

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022608.D
 Acq On : 06 Jun 2025 18:23
 Operator : SY/MD
 Sample : Q2241-02
 Misc : 5.86g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-N-VOC

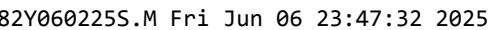
Quant Time: Jun 06 23:47:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

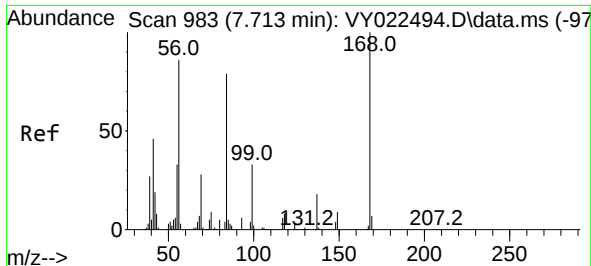
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	306732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	567409	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	478089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	181175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	184238	53.704	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.400%	
35) Dibromofluoromethane	7.628	113	175369	51.781	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.560%	
50) Toluene-d8	10.103	98	697860	50.996	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.000%	
62) 4-Bromofluorobenzene	12.402	95	179990	44.144	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.280%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.701	56	8883	1.348	ug/l #	49
36) 1,1-Dichloropropene	7.701	75	27761	5.050	ug/l #	51
38) Carbon Tetrachloride	7.701	117	32475	5.759	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	108700	52.443	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	108700	126.648	ug/l #	10

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

Quant Time: Jun 06 23:47:20 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

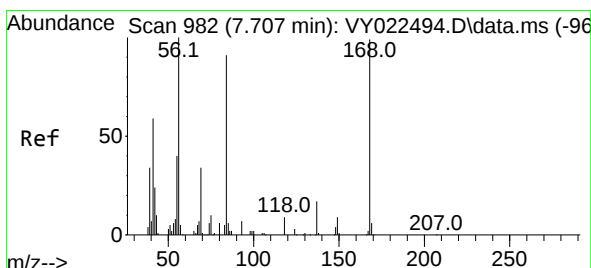
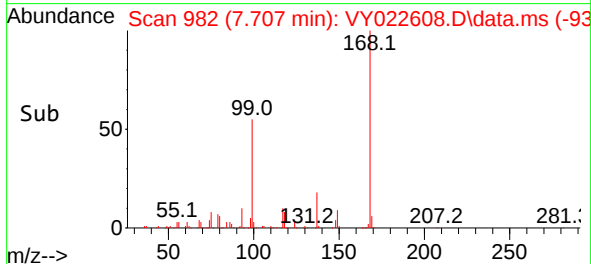
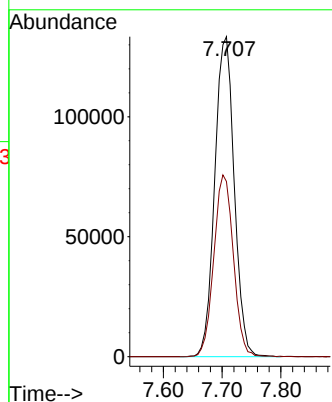
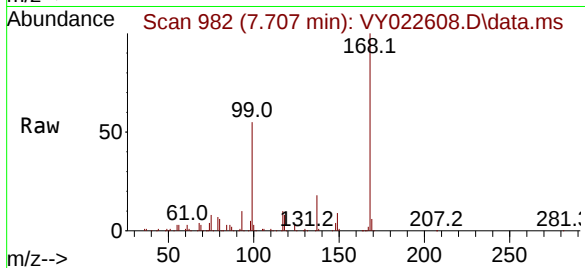




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022608.D
Acq: 06 Jun 2025 18:23

