

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090925\
 Data File : VY023318.D
 Acq On : 09 Sep 2025 12:03
 Operator : SY/MD
 Sample : Q3054-07
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-384-VOC

Quant Time: Sep 10 01:53:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

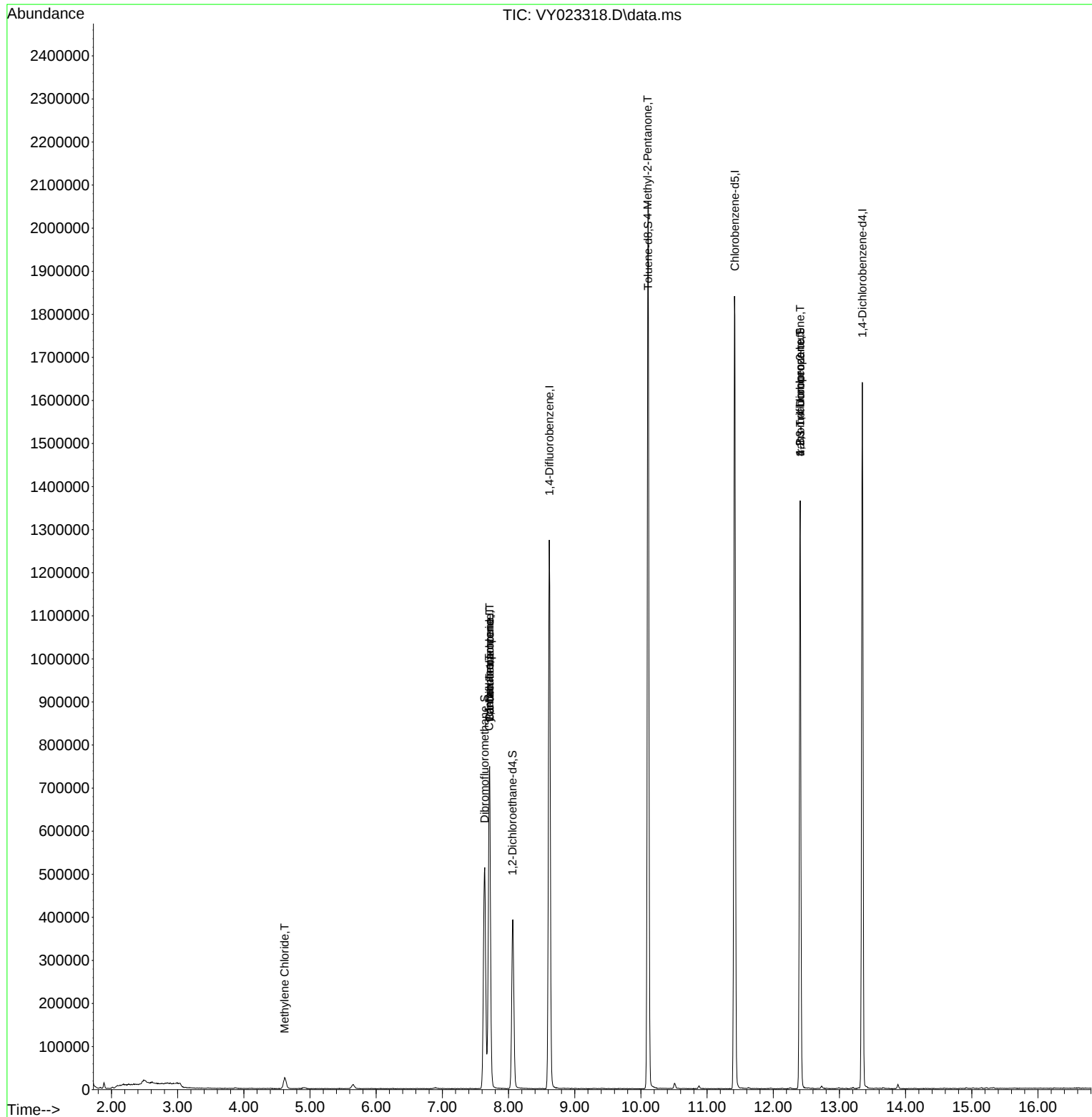
Internal Standards						
1) Pentafluorobenzene	7.713	168	606937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1140660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1048972	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	435963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	312241	58.546	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.100%	
35) Dibromofluoromethane	7.640	113	369789	53.036	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.080%	
50) Toluene-d8	10.109	98	1354848	51.460	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.920%	
62) 4-Bromofluorobenzene	12.408	95	411680	49.687	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.380%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.616	84	19739	3.037	ug/l	89
31) Cyclohexane	7.707	56	10588	1.134	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	41885	4.218	ug/l #	49
38) Carbon Tetrachloride	7.713	117	56487	4.943	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	5225	1.329	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	205841	46.624	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	205841	127.147	ug/l #	14

