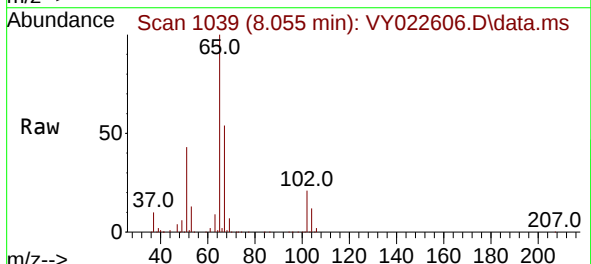
Instrument :
MSVOA_Y
ClientSampleId :
TP07-MHH-VOC

Tgt Ion: 56 Resp: 8530
Ion Ratio Lower Upper
56 100
69 92.6 27.0 40.6#
84 99.1 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 52.610 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022606.D
Acq: 06 Jun 2025 17:36

Tgt Ion: 65 Resp: 168873
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.4

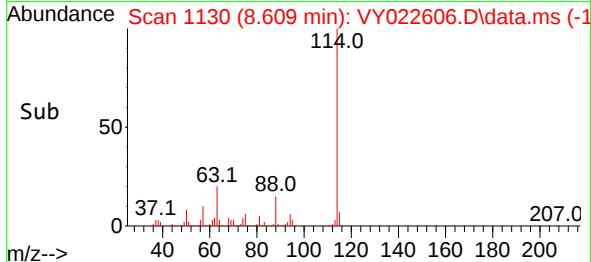
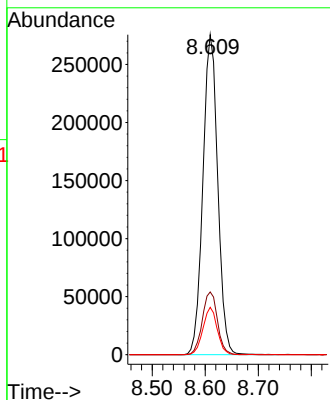
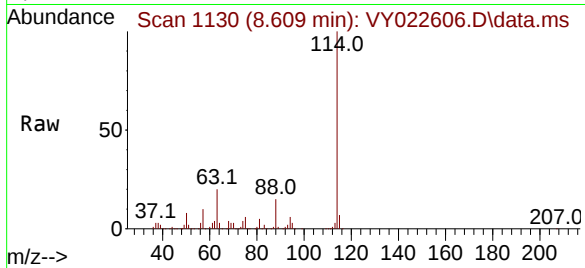




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.609 min Scan# 1130
 Delta R.T. -0.006 min
 Lab File: VY022606.D
 Acq: 06 Jun 2025 17:36

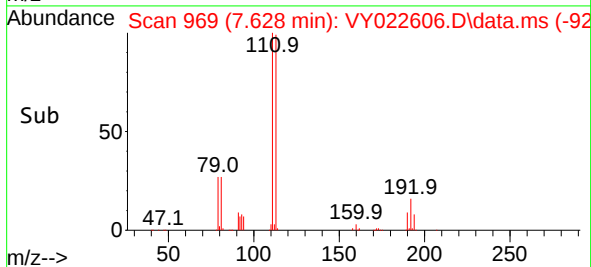
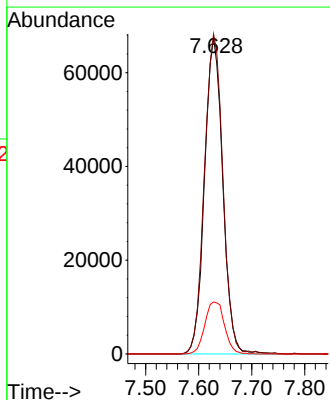
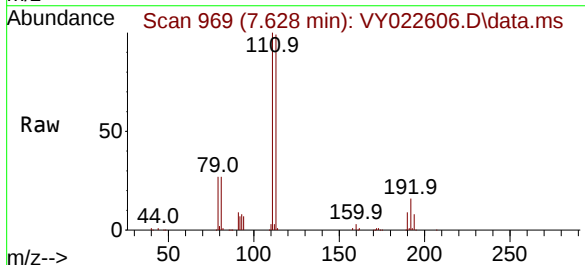
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP07-MHH-VOC

