

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020725\
 Data File : VY021138.D
 Acq On : 07 Feb 2025 14:39
 Operator : SY/MD
 Sample : Q1290-02
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Feb 08 02:41:50 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)

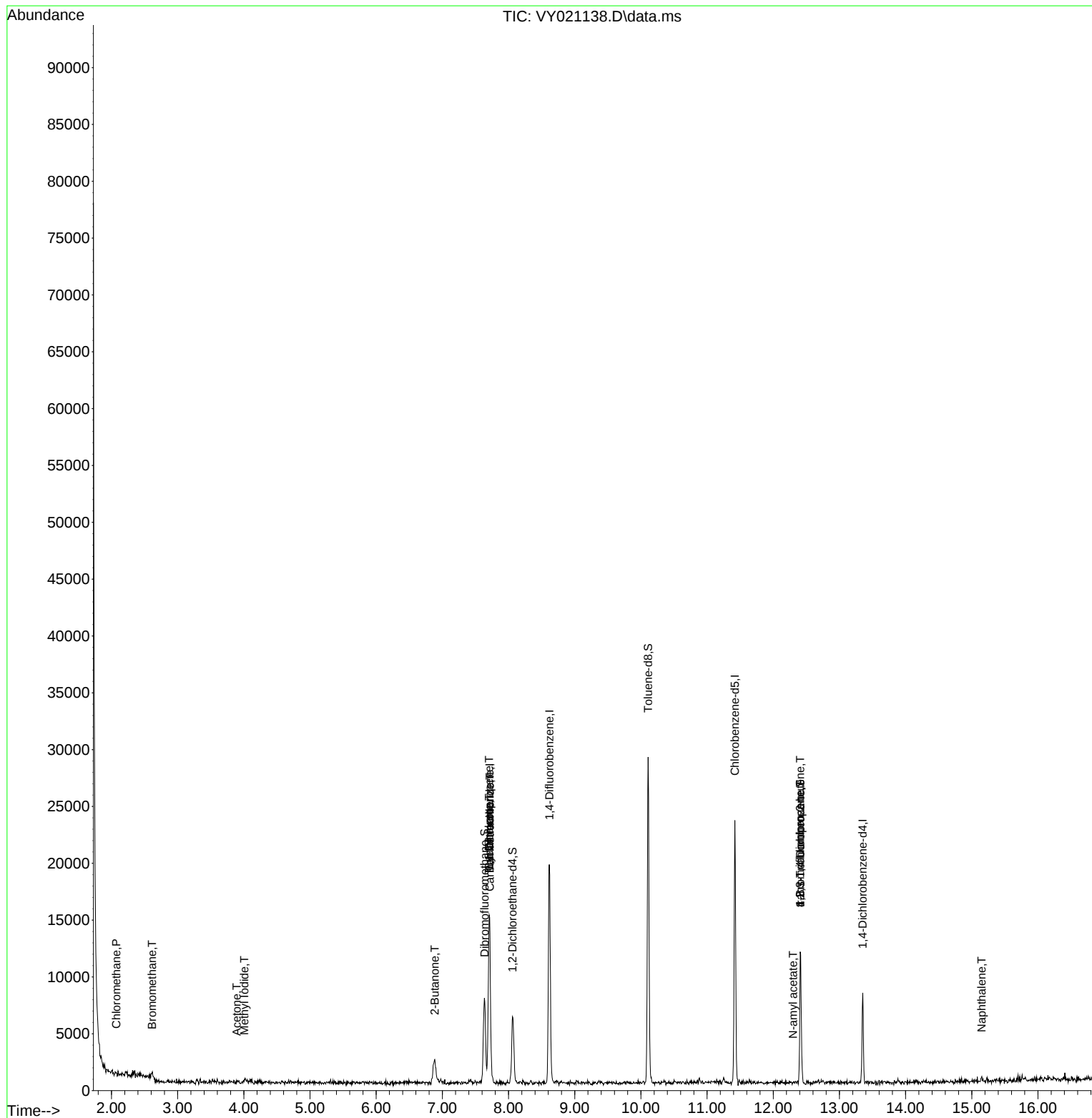
Internal Standards						
1) Pentafluorobenzene	7.713	168	11811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	17126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	12326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	2084	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	5416	44.755	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.520%
35) Dibromofluoromethane	7.640	113	5491	50.030	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.060%
50) Toluene-d8	10.109	98	19177	45.895	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.800%
62) 4-Bromofluorobenzene	12.408	95	3199	23.435	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	46.860%
Target Compounds						Qvalue
3) Chloromethane	2.074	50	131	1.261	ug/l #	41
5) Bromomethane	2.611	94	262	4.054	ug/l #	43
10) Methyl Iodide	4.007	142	204	1.536	ug/l #	64
16) Acetone	3.891	43	24	1.272	ug/l #	41
25) 2-Butanone	6.884	43	46	1.483	ug/l #	48
31) Cyclohexane	7.707	56	334	1.618	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	914	5.622	ug/l #	44
38) Carbon Tetrachloride	7.719	117	1271	6.691	ug/l #	12
74) N-amyl acetate	12.298	43	42	1.180	ug/l #	40
76) 1,2,3-Trichloropropane	12.408	75	1941	102.674	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	1941	209.505	ug/l #	12
95) Naphthalene	15.151	128	223	3.978	ug/l #	69

