

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022318.D
 Acq On : 19 May 2025 14:59
 Operator : SY/MD
 Sample : Q2062-15
 Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-4-VOC

Quant Time: May 20 01:14:44 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)

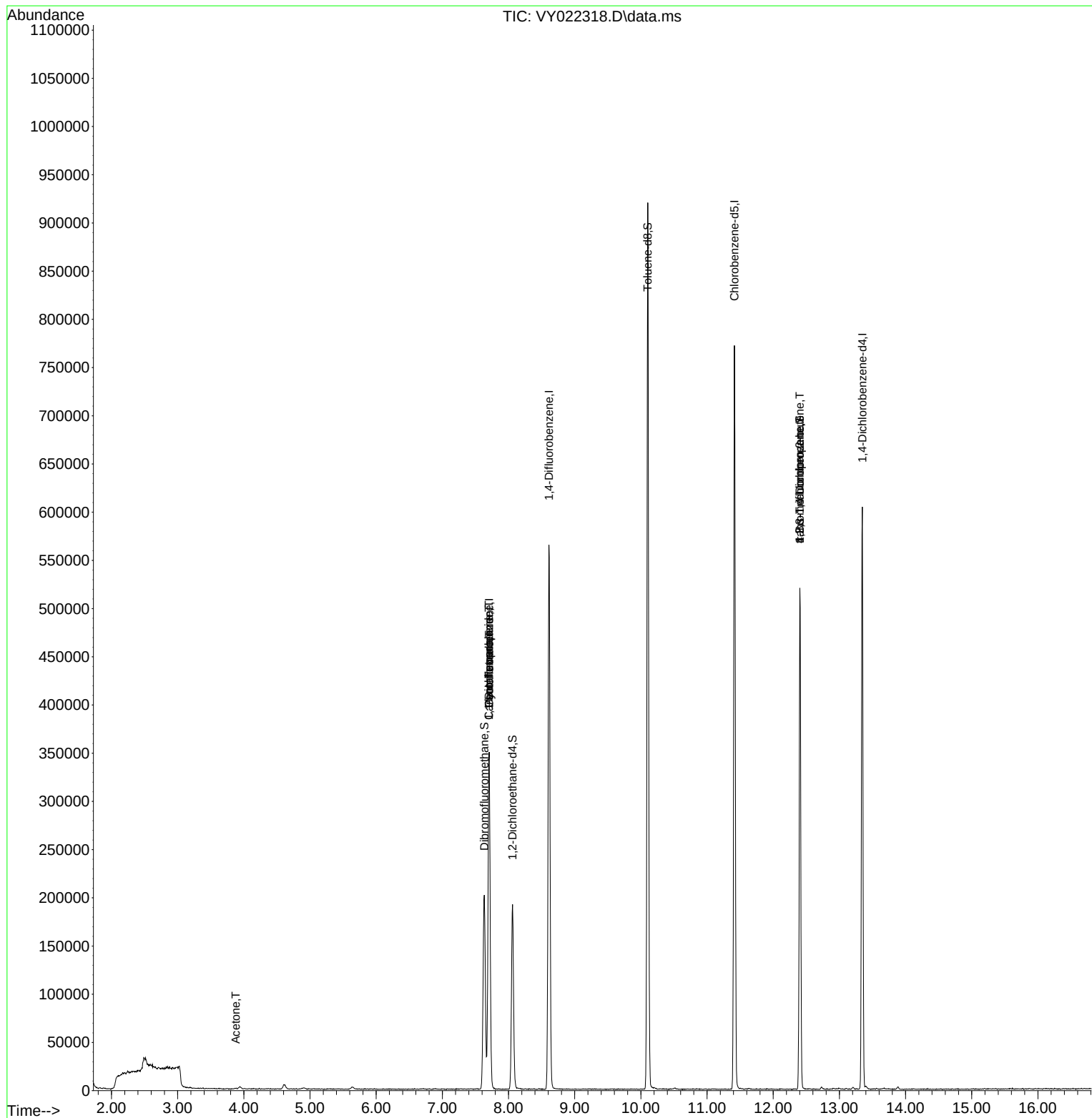
Internal Standards						
1) Pentafluorobenzene	7.707	168	260787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	470474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	377616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	140836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142483	49.991	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.980%
35) Dibromofluoromethane	7.634	113	139228	49.581	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.160%
50) Toluene-d8	10.103	98	565349	49.158	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.320%
62) 4-Bromofluorobenzene	12.402	95	146507	40.191	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.380%
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	1039	1.944	ug/l #	45
31) Cyclohexane	7.707	56	7420	1.287	ug/l #	42
36) 1,1-Dichloropropene	7.701	75	22557	4.877	ug/l #	51
38) Carbon Tetrachloride	7.701	117	26934	5.626	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	84399	59.152	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	84399	119.827	ug/l #	12

