

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022609.D
 Acq On : 06 Jun 2025 18:47
 Operator : SY/MD
 Sample : Q2241-06
 Misc : 5.59g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-S-VOC

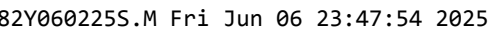
Quant Time: Jun 06 23:47:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

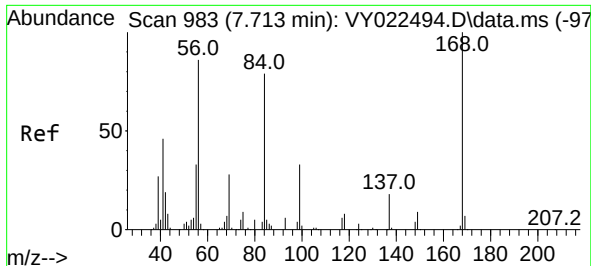
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.701	168	321325	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	573231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	438246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	153705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	146456	40.752	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.500%		
35) Dibromofluoromethane	7.628	113	163858	47.891	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.780%		
50) Toluene-d8	10.103	98	681720	49.311	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.620%		
62) 4-Bromofluorobenzene	12.401	95	159916	38.822	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	77.640%		
Target Compounds						Qvalue
31) Cyclohexane	7.701	56	8715	1.262	ug/l #	36
36) 1,1-Dichloropropene	7.701	75	28801	5.186	ug/l #	50
38) Carbon Tetrachloride	7.701	117	33243	5.836	ug/l #	15
51) 4-Methyl-2-Pentanone	10.103	43	3723	1.396	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	94160	53.547	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	94160	129.314	ug/l #	10

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

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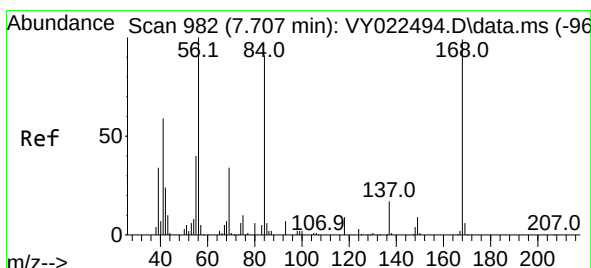
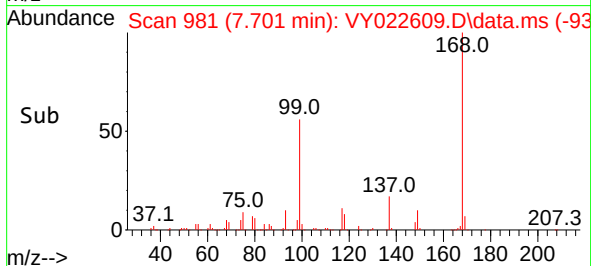
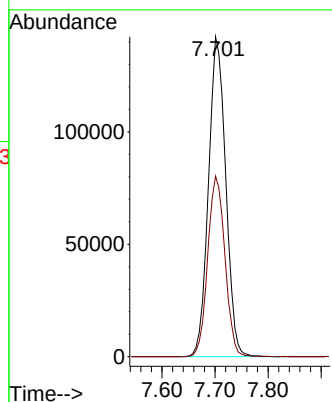
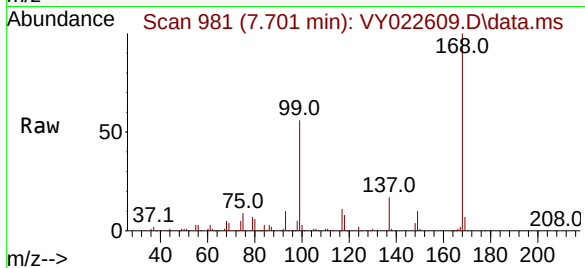




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.012 min
Lab File: VY022609.D
Acq: 06 Jun 2025 18:47