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

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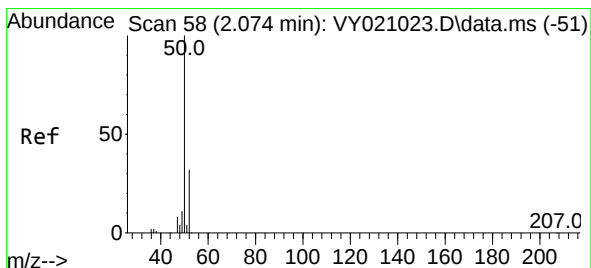
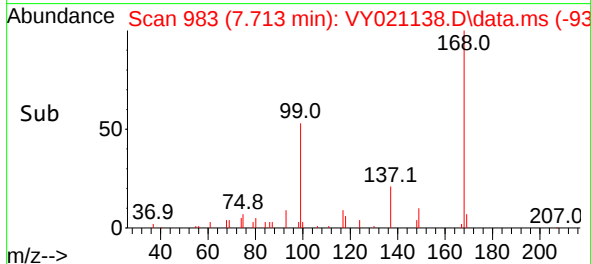
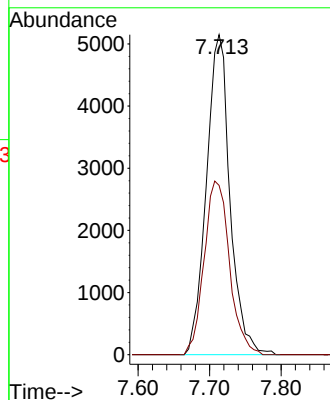
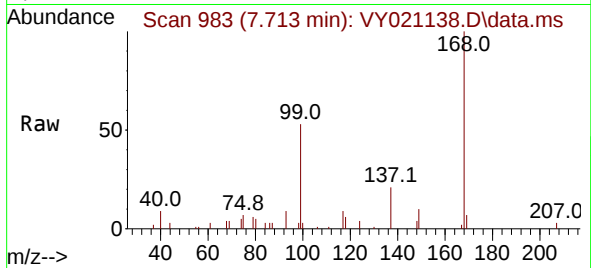




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021138.D
Acq: 07 Feb 2025 14:39

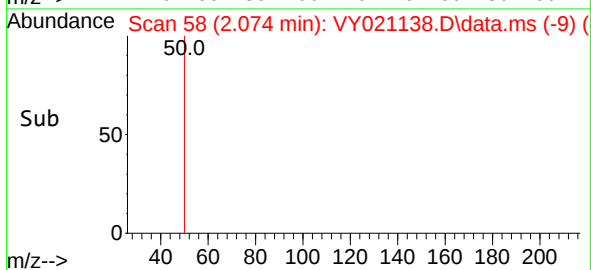
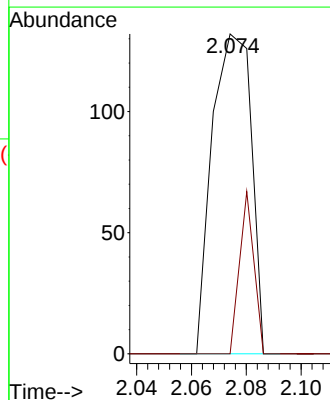
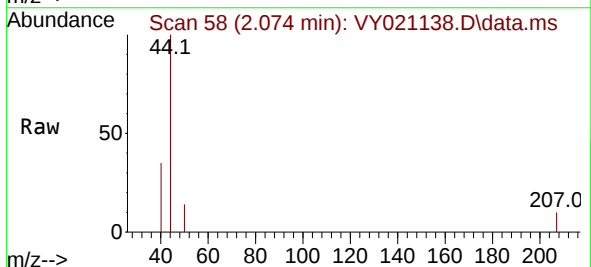
Instrument :
MSVOA_Y
ClientSampleId :
VOC

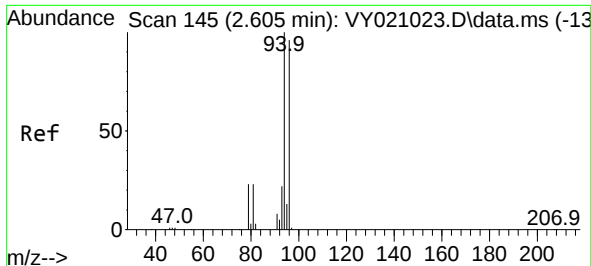
Tgt Ion:168 Resp: 11811
Ion Ratio Lower Upper
168 100
99 52.9 44.2 66.4



#3
Chloromethane
Concen: 1.261 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.000 min
Lab File: VY021138.D
Acq: 07 Feb 2025 14:39

Tgt Ion: 50 Resp: 131
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

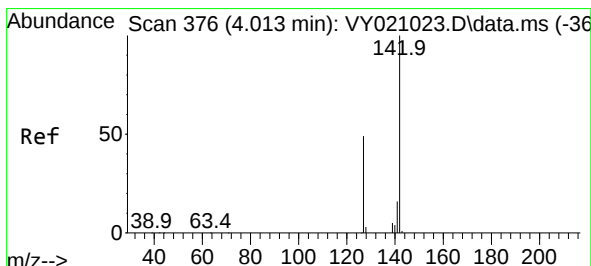
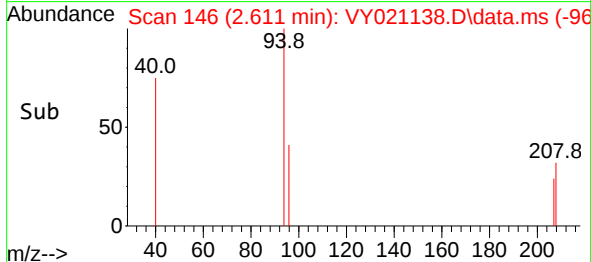
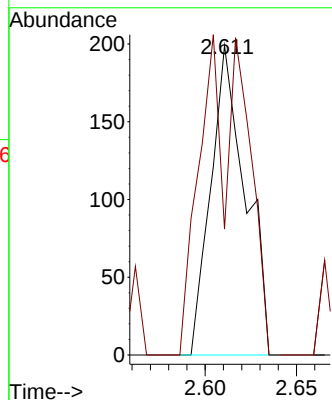
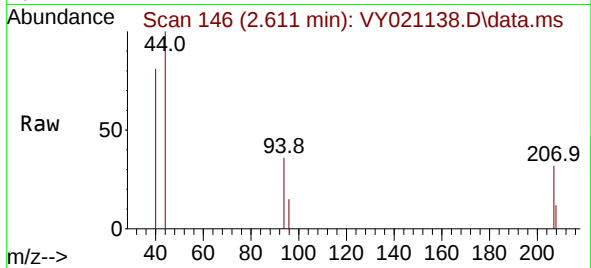




#5
Bromomethane
Concen: 4.054 ug/l
RT: 2.611 min Scan# 145
Delta R.T. 0.006 min
Lab File: VY021138.D
Acq: 07 Feb 2025 14:39

