

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061025\
 Data File : VY022643.D
 Acq On : 10 Jun 2025 12:22
 Operator : SY/MD
 Sample : Q2274-02
 Misc : 4.89g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-13-MHP-VOC

Quant Time: Jun 11 01:49:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

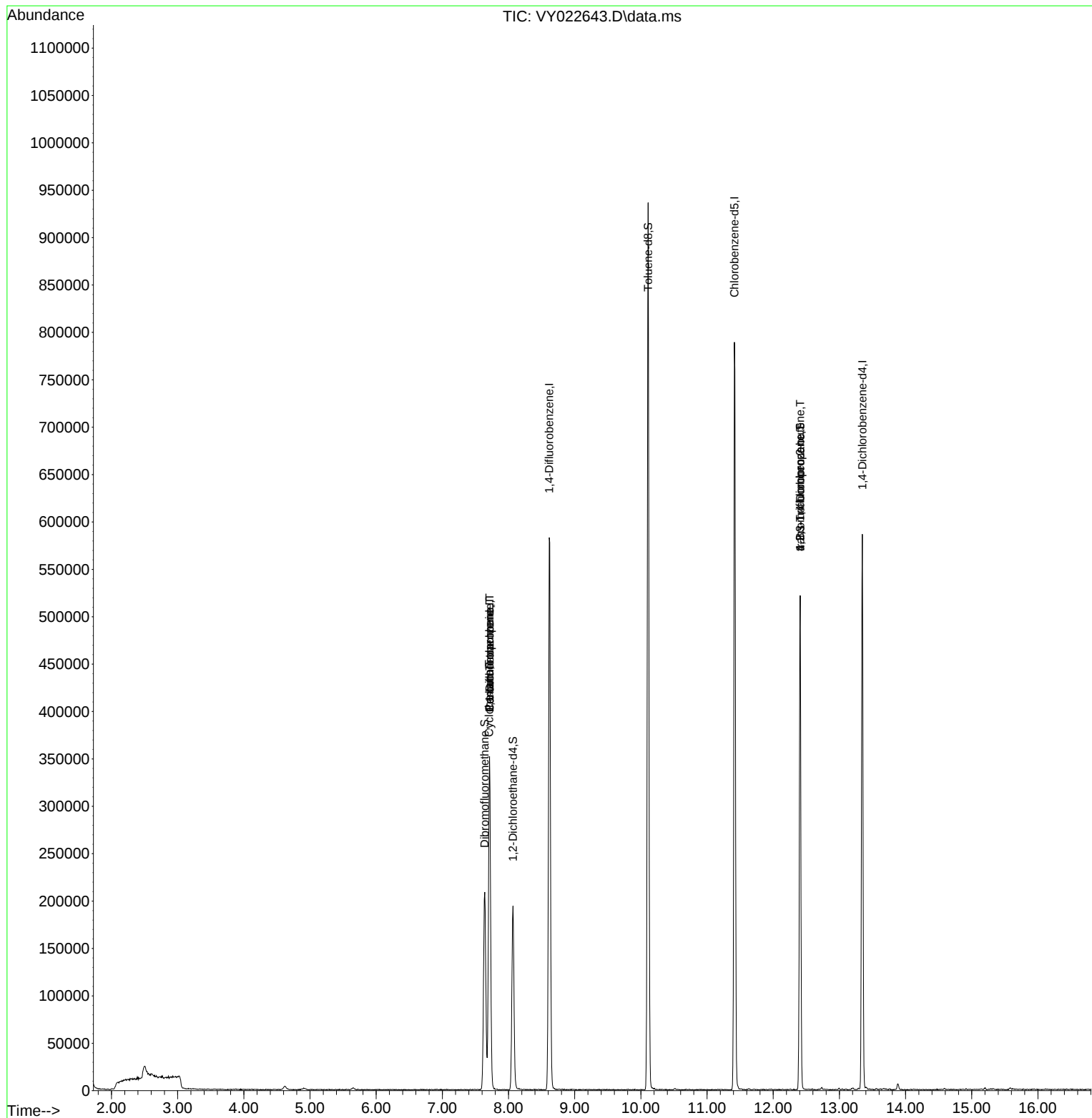
Internal Standards						
1) Pentafluorobenzene	7.713	168	257370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	479196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	386407	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	134064	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	145006	50.375	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.740%	
35) Dibromofluoromethane	7.640	113	146332	51.161	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.320%	
50) Toluene-d8	10.109	98	578672	50.071	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.140%	
62) 4-Bromofluorobenzene	12.408	95	142297	41.324	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.640%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.707	56	7263	1.313	ug/l #	58
36) 1,1-Dichloropropene	7.713	75	23025	4.960	ug/l #	51
38) Carbon Tetrachloride	7.713	117	26161	5.494	ug/l #	18
76) 1,2,3-Trichloropropane	12.408	75	84259	54.937	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	84259	132.669	ug/l #	10