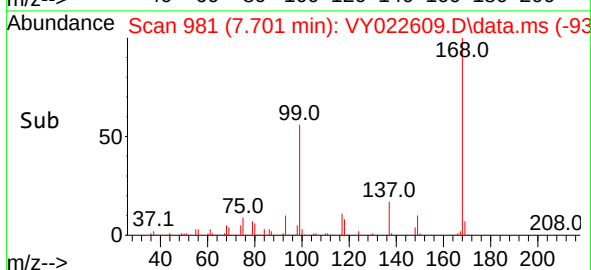
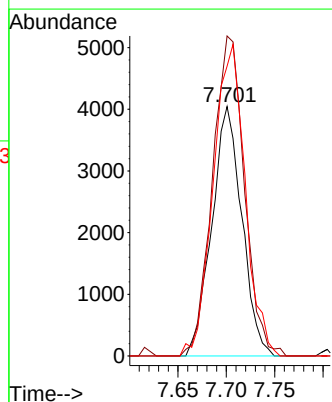
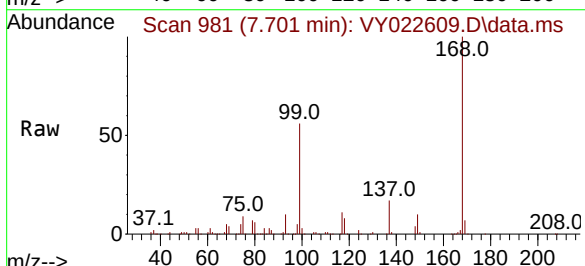
Instrument :
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TP-S-VOC

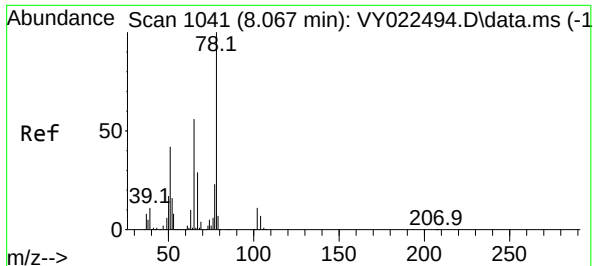
Tgt Ion:168 Resp: 321325
Ion Ratio Lower Upper
168 100
99 56.4 44.3 66.5



#31
Cyclohexane
Concen: 1.262 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.007 min
Lab File: VY022609.D
Acq: 06 Jun 2025 18:47

Tgt Ion: 56 Resp: 8715
Ion Ratio Lower Upper
56 100
69 128.3 27.0 40.6#
84 116.2 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 40.752 ug/l

RT: 8.054 min Scan# 1

Delta R.T. -0.013 min

Lab File: VY022609.D

Acq: 06 Jun 2025 18:47

Instrument :

MSVOA_Y

ClientSampleId :

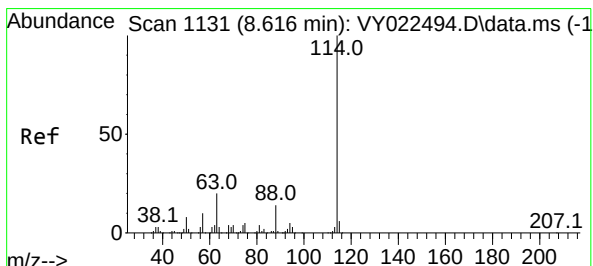
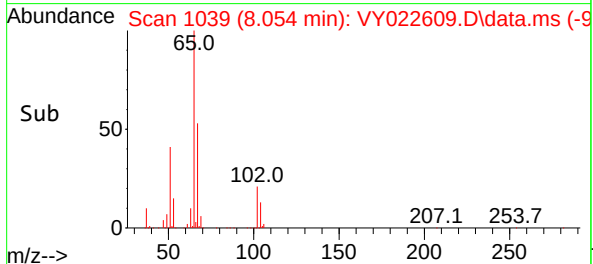
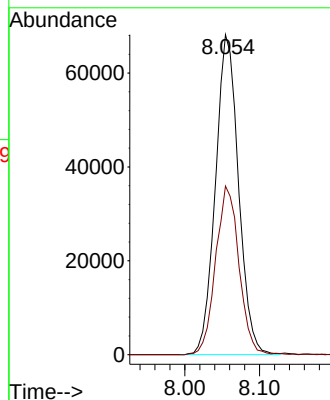
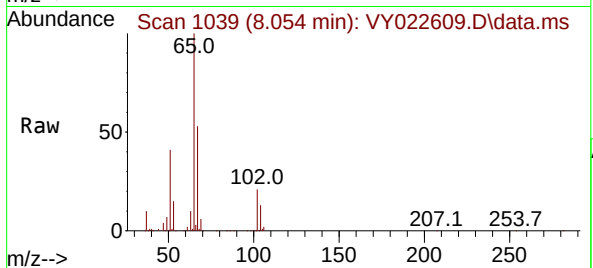
TP-S-VOC