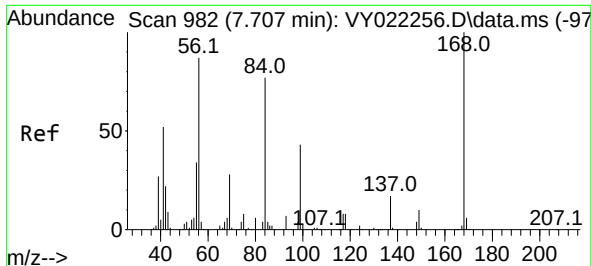
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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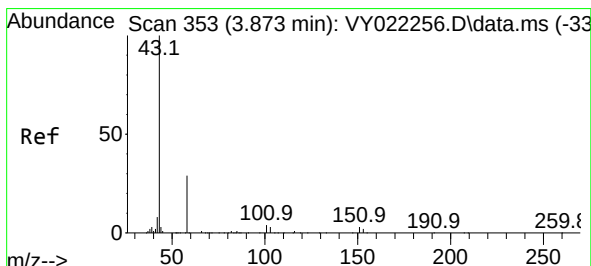
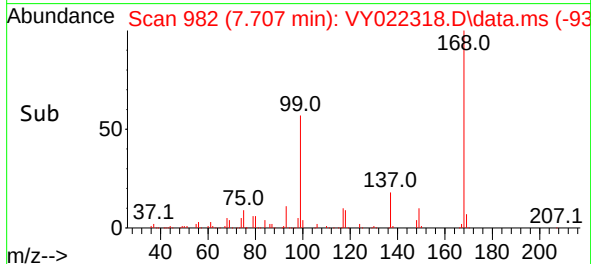
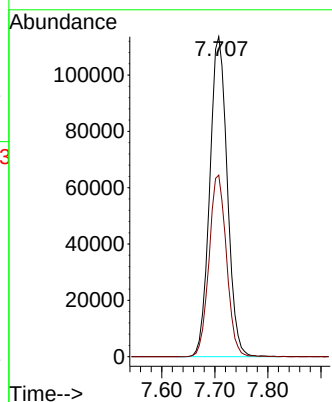
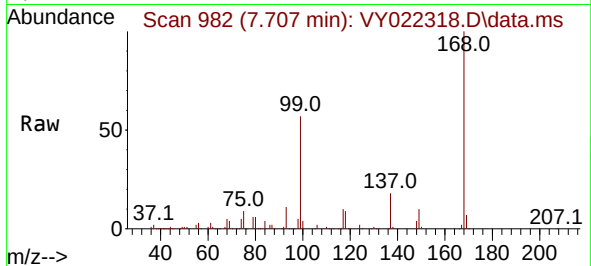




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022318.D
Acq: 19 May 2025 14:59

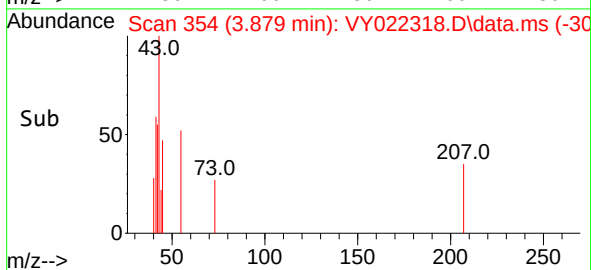
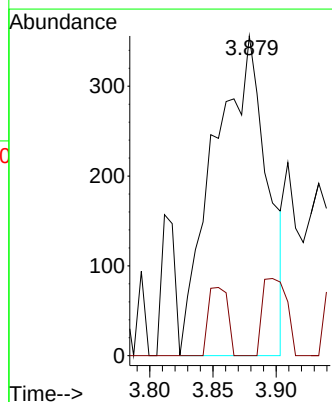
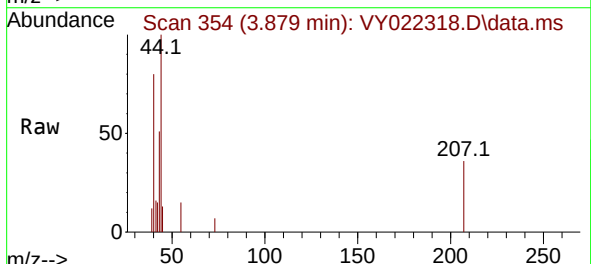
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-4-VOC

