

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022623.D
 Acq On : 09 Jun 2025 12:26
 Operator : SY/MD
 Sample : Q2240-11
 Misc : 4.85g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

Quant Time: Jun 10 01:27:44 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)

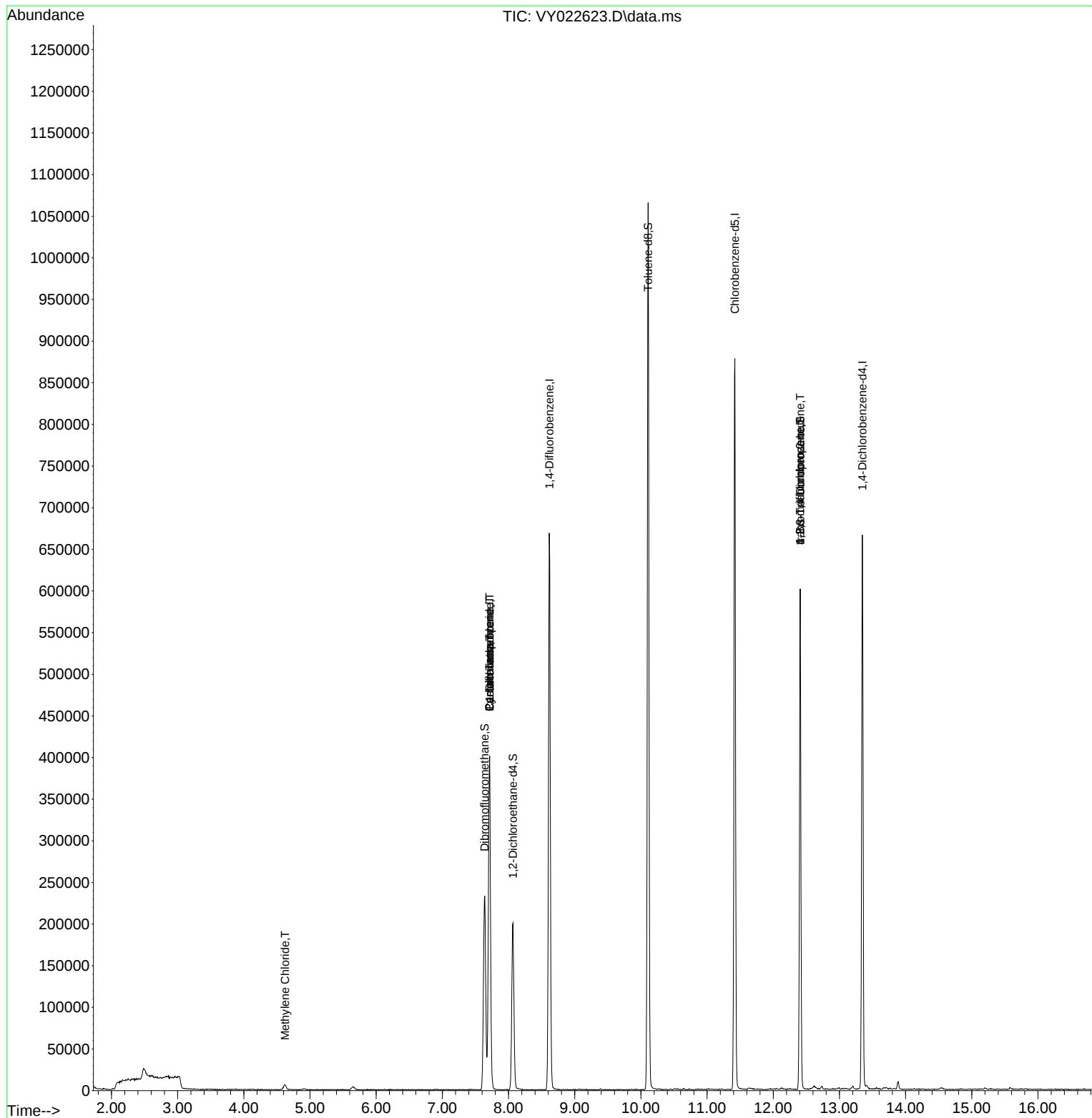
Internal Standards						
1) Pentafluorobenzene	7.713	168	292006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	541428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	431285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	150287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	152253	46.619	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.240%		
35) Dibromofluoromethane	7.640	113	160671	49.718	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.440%		
50) Toluene-d8	10.109	98	657643	50.363	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.720%		
62) 4-Bromofluorobenzene	12.408	95	158508	40.741	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	81.480%		
Target Compounds						
20) Methylene Chloride	4.623	84	3865	1.026	ug/l	92
31) Cyclohexane	7.713	56	8257	1.316	ug/l #	47
36) 1,1-Dichloropropene	7.713	75	26580	5.068	ug/l #	50
38) Carbon Tetrachloride	7.713	117	30597	5.687	ug/l #	15
76) 1,2,3-Trichloropropane	12.408	75	92949	54.061	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	92949	130.554	ug/l #	10