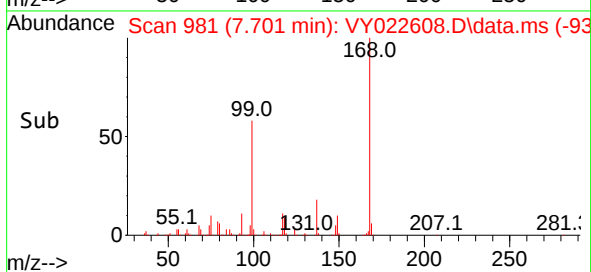
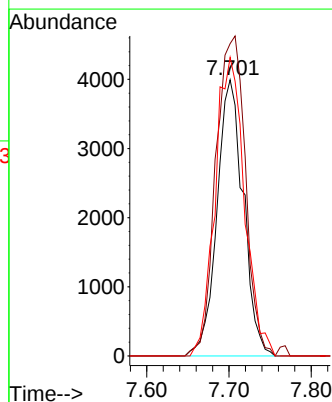
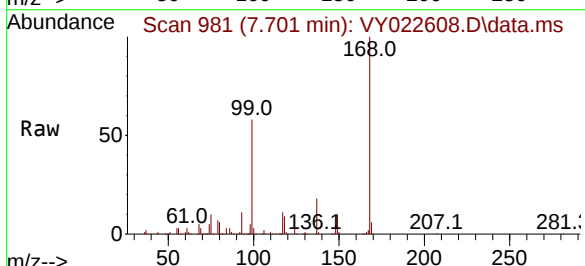
Instrument :
MSVOA_Y
ClientSampleId :
TP-N-VOC

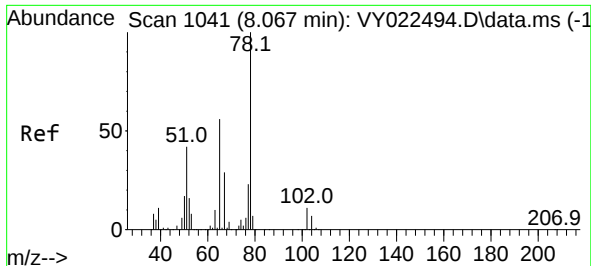
Tgt Ion:168 Resp: 306732
Ion Ratio Lower Upper
168 100
99 54.7 44.3 66.5



#31
Cyclohexane
Concen: 1.348 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022608.D
Acq: 06 Jun 2025 18:23

Tgt Ion: 56 Resp: 8883
Ion Ratio Lower Upper
56 100
69 113.1 27.0 40.6#
84 108.1 72.6 109.0





#33

1,2-Dichloroethane-d4

Concen: 53.704 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. -0.012 min

Lab File: VY022608.D

Acq: 06 Jun 2025 18:23

Instrument :

MSVOA_Y

ClientSampleId :

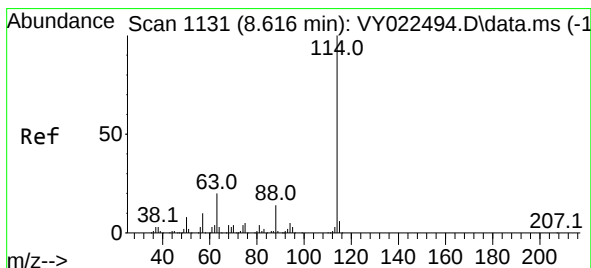
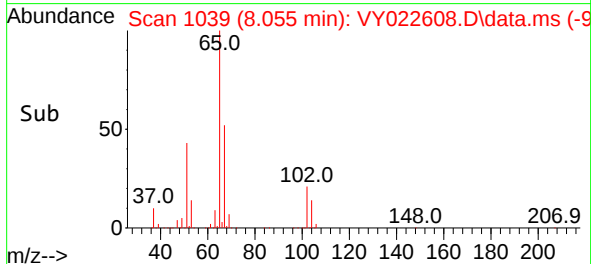
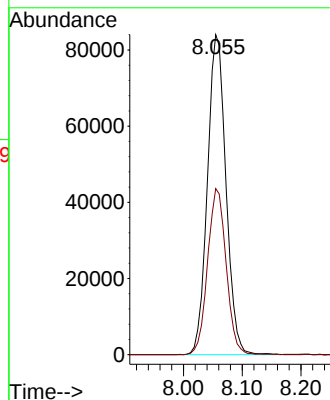
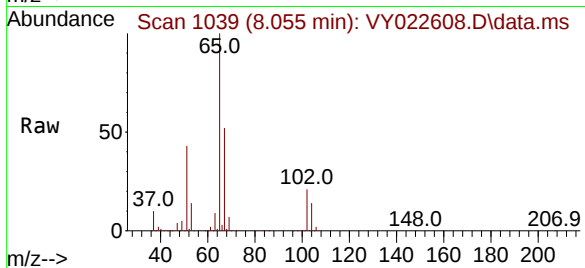
TP-N-VOC

