

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
 Data File : VY021391.D
 Acq On : 28 Feb 2025 19:25
 Operator : SY/MD
 Sample : Q1463-03
 Misc : 7.33g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T3

Quant Time: Feb 28 22:24:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

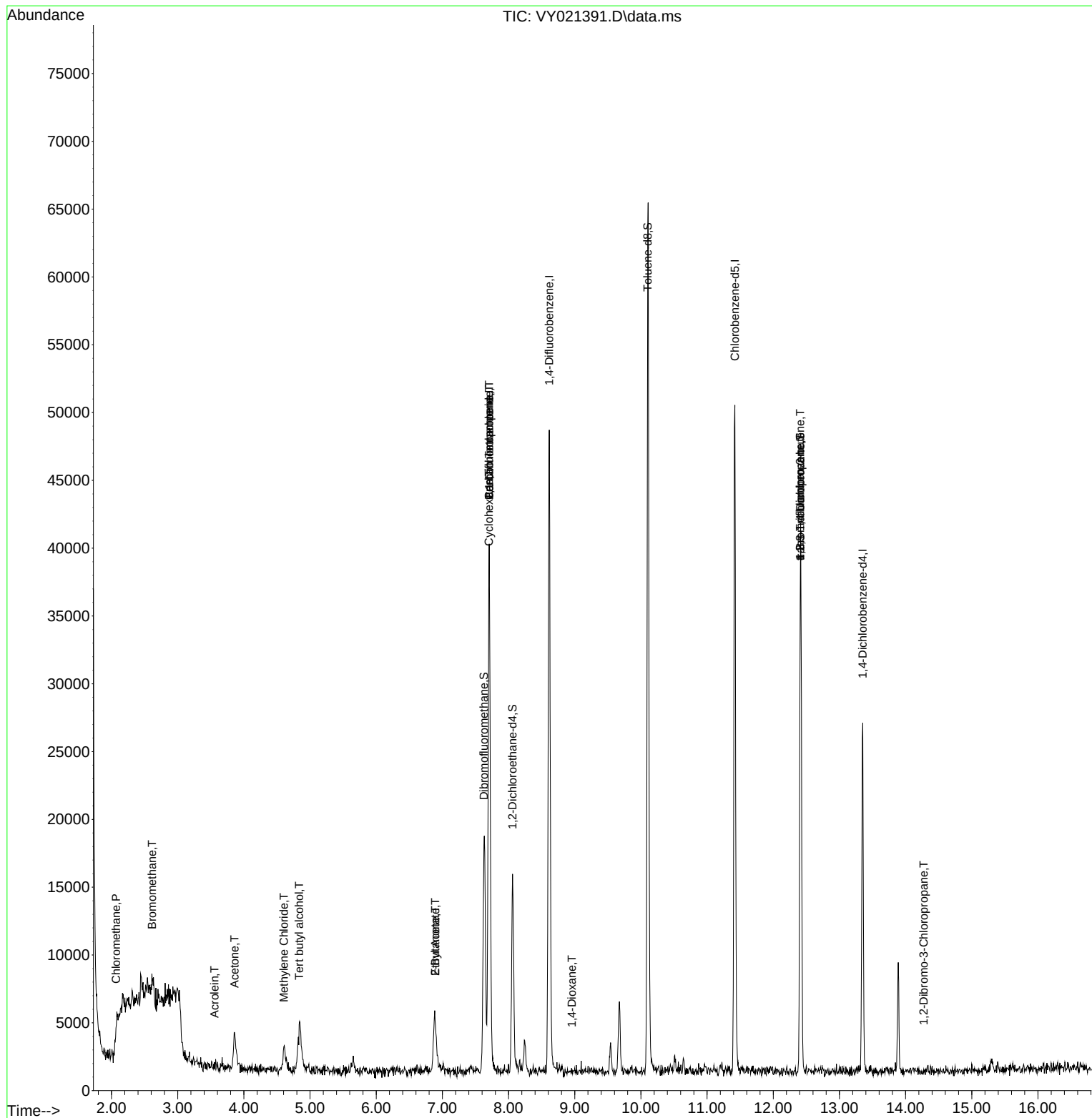
Internal Standards						
1) Pentafluorobenzene	7.707	168	28326	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	39483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	25853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	6315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	11897	37.024	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	74.040%
35) Dibromofluoromethane	7.628	113	12788	49.402	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.800%
50) Toluene-d8	10.103	98	42277	42.260	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.520%
62) 4-Bromofluorobenzene	12.407	95	8065	23.955	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	47.900%
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	394	1.136	ug/l #	78
5) Bromomethane	2.610	94	485	2.144	ug/l #	27
11) Tert butyl alcohol	4.836	59	5512	223.010	ug/l #	89
13) Acrolein	3.555	56	20	1.056	ug/l #	13
16) Acetone	3.860	43	4288	69.566	ug/l	89
20) Methylene Chloride	4.604	84	624	1.872	ug/l #	51
25) 2-Butanone	6.890	43	540	5.805	ug/l #	52
31) Cyclohexane	7.701	56	860	1.518	ug/l #	40
36) 1,1-Dichloropropene	7.707	75	2626	6.754	ug/l #	45
37) Ethyl Acetate	6.890	43	540	2.792	ug/l #	87
38) Carbon Tetrachloride	7.707	117	3172	7.256	ug/l #	12
49) 1,4-Dioxane	8.957	88	23	13.681	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	4690	74.197	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	4690	164.914	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.273	75	20	1.509	ug/l #	2