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

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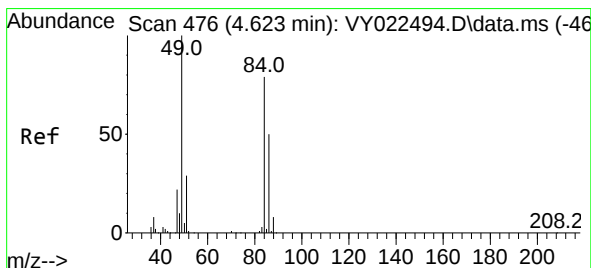
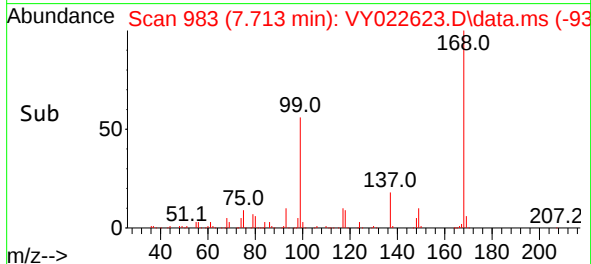
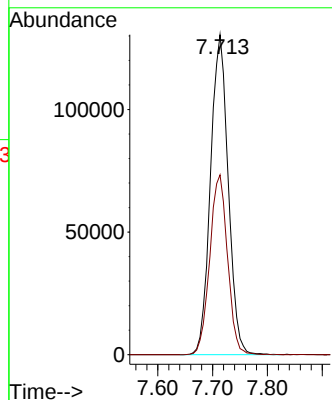
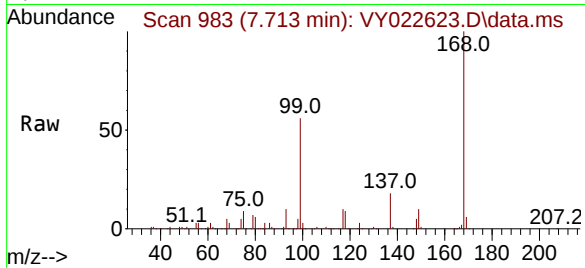




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022623.D
Acq: 09 Jun 2025 12:26

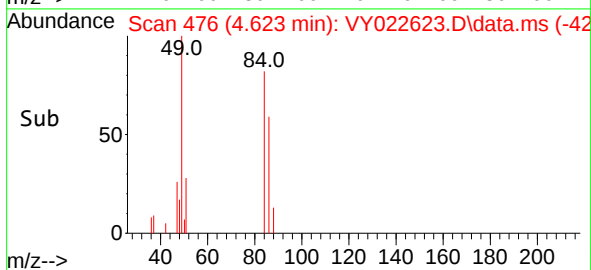
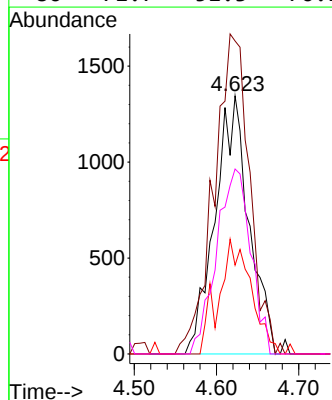
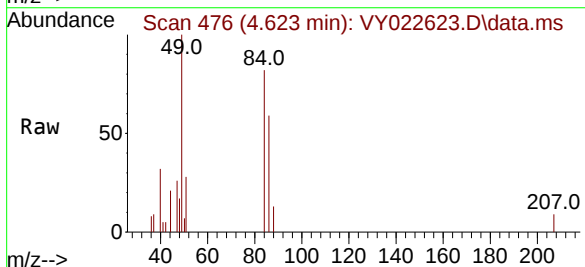
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