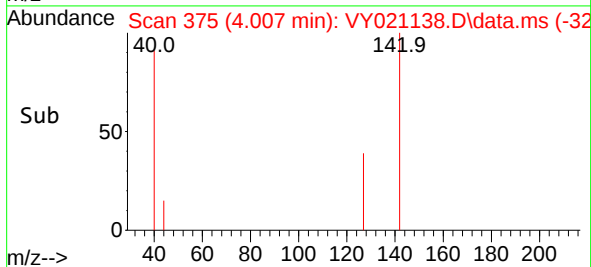
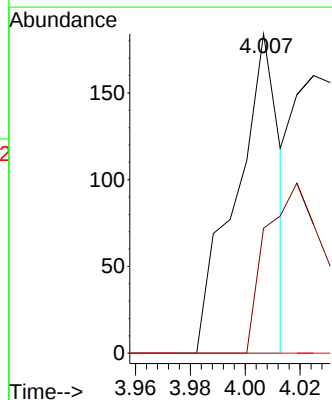
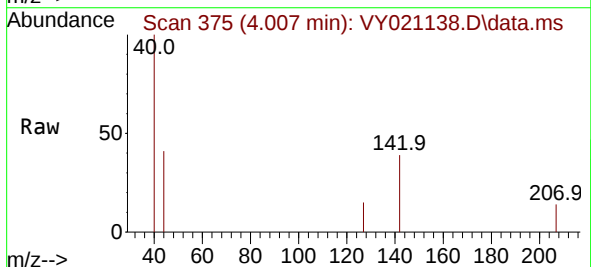
Instrument :
MSVOA_Y
ClientSampleId :
VOC

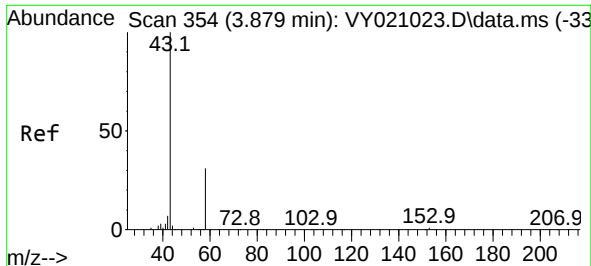
Tgt Ion: 94 Resp: 262
Ion Ratio Lower Upper
94 100
96 40.7 77.3 115.9#



#10
Methyl Iodide
Concen: 1.536 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY021138.D
Acq: 07 Feb 2025 14:39

Tgt Ion:142 Resp: 204
Ion Ratio Lower Upper
142 100
127 67.2 35.1 52.7#
141 0.0 11.8 17.6#





#16

Acetone

Concen: 1.272 ug/l

RT: 3.891 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY021138.D

Acq: 07 Feb 2025 14:39

Instrument :

MSVOA_Y

ClientSampleId :

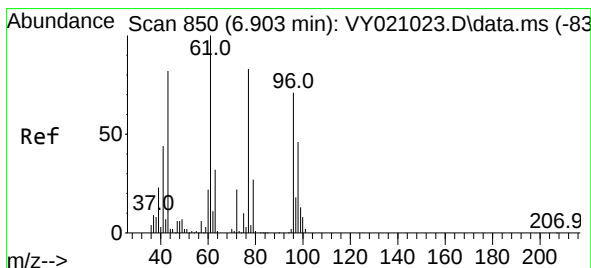
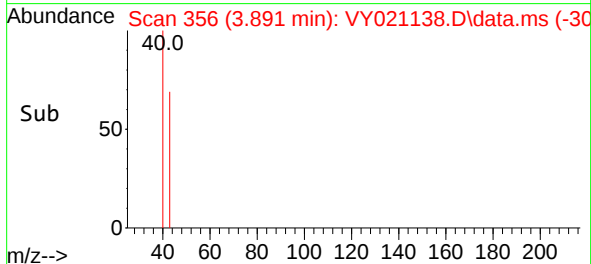
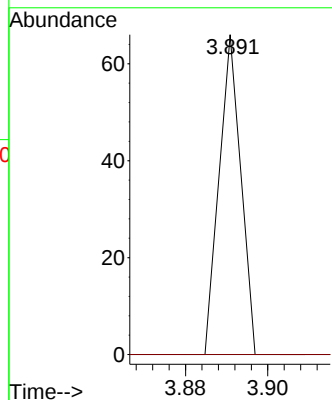
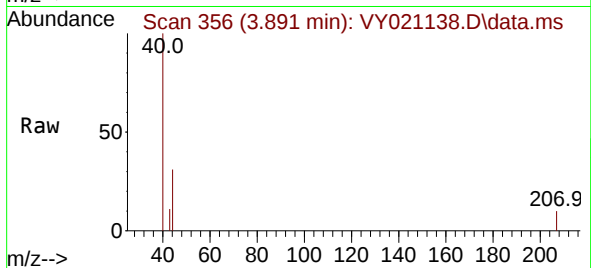
VOC

Tgt Ion: 43 Resp: 24

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#25

2-Butanone

Concen: 1.483 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.018 min

Lab File: VY021138.D

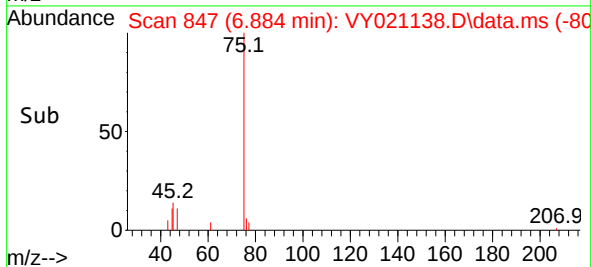
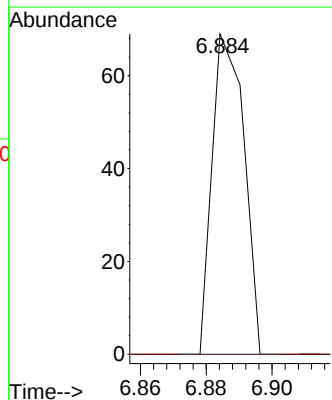
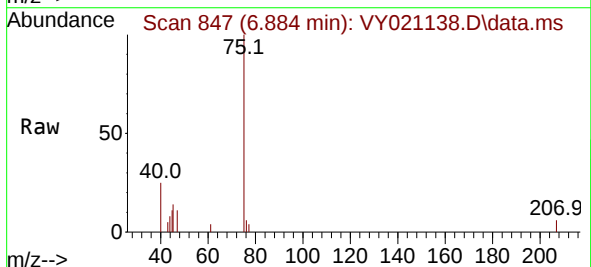
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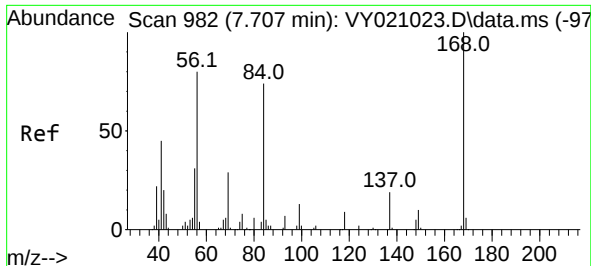
Tgt Ion: 43 Resp: 46