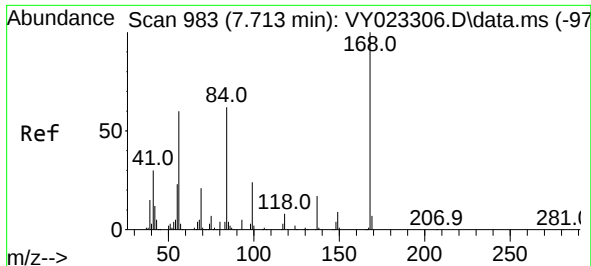
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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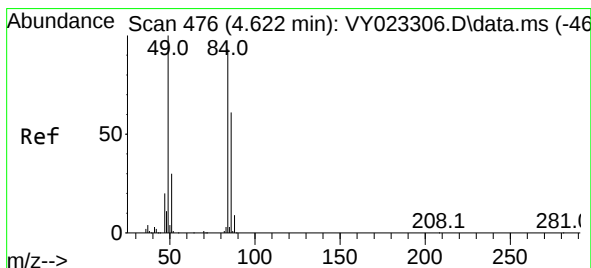
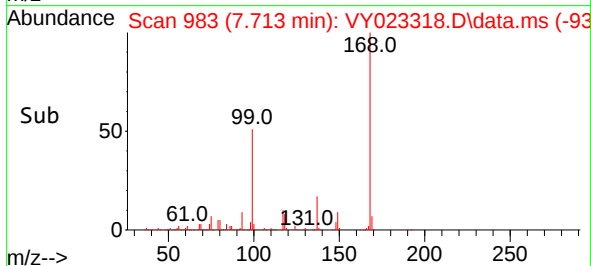
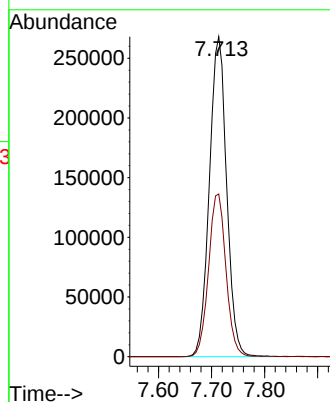
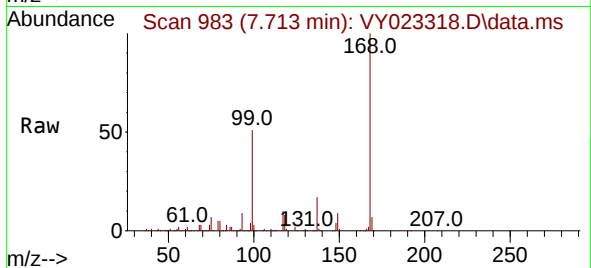




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023318.D
Acq: 09 Sep 2025 12:03

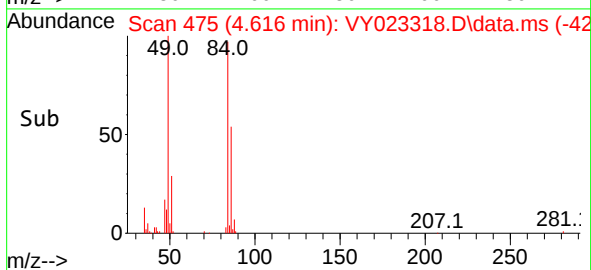
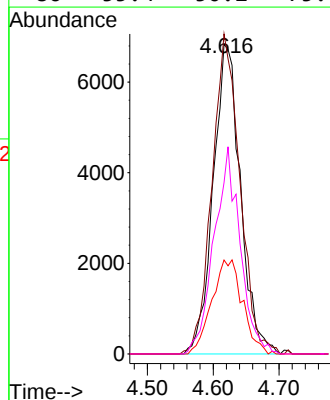
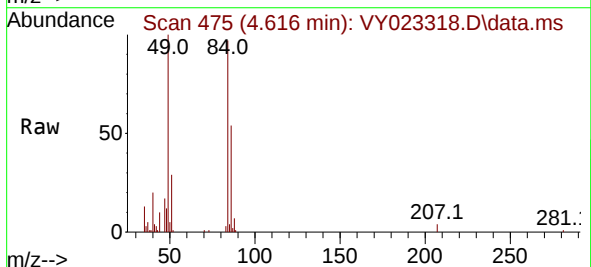
Instrument :
MSVOA_Y
ClientSampleId :
MH-384-VOC

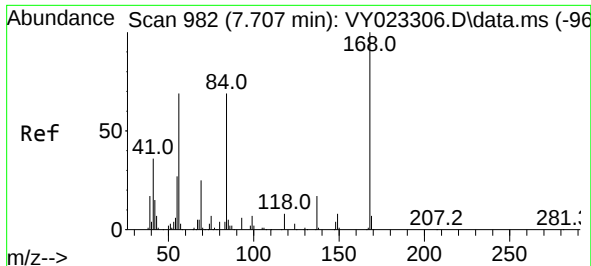
Tgt Ion:168 Resp: 606937
Ion Ratio Lower Upper
168 100
99 50.9 42.8 64.2