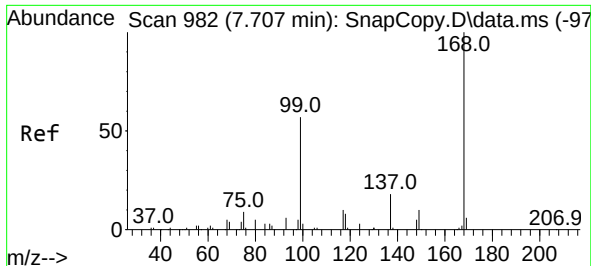
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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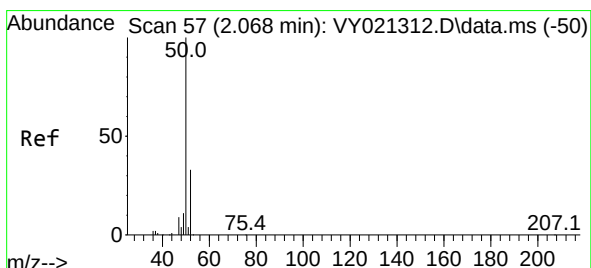
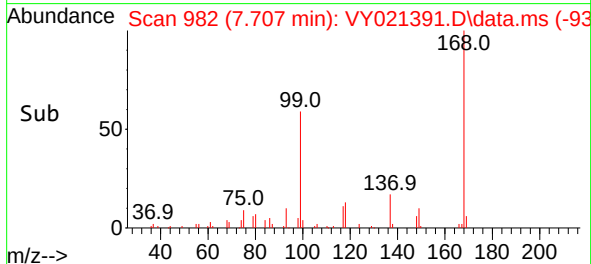
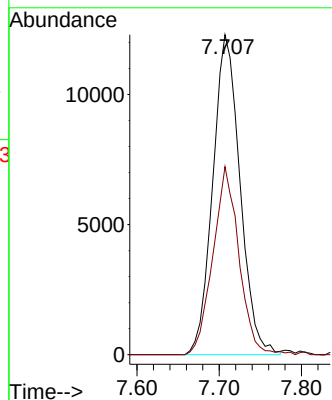
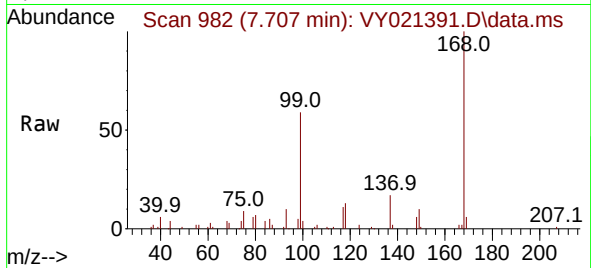




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021391.D
Acq: 28 Feb 2025 19:25

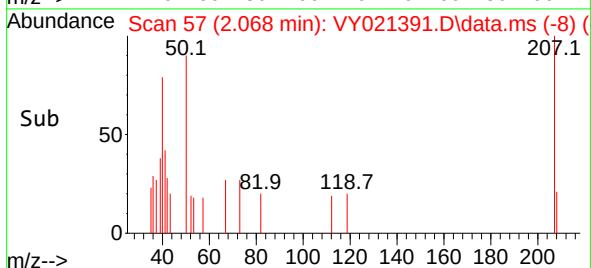
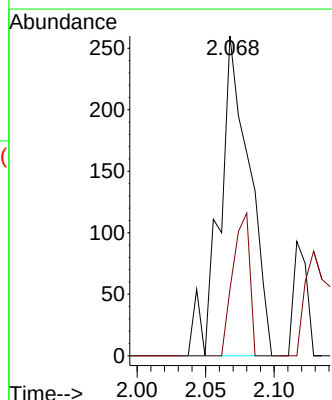
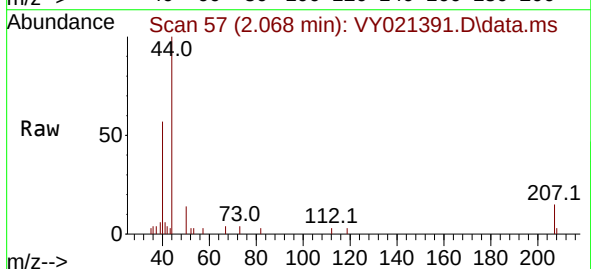
Instrument :
MSVOA_Y
ClientSampleId :
T3

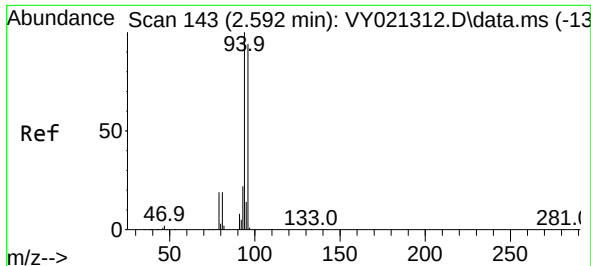
Tgt Ion:168 Resp: 28326
Ion Ratio Lower Upper
168 100
99 58.8 47.1 70.7



#3
Chloromethane
Concen: 1.136 ug/l
RT: 2.068 min Scan# 57
Delta R.T. -0.000 min
Lab File: VY021391.D
Acq: 28 Feb 2025 19:25