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#

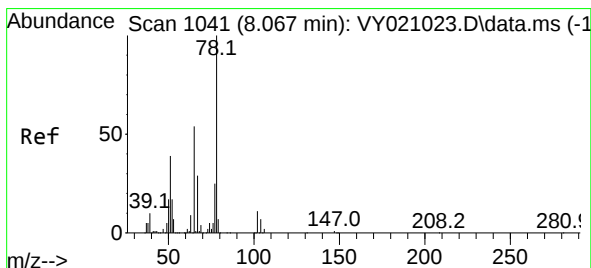
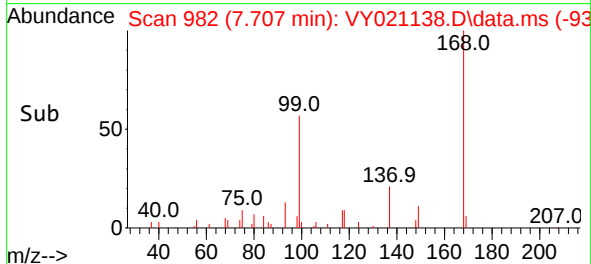
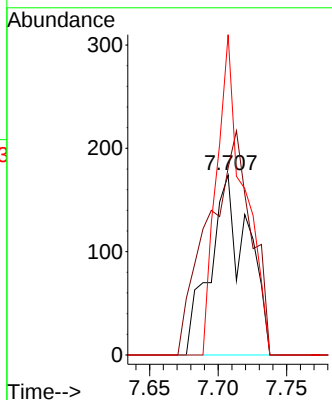
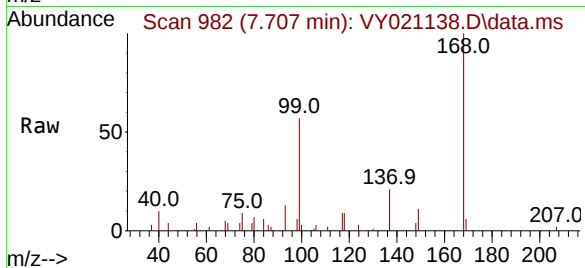




#31
Cyclohexane
Concen: 1.618 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021138.D
Acq: 07 Feb 2025 14:39

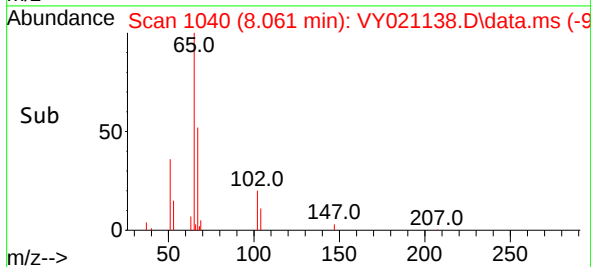
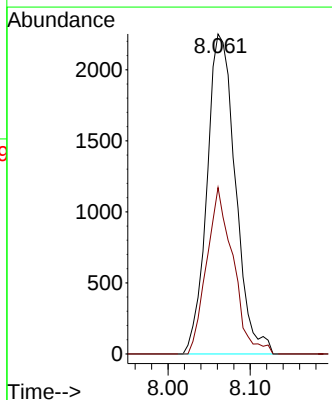
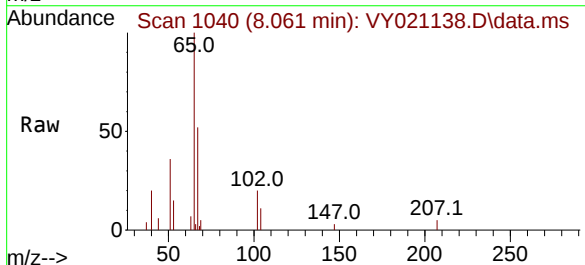
Instrument :
MSVOA_Y
ClientSampleId :
VOC

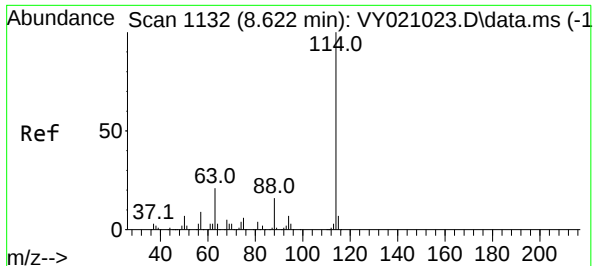
Tgt Ion: 56 Resp: 334
Ion Ratio Lower Upper
56 100
69 104.0 27.0 40.6#
84 178.2 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 44.755 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021138.D
Acq: 07 Feb 2025 14:39

Tgt Ion: 65 Resp: 5416
Ion Ratio Lower Upper
65 100
67 48.4 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021138.D

Acq: 07 Feb 2025 14:39

Instrument :

MSVOA_Y

ClientSampleId :