Tgt Ion: 65 Resp: 184238

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022608.D

Acq: 06 Jun 2025 18:23

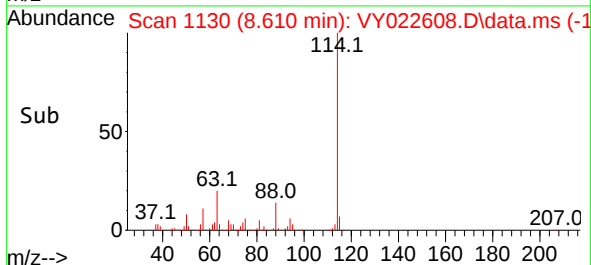
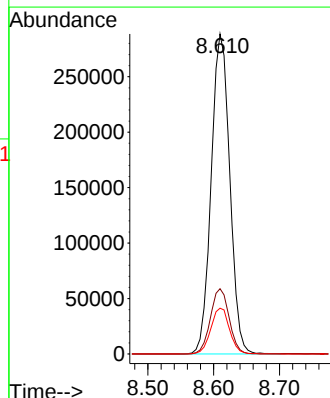
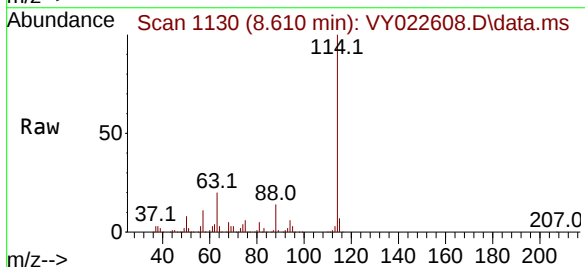
Tgt Ion: 114 Resp: 567409

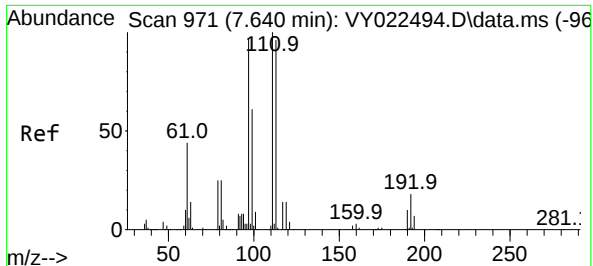
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 14.3 0.0 27.8





#35

Dibromofluoromethane

Concen: 51.781 ug/l

RT: 7.628 min Scan# 90

Delta R.T. -0.012 min

Lab File: VY022608.D

Acq: 06 Jun 2025 18:23

Instrument :

MSVOA_Y

ClientSampleId :