Tgt Ion: 65 Resp: 146456

Ion Ratio Lower Upper

65 100

67 53.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.007 min

Lab File: VY022609.D

Acq: 06 Jun 2025 18:47

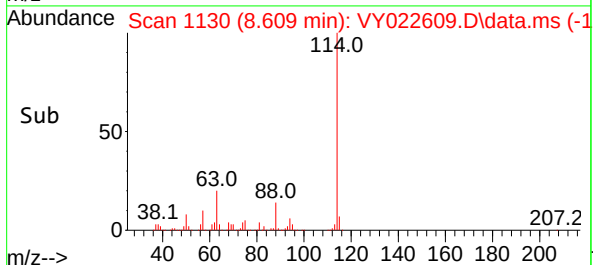
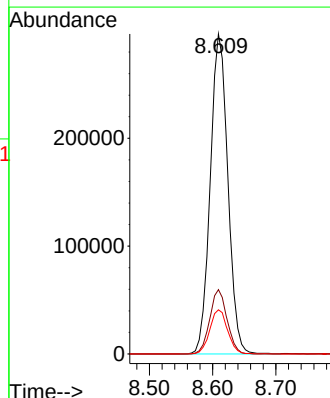
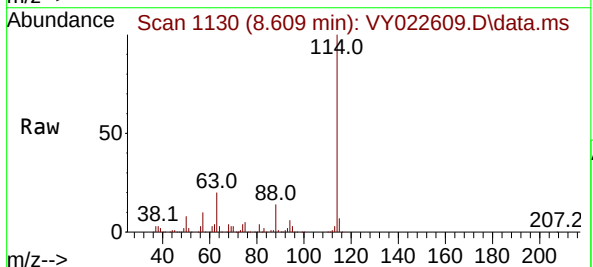
Tgt Ion: 114 Resp: 573231

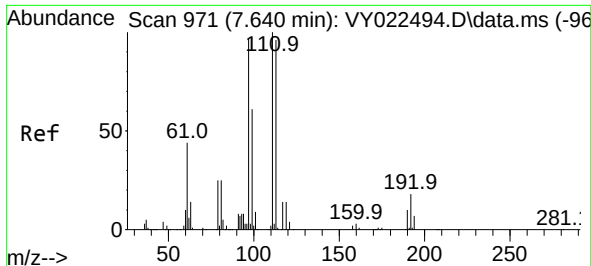
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

88 13.8 0.0 27.8

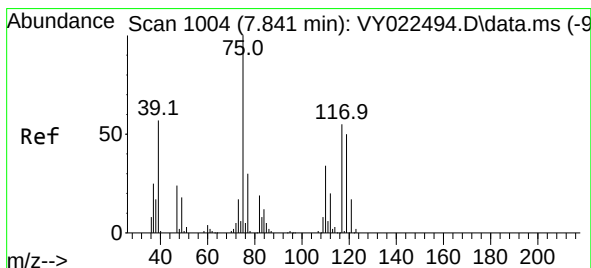
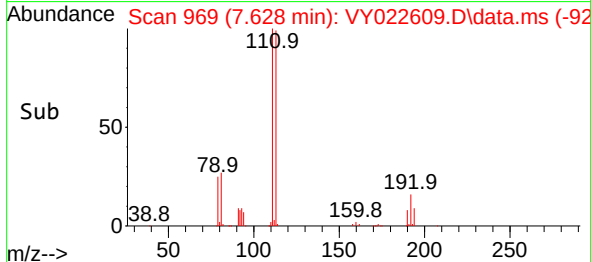
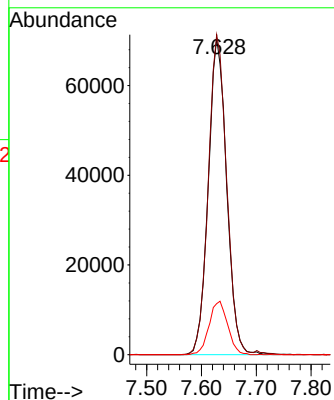
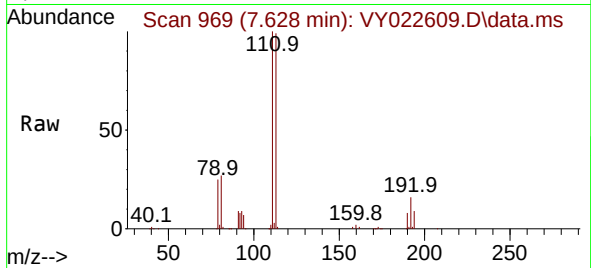