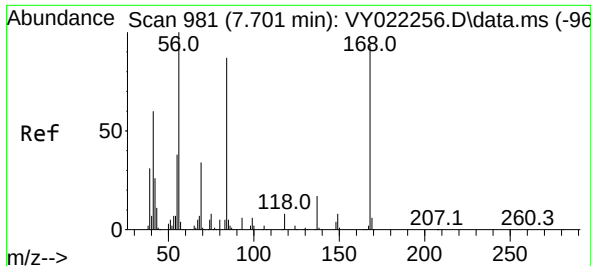
Tgt Ion:168 Resp: 260787
Ion Ratio Lower Upper
168 100
99 56.8 44.2 66.4



#16
Acetone
Concen: 1.944 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022318.D
Acq: 19 May 2025 14:59

Tgt Ion: 43 Resp: 1039
Ion Ratio Lower Upper
43 100
58 0.0 23.6 35.4#

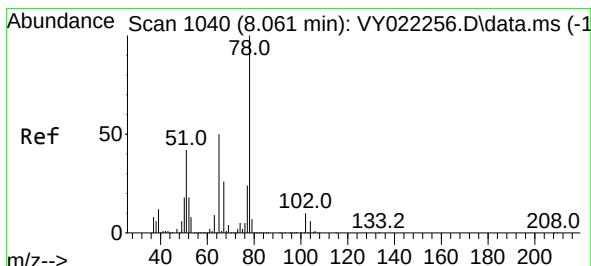
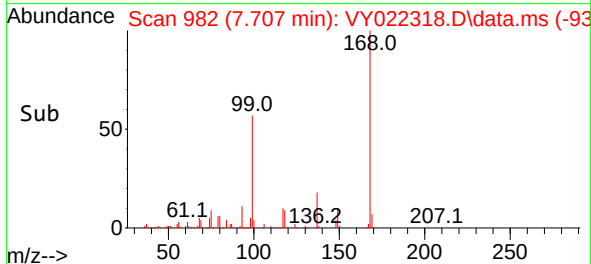
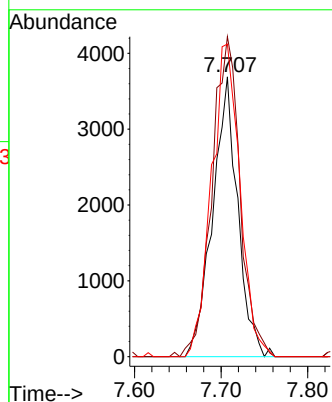
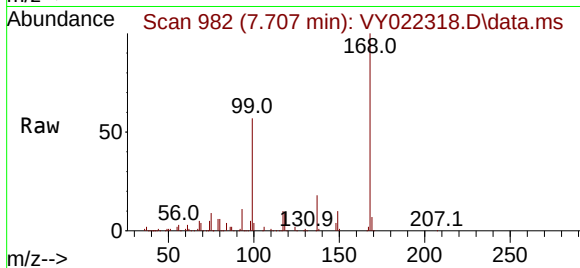




#31
Cyclohexane
Concen: 1.287 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022318.D
Acq: 19 May 2025 14:59

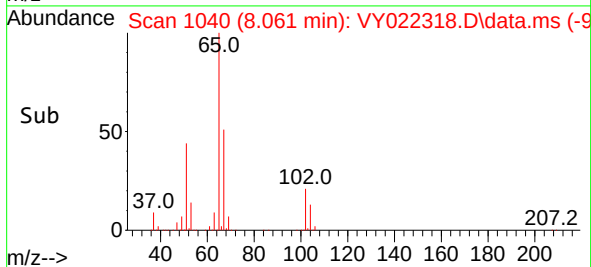
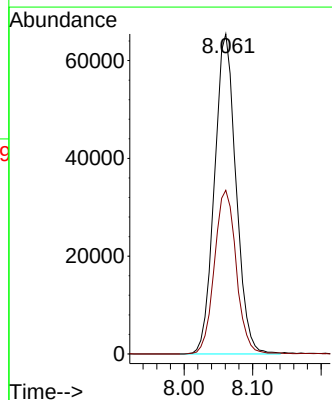
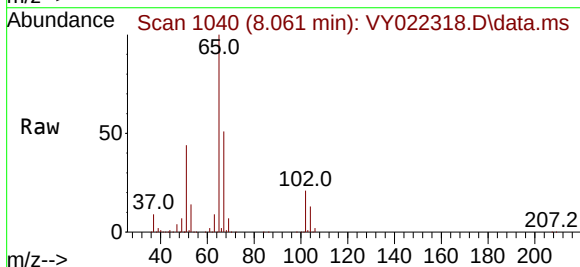
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-4-VOC