TP-N-VOC

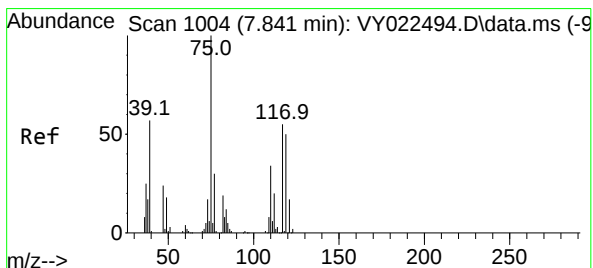
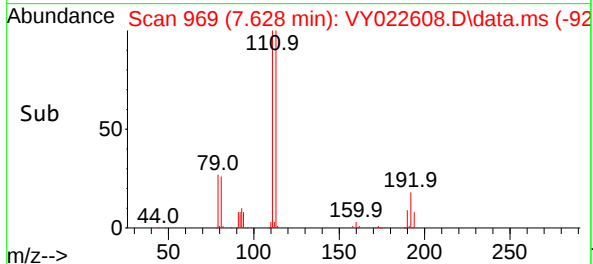
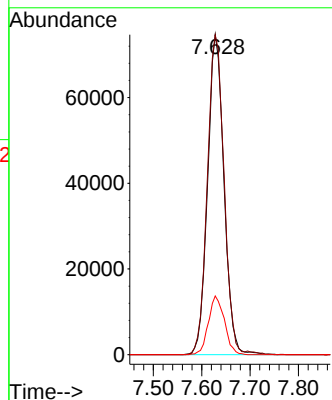
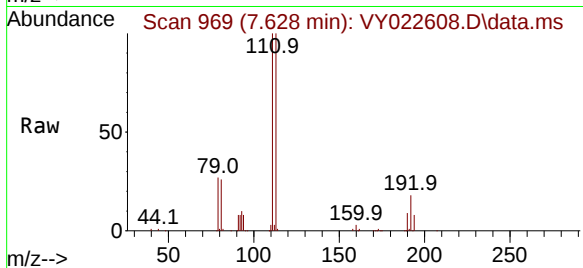
Tgt Ion:113 Resp: 175369

Ion Ratio Lower Upper

113 100

111 101.8 81.1 121.7

192 18.1 14.2 21.2



#36

1,1-Dichloropropene

Concen: 5.050 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY022608.D

Acq: 06 Jun 2025 18:23

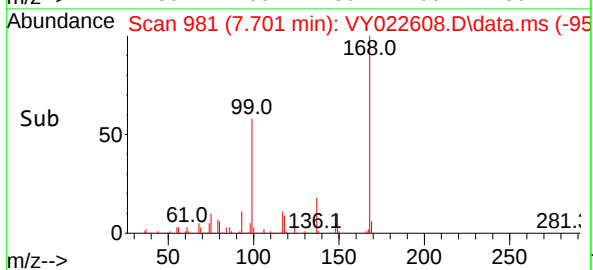
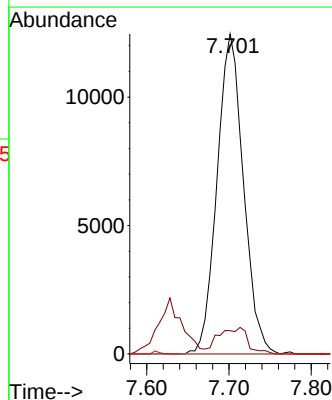
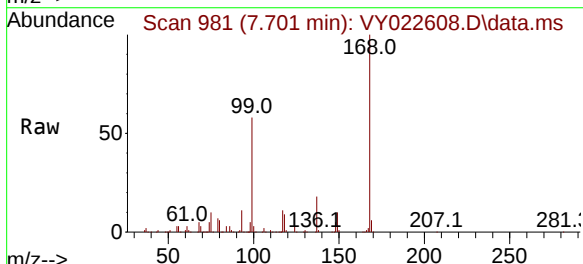
Tgt Ion: 75 Resp: 27761

