

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022321.D
 Acq On : 19 May 2025 16:09
 Operator : SY/MD
 Sample : Q2071-03
 Misc : 3.67g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-7-VOC

Quant Time: May 20 01:15:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

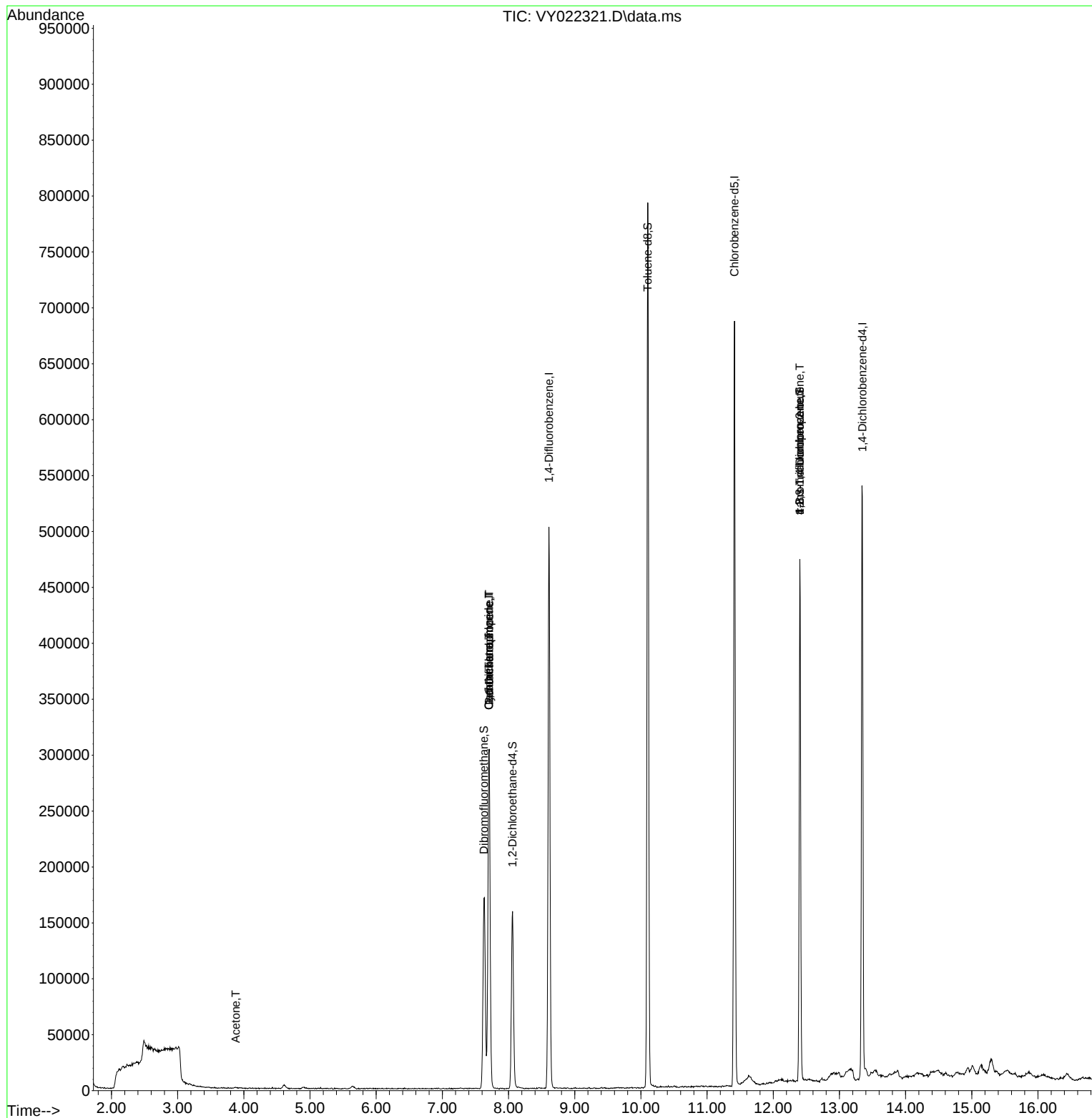
Internal Standards						
1) Pentafluorobenzene	7.707	168	231215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	411589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	331710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117217	46.387	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.780%
35) Dibromofluoromethane	7.628	113	120131	48.901	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.800%
50) Toluene-d8	10.103	98	495010	49.200	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.400%
62) 4-Bromofluorobenzene	12.401	95	127573	40.003	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.000%
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	2285	4.822	ug/l #	83
31) Cyclohexane	7.701	56	6381	1.248	ug/l #	12
36) 1,1-Dichloropropene	7.707	75	19275	4.764	ug/l #	52
38) Carbon Tetrachloride	7.701	117	23363	5.578	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	74580	58.607	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	74580	118.723	ug/l #	12