VOC

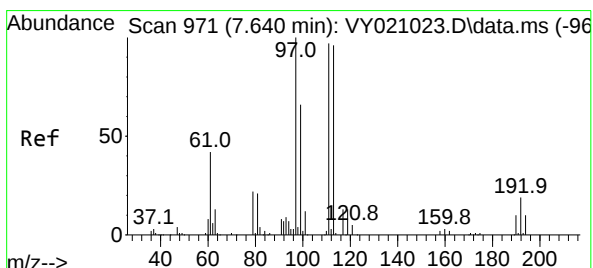
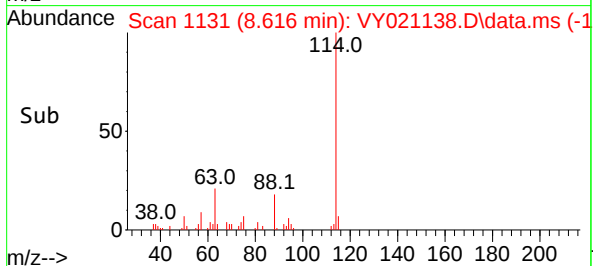
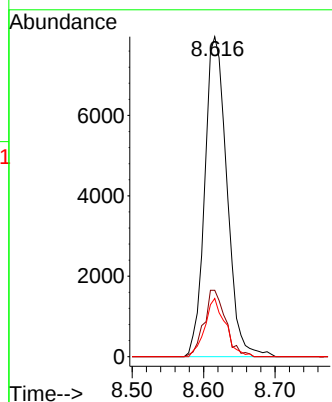
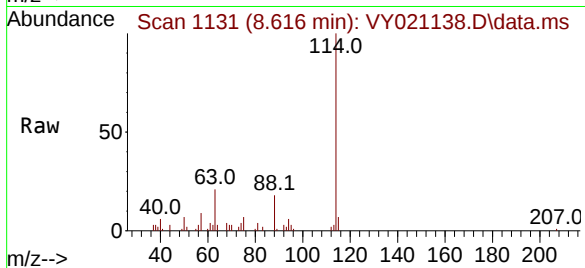
Tgt Ion:114 Resp: 17126

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.4

88 18.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.030 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021138.D

Acq: 07 Feb 2025 14:39

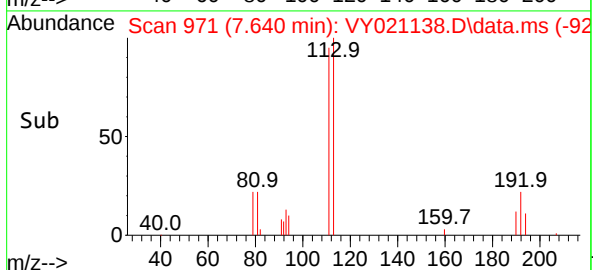
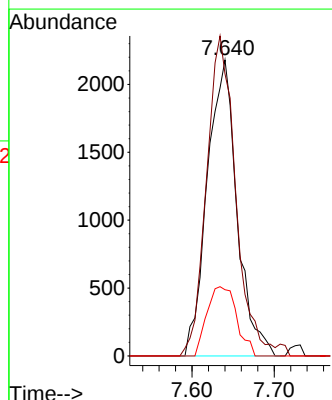
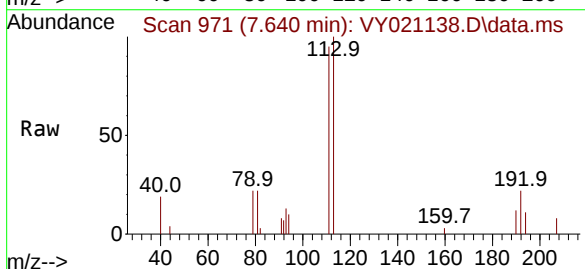
Tgt Ion:113 Resp: 5491

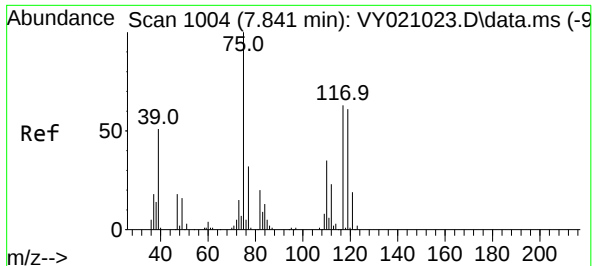
Ion Ratio Lower Upper

113 100

111 106.3 83.8 125.6

192 23.3 14.5 21.7#





#36

1,1-Dichloropropene

Concen: 5.622 ug/l

RT: 7.707 min Scan# 914

Delta R.T. -0.134 min

Lab File: VY021138.D

Acq: 07 Feb 2025 14:39

Instrument :

MSVOA_Y

ClientSampleId :

VOC

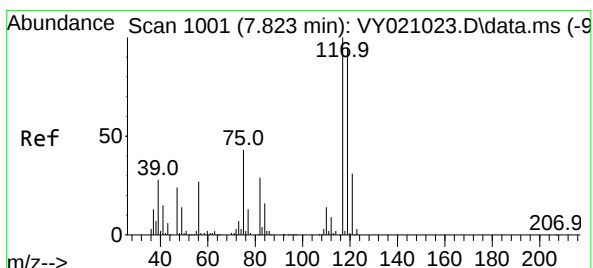
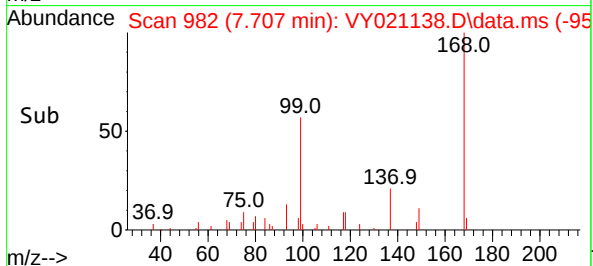
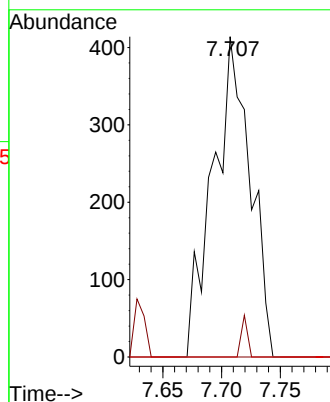
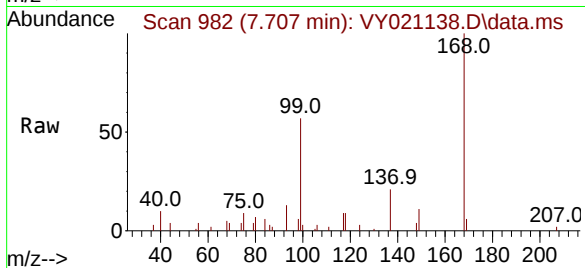
Tgt Ion: 75 Resp: 914

Ion Ratio Lower Upper

75 100

110 2.2 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.691 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.104 min