#35
Dibromofluoromethane
Concen: 47.891 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.013 min
Lab File: VY022609.D
Acq: 06 Jun 2025 18:47

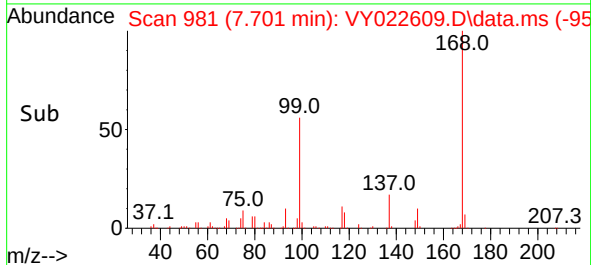
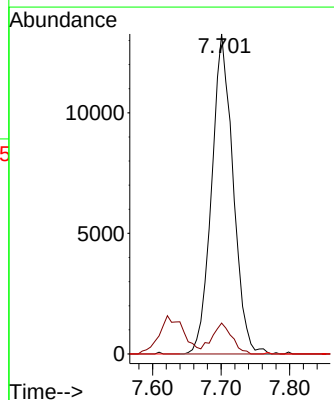
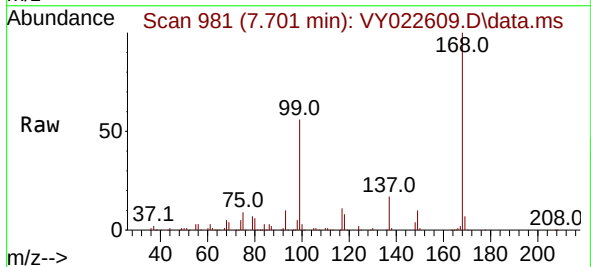
Instrument :
MSVOA_Y
ClientSampleId :
TP-S-VOC

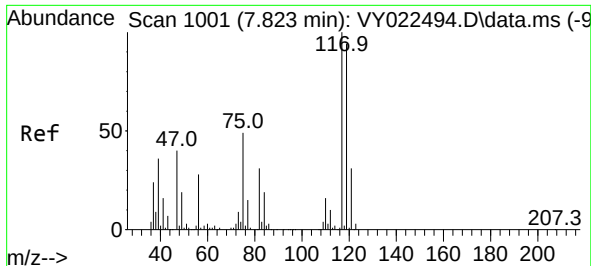
Tgt Ion:113 Resp: 163858
Ion Ratio Lower Upper
113 100
111 100.8 81.1 121.7
192 17.1 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.186 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.141 min
Lab File: VY022609.D
Acq: 06 Jun 2025 18:47

Tgt Ion: 75 Resp: 28801
Ion Ratio Lower Upper
75 100
110 8.9 16.9 50.7#
77 0.0 24.8 37.2#