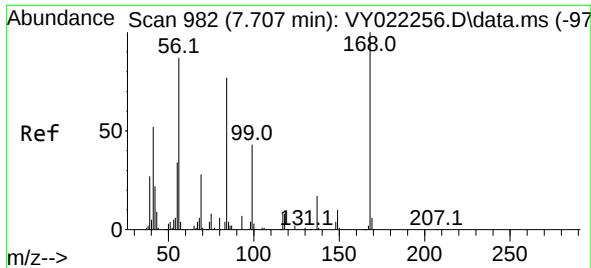
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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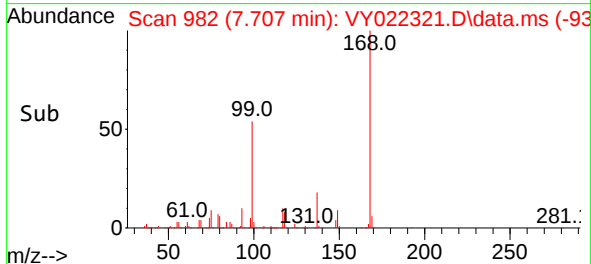
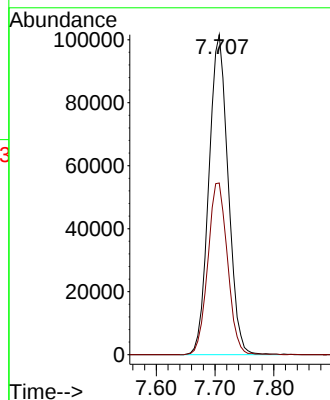
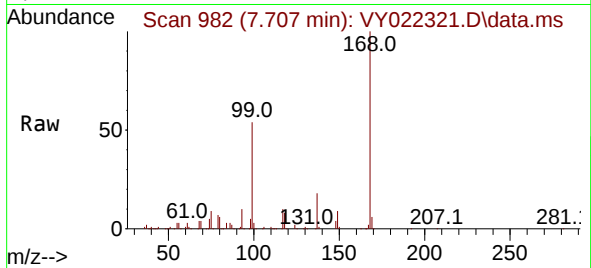




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022321.D
Acq: 19 May 2025 16:09

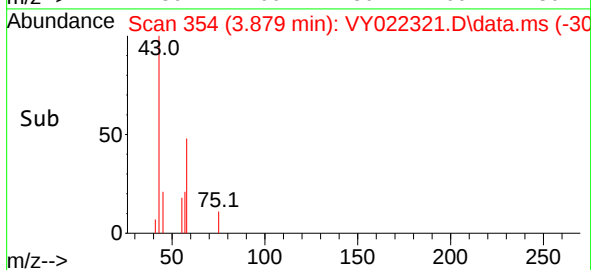
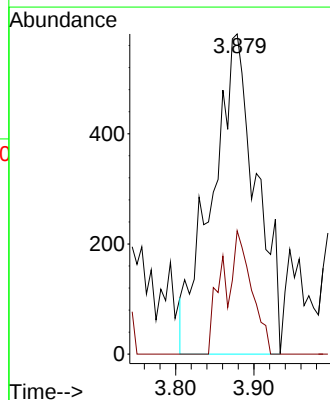
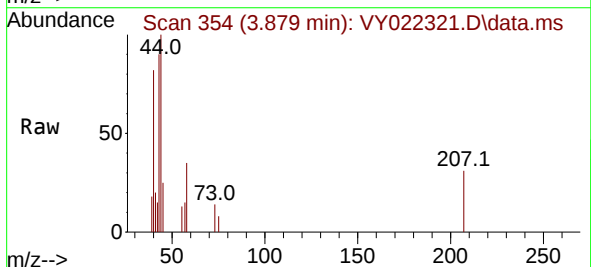
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-7-VOC