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

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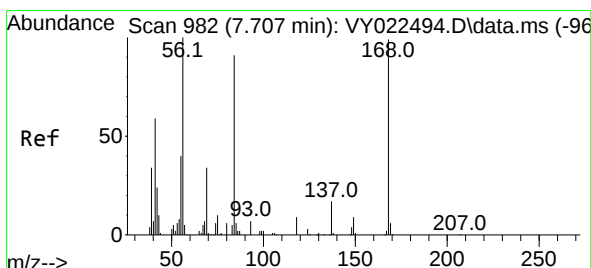
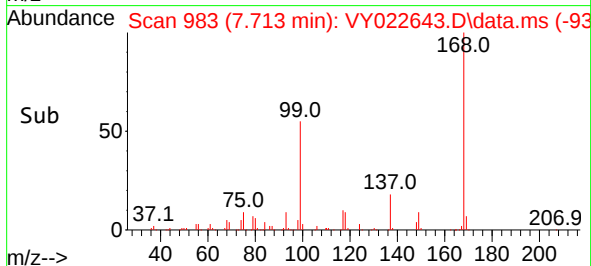
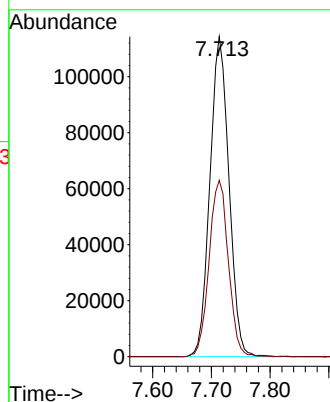
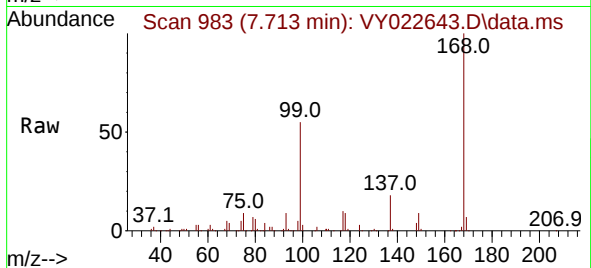




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022643.D
Acq: 10 Jun 2025 12:22

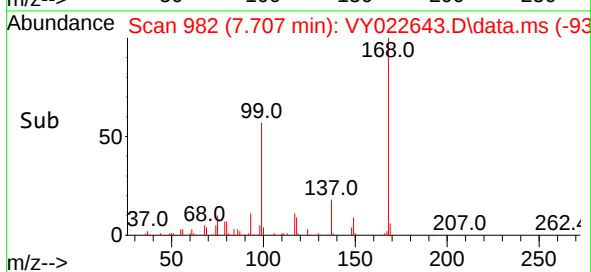
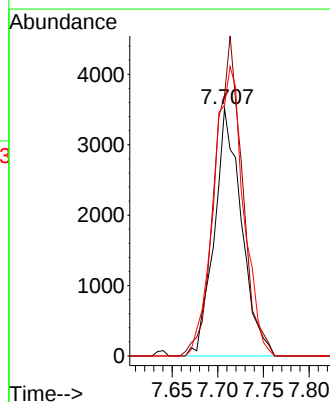
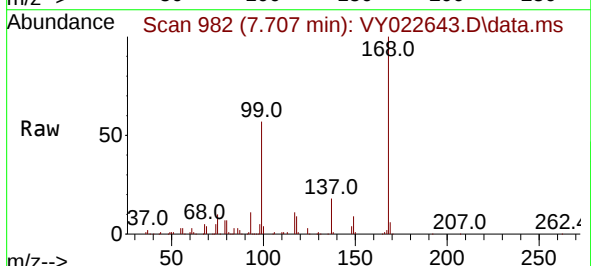
Instrument :
MSVOA_Y
ClientSampleId :
TP-13-MHP-VOC