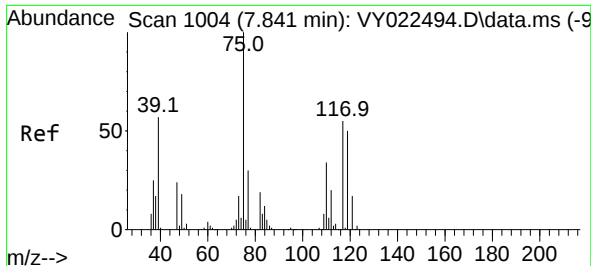
Tgt Ion:114 Resp: 534823
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.8
 88 14.8 0.0 27.8



#35
 Dibromofluoromethane
 Concen: 50.416 ug/l
 RT: 7.628 min Scan# 969
 Delta R.T. -0.012 min
 Lab File: VY022606.D
 Acq: 06 Jun 2025 17:36

Tgt Ion:113 Resp: 160940
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.1 121.7
 192 17.8 14.2 21.2

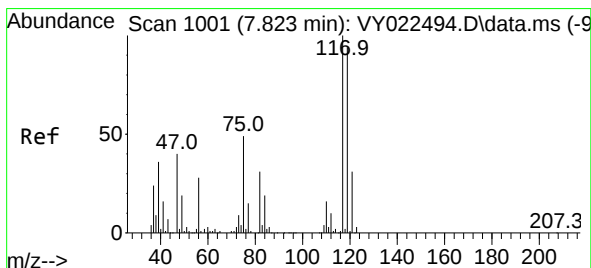
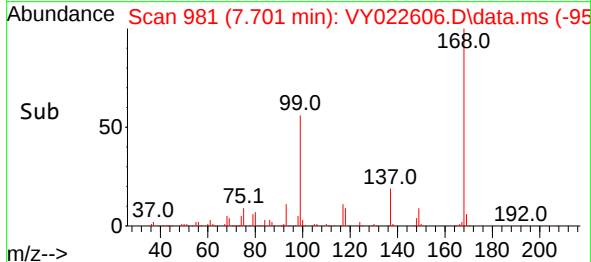
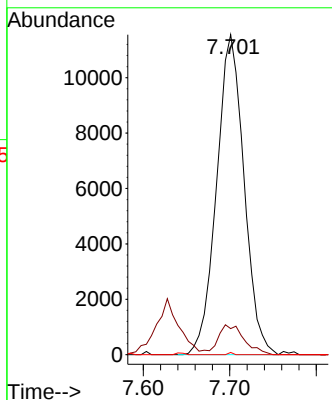
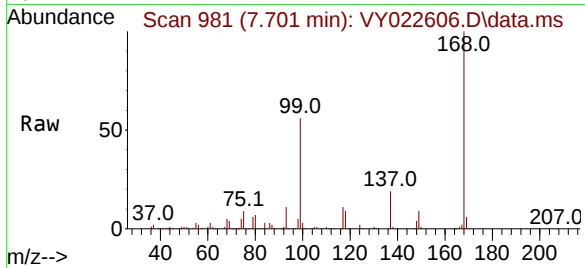




#36
1,1-Dichloropropene
Concen: 4.901 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022606.D
Acq: 06 Jun 2025 17:36