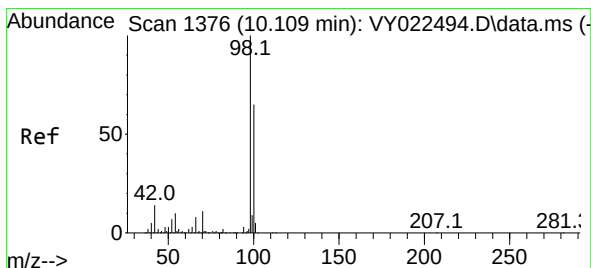
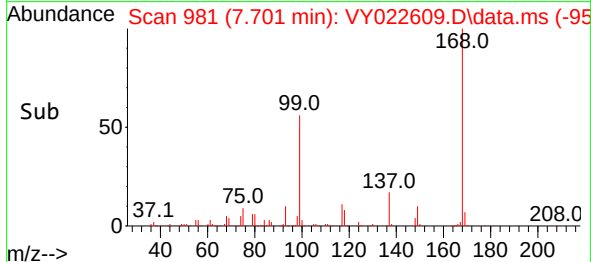
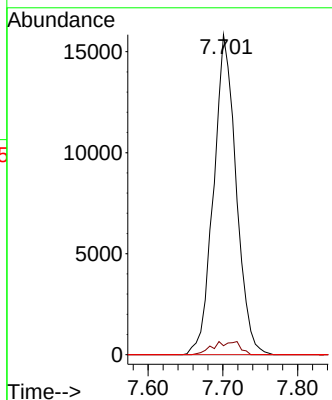
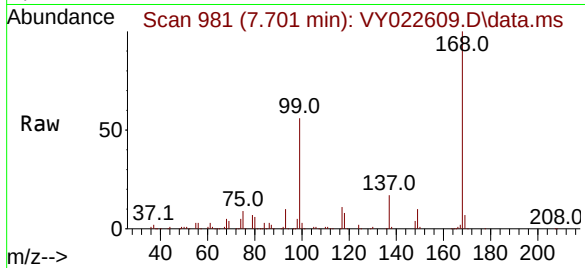




#38
Carbon Tetrachloride
Concen: 5.836 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022609.D
Acq: 06 Jun 2025 18:47

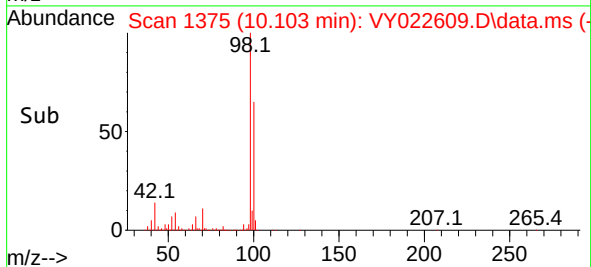
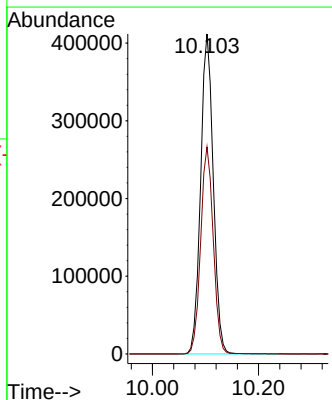
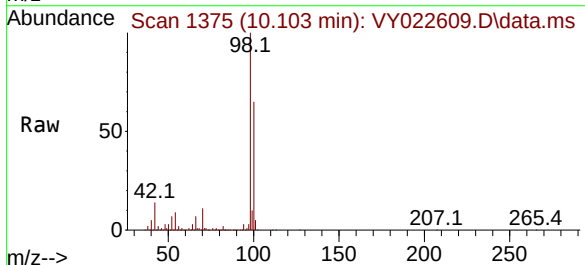
Instrument :
MSVOA_Y
ClientSampleId :
TP-S-VOC

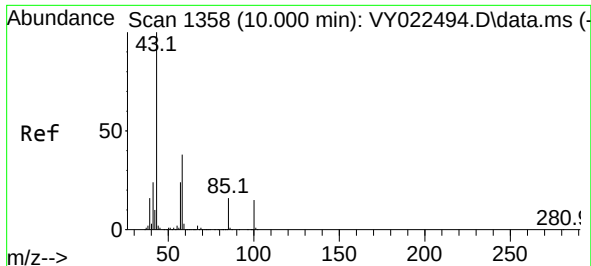
Tgt Ion:117 Resp: 33243
Ion Ratio Lower Upper
117 100
119 2.8 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.311 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VY022609.D
Acq: 06 Jun 2025 18:47

