

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
 Data File : VY021071.D
 Acq On : 04 Feb 2025 20:07
 Operator : SY/MD
 Sample : Q1216-13
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 05 00:51:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

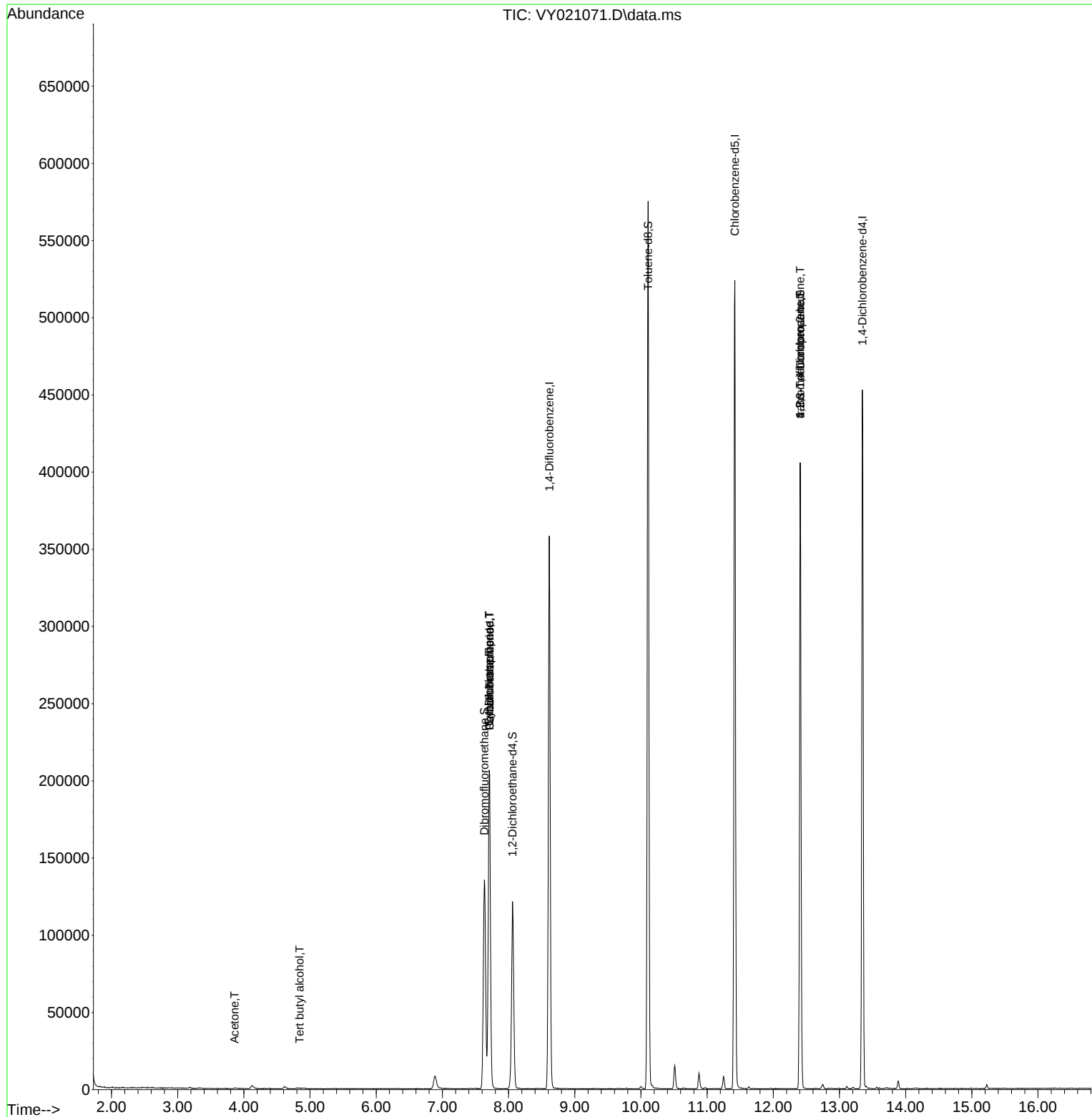
Internal Standards						
1) Pentafluorobenzene	7.713	168	158642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	291874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	271395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	110517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	91463	56.271	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.540%	
35) Dibromofluoromethane	7.634	113	96354	51.512	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.020%	
50) Toluene-d8	10.109	98	358462	50.337	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.680%	
62) 4-Bromofluorobenzene	12.407	95	112284	48.264	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.520%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.841	59	525	4.766	ug/l #	75
16) Acetone	3.860	43	820	3.235	ug/l #	86
31) Cyclohexane	7.707	56	3577	1.290	ug/l #	33
36) 1,1-Dichloropropene	7.707	75	12651	4.566	ug/l #	51
38) Carbon Tetrachloride	7.713	117	15707	4.852	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	62911	62.753	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	62911	128.045	ug/l #	12