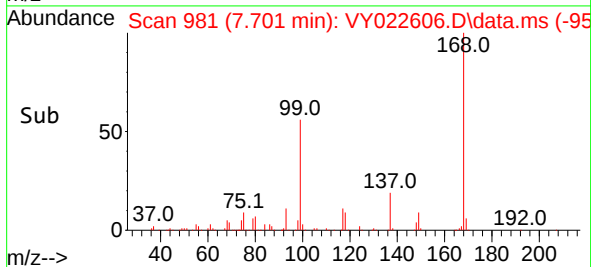
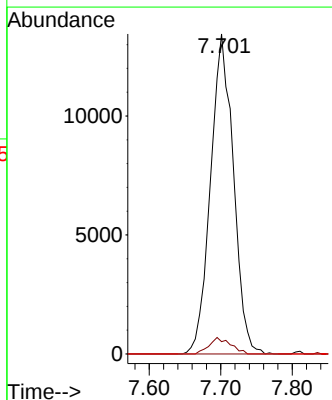
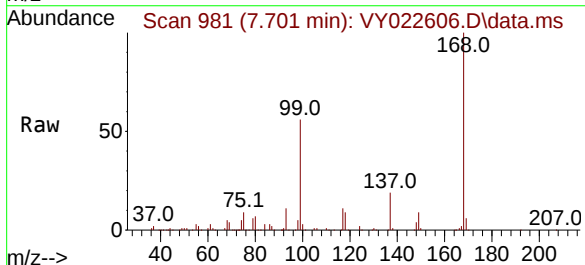
Instrument :
MSVOA_Y
ClientSampleId :
TP07-MHH-VOC

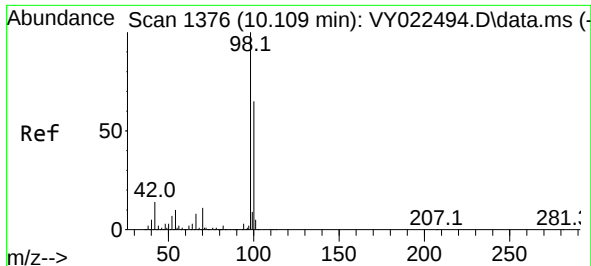
Tgt Ion: 75 Resp: 25391
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.7#
77 0.1 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.616 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY022606.D
Acq: 06 Jun 2025 17:36

Tgt Ion: 117 Resp: 29849
Ion Ratio Lower Upper
117 100
119 3.8 75.0 112.6#
121 0.0 25.0 37.4#

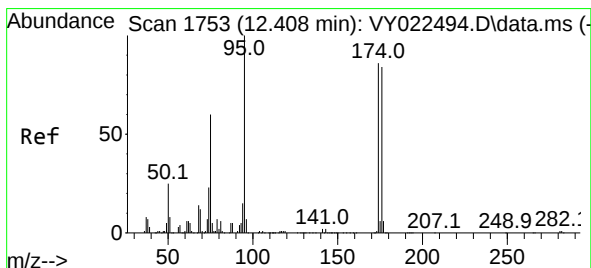
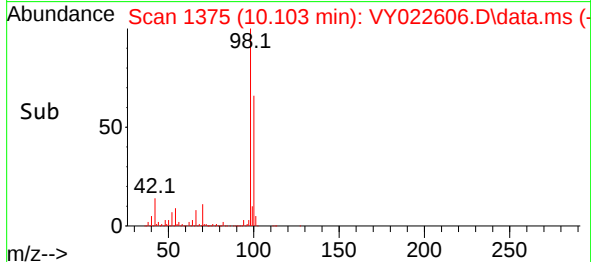
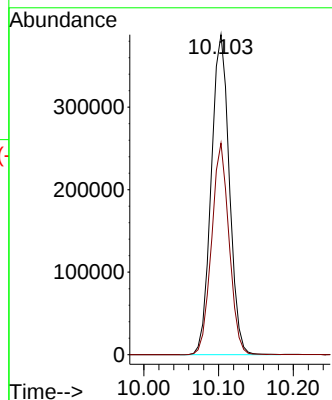
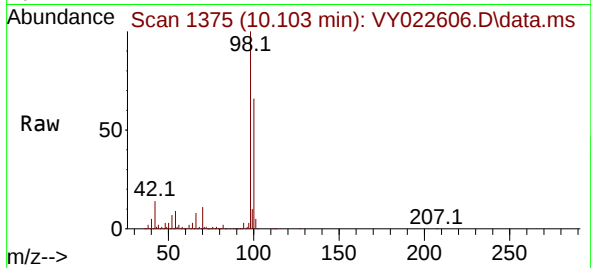




#50
Toluene-d8
Concen: 50.603 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022606.D
Acq: 06 Jun 2025 17:36