#20
Methylene Chloride
Concen: 3.037 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023318.D
Acq: 09 Sep 2025 12:03

Tgt Ion: 84 Resp: 19739
Ion Ratio Lower Upper
84 100
49 103.4 93.0 139.6
51 30.3 29.0 43.4
86 55.4 50.2 75.4

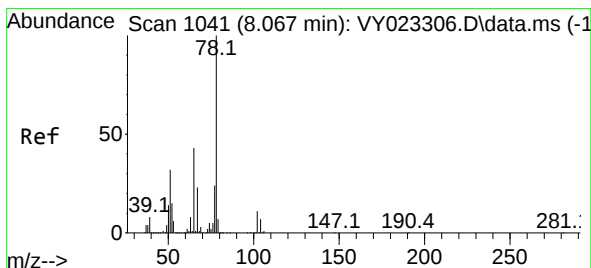
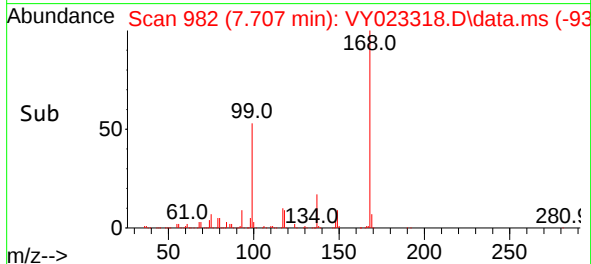
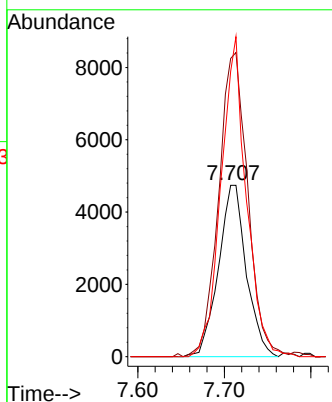
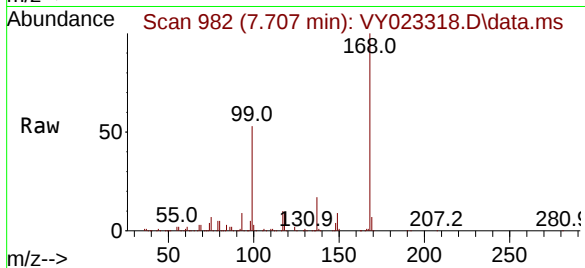




#31
Cyclohexane
Concen: 1.134 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023318.D
Acq: 09 Sep 2025 12:03

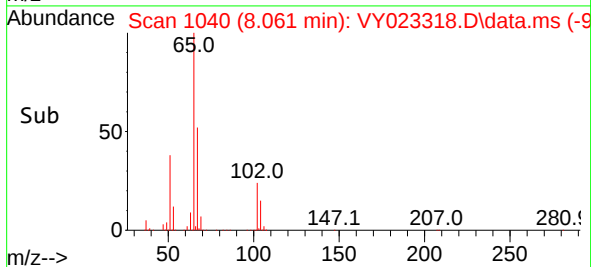
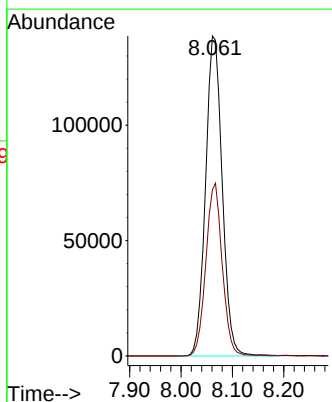
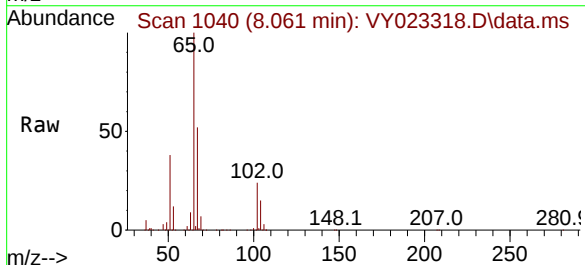
Instrument :
MSVOA_Y
ClientSampleId :
MH-384-VOC

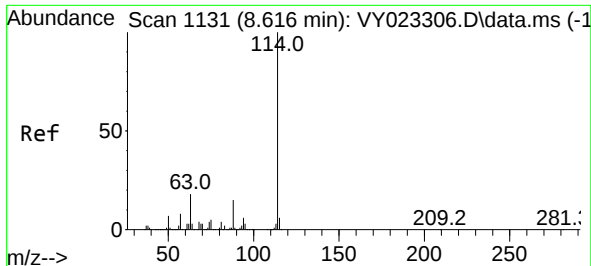
Tgt Ion: 56 Resp: 10588
Ion Ratio Lower Upper
56 100
69 172.3 28.2 42.2#
84 166.5 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 58.546 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023318.D
Acq: 09 Sep 2025 12:03