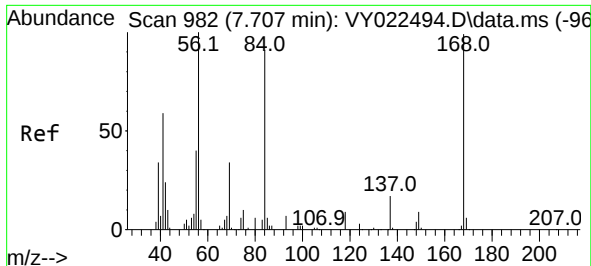
Tgt Ion:168 Resp: 292006
Ion Ratio Lower Upper
168 100
99 56.2 44.3 66.5



#20
Methylene Chloride
Concen: 1.026 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022623.D
Acq: 09 Jun 2025 12:26

Tgt Ion: 84 Resp: 3865
Ion Ratio Lower Upper
84 100
49 117.3 101.9 152.9
51 34.4 29.8 44.8
86 71.7 51.3 76.9

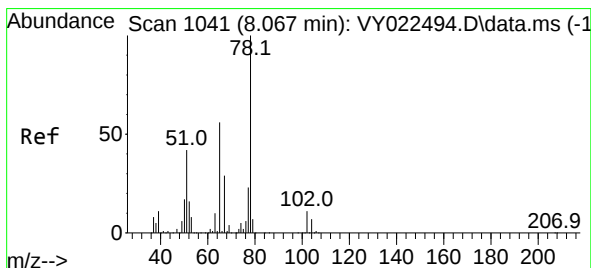
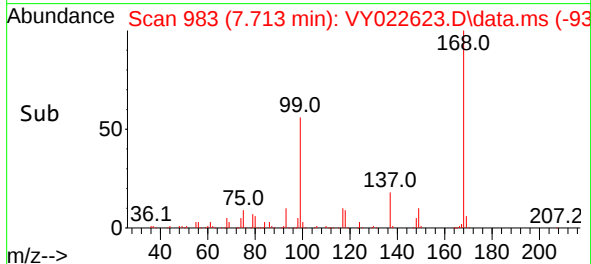
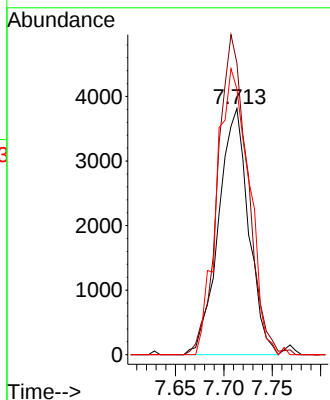
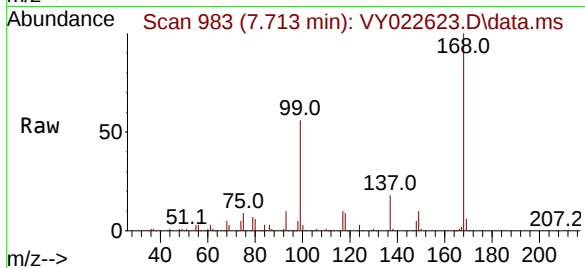




#31
Cyclohexane
Concen: 1.316 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022623.D
Acq: 09 Jun 2025 12:26

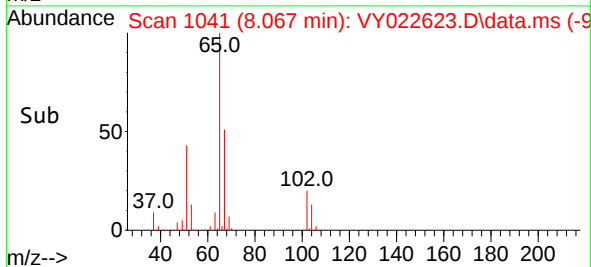
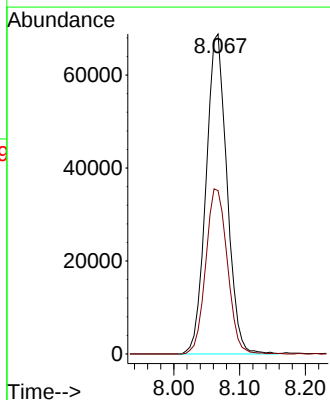
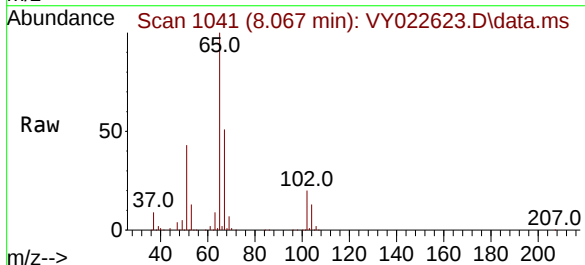
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