Tgt Ion: 50 Resp: 394
Ion Ratio Lower Upper
50 100
52 20.8 26.6 40.0#

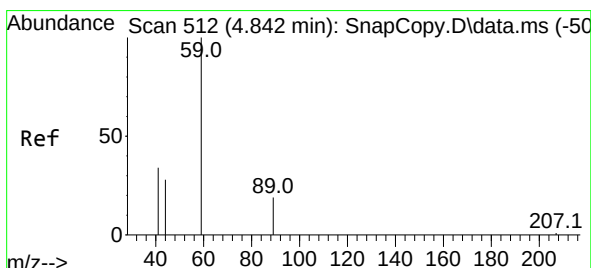
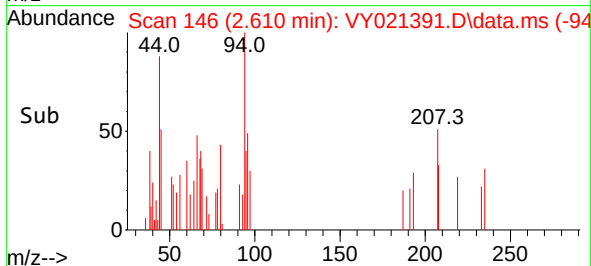
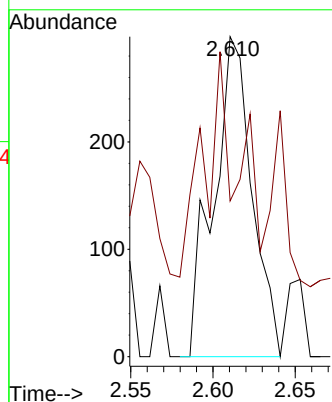
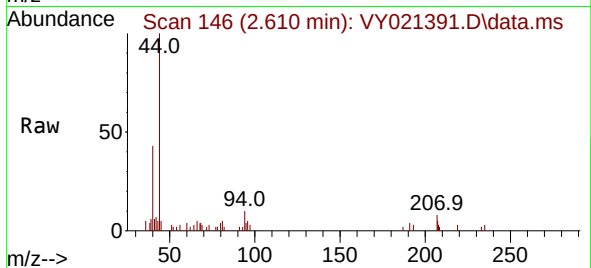




#5
Bromomethane
Concen: 2.144 ug/l
RT: 2.610 min Scan# 14
Delta R.T. 0.018 min
Lab File: VY021391.D
Acq: 28 Feb 2025 19:25

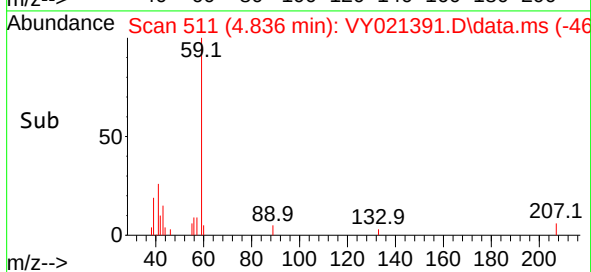
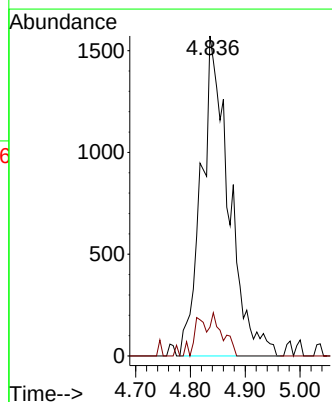
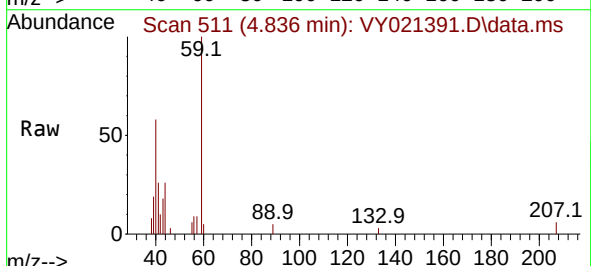
Instrument :
MSVOA_Y
ClientSampleId :
T3

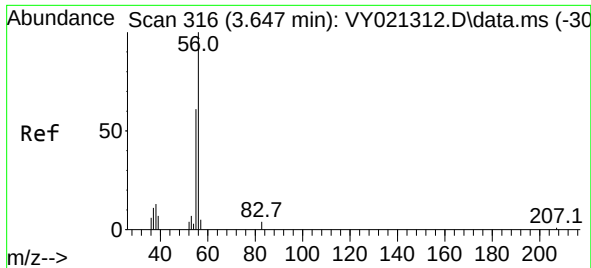
Tgt Ion: 94 Resp: 485
Ion Ratio Lower Upper
94 100
96 23.8 75.2 112.8#



#11
Tert butyl alcohol
Concen: 223.010 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY021391.D
Acq: 28 Feb 2025 19:25