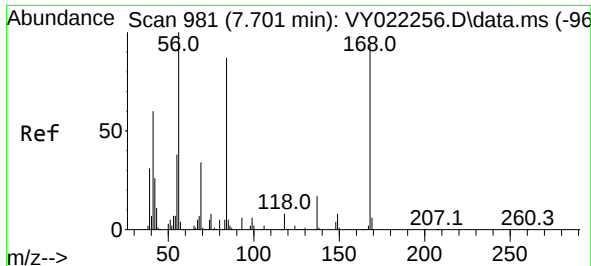
Tgt Ion:168 Resp: 231215
Ion Ratio Lower Upper
168 100
99 53.6 44.2 66.4



#16
Acetone
Concen: 4.822 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022321.D
Acq: 19 May 2025 16:09

Tgt Ion: 43 Resp: 2285
Ion Ratio Lower Upper
43 100
58 38.6 23.6 35.4#

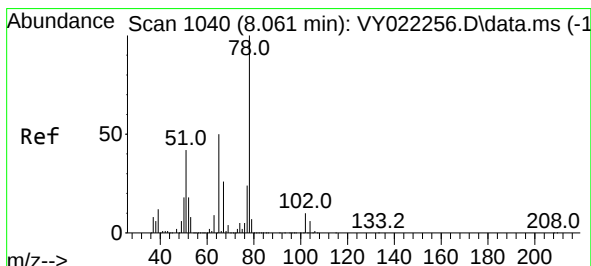
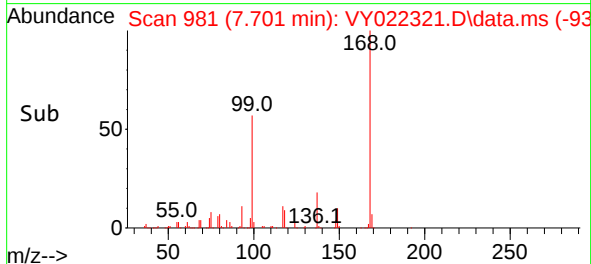
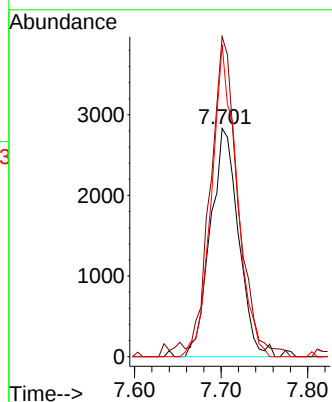
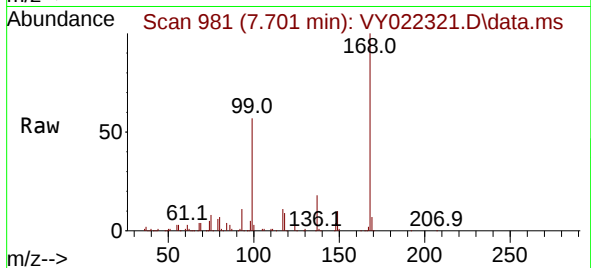




#31
Cyclohexane
Concen: 1.248 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022321.D
Acq: 19 May 2025 16:09

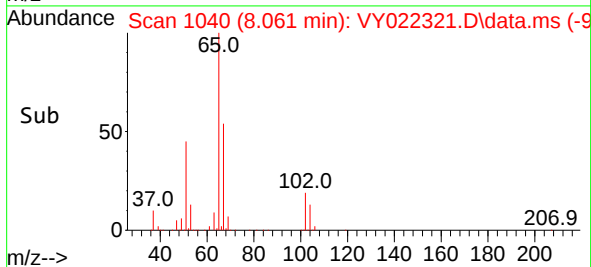
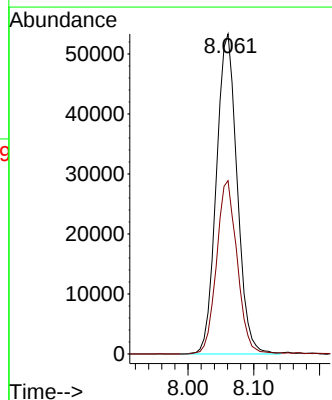
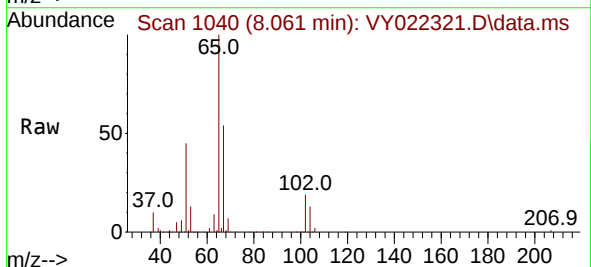
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-7-VOC