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

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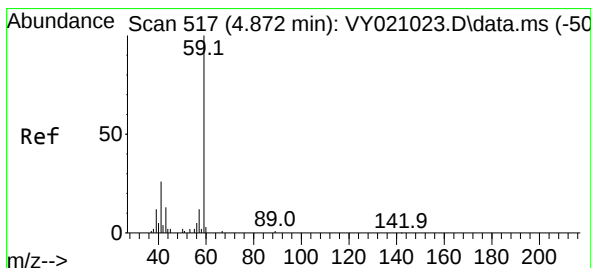
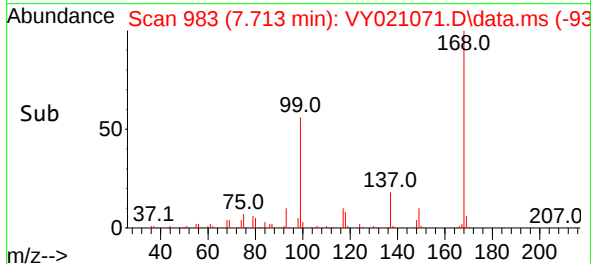
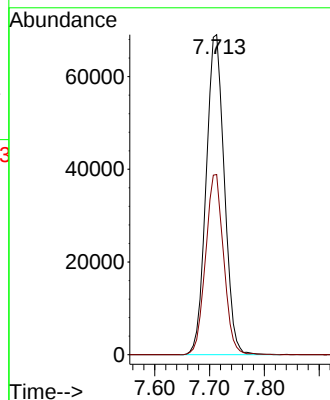
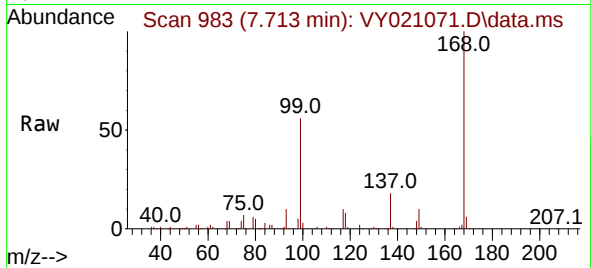




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021071.D
Acq: 04 Feb 2025 20:07

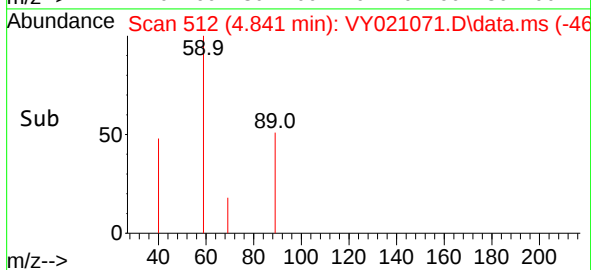
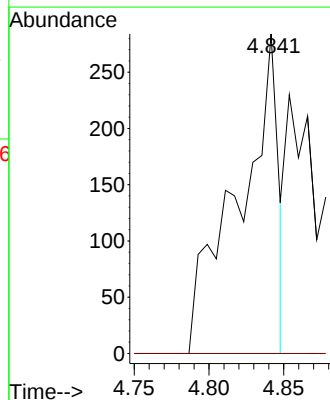
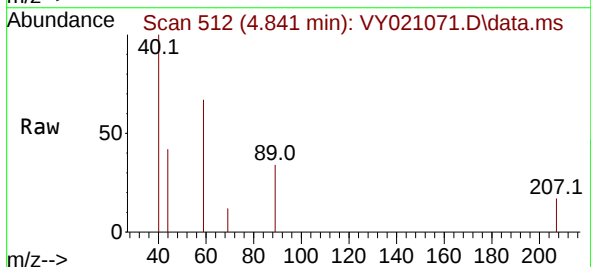
Instrument :
MSVOA_Y
ClientSampleId :

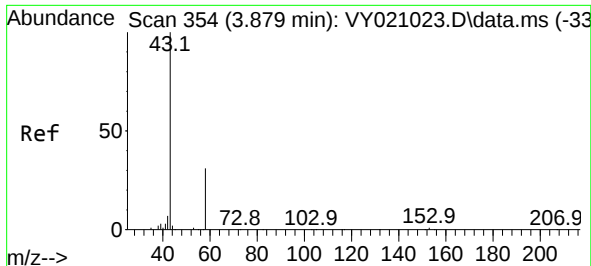
Tgt Ion:168 Resp: 158642
Ion Ratio Lower Upper
168 100
99 56.3 44.2 66.4



#11
Tert butyl alcohol
Concen: 4.766 ug/l
RT: 4.841 min Scan# 512
Delta R.T. -0.031 min
Lab File: VY021071.D
Acq: 04 Feb 2025 20:07

Tgt Ion: 59 Resp: 525
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 3.235 ug/l