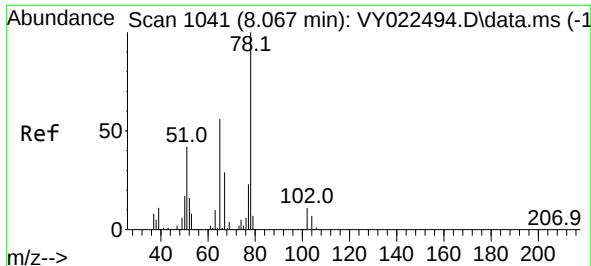
Tgt Ion:168 Resp: 257370
Ion Ratio Lower Upper
168 100
99 55.1 44.3 66.5



#31
Cyclohexane
Concen: 1.313 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022643.D
Acq: 10 Jun 2025 12:22

Tgt Ion: 56 Resp: 7263
Ion Ratio Lower Upper
56 100
69 105.0 27.0 40.6#
84 101.3 72.6 109.0





#33

1,2-Dichloroethane-d4

Concen: 50.375 ug/l

RT: 8.067 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022643.D

Acq: 10 Jun 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

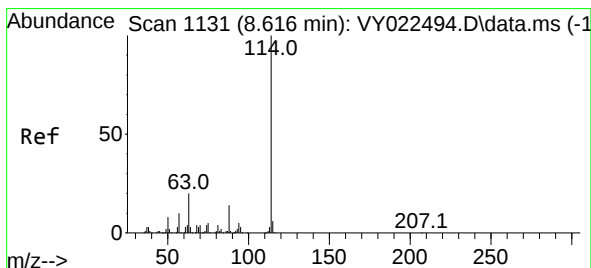
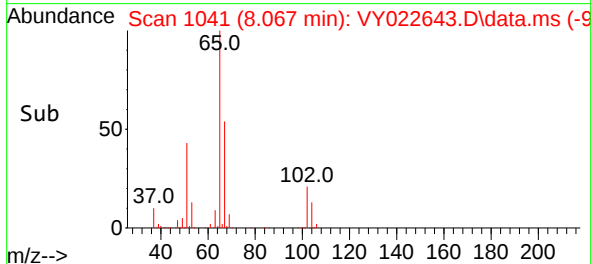
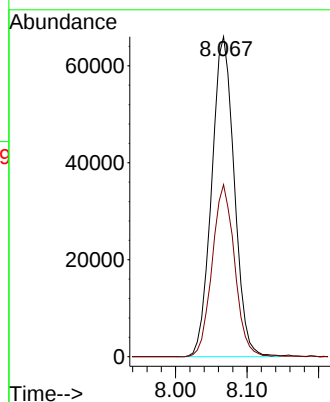
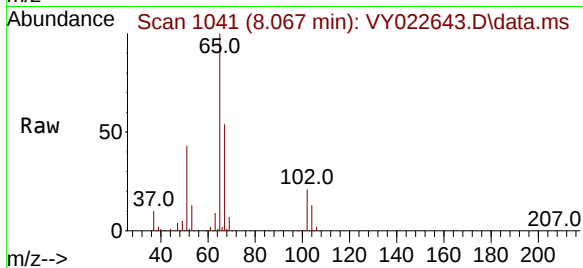
TP-13-MHP-VOC