Lab File: VY021138.D

Acq: 07 Feb 2025 14:39

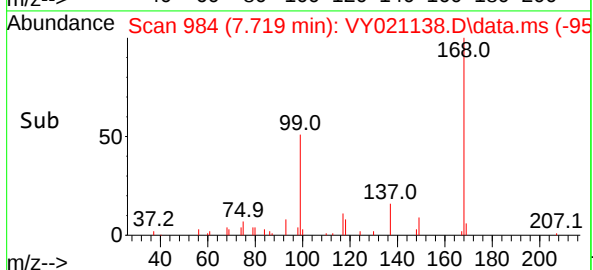
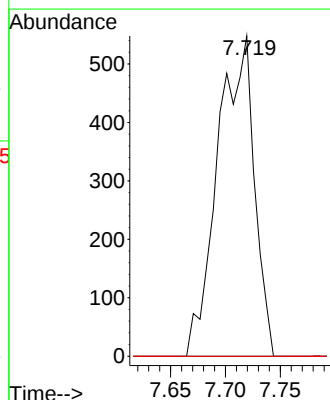
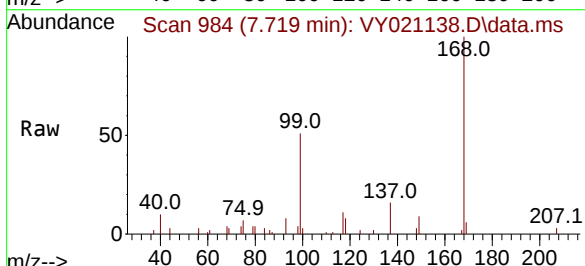
Tgt Ion: 117 Resp: 1271

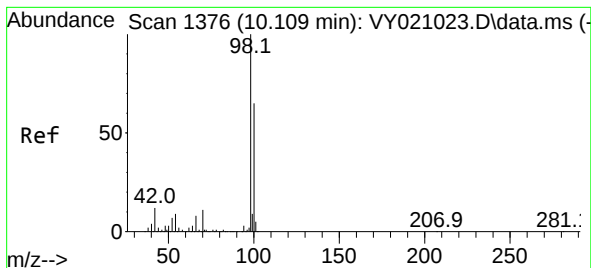
Ion Ratio Lower Upper

117 100

119 0.0 76.0 114.0#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 45.895 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021138.D

Acq: 07 Feb 2025 14:39

Instrument :

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ClientSampleId :

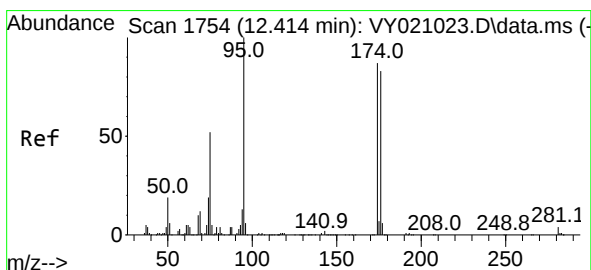
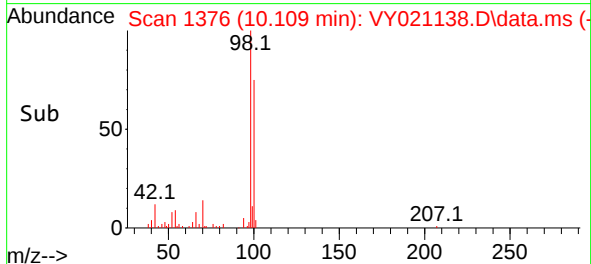
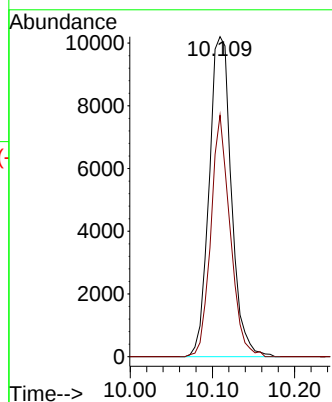
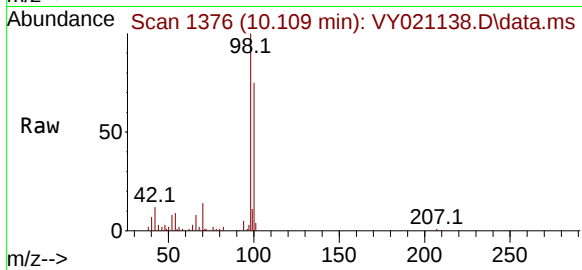
VOC

Tgt Ion: 98 Resp: 19177

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 23.435 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.006 min

Lab File: VY021138.D

Acq: 07 Feb 2025 14:39

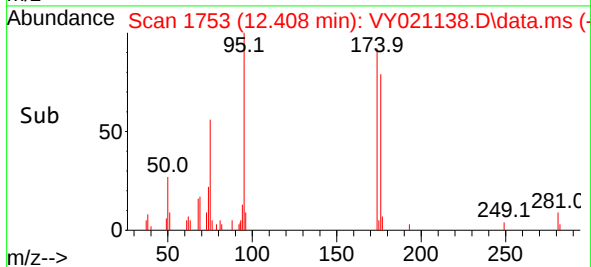
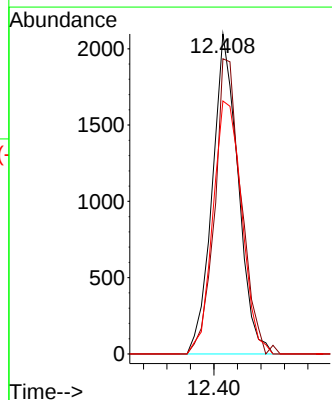
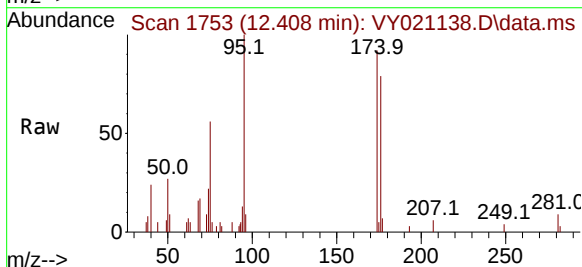
Tgt Ion: 95 Resp: 3199