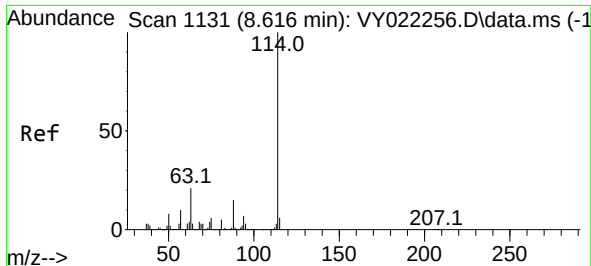
Tgt Ion: 56 Resp: 7420
Ion Ratio Lower Upper
56 100
69 114.4 27.4 41.2#
84 111.7 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 49.991 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022318.D
Acq: 19 May 2025 14:59

Tgt Ion: 65 Resp: 142483
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.6

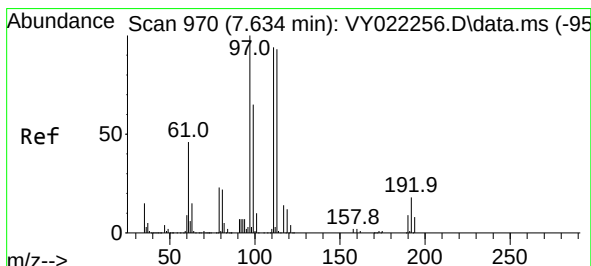
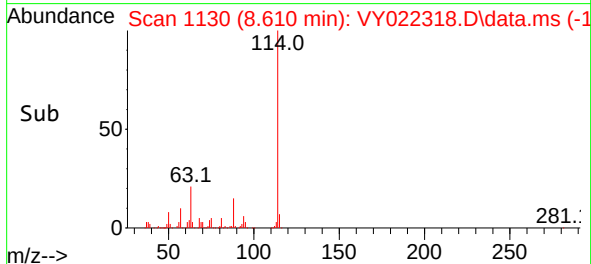
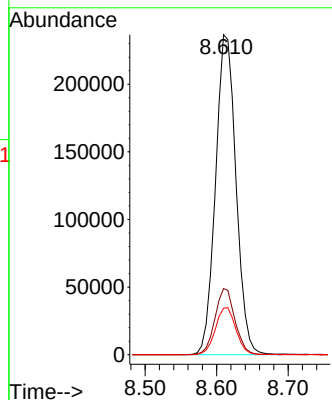
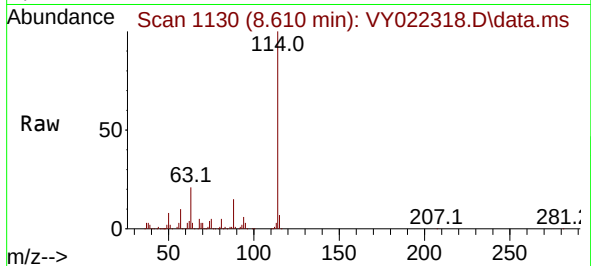




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022318.D
Acq: 19 May 2025 14:59

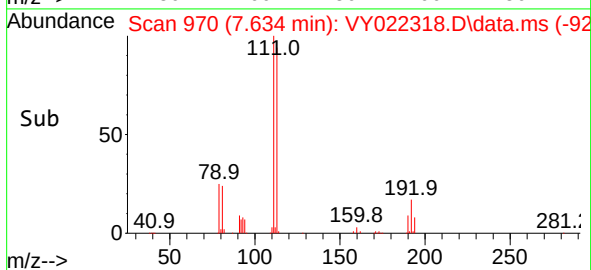
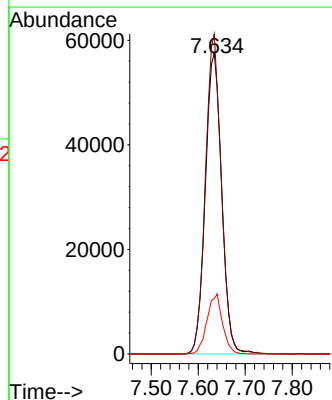
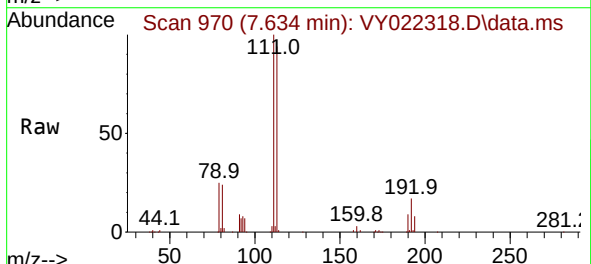
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-4-VOC