Tgt Ion: 65 Resp: 312241
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023318.D

Acq: 09 Sep 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

MH-384-VOC

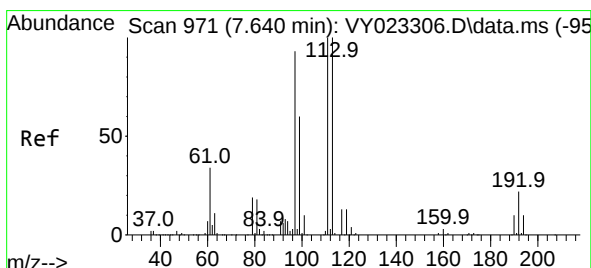
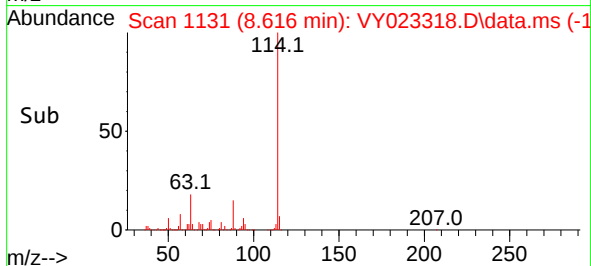
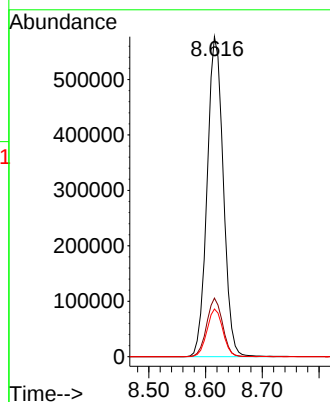
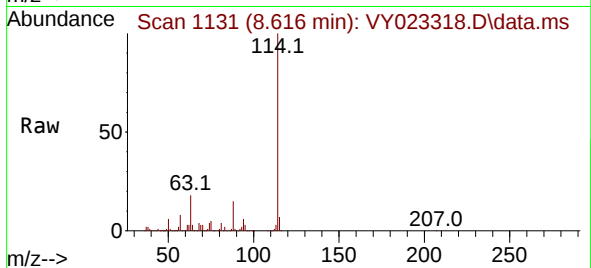
Tgt Ion:114 Resp: 1140660

Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

88 14.9 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.036 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY023318.D

Acq: 09 Sep 2025 12:03

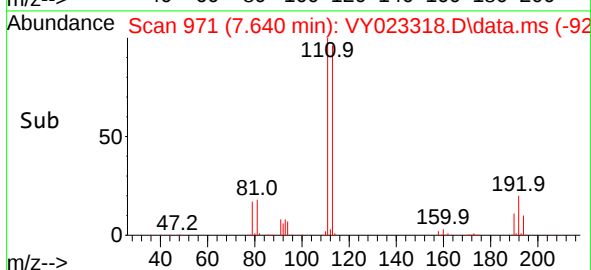
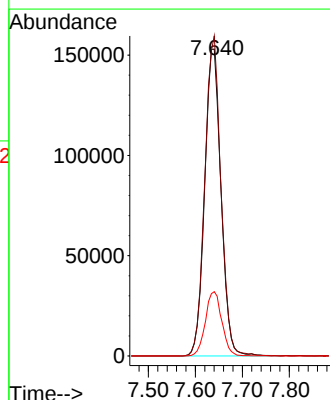
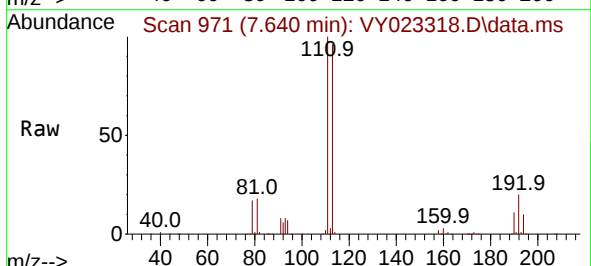
Tgt Ion:113 Resp: 369789