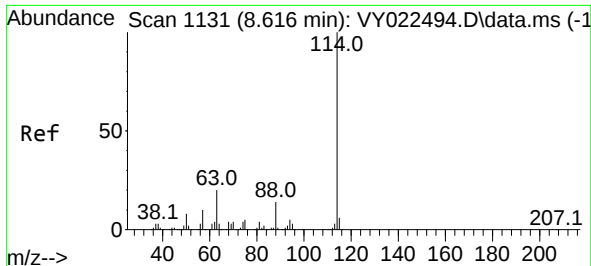
Tgt Ion: 56 Resp: 8257
Ion Ratio Lower Upper
56 100
69 118.5 27.0 40.6#
84 107.9 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 46.619 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY022623.D
Acq: 09 Jun 2025 12:26

Tgt Ion: 65 Resp: 152253
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.4

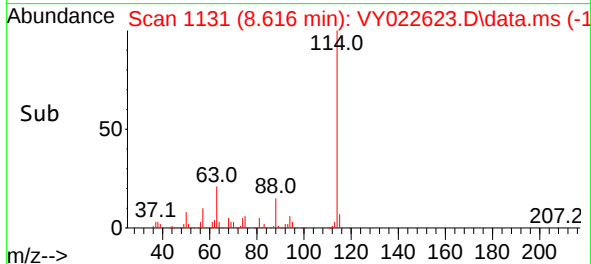
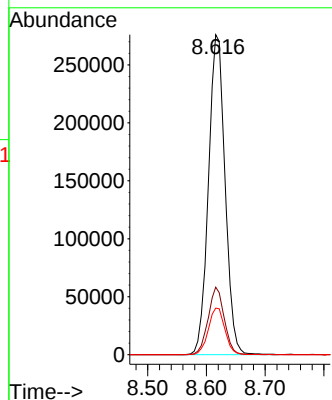
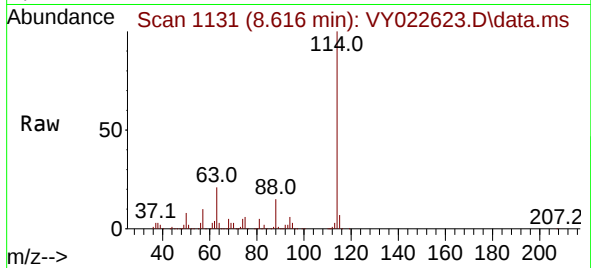




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY022623.D
 Acq: 09 Jun 2025 12:26

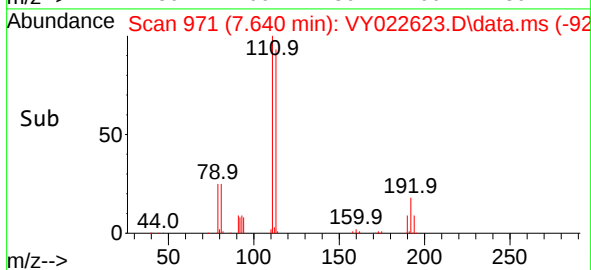
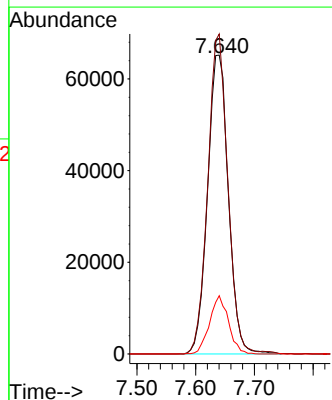
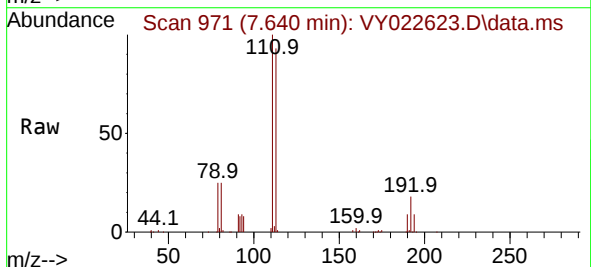
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