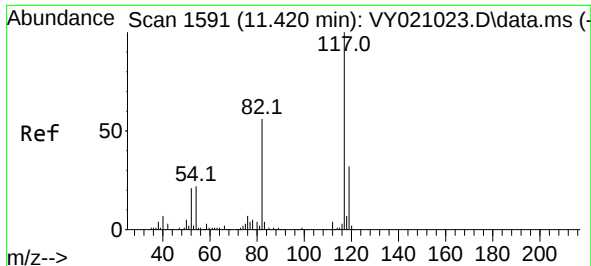
Ion Ratio Lower Upper

95 100

174 94.3 0.0 160.0

176 88.4 0.0 151.8

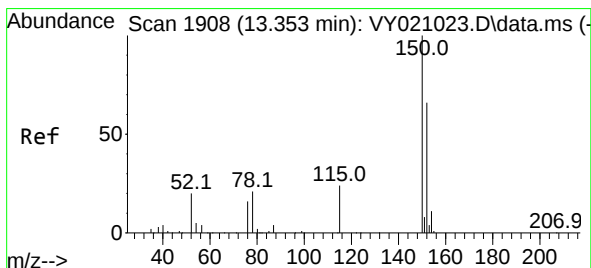
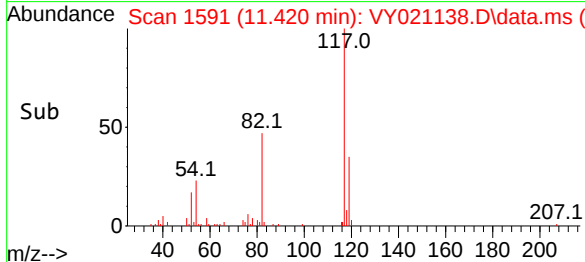
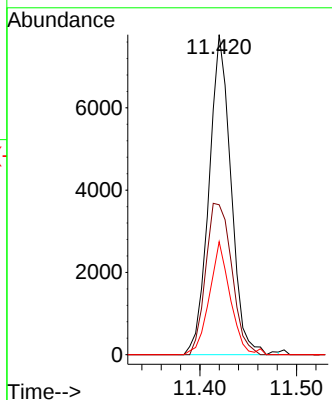
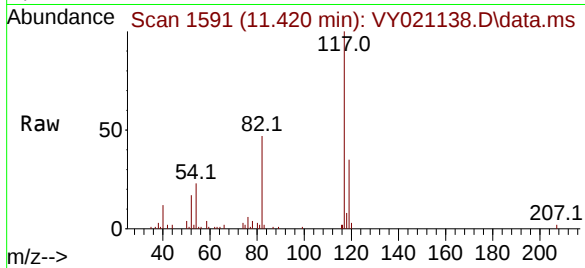




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021138.D
Acq: 07 Feb 2025 14:39

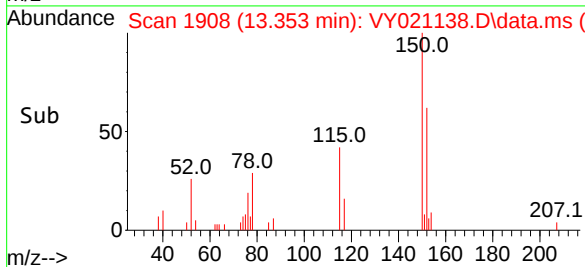
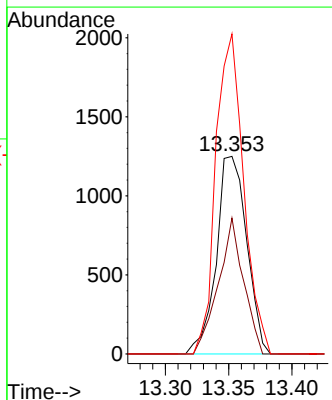
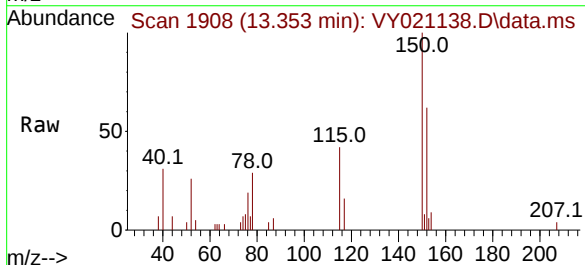
Instrument :
MSVOA_Y
ClientSampleId :
VOC

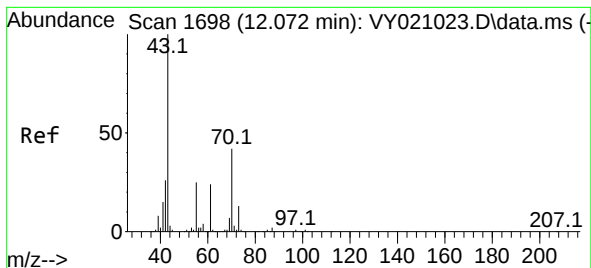
Tgt Ion:	117	Resp:	12326
Ion	Ratio	Lower	Upper
117	100		
82	46.8	43.8	65.8
119	35.3	26.5	39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021138.D
Acq: 07 Feb 2025 14:39

Tgt Ion:	152	Resp:	2084
Ion	Ratio	Lower	Upper
152	100		
115	57.1	30.0	90.0
150	148.6	0.0	344.6





#74

N-amy1 acetate

Concen: 1.180 ug/l

RT: 12.298 min Scan# 1

Delta R.T. 0.225 min

Lab File: VY021138.D

Acq: 07 Feb 2025 14:39

Instrument :

MSVOA_Y

ClientSampleId :