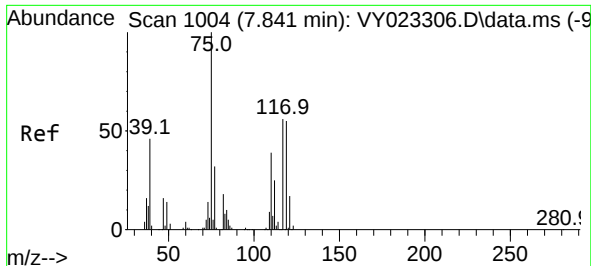
Ion Ratio Lower Upper

113 100

111 102.8 81.1 121.7

192 21.0 16.2 24.4

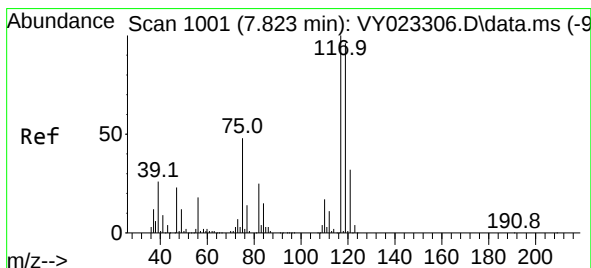
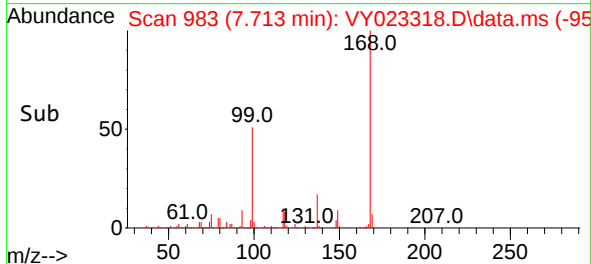
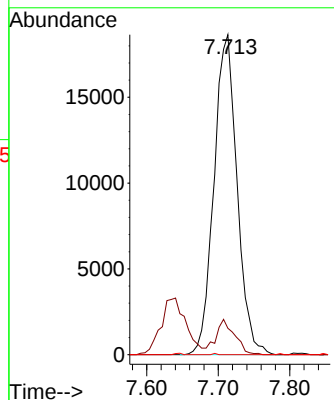
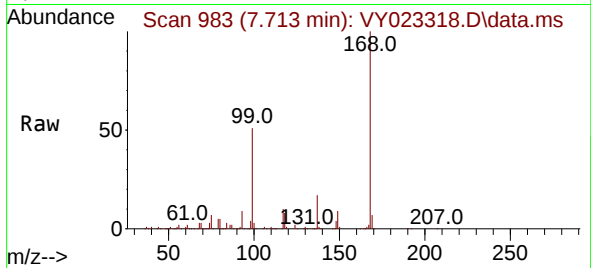




#36
 1,1-Dichloropropene
 Concen: 4.218 ug/l
 RT: 7.713 min Scan# 983
 Delta R.T. -0.116 min
 Lab File: VY023318.D
 Acq: 09 Sep 2025 12:03

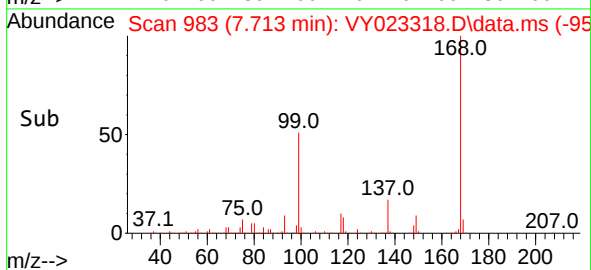
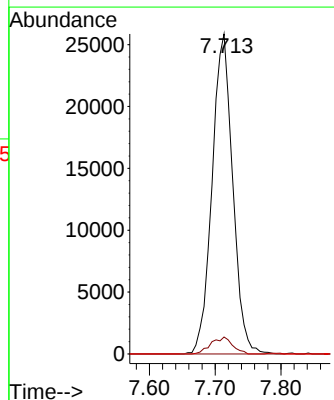
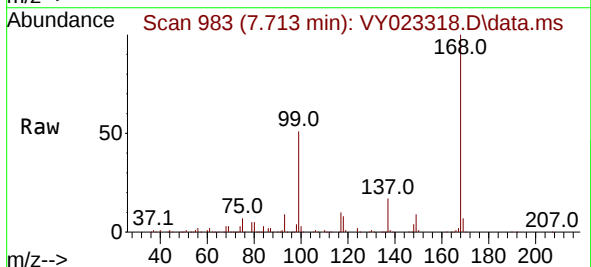
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-384-VOC

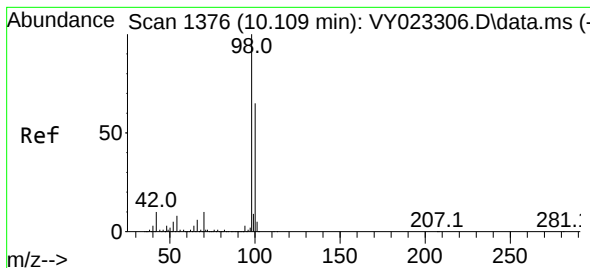
Tgt Ion: 75 Resp: 41885
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.4#
 77 0.1 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 4.943 ug/l
 RT: 7.713 min Scan# 983
 Delta R.T. -0.103 min
 Lab File: VY023318.D
 Acq: 09 Sep 2025 12:03

Tgt Ion: 117 Resp: 56487
 Ion Ratio Lower Upper
 117 100
 119 5.3 75.6 113.4#
 121 0.0 25.8 38.8#