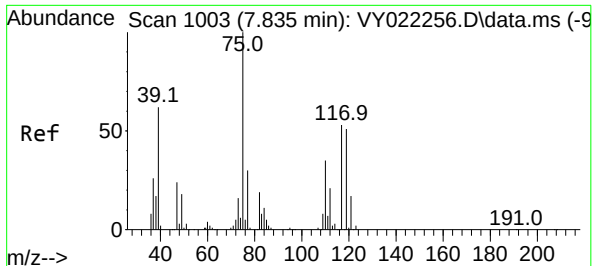
Tgt Ion:114 Resp: 470474
Ion Ratio Lower Upper
114 100
63 20.6 0.0 41.0
88 14.5 0.0 29.4



#35
Dibromofluoromethane
Concen: 49.581 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022318.D
Acq: 19 May 2025 14:59

Tgt Ion:113 Resp: 139228
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 18.9 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.877 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY022318.D

Acq: 19 May 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

L1-WC-4-VOC

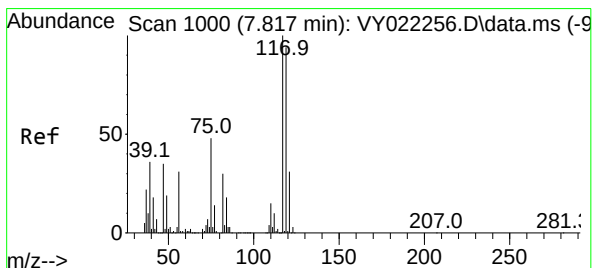
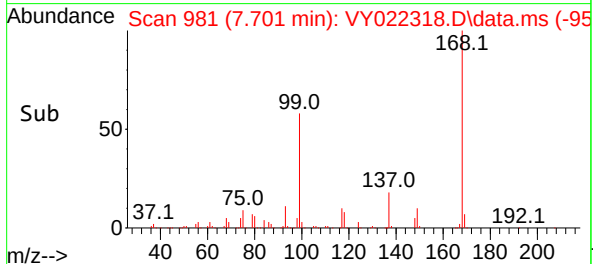
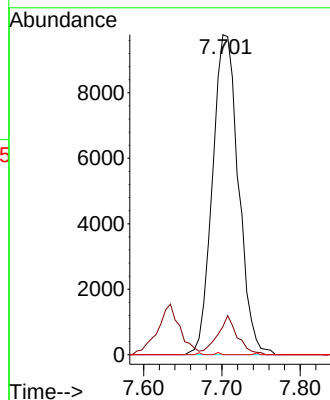
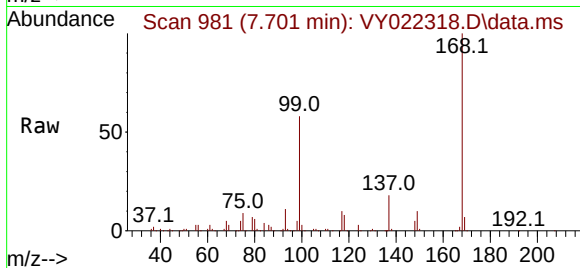
Tgt Ion: 75 Resp: 22557

Ion Ratio Lower Upper

75 100

110 9.4 16.6 49.8#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.626 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY022318.D