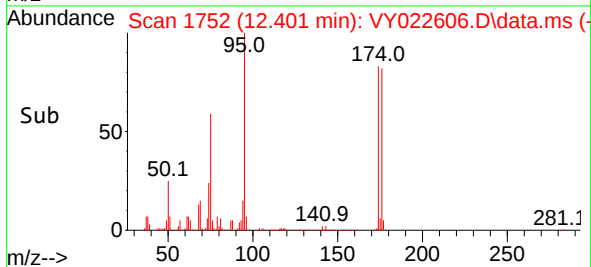
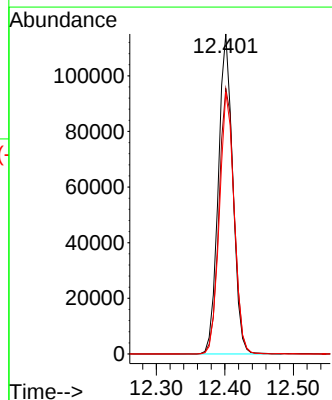
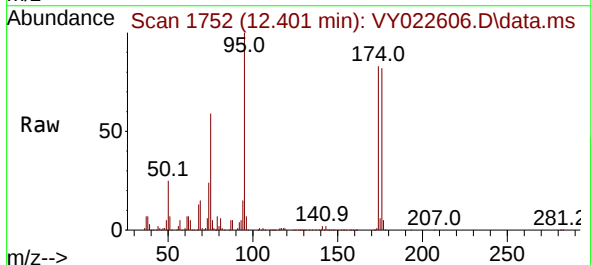
Instrument :
MSVOA_Y
ClientSampleId :
TP07-MHH-VOC

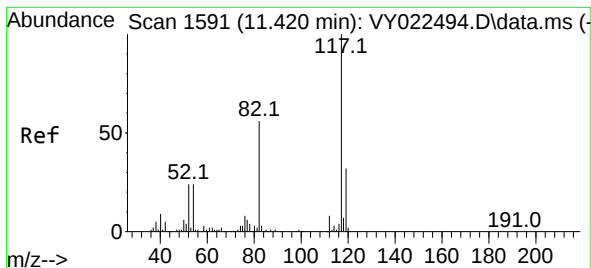
Tgt Ion: 98 Resp: 652714
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 43.612 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022606.D
Acq: 06 Jun 2025 17:36

Tgt Ion: 95 Resp: 167610
Ion Ratio Lower Upper
95 100
174 87.0 0.0 170.0
176 83.2 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022606.D

Acq: 06 Jun 2025 17:36

Instrument :

MSVOA_Y

ClientSampleId :

TP07-MHH-VOC

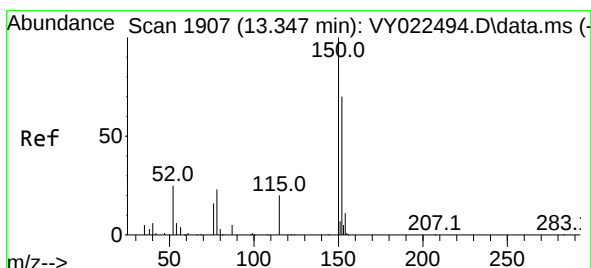
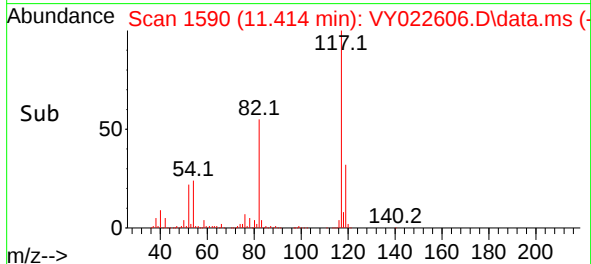
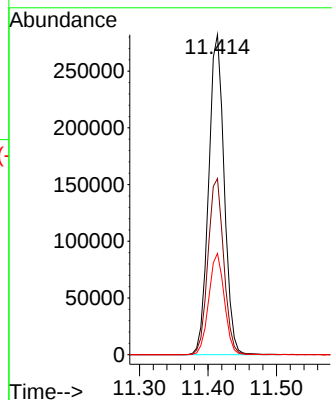
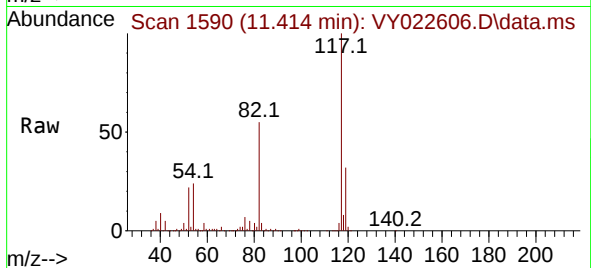
Tgt Ion:117 Resp: 445217