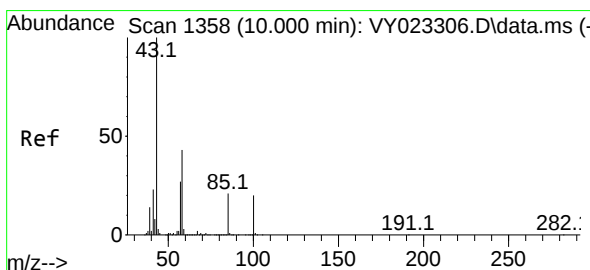
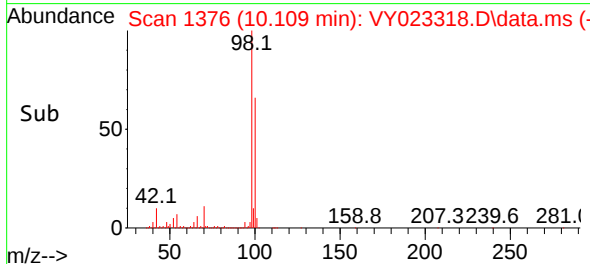
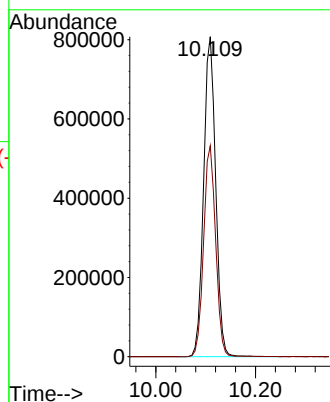
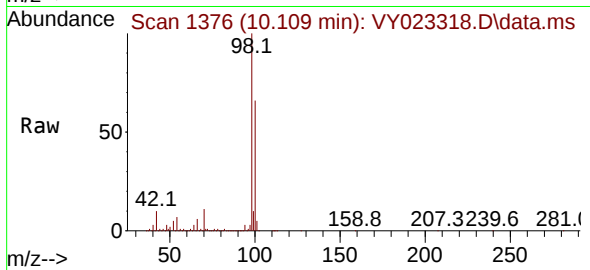




#50
Toluene-d8
Concen: 51.460 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023318.D
Acq: 09 Sep 2025 12:03

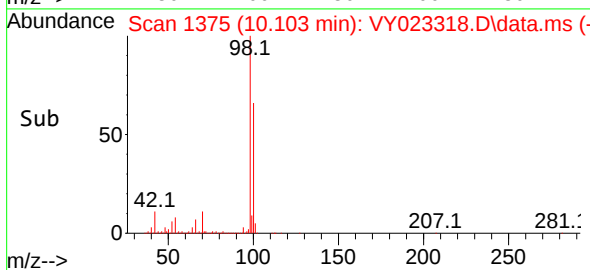
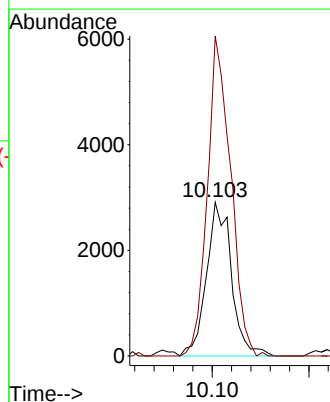
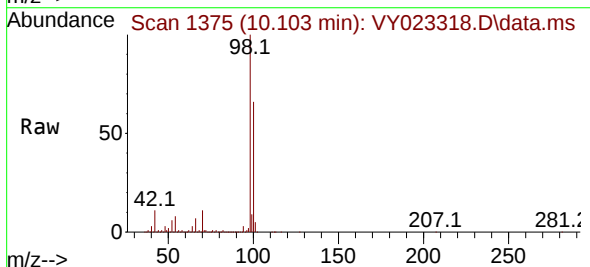
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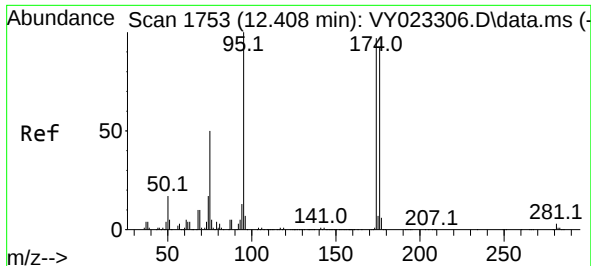
Tgt Ion: 98 Resp: 1354848
Ion Ratio Lower Upper
98 100
100 65.8 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.329 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023318.D
Acq: 09 Sep 2025 12:03