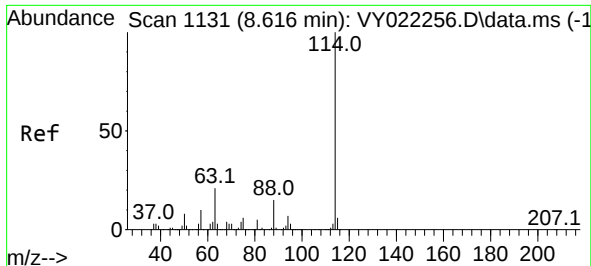
Tgt Ion: 56 Resp: 6381
Ion Ratio Lower Upper
56 100
69 136.9 27.4 41.2#
84 136.8 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 46.387 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022321.D
Acq: 19 May 2025 16:09

Tgt Ion: 65 Resp: 117217
Ion Ratio Lower Upper
65 100
67 53.7 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022321.D

Acq: 19 May 2025 16:09

Instrument :

MSVOA_Y

ClientSampleId :

L1-WC-7-VOC

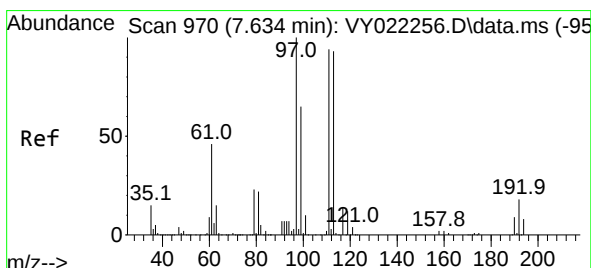
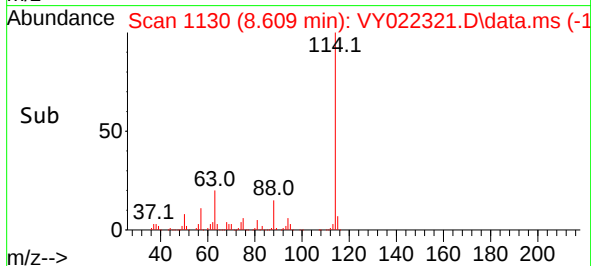
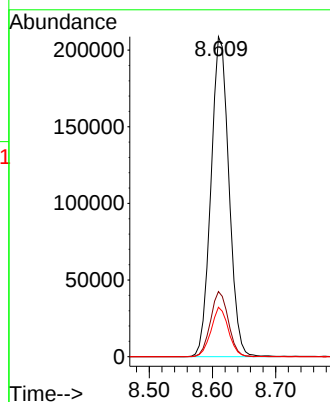
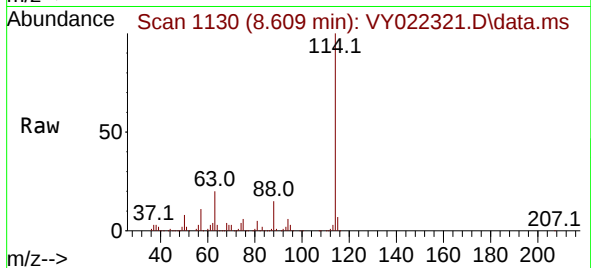
Tgt Ion:114 Resp: 411589

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.0

88 15.5 0.0 29.4



#35

Dibromofluoromethane

Concen: 48.901 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY022321.D

Acq: 19 May 2025 16:09

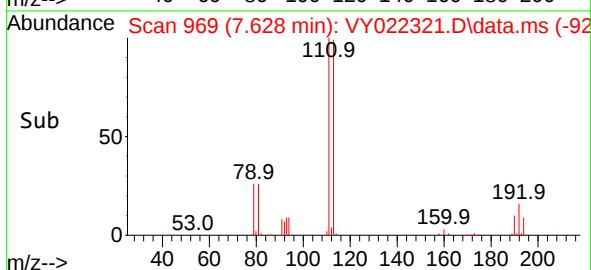
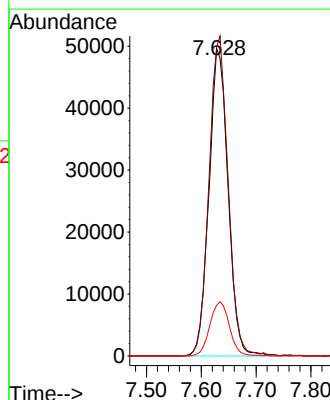
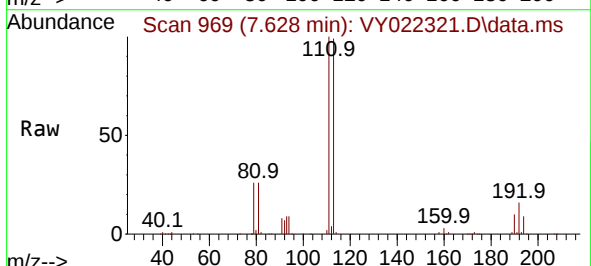
Tgt Ion:113 Resp: 120131