RT: 3.860 min Scan# 31

Delta R.T. -0.019 min

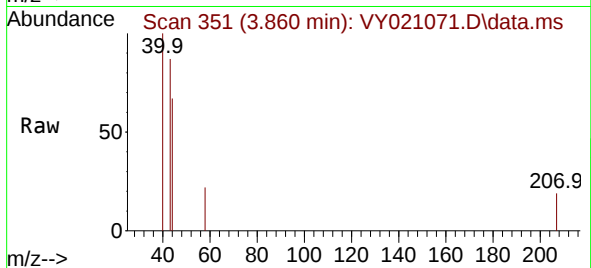
Lab File: VY021071.D

Acq: 04 Feb 2025 20:07

Instrument :

MSVOA_Y

ClientSampleId :

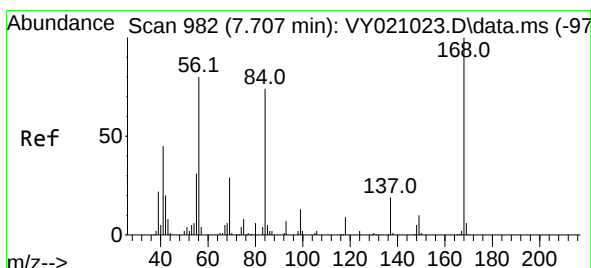
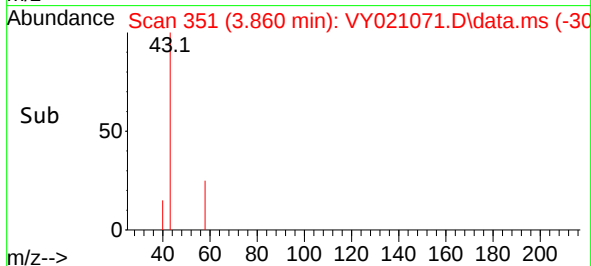
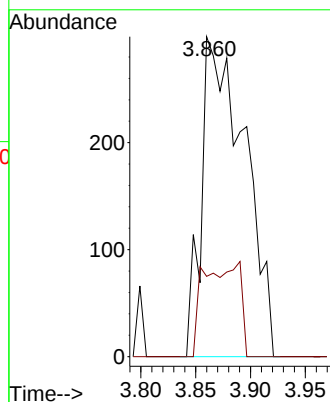


Tgt Ion: 43 Resp: 820

Ion Ratio Lower Upper

43 100

58 25.1 26.6 39.8#



#31

Cyclohexane

Concen: 1.290 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.001 min

Lab File: VY021071.D

Acq: 04 Feb 2025 20:07

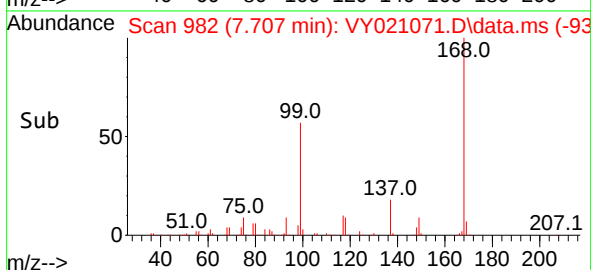
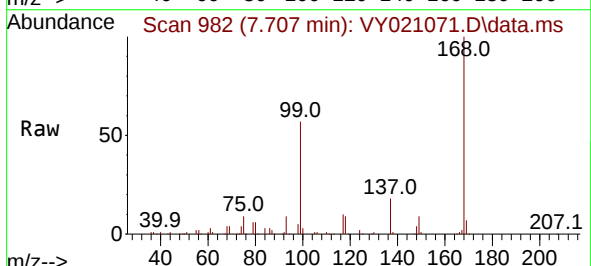
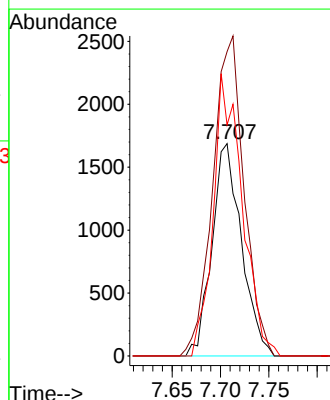
Tgt Ion: 56 Resp: 3577

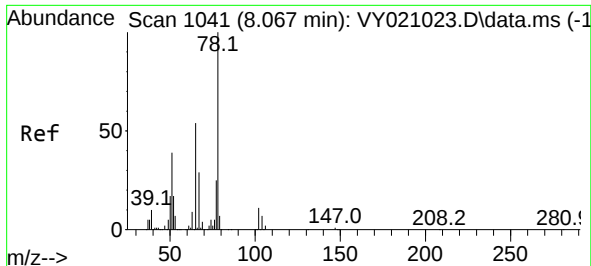
Ion Ratio Lower Upper

56 100

69 143.3 27.0 40.6#

84 108.8 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 56.271 ug/l

RT: 8.060 min Scan# 110

Delta R.T. -0.007 min

Lab File: VY021071.D

Acq: 04 Feb 2025 20:07

Instrument :