Acq: 19 May 2025 14:59

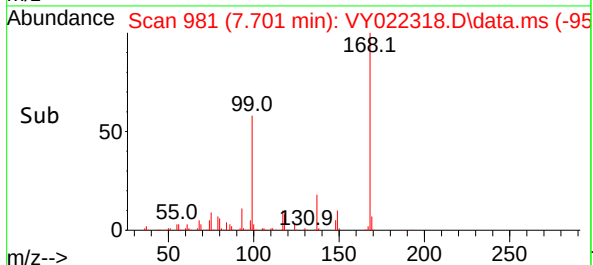
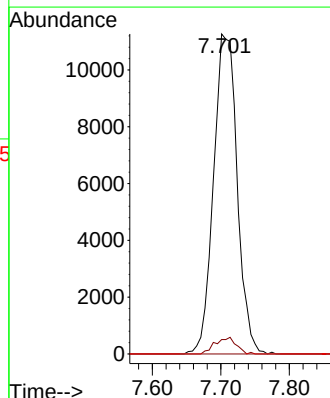
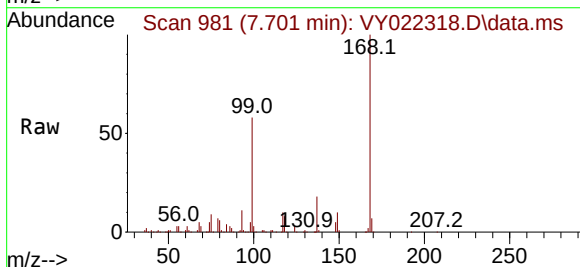
Tgt Ion: 117 Resp: 26934

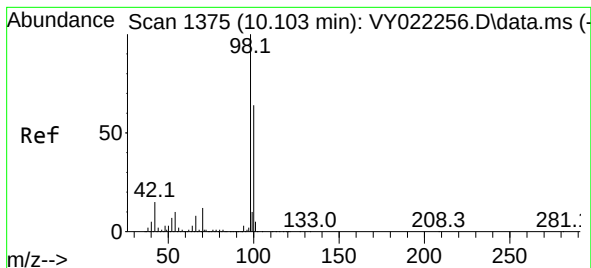
Ion Ratio Lower Upper

117 100

119 4.5 75.3 112.9#

121 0.0 24.7 37.1#

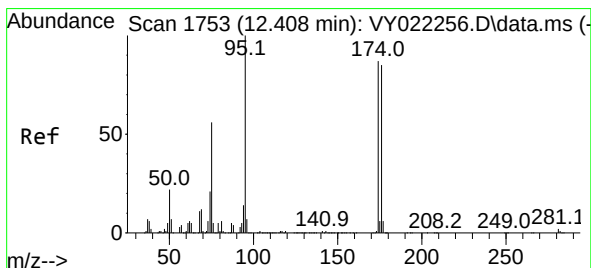
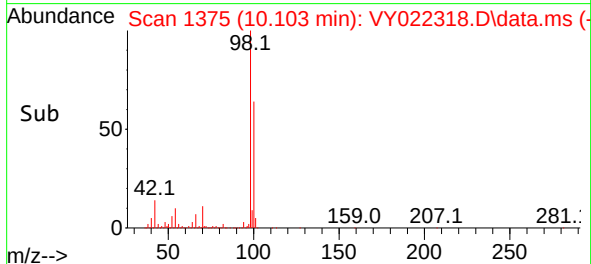
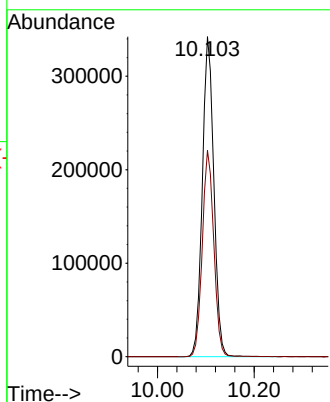
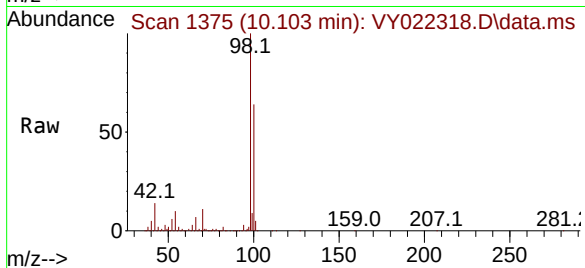




#50
Toluene-d8
Concen: 49.158 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022318.D
Acq: 19 May 2025 14:59