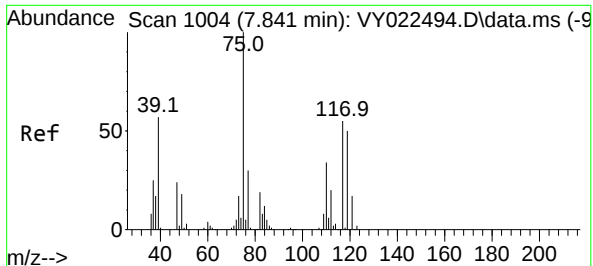
Tgt Ion:114 Resp: 541428
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.8
 88 14.6 0.0 27.8



#35
 Dibromofluoromethane
 Concen: 49.718 ug/l
 RT: 7.640 min Scan# 971
 Delta R.T. 0.000 min
 Lab File: VY022623.D
 Acq: 09 Jun 2025 12:26

Tgt Ion:113 Resp: 160671
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.1 121.7
 192 17.7 14.2 21.2

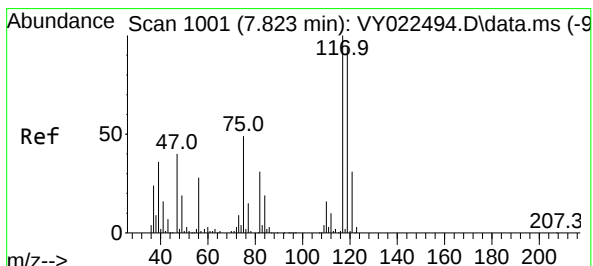
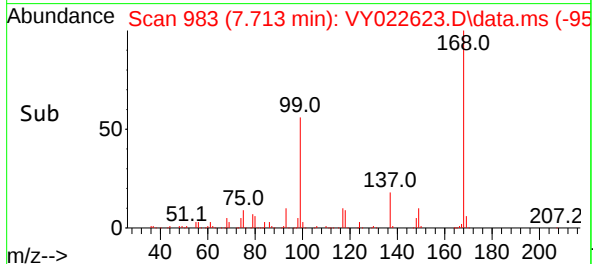
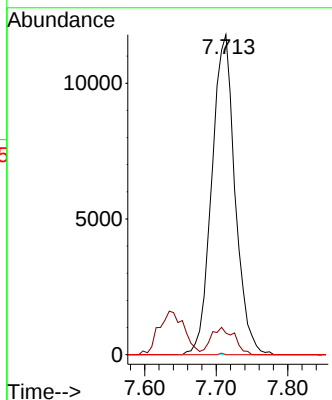
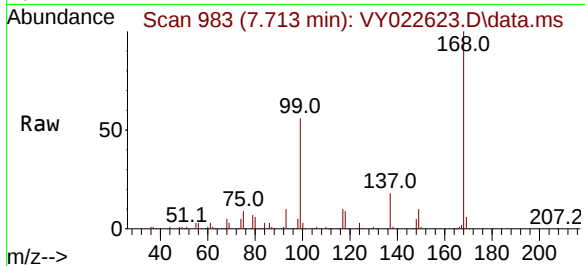




#36
 1,1-Dichloropropene
 Concen: 5.068 ug/l
 RT: 7.713 min Scan# 983
 Delta R.T. -0.128 min
 Lab File: VY022623.D
 Acq: 09 Jun 2025 12:26

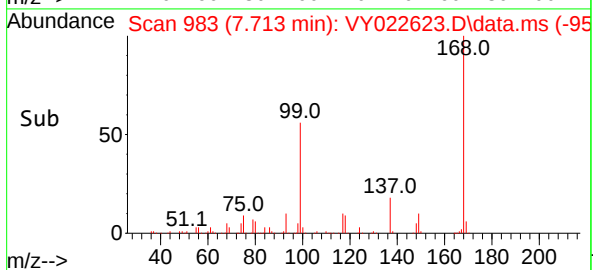
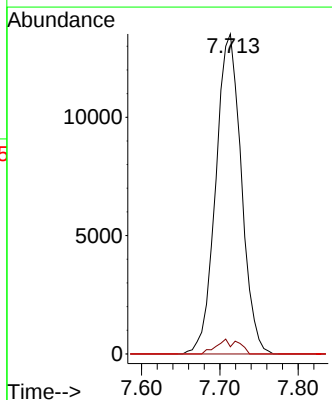
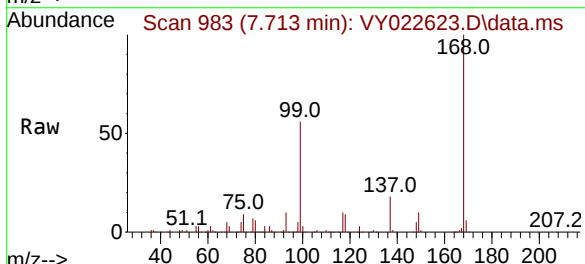
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