MSVOA_Y

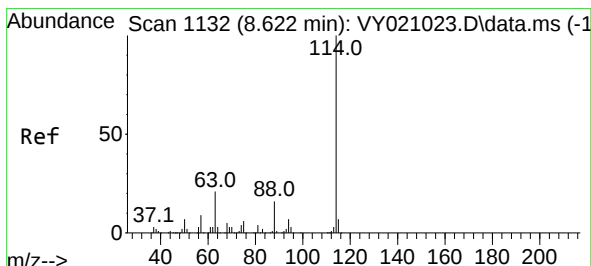
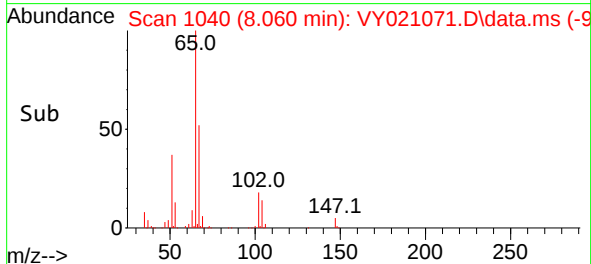
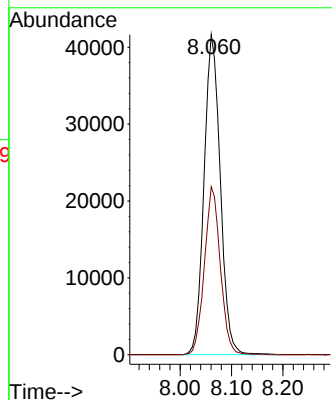
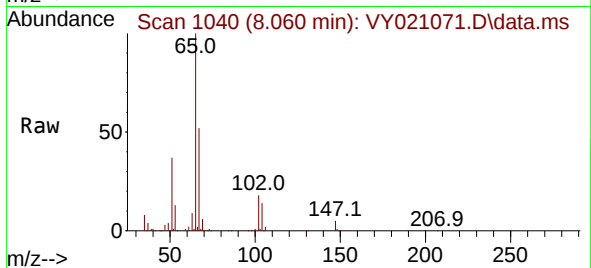
ClientSampleId :

Tgt Ion: 65 Resp: 91463

Ion Ratio Lower Upper

65 100

67 51.4 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.007 min

Lab File: VY021071.D

Acq: 04 Feb 2025 20:07

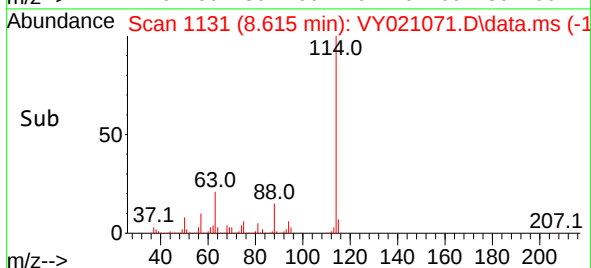
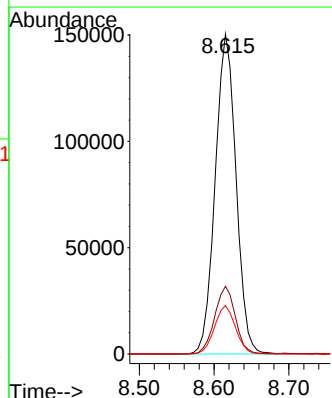
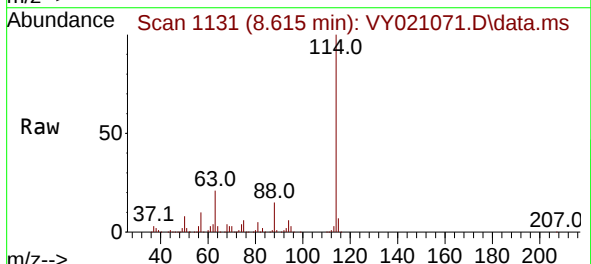
Tgt Ion:114 Resp: 291874

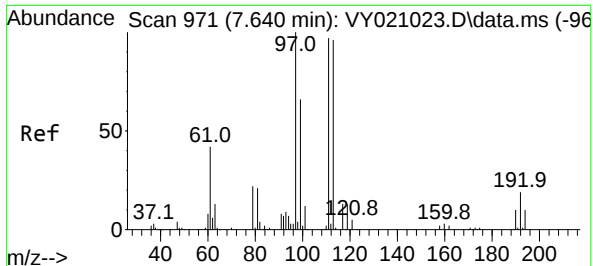
Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.4