Tgt Ion: 59 Resp: 5512
Ion Ratio Lower Upper
59 100
57 6.3 8.3 12.5#

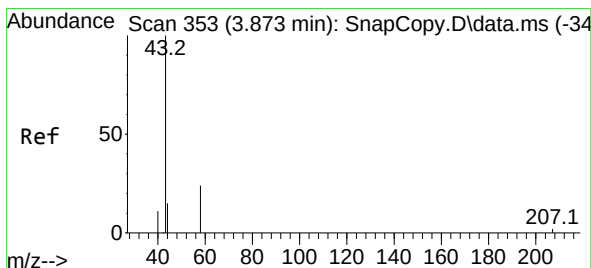
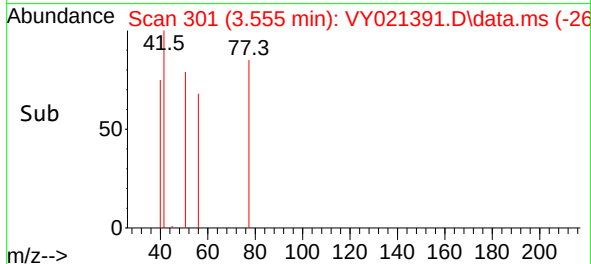
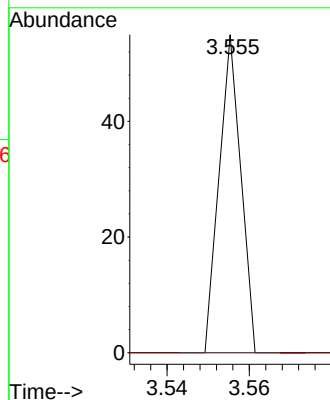
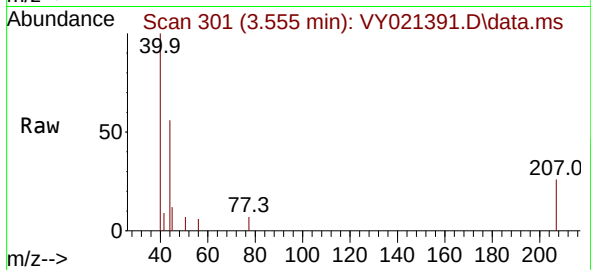




#13
Acrolein
Concen: 1.056 ug/l
RT: 3.555 min Scan# 301
Delta R.T. -0.092 min
Lab File: VY021391.D
Acq: 28 Feb 2025 19:25

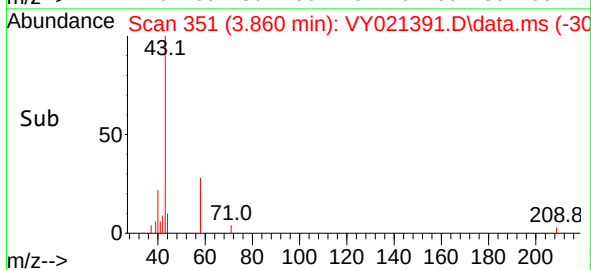
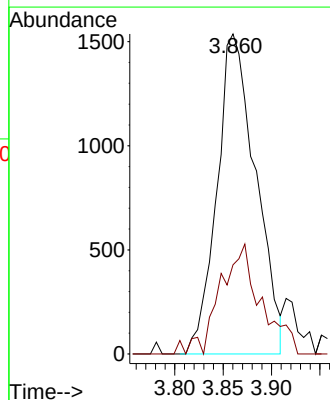
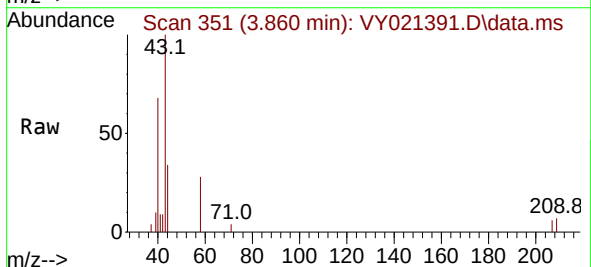
Instrument :
MSVOA_Y
ClientSampleId :
T3

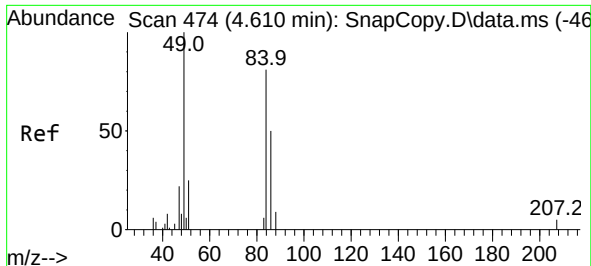
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 59.0 88.6#



#16
Acetone
Concen: 69.566 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.006 min
Lab File: VY021391.D
Acq: 28 Feb 2025 19:25

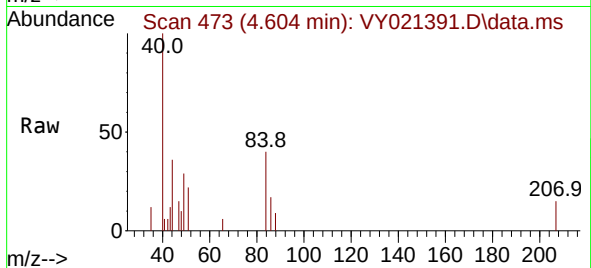
Tgt Ion: 43 Resp: 4288
Ion Ratio Lower Upper
43 100
58 23.6 23.5 35.3



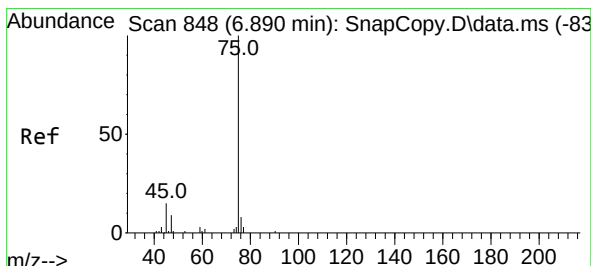
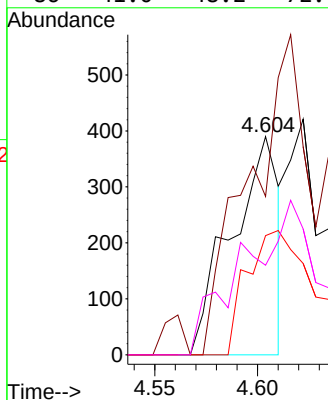
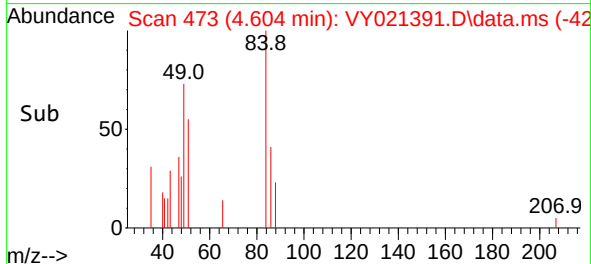