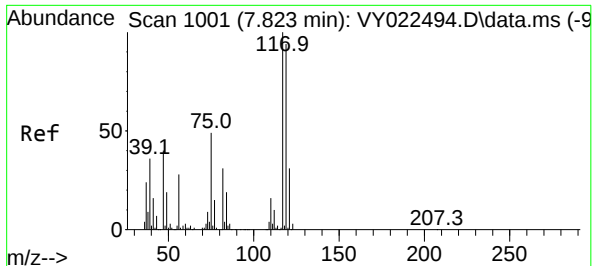
Ion Ratio Lower Upper

75 100

110 9.2 16.9 50.7#

77 0.0 24.8 37.2#

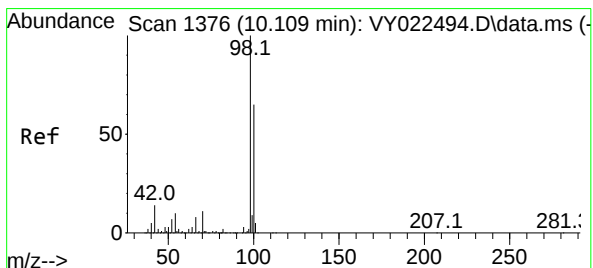
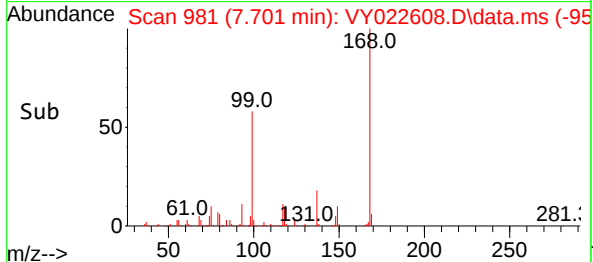
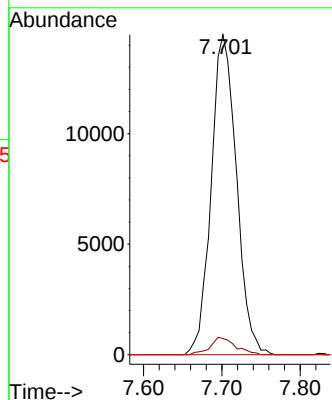
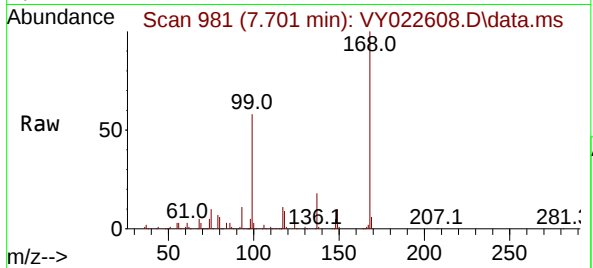




#38
Carbon Tetrachloride
Concen: 5.759 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022608.D
Acq: 06 Jun 2025 18:23

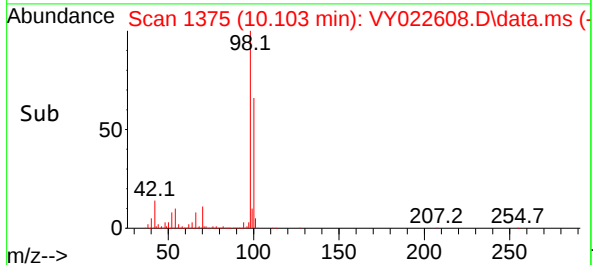
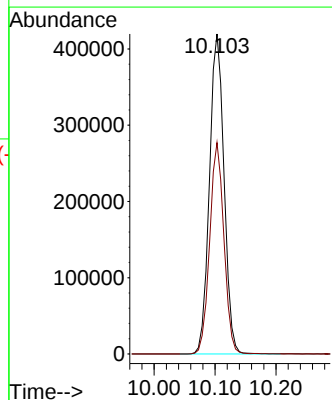
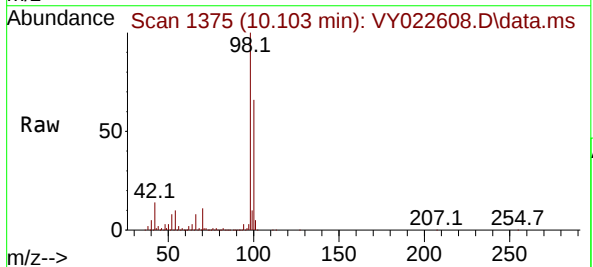
Instrument :
MSVOA_Y
ClientSampleId :
TP-N-VOC