Tgt Ion: 65 Resp: 145006

Ion Ratio Lower Upper

65 100

67 53.4 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: VY022643.D

Acq: 10 Jun 2025 12:22

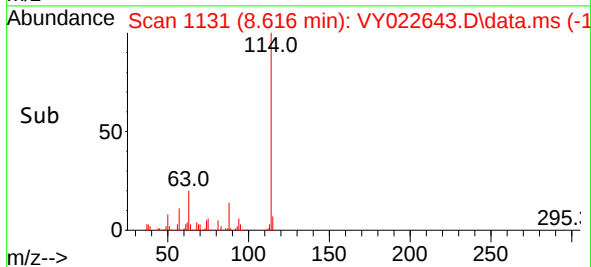
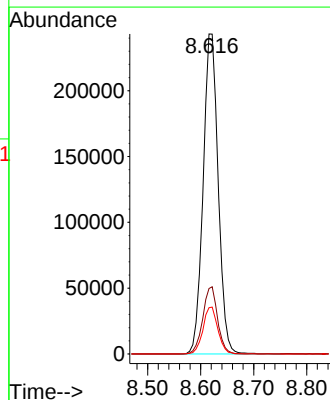
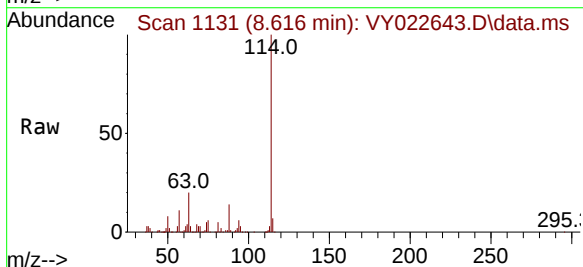
Tgt Ion: 114 Resp: 479196

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 14.5 0.0 27.8





#35

Dibromofluoromethane

Concen: 51.161 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022643.D

Acq: 10 Jun 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-13-MHP-VOC

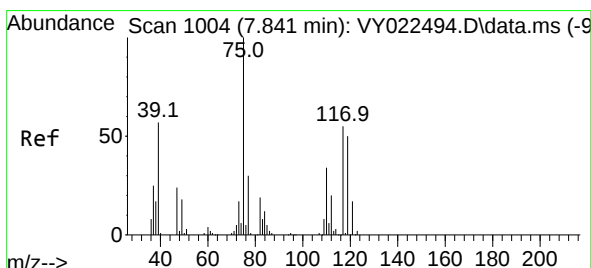
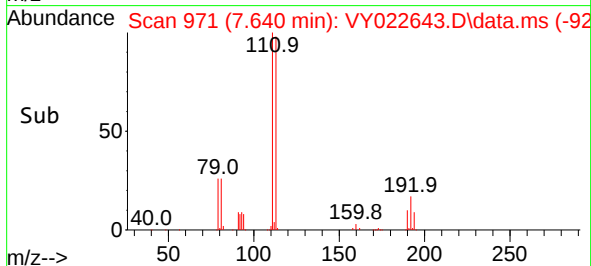
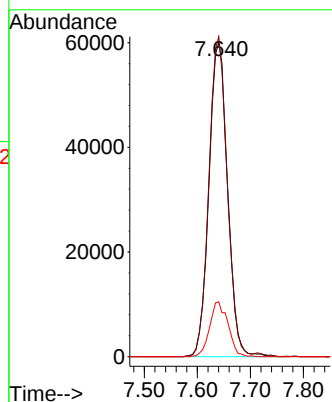
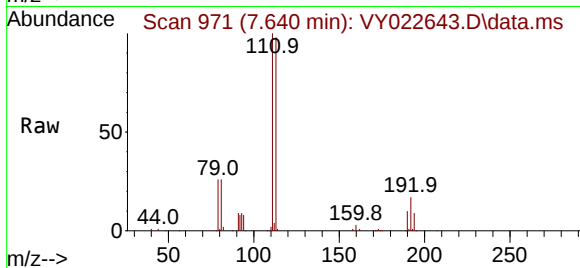
Tgt Ion:113 Resp: 146332