Tgt Ion: 98 Resp: 681720
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.396 ug/l

RT: 10.103 min Scan# 1358

Delta R.T. 0.103 min

Lab File: VY022609.D

Acq: 06 Jun 2025 18:47

Instrument :

MSVOA_Y

ClientSampleId :

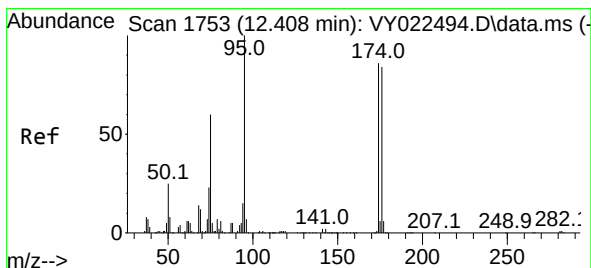
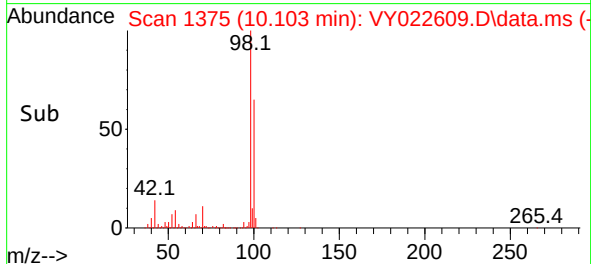
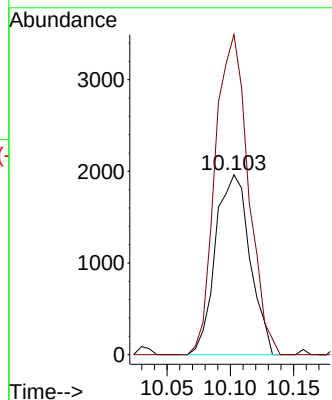
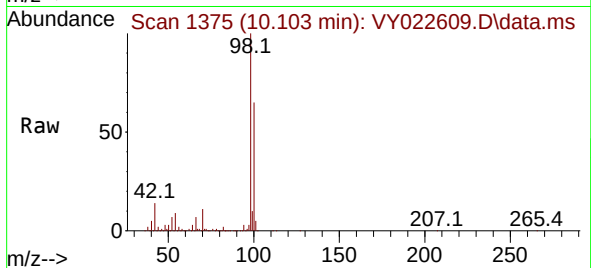
TP-S-VOC

Tgt Ion: 43 Resp: 3723

Ion Ratio Lower Upper

43 100

58 171.0 30.4 45.6#



#62

4-Bromofluorobenzene

Concen: 38.822 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.007 min

Lab File: VY022609.D

Acq: 06 Jun 2025 18:47

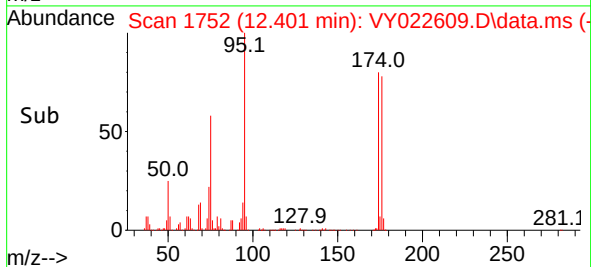
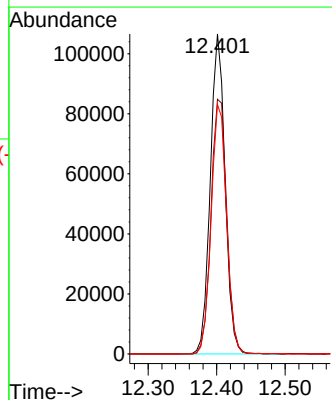
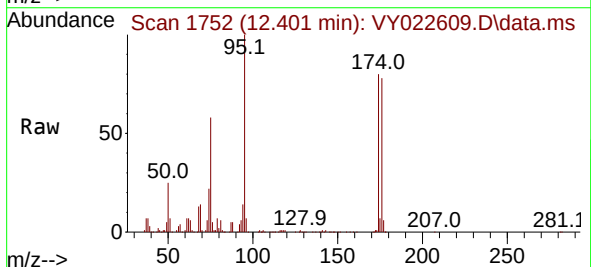
Tgt Ion: 95 Resp: 159916