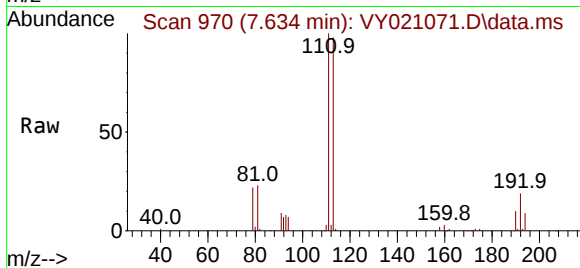
88 15.1 0.0 29.0



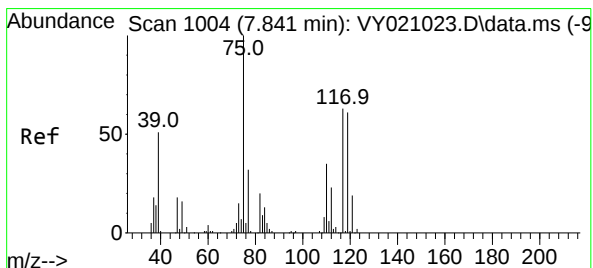
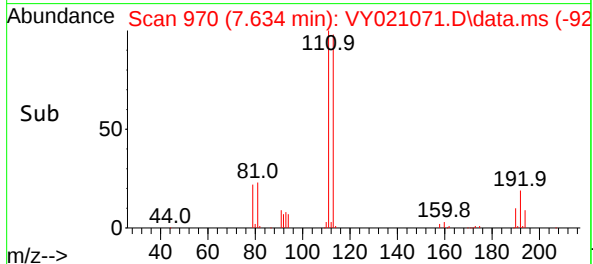
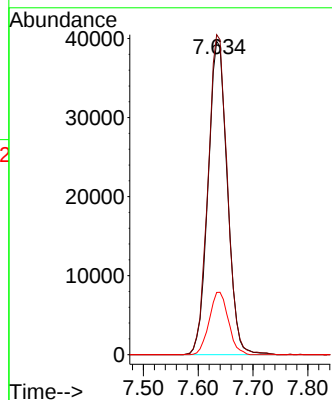


#35
Dibromofluoromethane
Concen: 51.512 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY021071.D
Acq: 04 Feb 2025 20:07

Instrument :
MSVOA_Y
ClientSampleId :

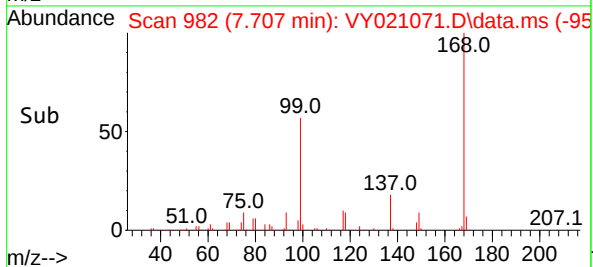
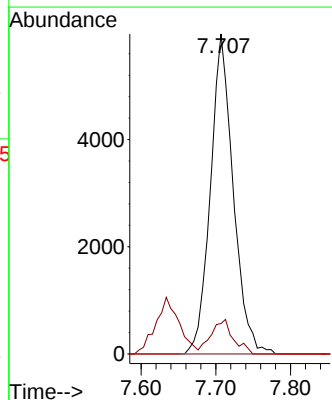
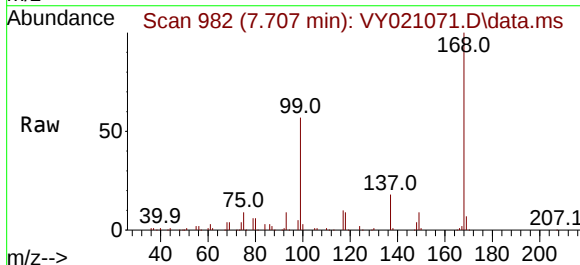


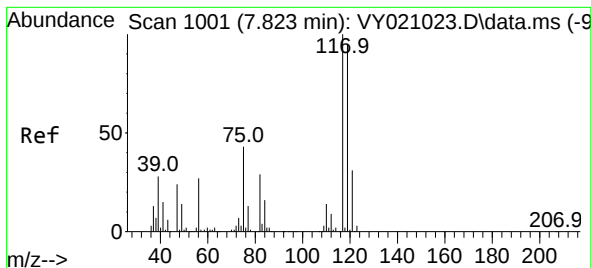
Tgt Ion:113 Resp: 96354
Ion Ratio Lower Upper
113 100
111 102.5 83.8 125.6
192 19.8 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.566 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.135 min
Lab File: VY021071.D
Acq: 04 Feb 2025 20:07

Tgt Ion: 75 Resp: 12651
Ion Ratio Lower Upper
75 100
110 10.4 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.852 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.110 min