Ion Ratio Lower Upper

113 100

111 100.4 81.1 121.7

192 17.3 14.2 21.2



#36

1,1-Dichloropropene

Concen: 4.960 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY022643.D

Acq: 10 Jun 2025 12:22

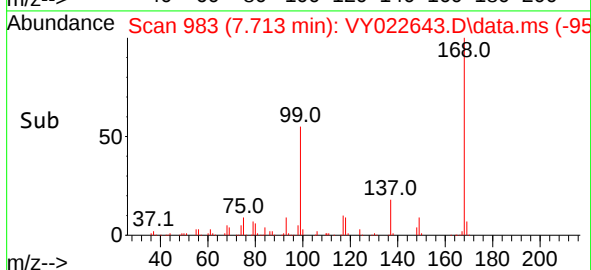
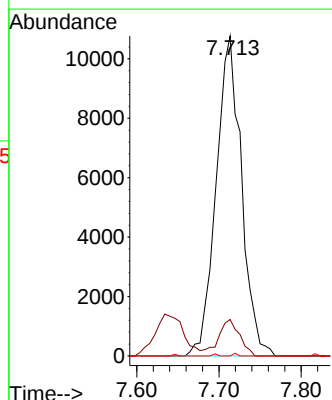
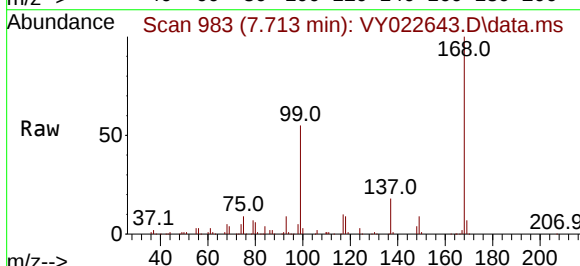
Tgt Ion: 75 Resp: 23025

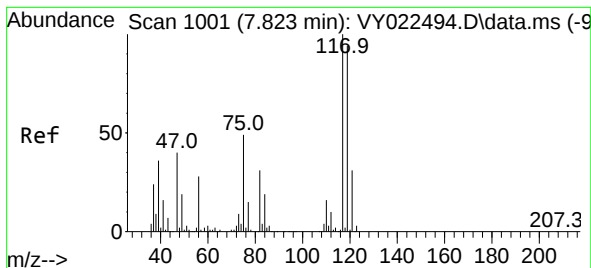
Ion Ratio Lower Upper

75 100

110 9.2 16.9 50.7#

77 0.1 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.494 ug/l

RT: 7.713 min Scan# 9

Delta R.T. -0.110 min

Lab File: VY022643.D

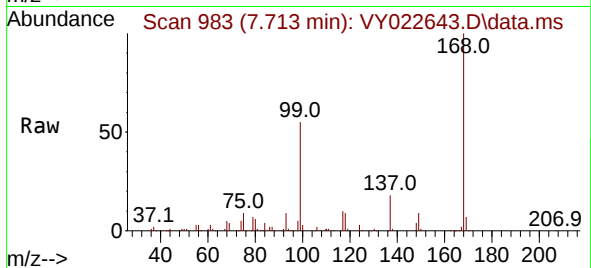
Acq: 10 Jun 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-13-MHP-VOC



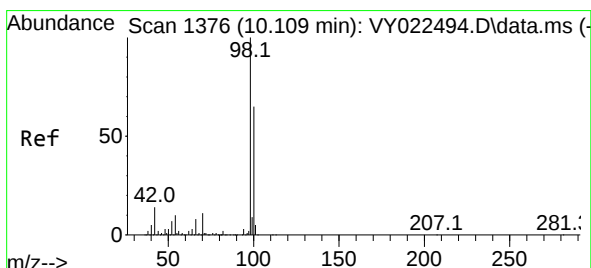
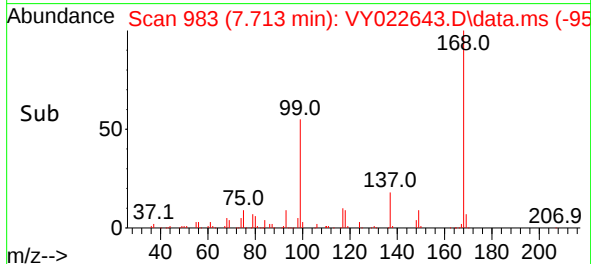
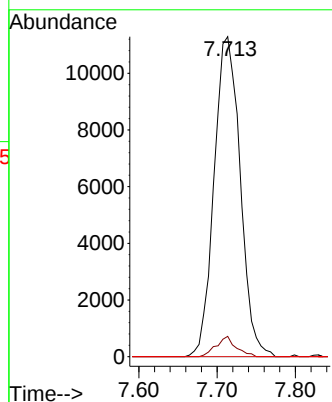
Tgt Ion:117 Resp: 26161