#20
Methylene Chloride
Concen: 1.872 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY021391.D
Acq: 28 Feb 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
T3

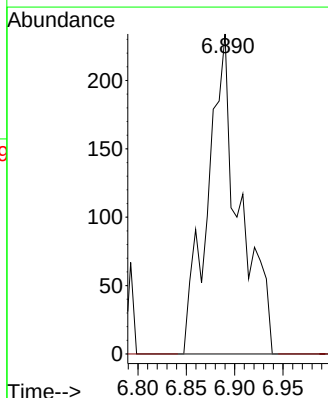
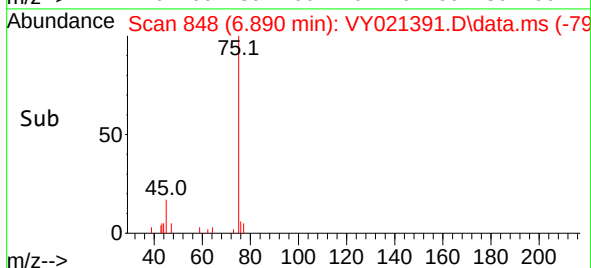
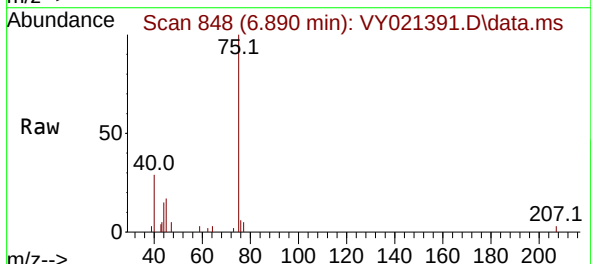


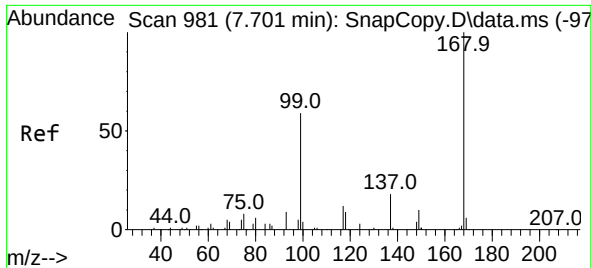
Tgt Ion: 84 Resp: 624
Ion Ratio Lower Upper
84 100
49 54.4 105.1 157.7#
51 54.6 31.0 46.4#
86 41.0 48.2 72.4#



#25
2-Butanone
Concen: 5.805 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY021391.D
Acq: 28 Feb 2025 19:25

Tgt Ion: 43 Resp: 540
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#

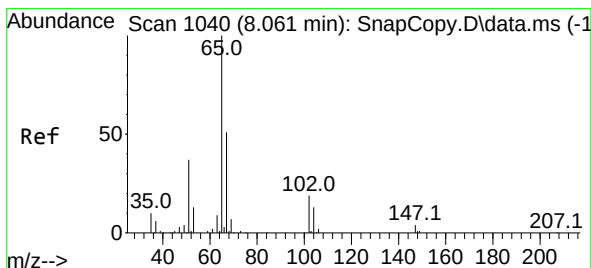
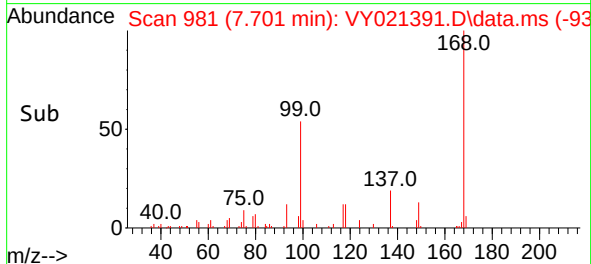
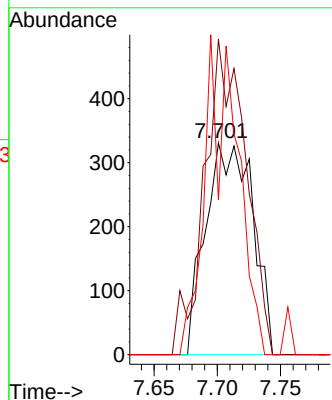
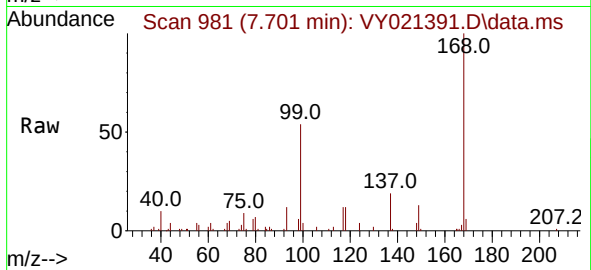




#31
Cyclohexane
Concen: 1.518 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY021391.D
Acq: 28 Feb 2025 19:25