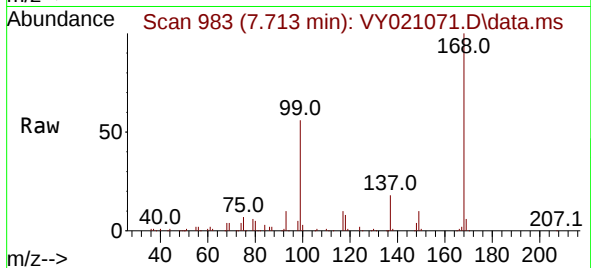
Lab File: VY021071.D

Acq: 04 Feb 2025 20:07

Instrument :

MSVOA_Y

ClientSampleId :



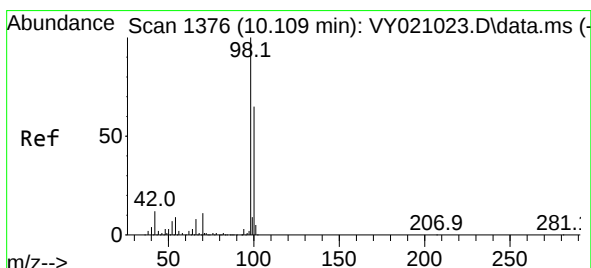
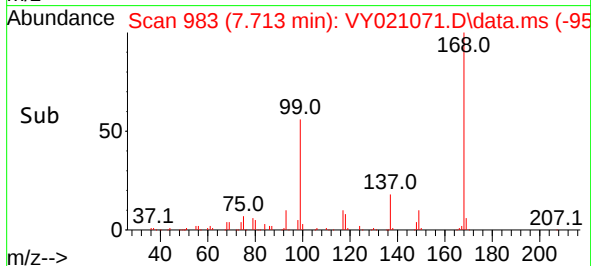
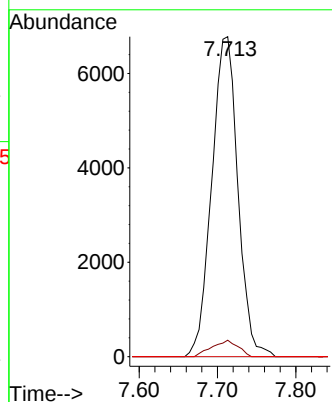
Tgt Ion:117 Resp: 15707

Ion Ratio Lower Upper

117 100

119 5.2 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 50.337 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.001 min

Lab File: VY021071.D

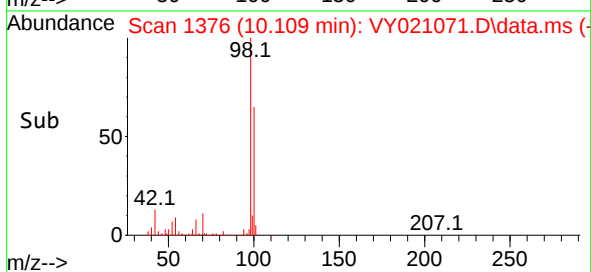
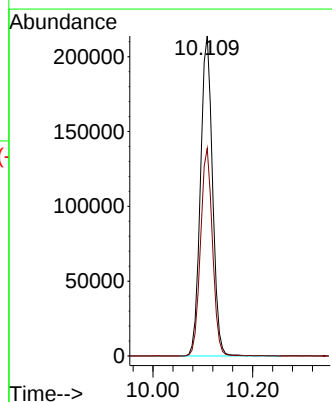
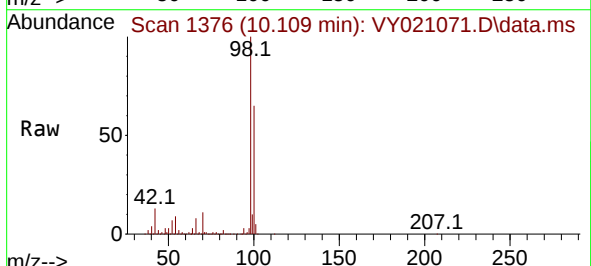
Acq: 04 Feb 2025 20:07

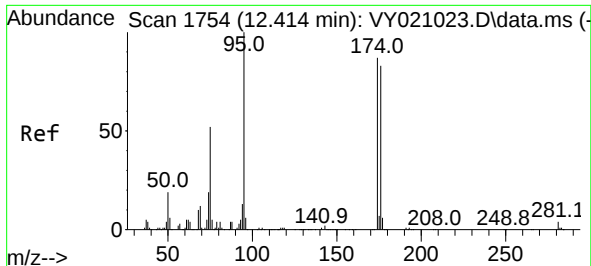
Tgt Ion: 98 Resp: 358462

Ion Ratio Lower Upper

98 100

100 64.3 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 48.264 ug/l

RT: 12.407 min Scan# 1

Delta R.T. -0.007 min

Lab File: VY021071.D

Acq: 04 Feb 2025 20:07

Instrument :

MSVOA_Y

ClientSampleId :