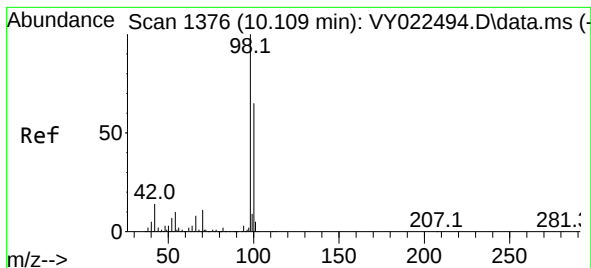
Tgt Ion: 75 Resp: 26580
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.9 50.7#
 77 0.1 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.687 ug/l
 RT: 7.713 min Scan# 983
 Delta R.T. -0.110 min
 Lab File: VY022623.D
 Acq: 09 Jun 2025 12:26

Tgt Ion: 117 Resp: 30597
 Ion Ratio Lower Upper
 117 100
 119 2.2 75.0 112.6#
 121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 50.363 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY022623.D

Acq: 09 Jun 2025 12:26

Instrument :

MSVOA_Y

ClientSampleId :

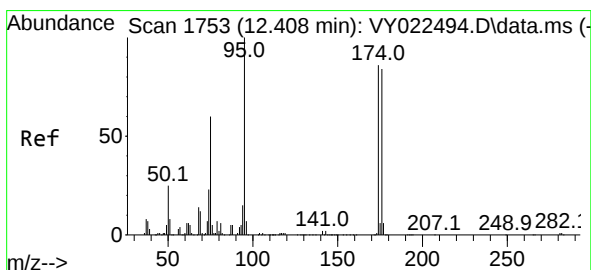
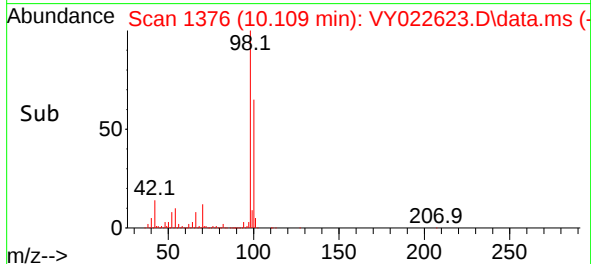
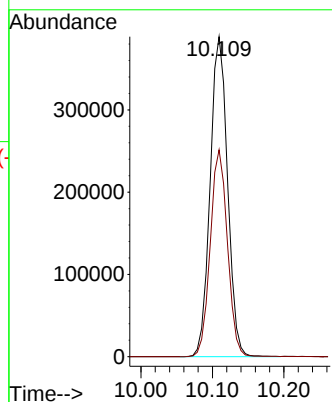
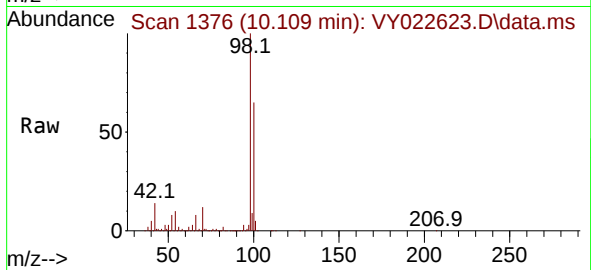
TP-1-VOC

Tgt Ion: 98 Resp: 657643

Ion Ratio Lower Upper

98 100

100 63.8 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 40.741 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY022623.D