Ion Ratio Lower Upper

117 100

82 55.0 44.6 66.8

119 31.7 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022606.D

Acq: 06 Jun 2025 17:36

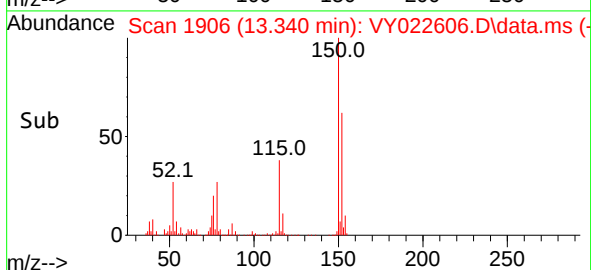
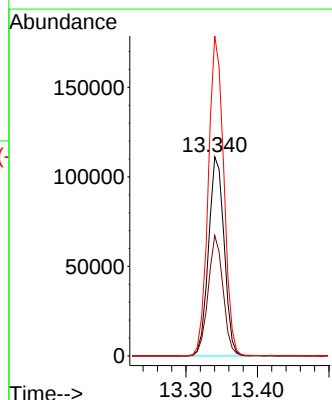
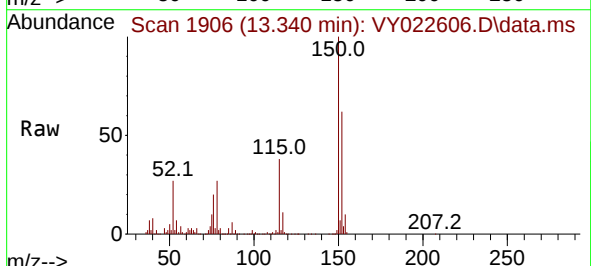
Tgt Ion:152 Resp: 168499

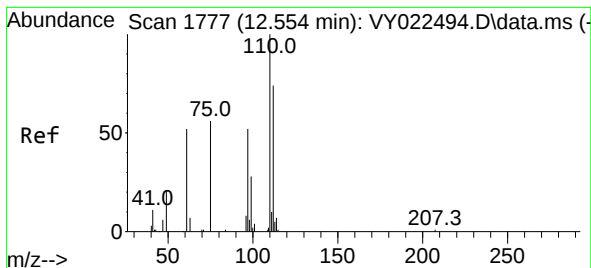
Ion Ratio Lower Upper

152 100

115 58.0 28.9 86.7

150 159.3 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 51.651 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022606.D

Acq: 06 Jun 2025 17:36

Instrument :

MSVOA_Y

ClientSampleId :