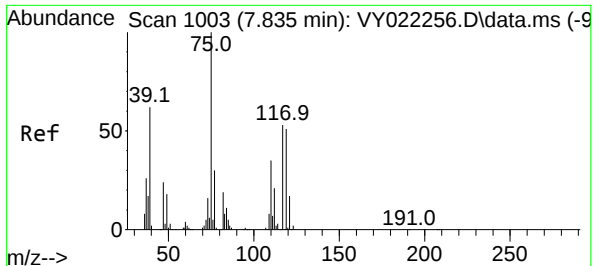
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 18.1 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.764 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY022321.D

Acq: 19 May 2025 16:09

Instrument :

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ClientSampleId :

L1-WC-7-VOC

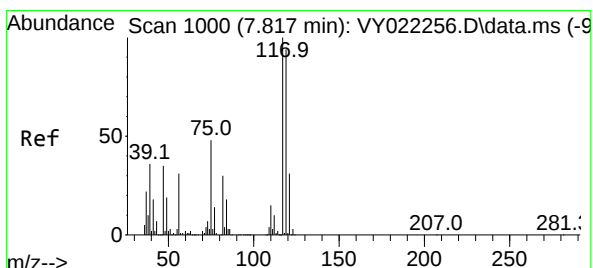
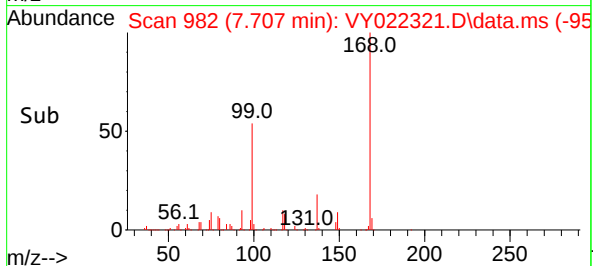
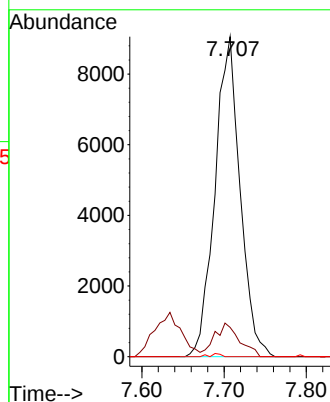
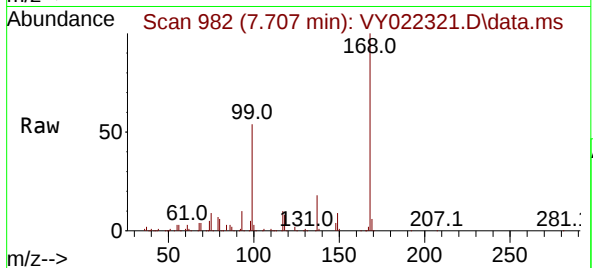
Tgt Ion: 75 Resp: 19275

Ion Ratio Lower Upper

75 100

110 10.4 16.6 49.8#

77 0.4 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.578 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY022321.D

Acq: 19 May 2025 16:09

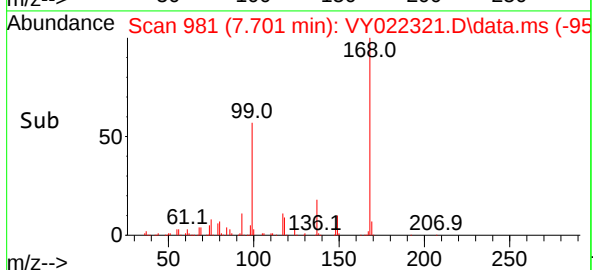
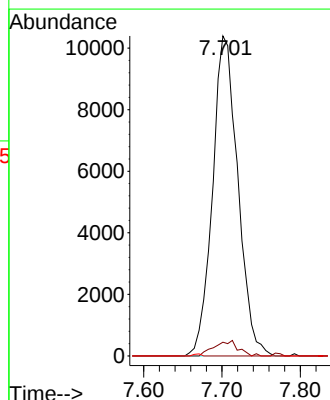
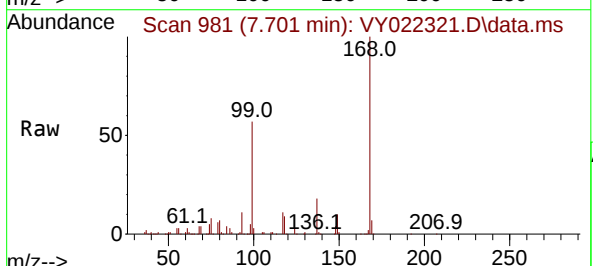
Tgt Ion: 117 Resp: 23363