VOC

Tgt Ion: 43 Resp: 42

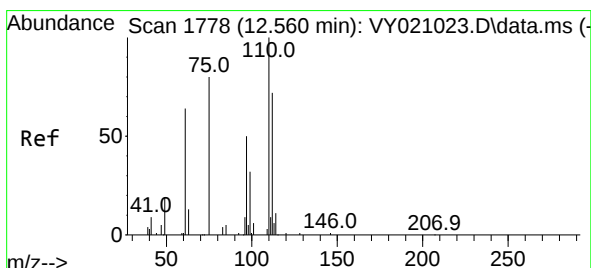
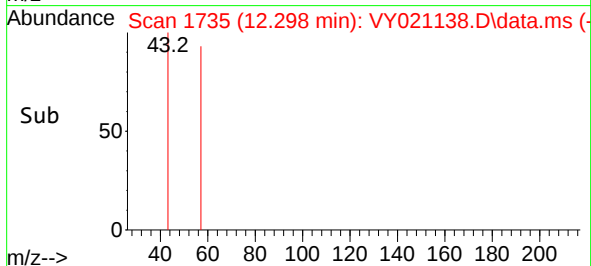
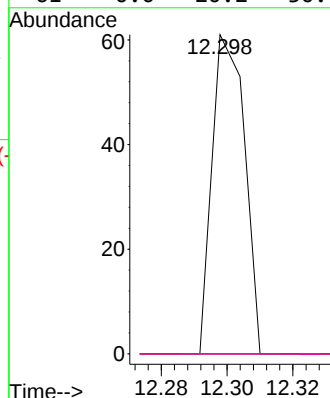
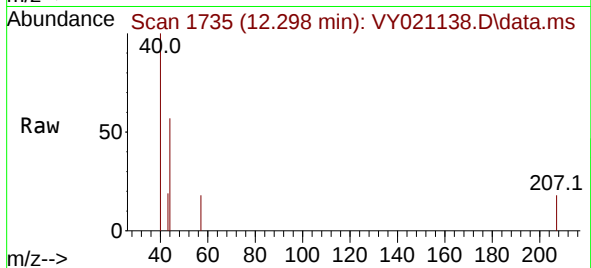
Ion Ratio Lower Upper

43 100

70 0.0 36.6 55.0#

55 0.0 22.2 33.4#

61 0.0 20.2 30.4#



#76

1,2,3-Trichloropropane

Concen: 102.674 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.153 min

Lab File: VY021138.D

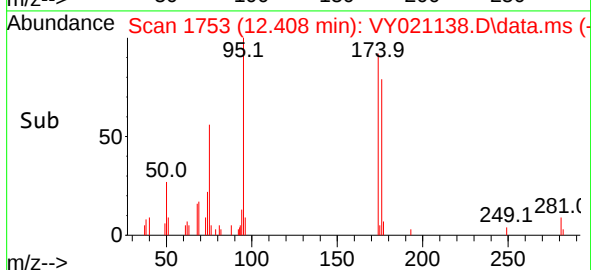
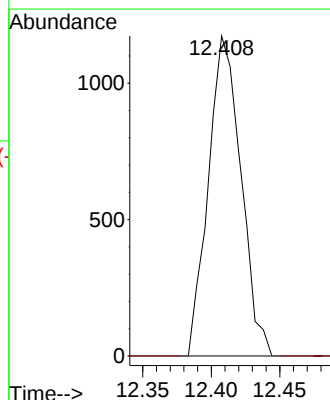
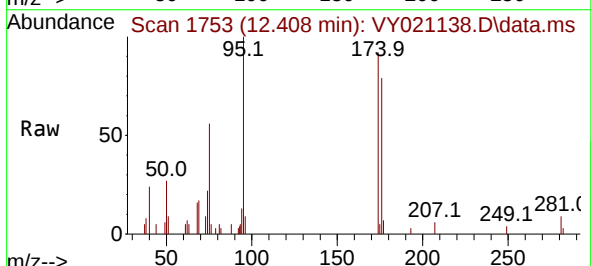
Acq: 07 Feb 2025 14:39

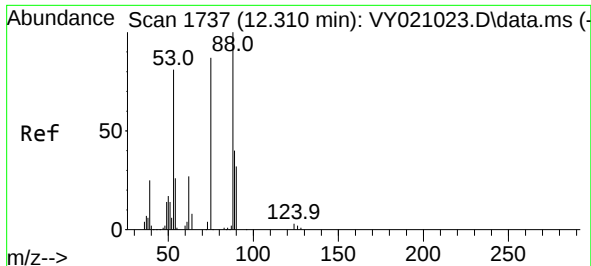
Tgt Ion: 75 Resp: 1941

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

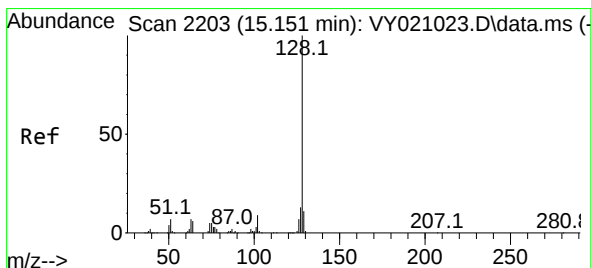
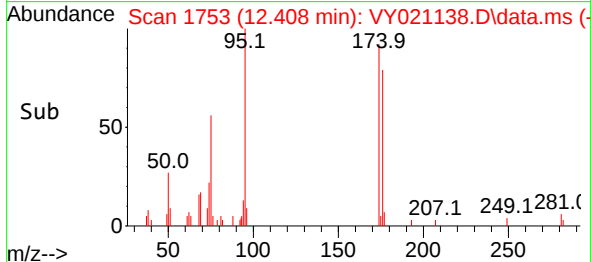
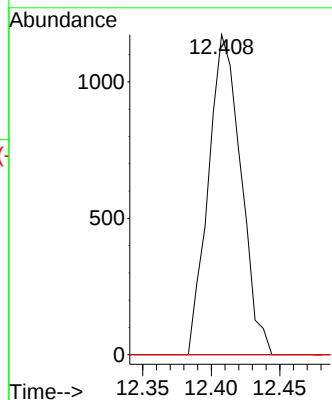
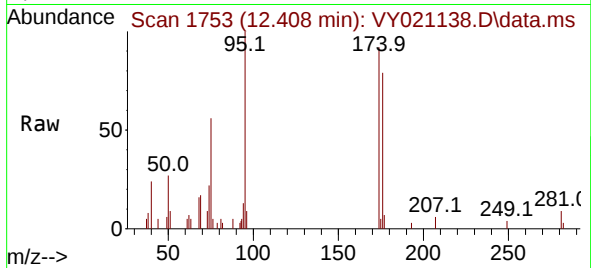




#81
trans-1,4-Dichloro-2-butene
Concen: 209.505 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.097 min
Lab File: VY021138.D
Acq: 07 Feb 2025 14:39

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 75 Resp: 1941
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 3.978 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VY021138.D
Acq: 07 Feb 2025 14:39

Tgt Ion: 128 Resp: 223
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