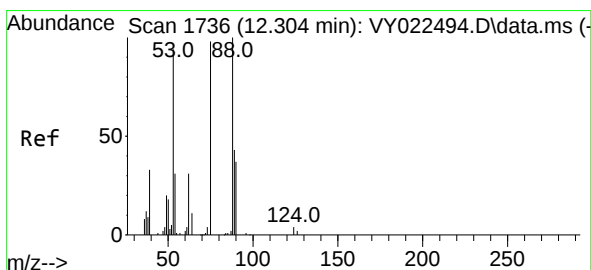
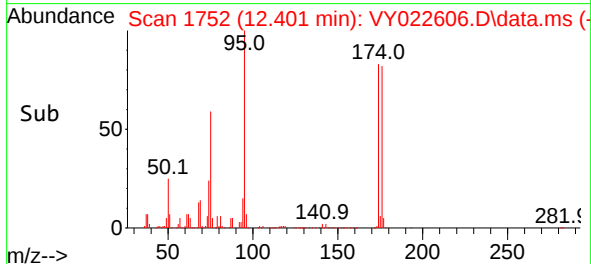
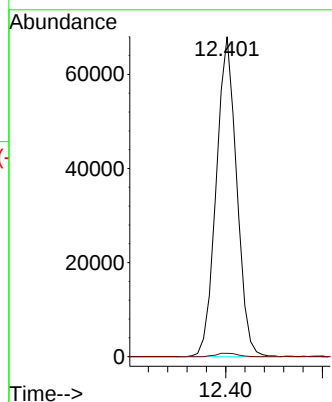
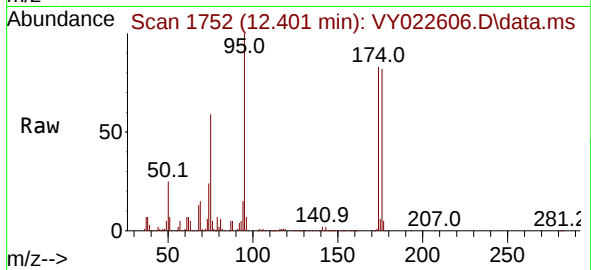
TP07-MHH-VOC

Tgt Ion: 75 Resp: 99567

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.734 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022606.D

Acq: 06 Jun 2025 17:36

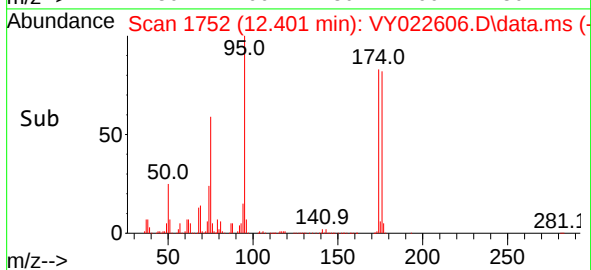
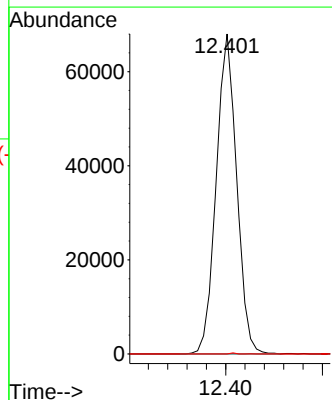
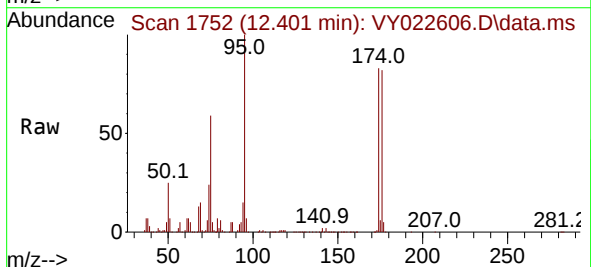
Tgt Ion: 75 Resp: 99567

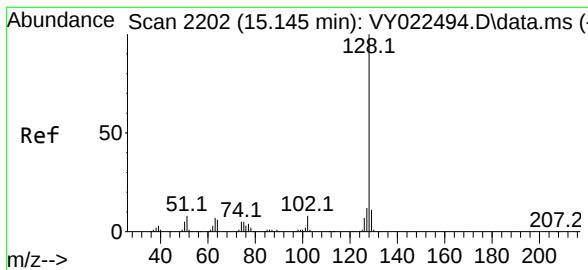
Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 35.7 53.5#





#95
 Naphthalene
 Concen: 1.599 ug/l
 RT: 15.139 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY022606.D
 Acq: 06 Jun 2025 17:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP07-MHH-VOC

Tgt Ion:	128	Resp:	8403
Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.4	15.6
129	11.1	8.9	13.3