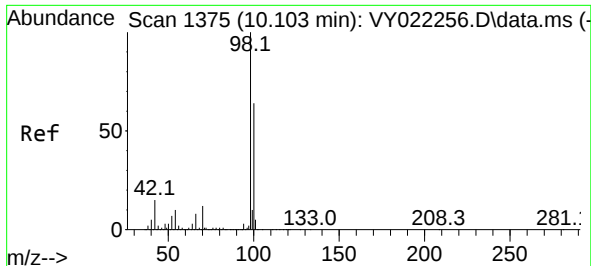
Ion Ratio Lower Upper

117 100

119 4.3 75.3 112.9#

121 0.0 24.7 37.1#

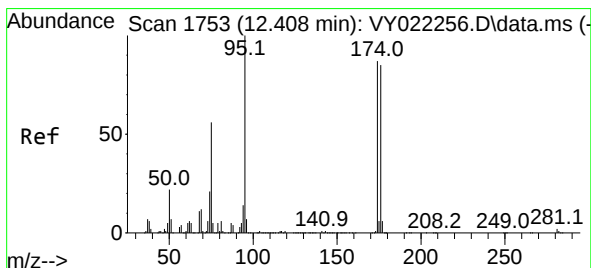
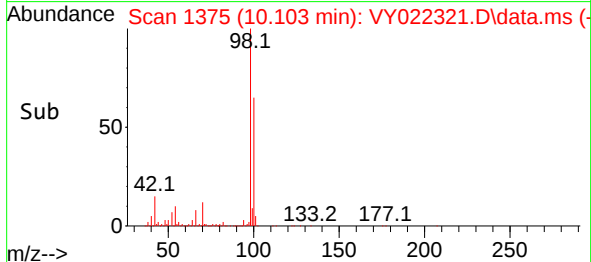
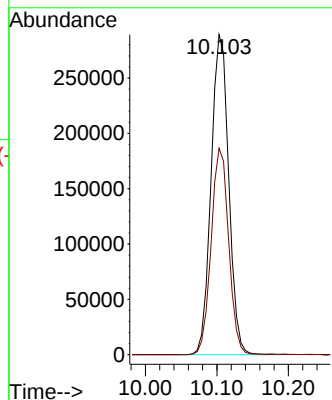
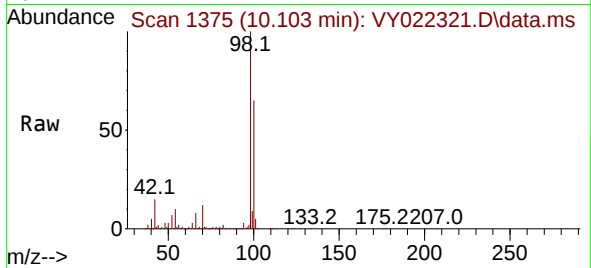




#50
Toluene-d8
Concen: 49.200 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022321.D
Acq: 19 May 2025 16:09