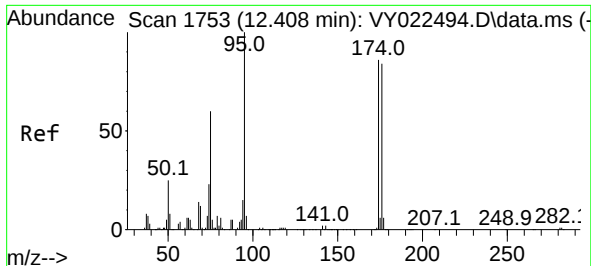
Tgt Ion:117 Resp: 32475
Ion Ratio Lower Upper
117 100
119 5.1 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.996 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022608.D
Acq: 06 Jun 2025 18:23

Tgt Ion: 98 Resp: 697860
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0

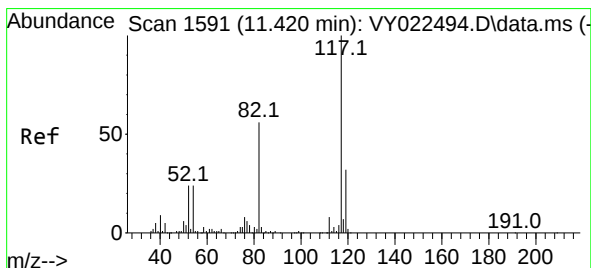
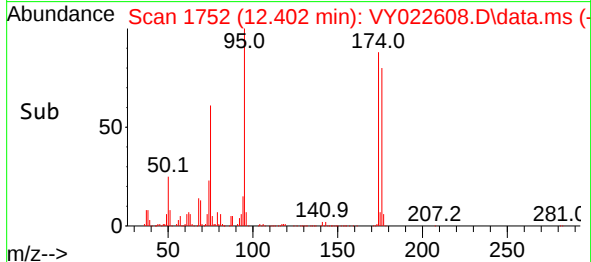
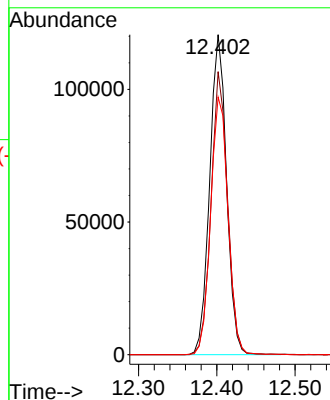
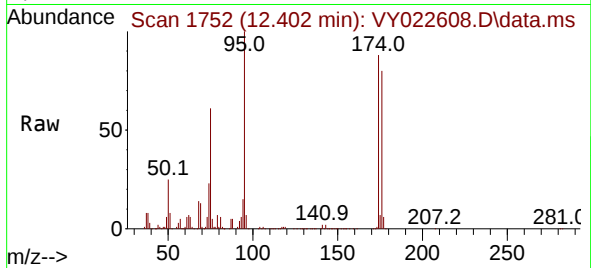




#62
4-Bromofluorobenzene
Concen: 44.144 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022608.D
Acq: 06 Jun 2025 18:23