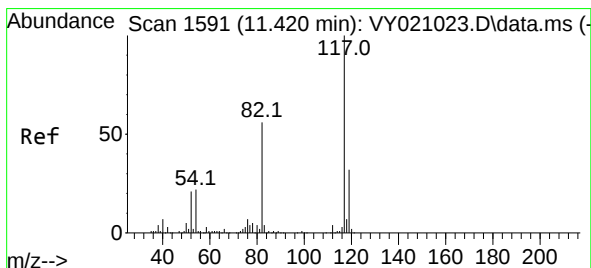
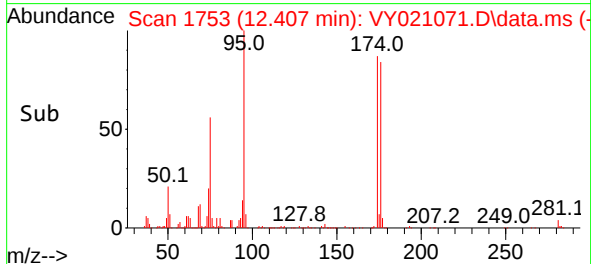
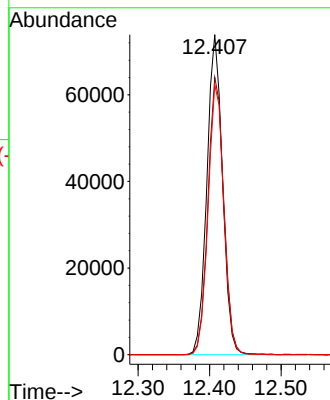
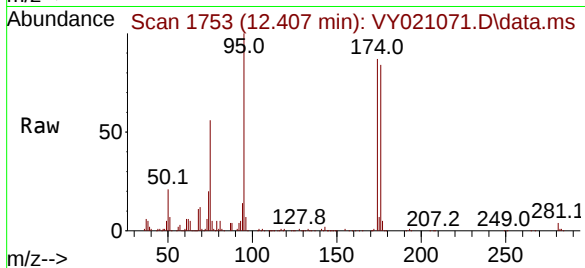
Tgt Ion: 95 Resp: 112284

Ion Ratio Lower Upper

95 100

174 88.1 0.0 160.0

176 84.7 0.0 151.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.001 min

Lab File: VY021071.D

Acq: 04 Feb 2025 20:07

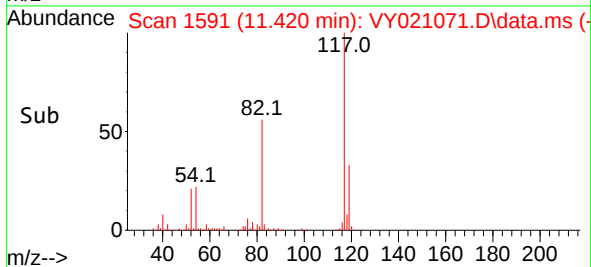
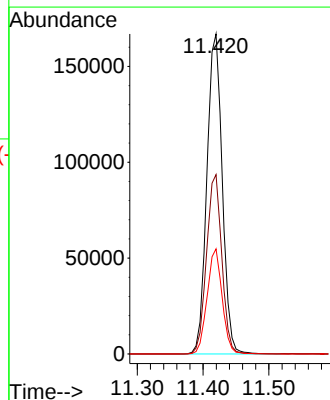
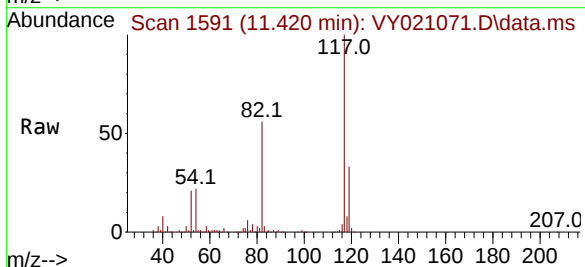
Tgt Ion: 117 Resp: 271395

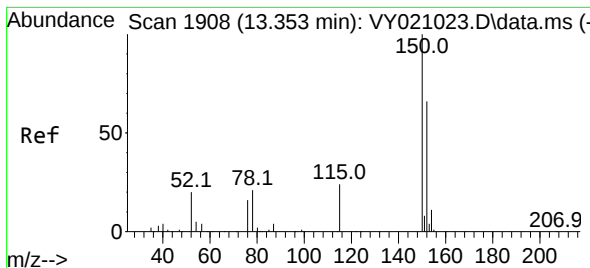
Ion Ratio Lower Upper

117 100

82 56.1 43.8 65.8

119 32.8 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1908

Delta R.T. -0.007 min

Lab File: VY021071.D

Acq: 04 Feb 2025 20:07

Instrument :

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ClientSampleId :