Ion Ratio Lower Upper

117 100

119 6.3 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 50.071 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022643.D

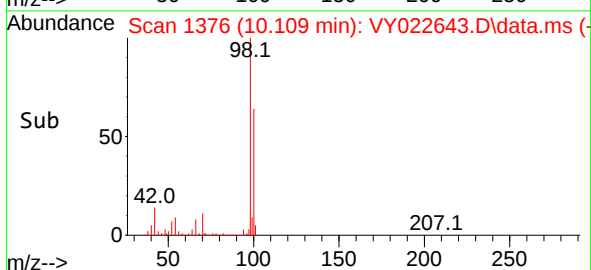
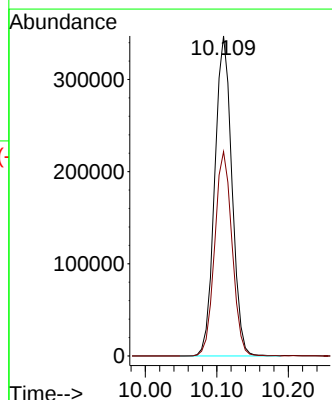
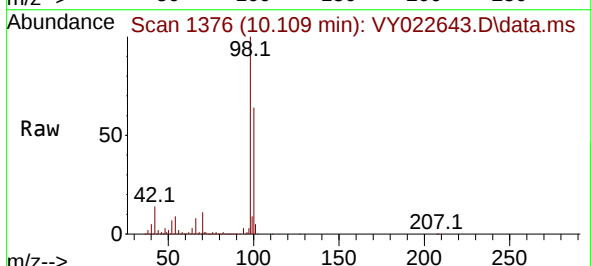
Acq: 10 Jun 2025 12:22

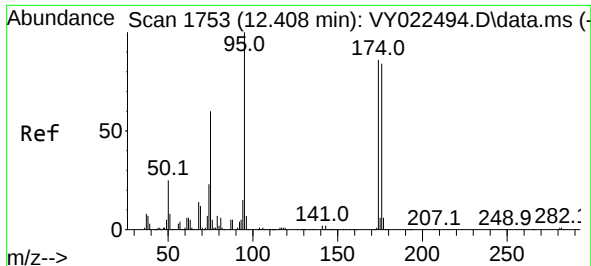
Tgt Ion: 98 Resp: 578672

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0

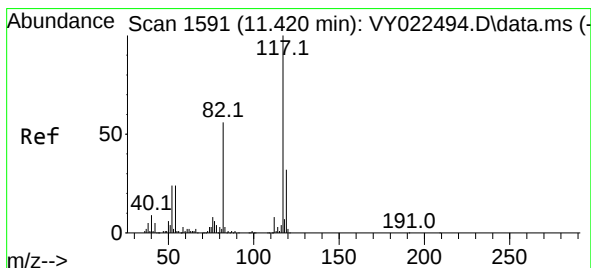
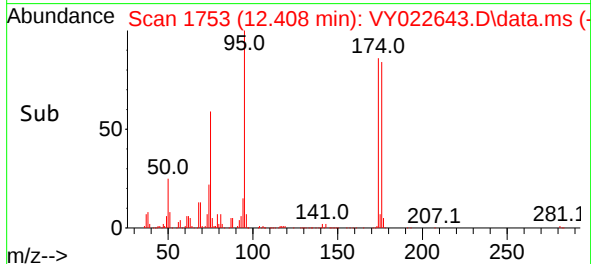
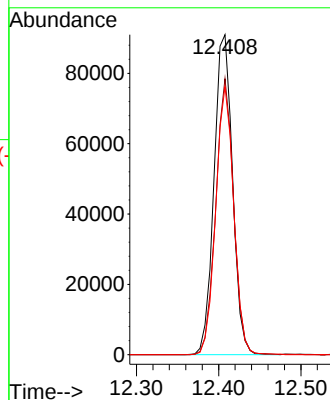
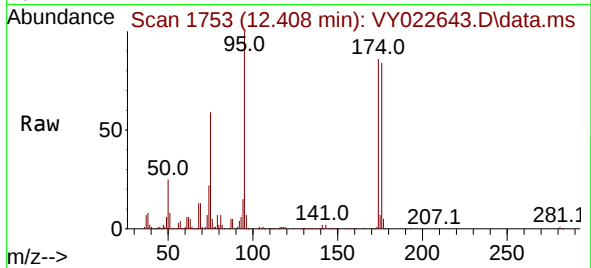