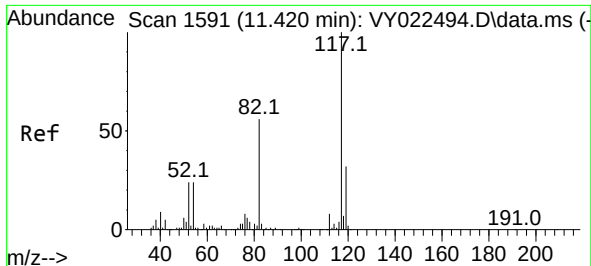
Ion Ratio Lower Upper

95 100

174 85.0 0.0 170.0

176 81.2 0.0 166.2

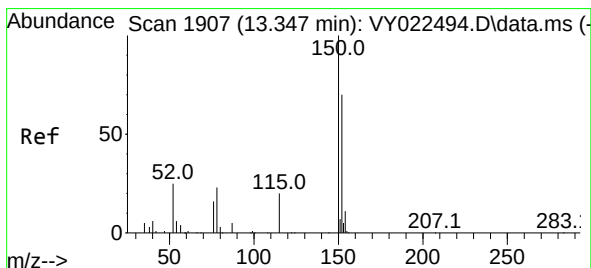
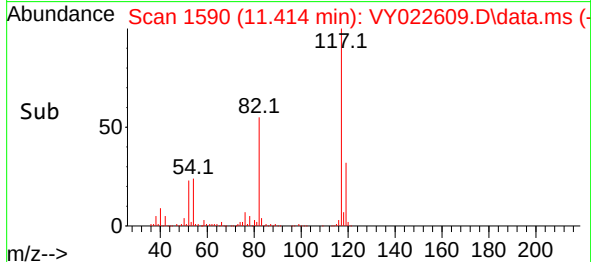
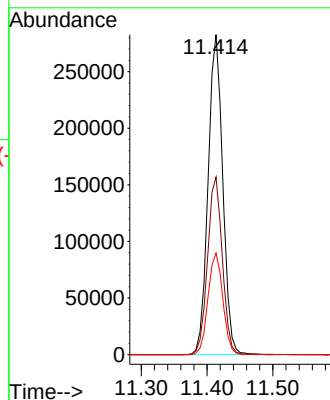
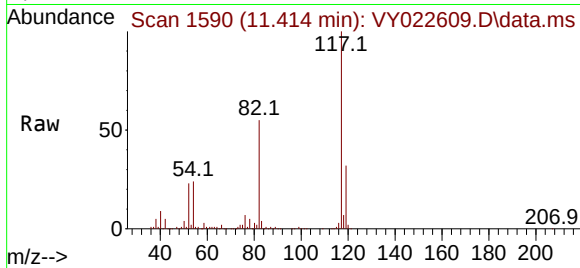




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.007 min
Lab File: VY022609.D
Acq: 06 Jun 2025 18:47