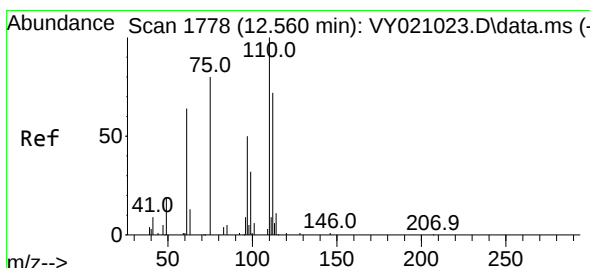
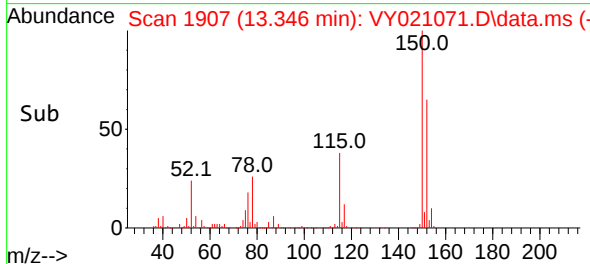
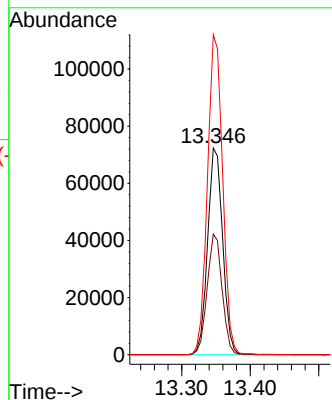
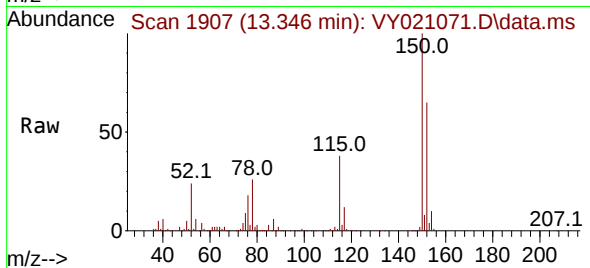
Tgt Ion:152 Resp: 110517

Ion Ratio Lower Upper

152 100

115 57.9 30.0 90.0

150 156.3 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 62.753 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.153 min

Lab File: VY021071.D

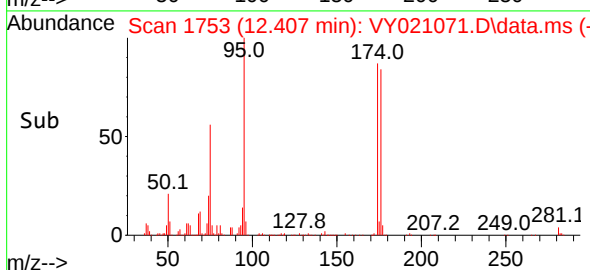
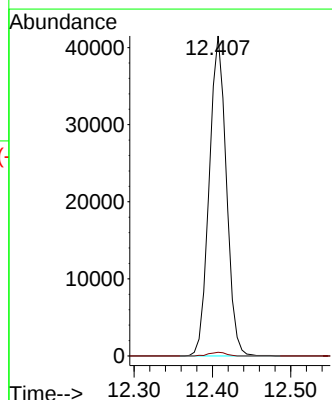
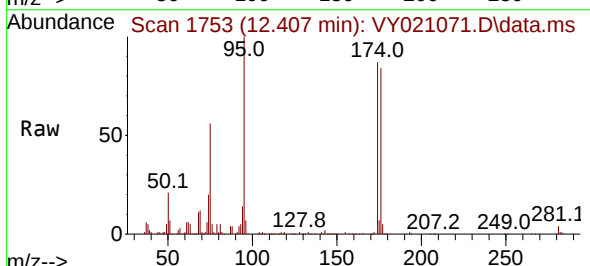
Acq: 04 Feb 2025 20:07

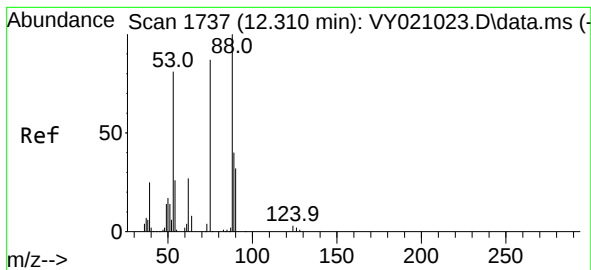
Tgt Ion: 75 Resp: 62911

Ion Ratio Lower Upper

75 100

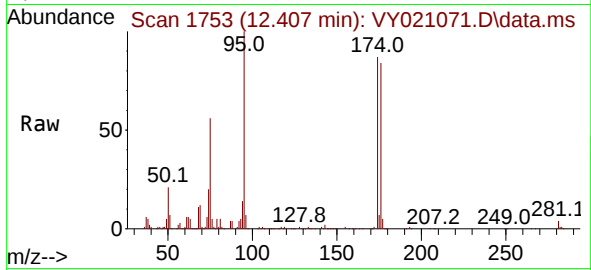
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.045 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY021071.D
 Acq: 04 Feb 2025 20:07

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 62911
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.0 36.5 54.7#