Acq: 09 Jun 2025 12:26

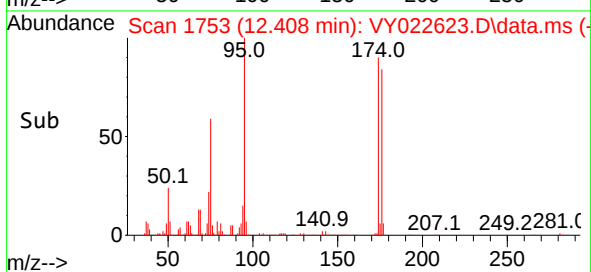
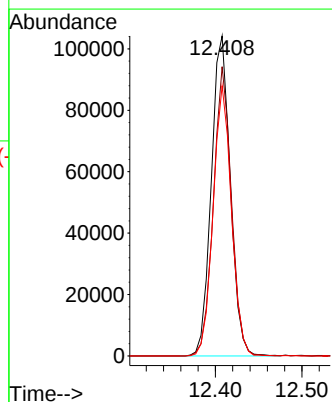
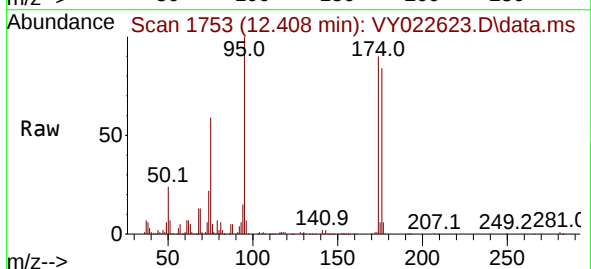
Tgt Ion: 95 Resp: 158508

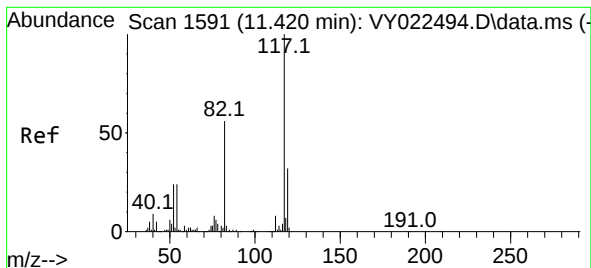
Ion Ratio Lower Upper

95 100

174 85.9 0.0 170.0

176 81.6 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: VY022623.D

Acq: 09 Jun 2025 12:26

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

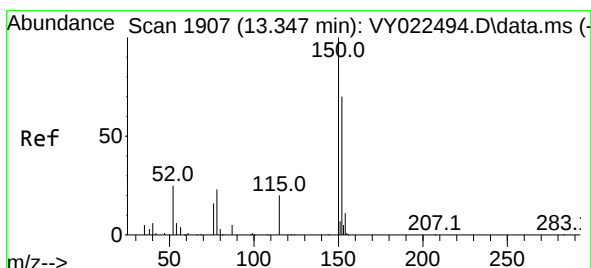
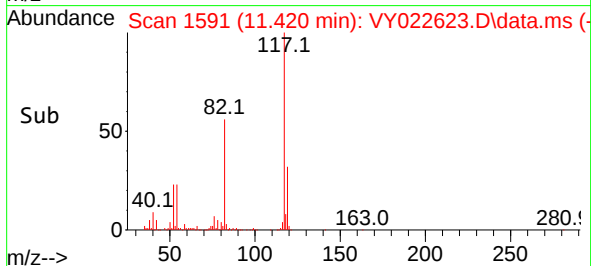
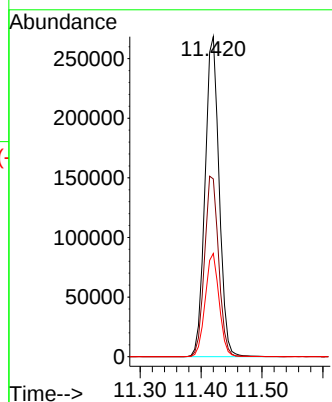
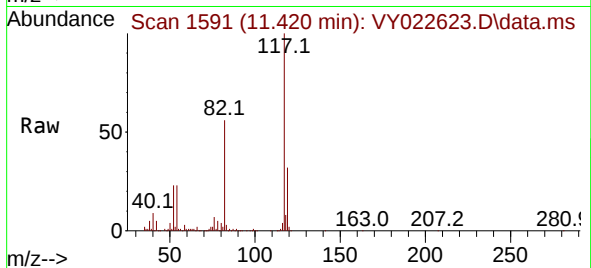
Tgt Ion:117 Resp: 431285