Tgt Ion: 43 Resp: 5225
Ion Ratio Lower Upper
43 100
58 194.1 33.5 50.3#

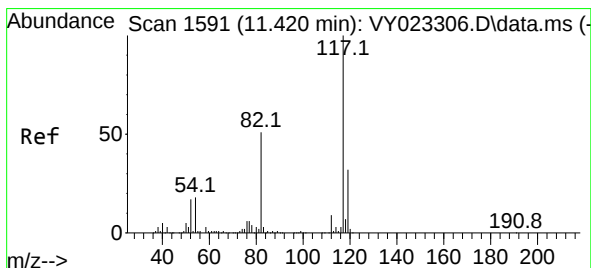
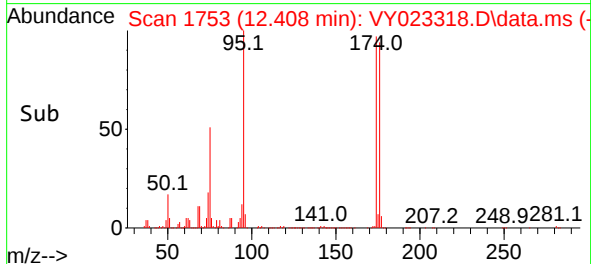
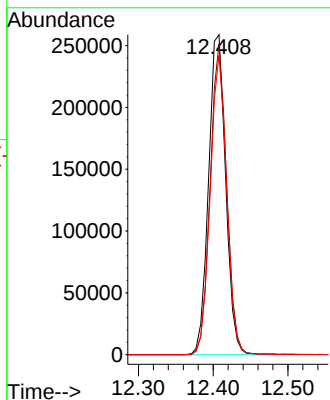
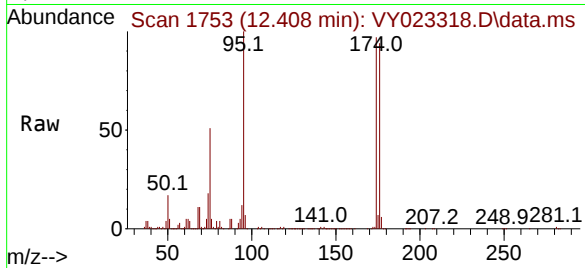




#62
4-Bromofluorobenzene
Concen: 49.687 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023318.D
Acq: 09 Sep 2025 12:03

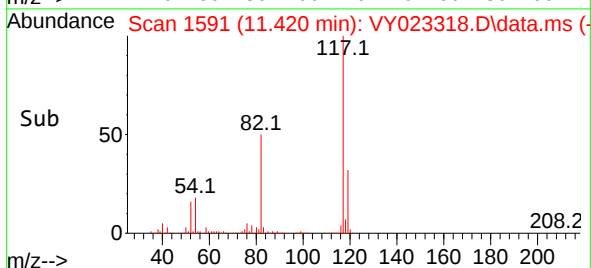
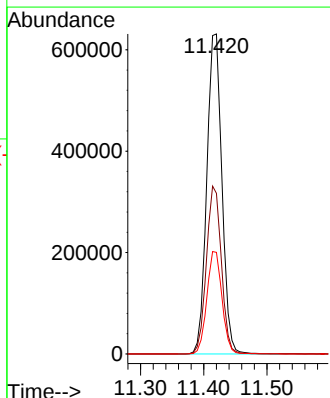
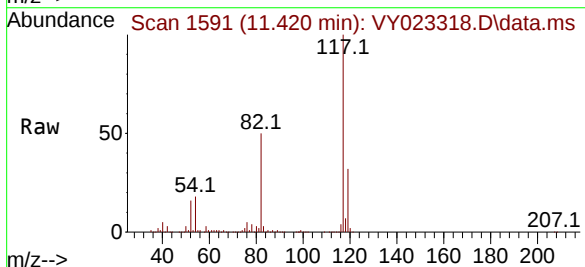
Instrument :
MSVOA_Y
ClientSampleId :
MH-384-VOC

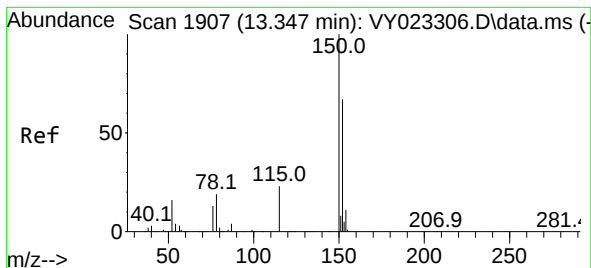
Tgt Ion: 95 Resp: 411680
Ion Ratio Lower Upper
95 100
174 93.4 0.0 171.6
176 89.9 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.012 min
Lab File: VY023318.D
Acq: 09 Sep 2025 12:03

Tgt Ion: 117 Resp: 1048972
Ion Ratio Lower Upper
117 100
82 50.2 43.4 65.0
119 31.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023318.D