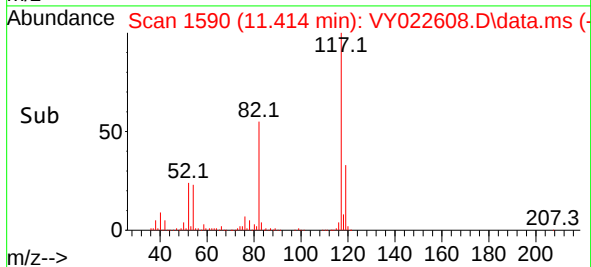
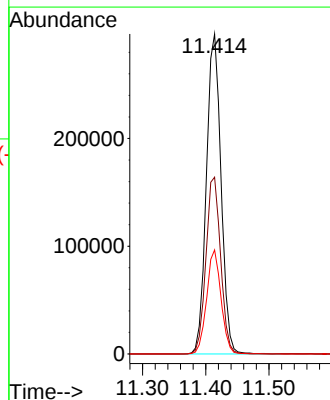
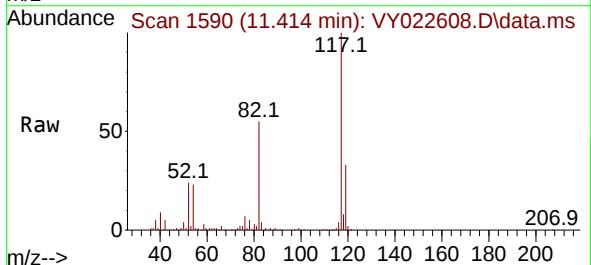
Instrument :
MSVOA_Y
ClientSampleId :
TP-N-VOC

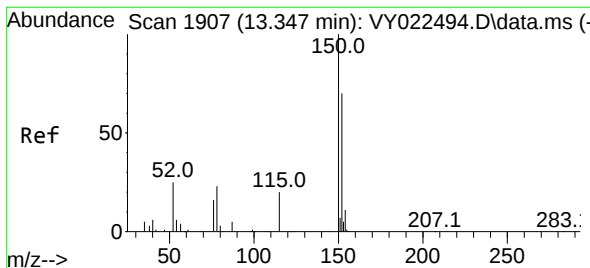
Tgt Ion: 95 Resp: 179990
Ion Ratio Lower Upper
95 100
174 86.7 0.0 170.0
176 83.3 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022608.D
Acq: 06 Jun 2025 18:23

Tgt Ion: 117 Resp: 478089
Ion Ratio Lower Upper
117 100
82 55.2 44.6 66.8
119 32.5 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: VY022608.D

Acq: 06 Jun 2025 18:23

Instrument :

MSVOA_Y

ClientSampleId :

TP-N-VOC

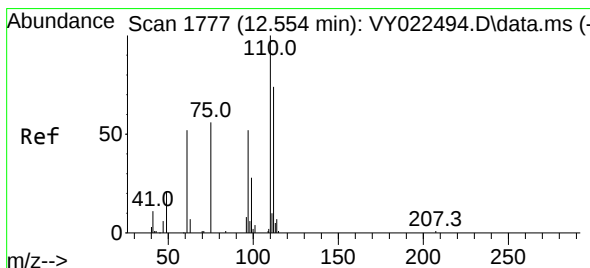
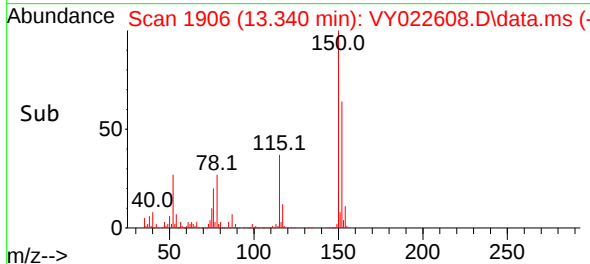
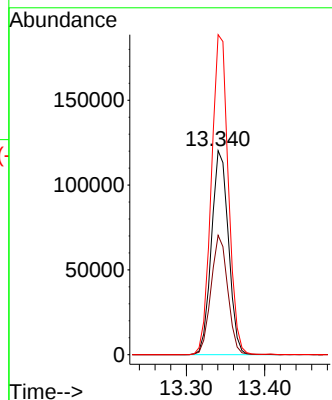
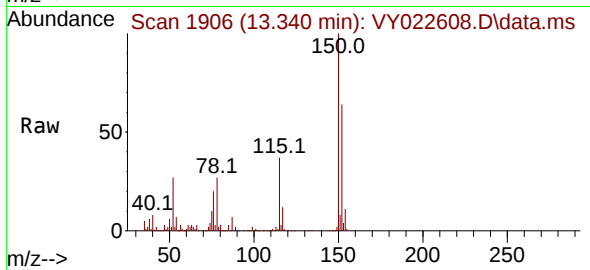
Tgt Ion:152 Resp: 181175