Ion Ratio Lower Upper

117 100

82 55.6 44.6 66.8

119 32.2 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022623.D

Acq: 09 Jun 2025 12:26

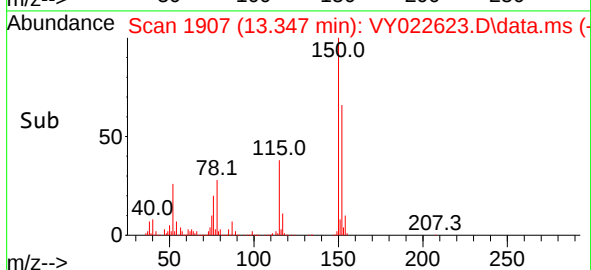
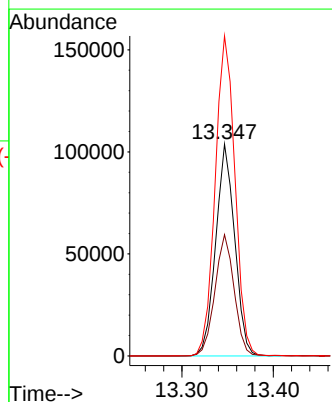
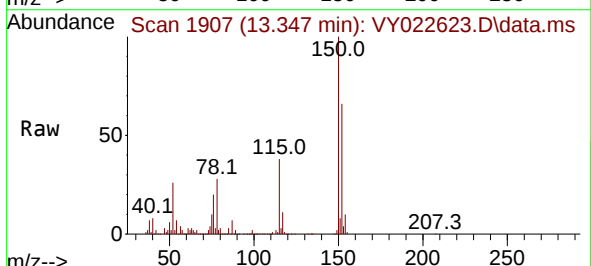
Tgt Ion:152 Resp: 150287

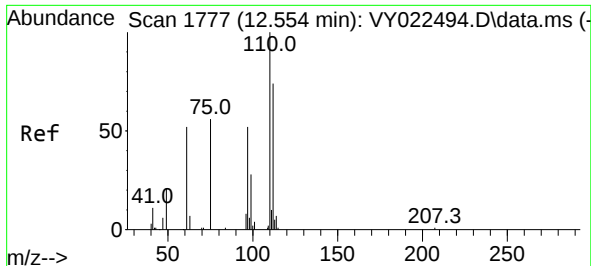
Ion Ratio Lower Upper

152 100

115 58.0 28.9 86.7

150 156.9 0.0 349.6

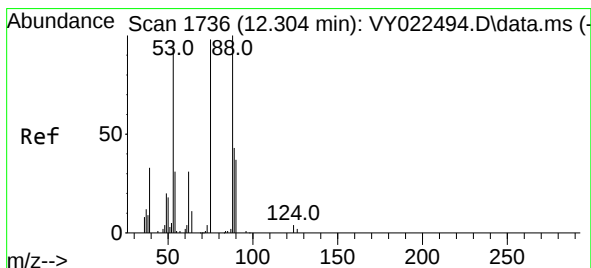
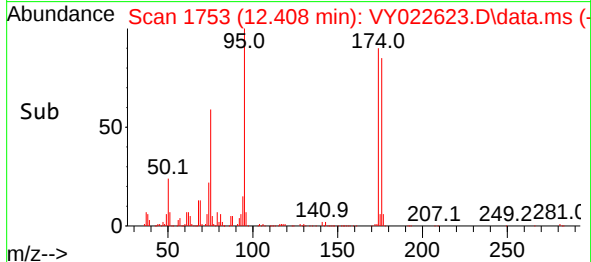
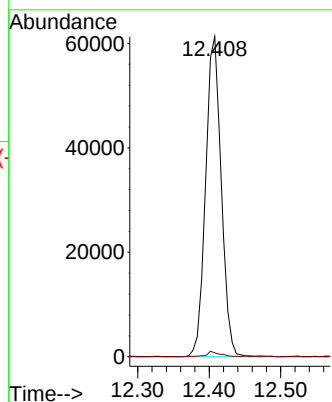
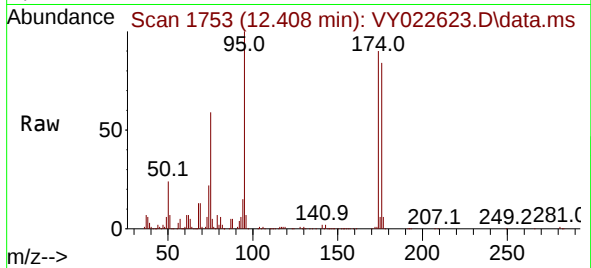




#76
1,2,3-Trichloropropane
Concen: 54.061 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022623.D
Acq: 09 Jun 2025 12:26

Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

Tgt Ion: 75 Resp: 92949
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.554 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022623.D
Acq: 09 Jun 2025 12:26

Tgt Ion: 75 Resp: 92949
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.0 35.7 53.5#