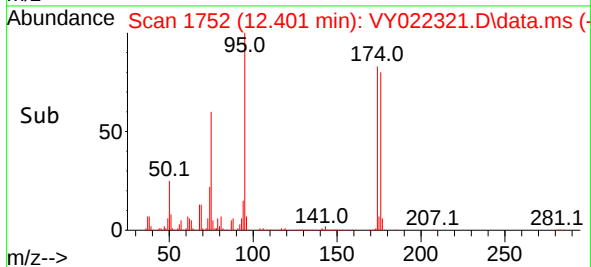
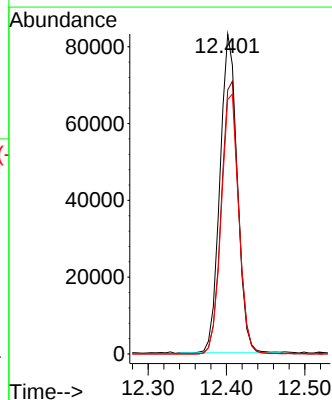
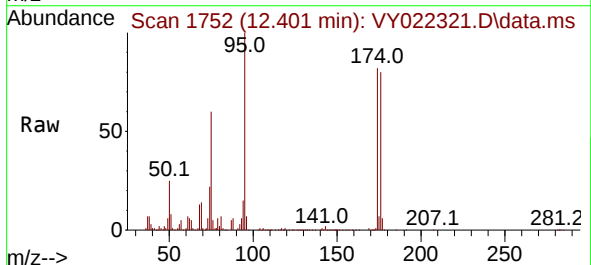
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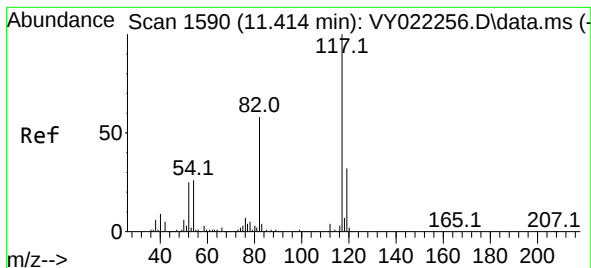
Tgt Ion: 98 Resp: 495010
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 40.003 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022321.D
Acq: 19 May 2025 16:09

Tgt Ion: 95 Resp: 127573
Ion Ratio Lower Upper
95 100
174 85.9 0.0 166.8
176 82.6 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.000 min

Lab File: VY022321.D

Acq: 19 May 2025 16:09

Instrument :

MSVOA_Y

ClientSampleId :

L1-WC-7-VOC

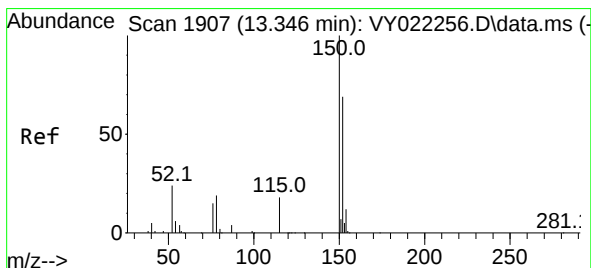
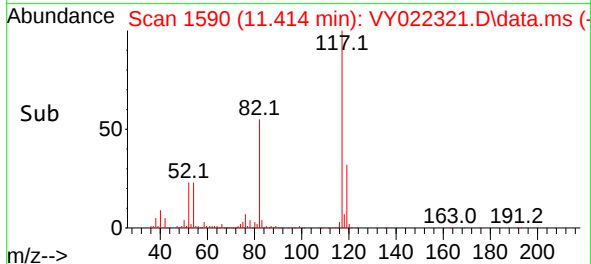
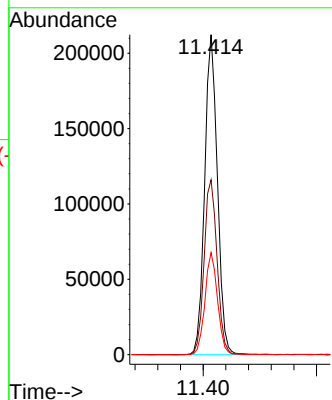
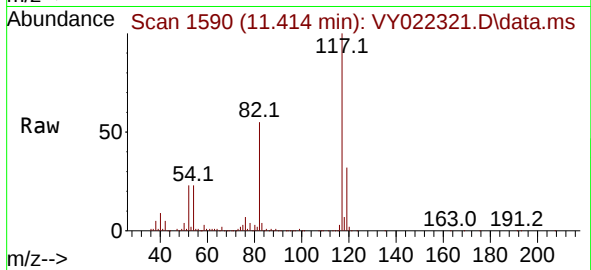
Tgt Ion:117 Resp: 331710