#62
4-Bromofluorobenzene
Concen: 41.324 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022643.D
Acq: 10 Jun 2025 12:22

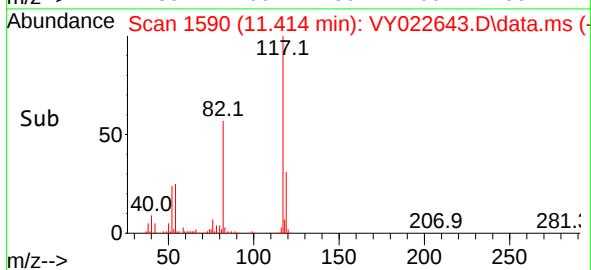
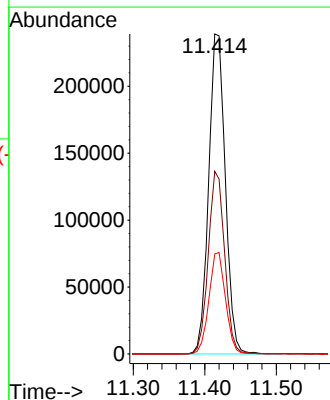
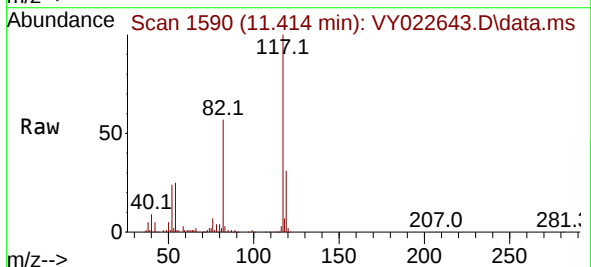
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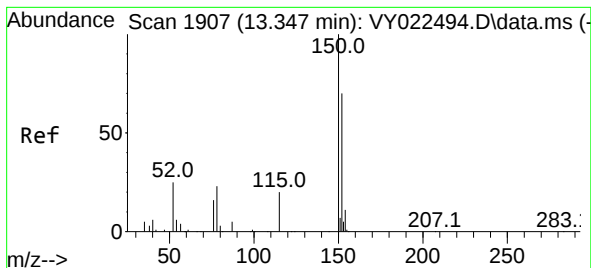
Tgt Ion: 95 Resp: 142297
Ion Ratio Lower Upper
95 100
174 83.0 0.0 170.0
176 81.4 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022643.D
Acq: 10 Jun 2025 12:22

Tgt Ion: 117 Resp: 386407
Ion Ratio Lower Upper
117 100
82 57.0 44.6 66.8
119 31.3 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: VY022643.D