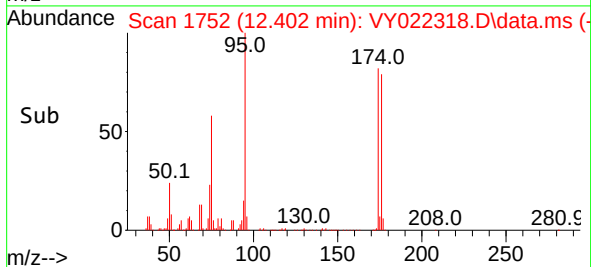
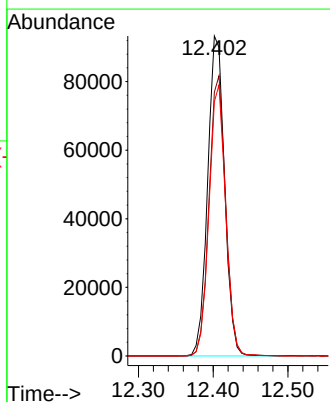
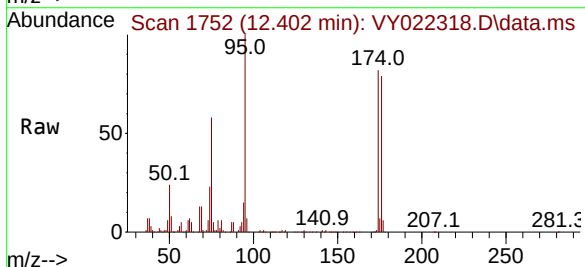
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-4-VOC

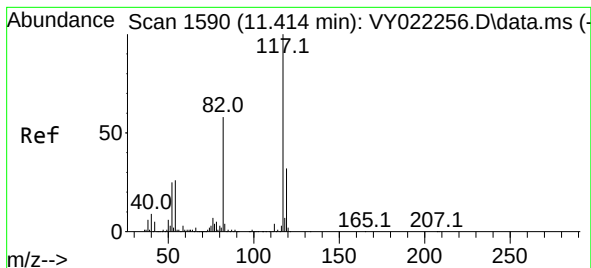
Tgt Ion: 98 Resp: 565349
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 40.191 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022318.D
Acq: 19 May 2025 14:59

Tgt Ion: 95 Resp: 146507
Ion Ratio Lower Upper
95 100
174 86.5 0.0 166.8
176 83.2 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022318.D

Acq: 19 May 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

L1-WC-4-VOC

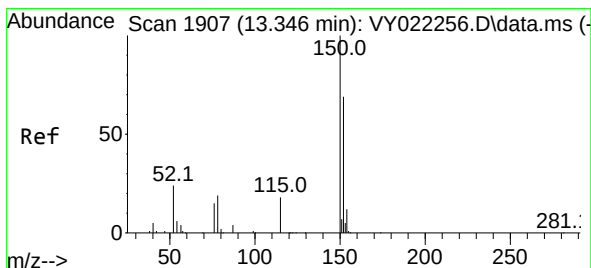
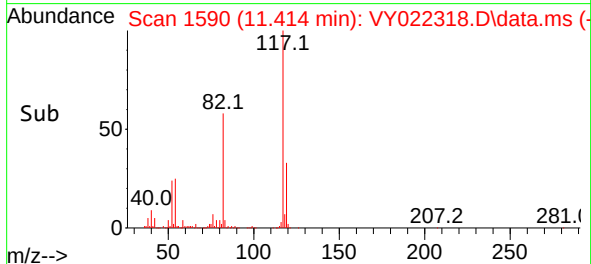
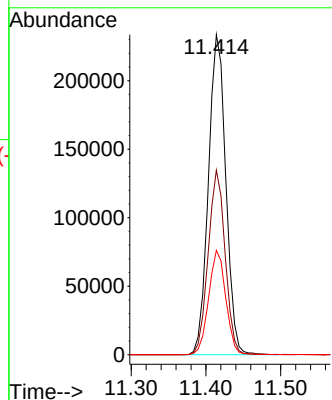
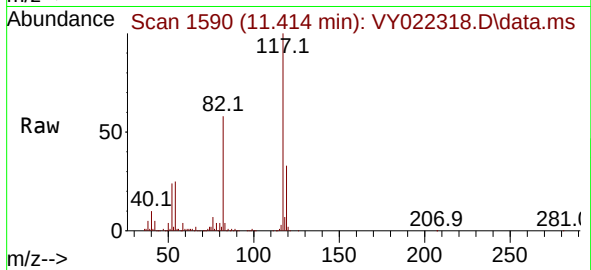
Tgt Ion:117 Resp: 377616