Acq: 09 Sep 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

MH-384-VOC

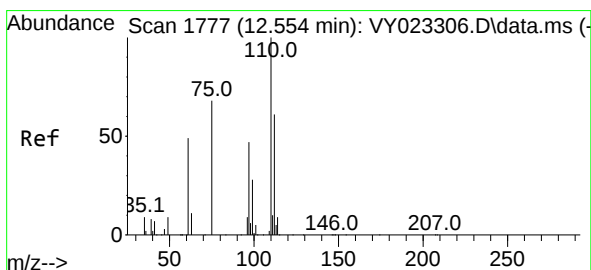
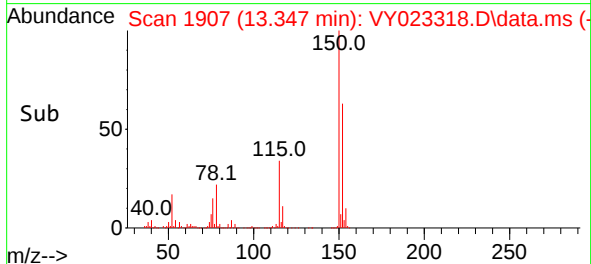
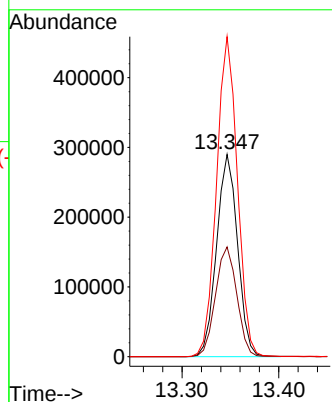
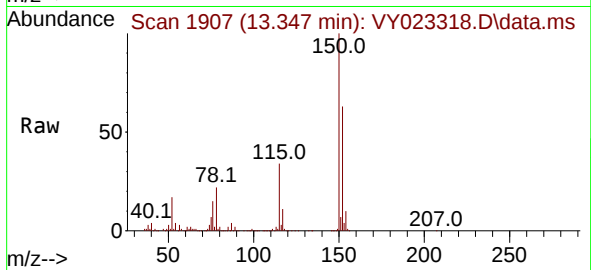
Tgt Ion:152 Resp: 435963

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.6

150 157.4 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 46.624 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.140 min

Lab File: VY023318.D

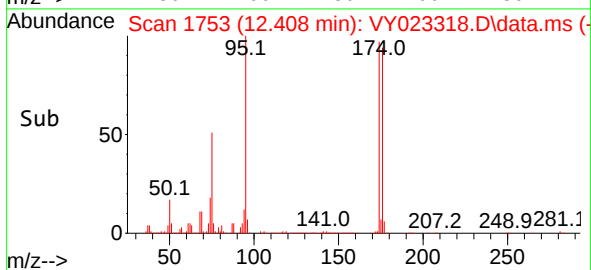
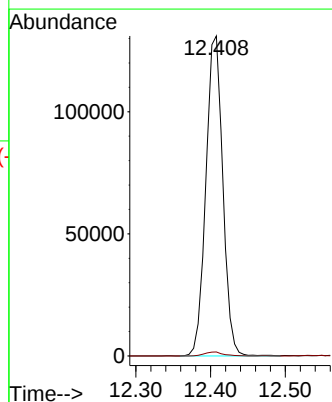
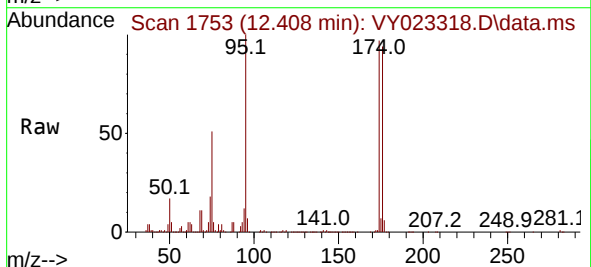
Acq: 09 Sep 2025 12:03

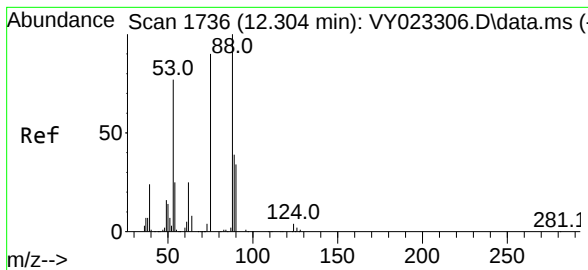
Tgt Ion: 75 Resp: 205841

Ion Ratio Lower Upper

75 100

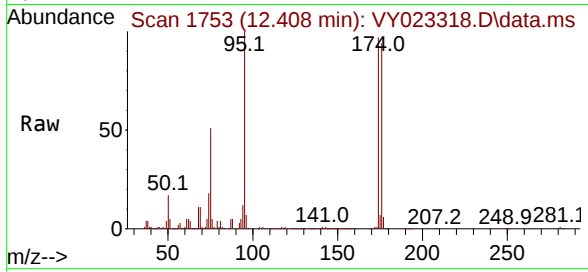
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.147 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023318.D
 Acq: 09 Sep 2025 12:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-384-VOC



Tgt Ion: 75 Resp: 205841
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.0 38.1 57.1#