Ion Ratio Lower Upper

152 100

115 57.5 28.9 86.7

150 156.5 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 52.443 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022608.D

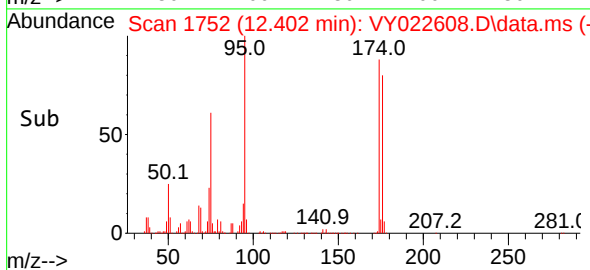
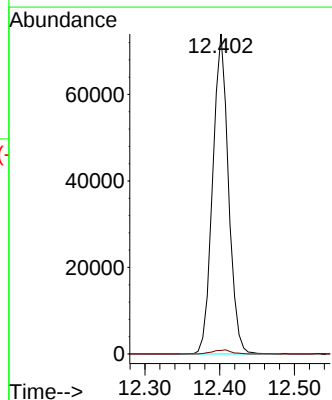
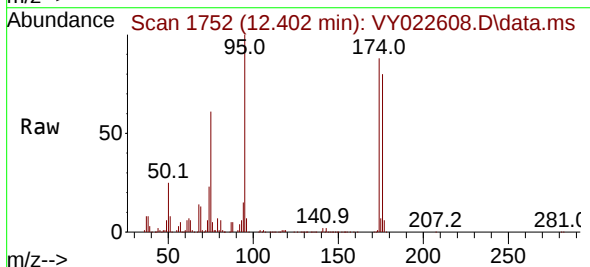
Acq: 06 Jun 2025 18:23

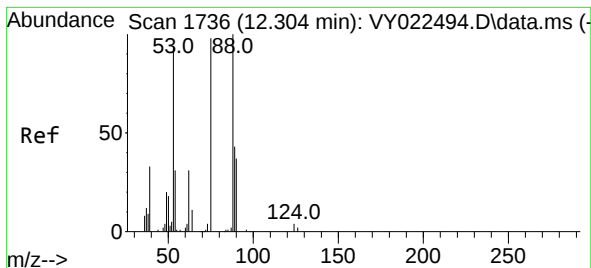
Tgt Ion: 75 Resp: 108700

Ion Ratio Lower Upper

75 100

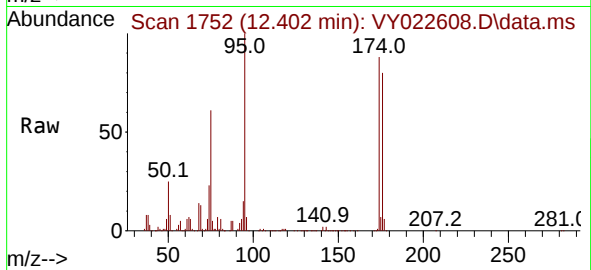
77 1.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 126.648 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY022608.D
Acq: 06 Jun 2025 18:23

Instrument :
MSVOA_Y
ClientSampleId :
TP-N-VOC



Tgt Ion: 75 Resp: 108700
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#