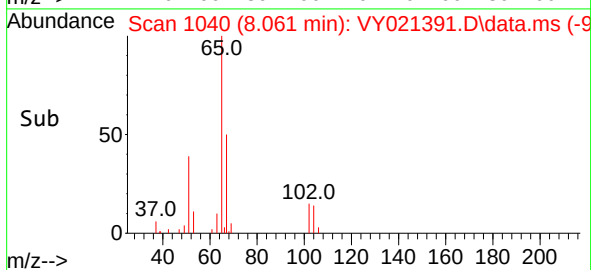
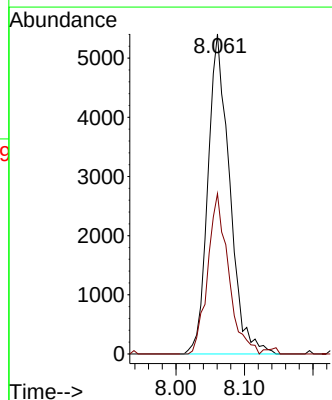
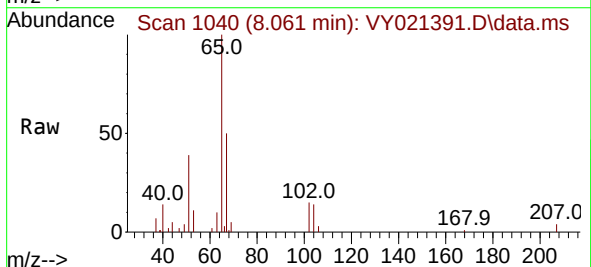
Instrument :
MSVOA_Y
ClientSampleId :
T3

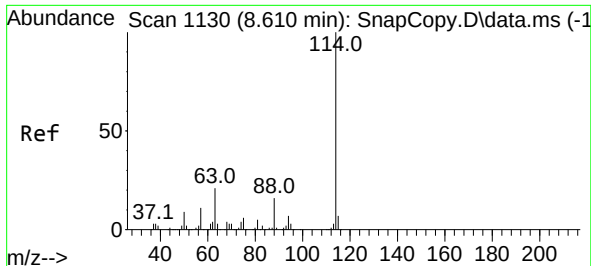
Tgt Ion: 56 Resp: 860
Ion Ratio Lower Upper
56 100
69 148.9 26.2 39.4#
84 93.1 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 37.024 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021391.D
Acq: 28 Feb 2025 19:25

Tgt Ion: 65 Resp: 11897
Ion Ratio Lower Upper
65 100
67 48.0 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY021391.D

Acq: 28 Feb 2025 19:25

Instrument :

MSVOA_Y

ClientSampleId :

T3

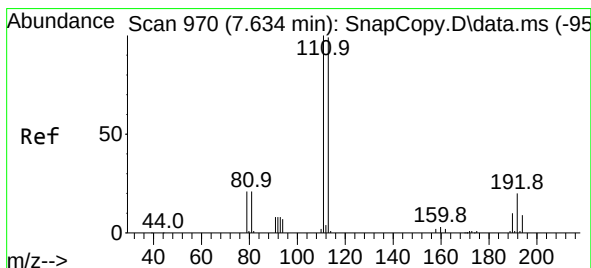
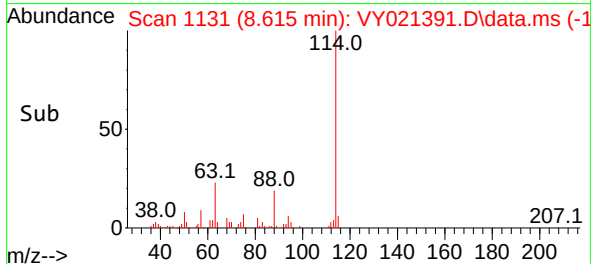
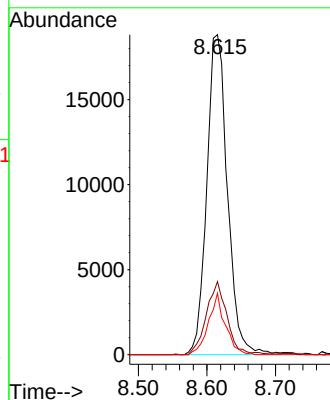
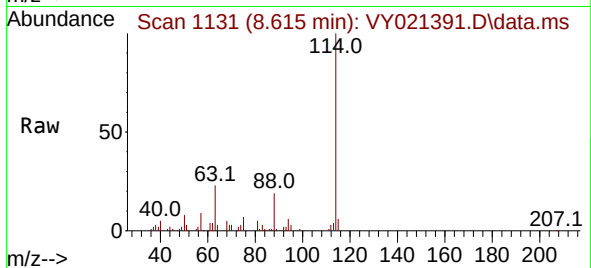
Tgt Ion:114 Resp: 39483

Ion Ratio Lower Upper

114 100

63 22.8 0.0 42.2

88 19.2 0.0 29.8



#35

Dibromofluoromethane

Concen: 49.402 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY021391.D

Acq: 28 Feb 2025 19:25

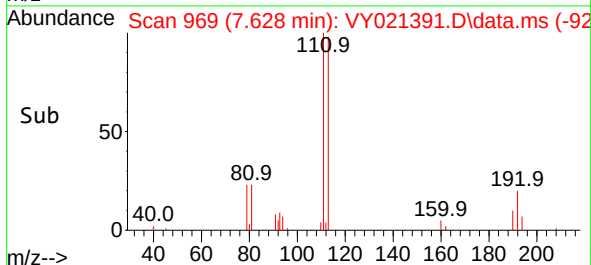
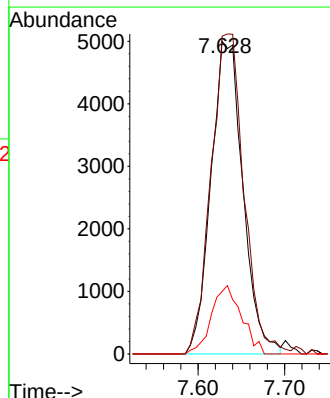
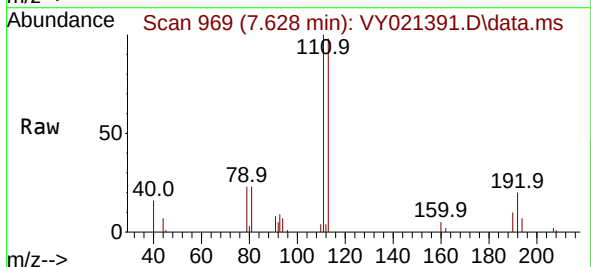
Tgt Ion:113 Resp: 12788