Acq: 10 Jun 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-13-MHP-VOC

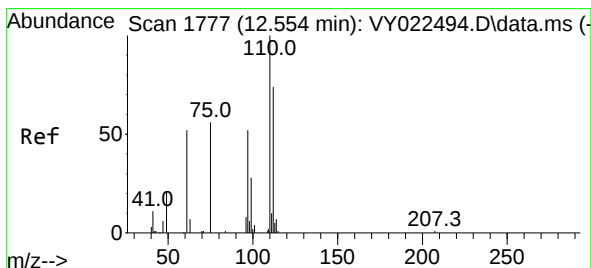
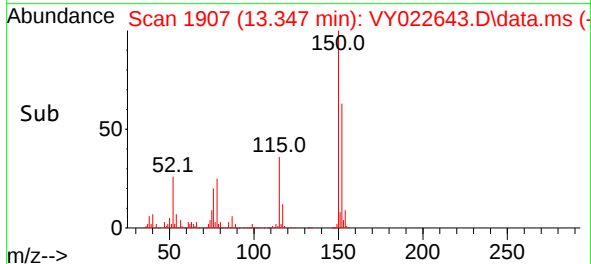
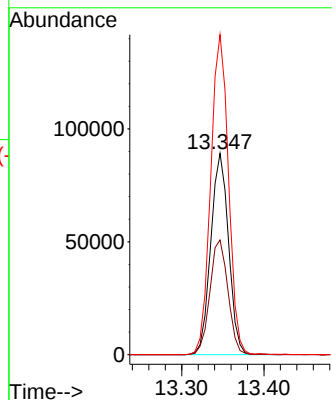
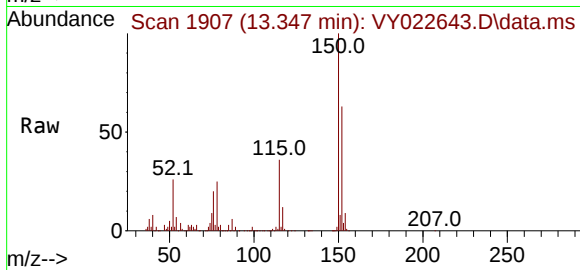
Tgt Ion:152 Resp: 134064

Ion Ratio Lower Upper

152 100

115 58.0 28.9 86.7

150 158.8 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 54.937 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022643.D

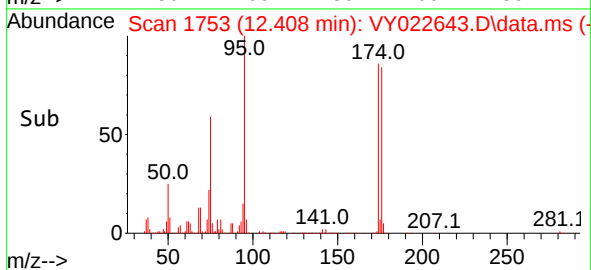
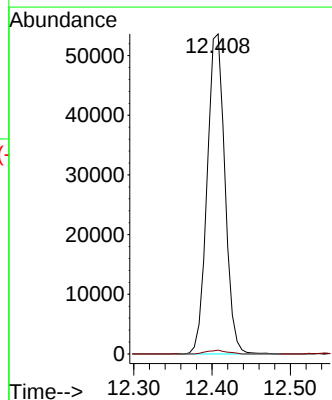
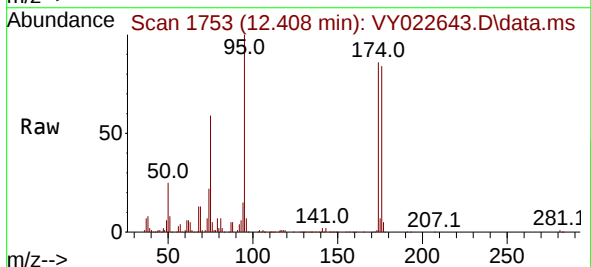
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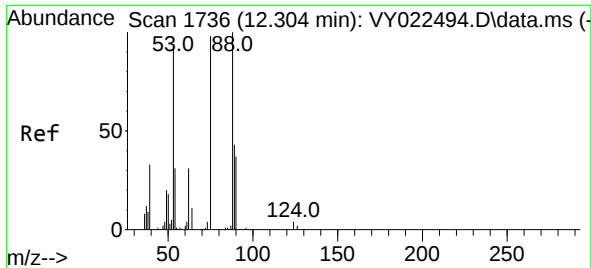
Tgt Ion: 75 Resp: 84259

Ion Ratio Lower Upper

75 100

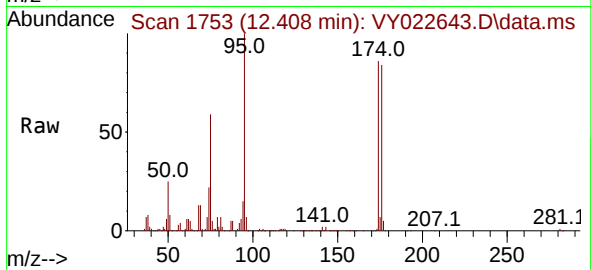
77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 132.669 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022643.D
Acq: 10 Jun 2025 12:22

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