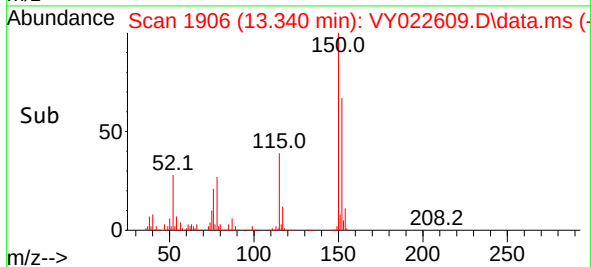
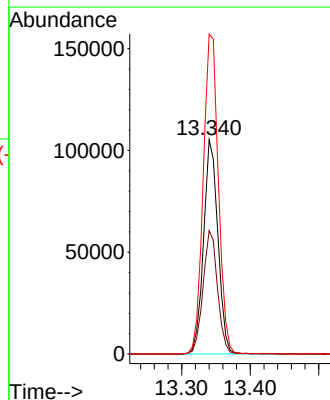
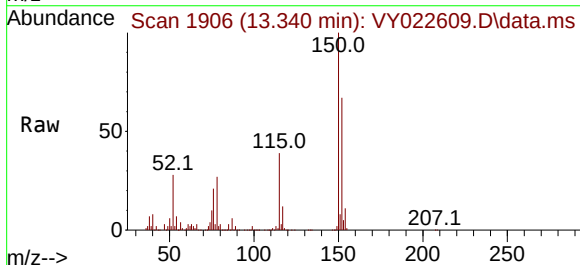
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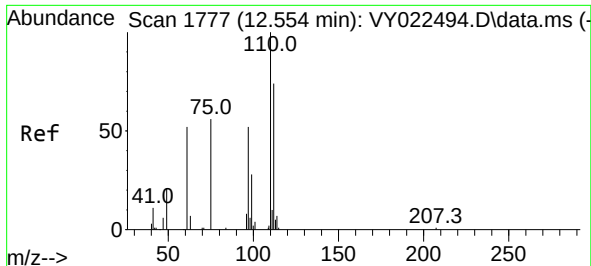
Tgt Ion:117 Resp: 438246
Ion Ratio Lower Upper
117 100
82 55.5 44.6 66.8
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.007 min
Lab File: VY022609.D
Acq: 06 Jun 2025 18:47

Tgt Ion:152 Resp: 153705
Ion Ratio Lower Upper
152 100
115 58.2 28.9 86.7
150 157.4 0.0 349.6

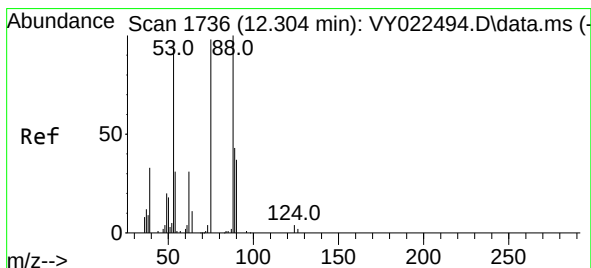
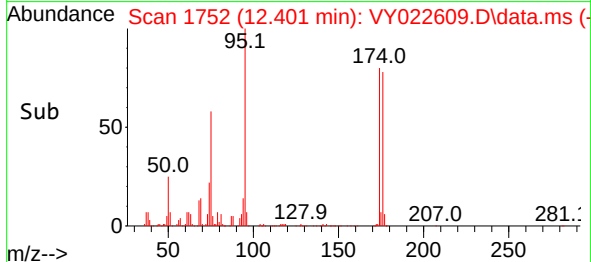
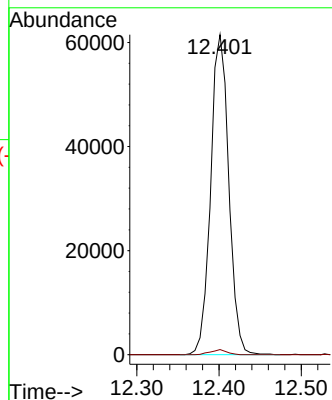
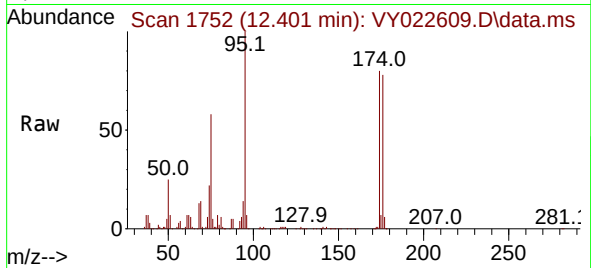




#76
1,2,3-Trichloropropane
Concen: 53.547 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022609.D
Acq: 06 Jun 2025 18:47

Instrument :
MSVOA_Y
ClientSampleId :
TP-S-VOC

Tgt Ion: 75 Resp: 94160
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.314 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022609.D
Acq: 06 Jun 2025 18:47

Tgt Ion: 75 Resp: 94160
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#