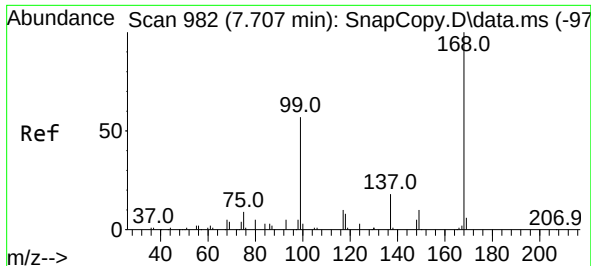
Ion Ratio Lower Upper

113 100

111 105.2 81.0 121.6

192 20.6 15.8 23.8

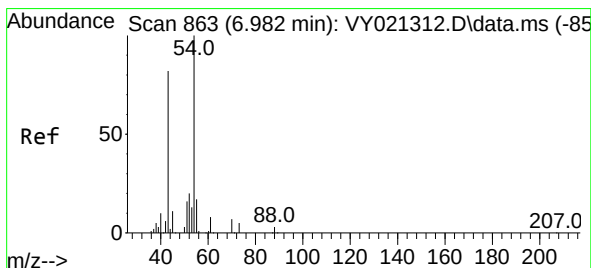
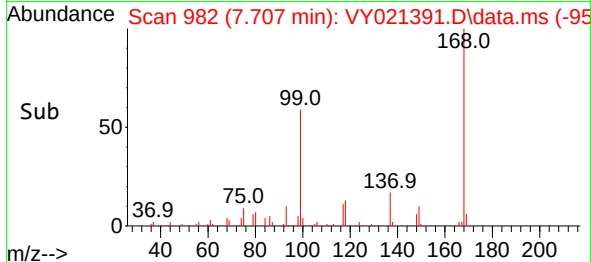
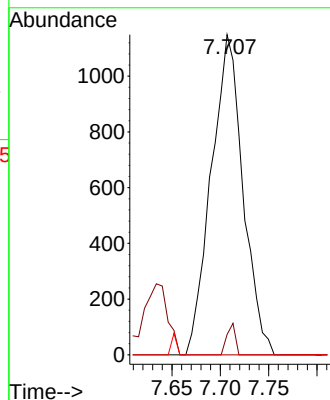
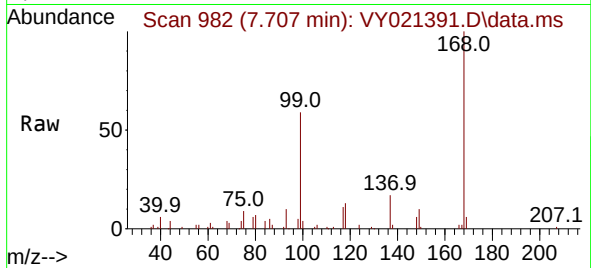




#36
1,1-Dichloropropene
Concen: 6.754 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY021391.D
Acq: 28 Feb 2025 19:25

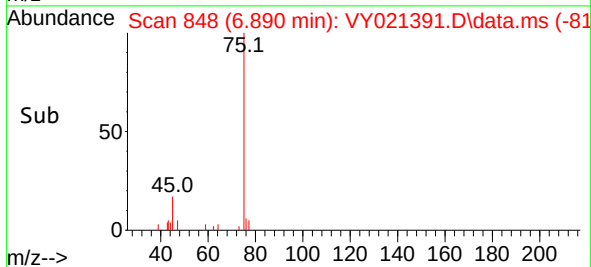
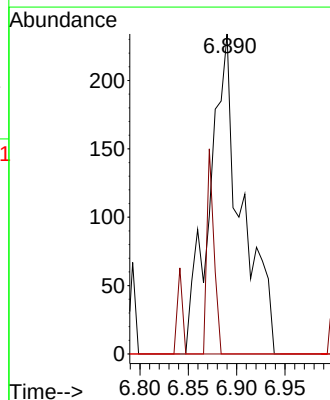
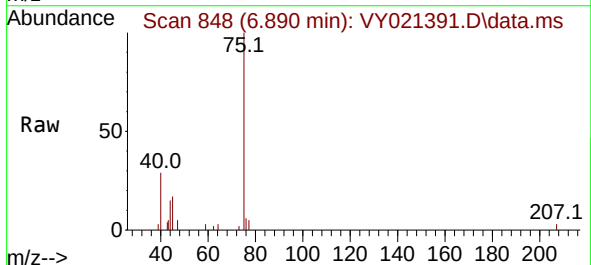
Instrument :
MSVOA_Y
ClientSampleId :
T3

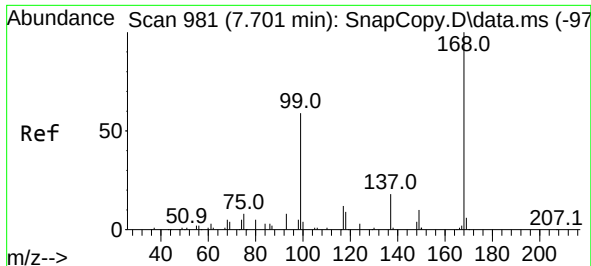
Tgt Ion: 75 Resp: 2626
Ion Ratio Lower Upper
75 100
110 2.6 16.9 50.7#
77 0.0 24.6 36.8#