Ion Ratio Lower Upper

117 100

82 57.7 46.6 70.0

119 32.6 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022318.D

Acq: 19 May 2025 14:59

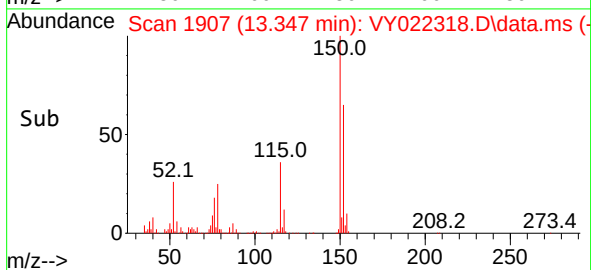
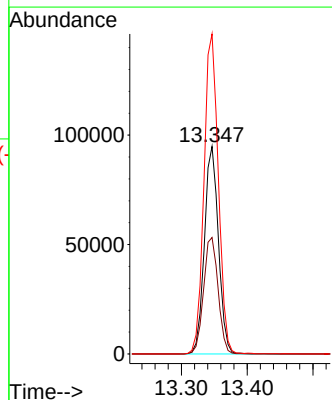
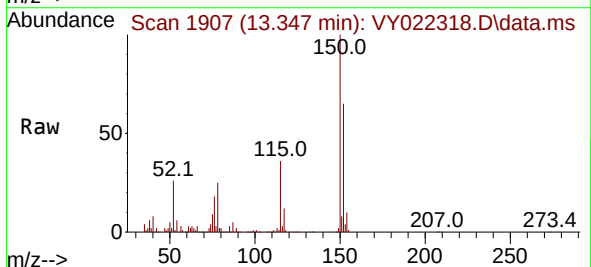
Tgt Ion:152 Resp: 140836

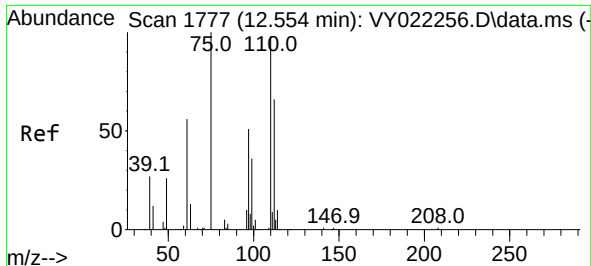
Ion Ratio Lower Upper

152 100

115 58.1 29.4 88.2

150 157.7 0.0 353.8

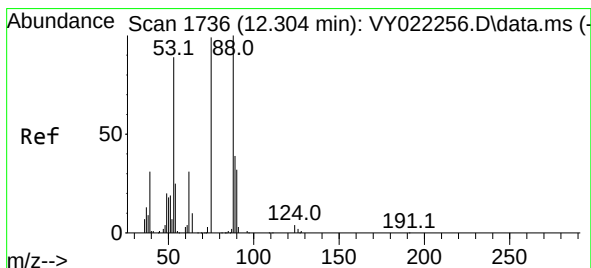
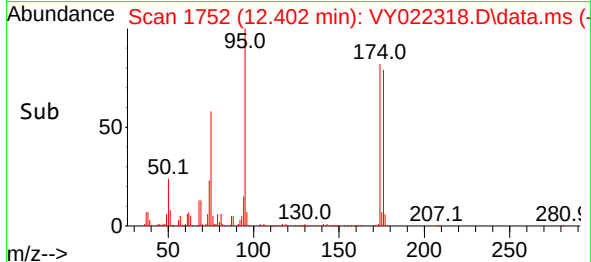
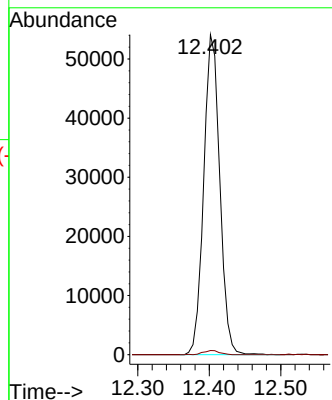
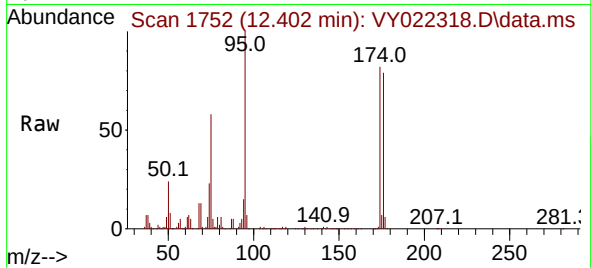




#76
1,2,3-Trichloropropane
Concen: 59.152 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022318.D
Acq: 19 May 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-4-VOC

Tgt Ion: 75 Resp: 84399
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.827 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022318.D
Acq: 19 May 2025 14:59

Tgt Ion: 75 Resp: 84399
Ion Ratio Lower Upper
75 100
53 0.1 75.8 113.8#
89 0.0 36.2 54.2#