Ion Ratio Lower Upper

117 100

82 54.6 46.6 70.0

119 31.9 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022321.D

Acq: 19 May 2025 16:09

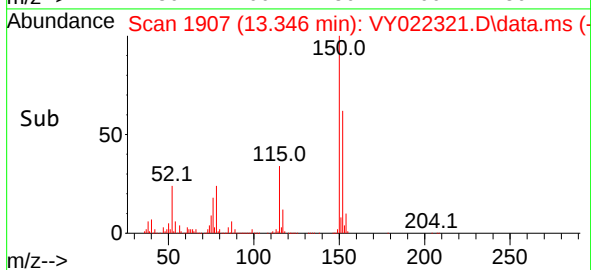
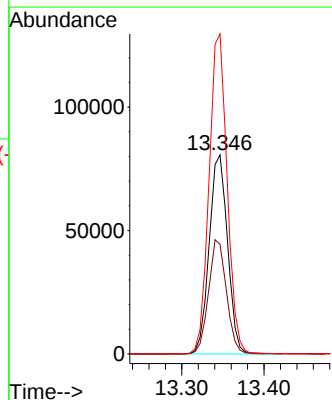
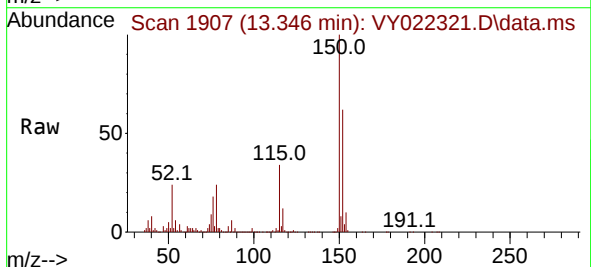
Tgt Ion:152 Resp: 125608

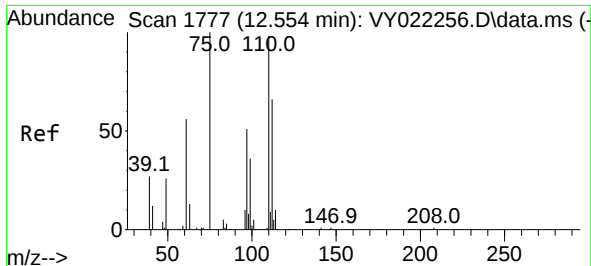
Ion Ratio Lower Upper

152 100

115 56.0 29.4 88.2

150 158.4 0.0 353.8

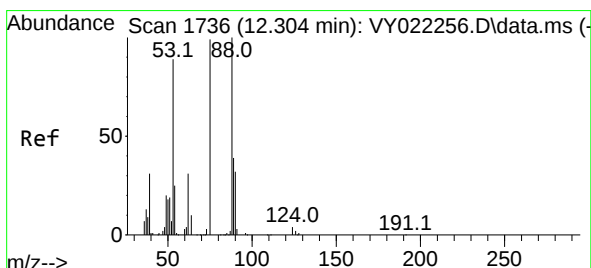
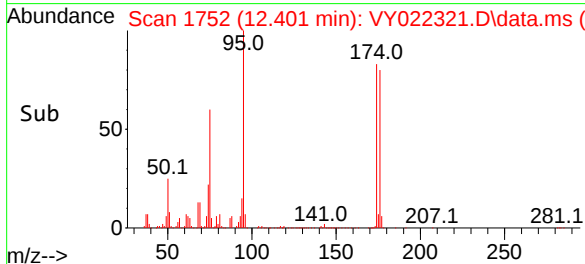
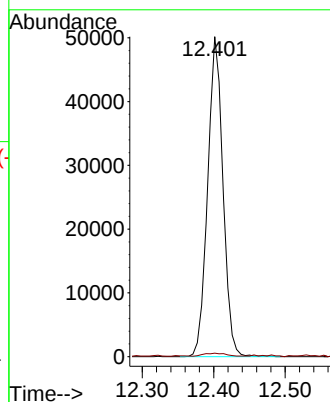
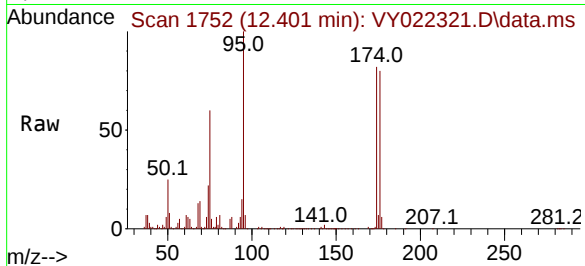




#76
1,2,3-Trichloropropane
Concen: 58.607 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022321.D
Acq: 19 May 2025 16:09

Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-7-VOC

Tgt Ion: 75 Resp: 74580
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.723 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022321.D
Acq: 19 May 2025 16:09

Tgt Ion: 75 Resp: 74580
Ion Ratio Lower Upper
75 100
53 0.3 75.8 113.8#
89 0.0 36.2 54.2#