#37
Ethyl Acetate
Concen: 2.792 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.092 min
Lab File: VY021391.D
Acq: 28 Feb 2025 19:25

Tgt Ion: 43 Resp: 540
Ion Ratio Lower Upper
43 100
61 14.3 10.4 15.6
70 0.0 7.5 11.3#

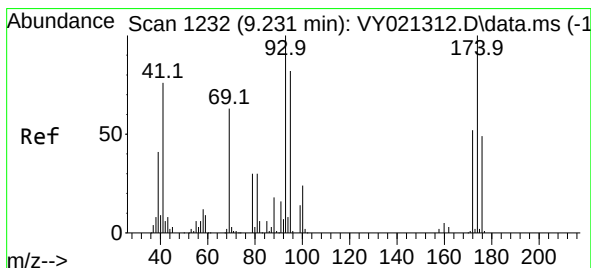
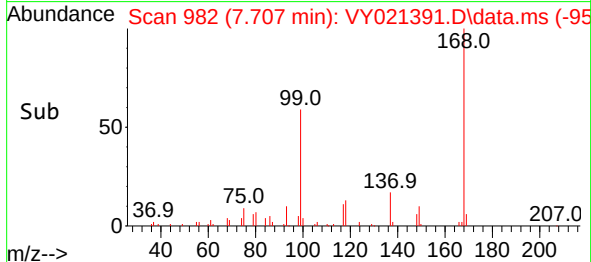
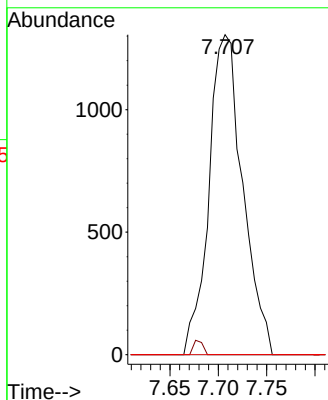
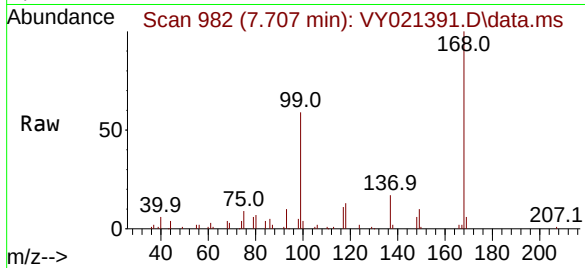




#38
Carbon Tetrachloride
Concen: 7.256 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021391.D
Acq: 28 Feb 2025 19:25

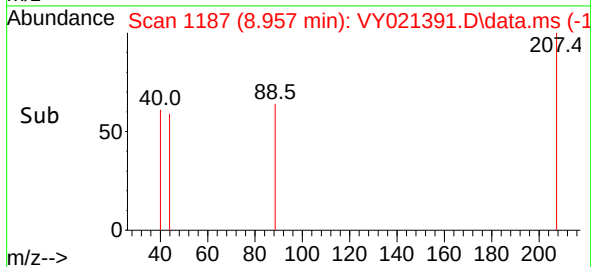
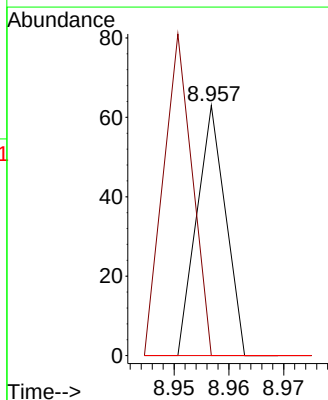
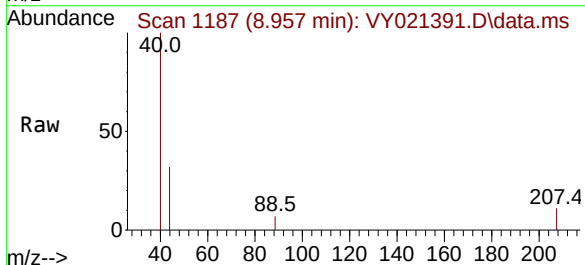
Instrument :
MSVOA_Y
ClientSampleId :
T3

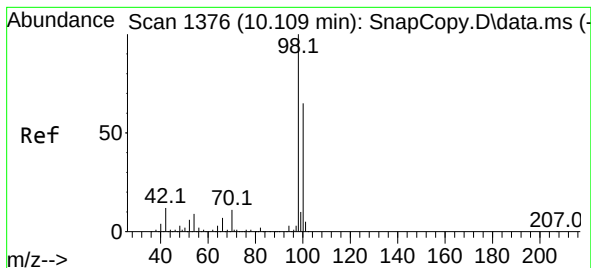
Tgt Ion:117 Resp: 3172
Ion Ratio Lower Upper
117 100
119 0.0 76.0 114.0#
121 0.0 24.9 37.3#



#49
1,4-Dioxane
Concen: 13.681 ug/l
RT: 8.957 min Scan# 1187
Delta R.T. -0.274 min
Lab File: VY021391.D
Acq: 28 Feb 2025 19:25

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 130.4 34.8 52.2#
58 0.0 59.8 89.6#





#50

Toluene-d8

Concen: 42.260 ug/l

RT: 10.103 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021391.D

Acq: 28 Feb 2025 19:25

Instrument :

MSVOA_Y

ClientSampleId :

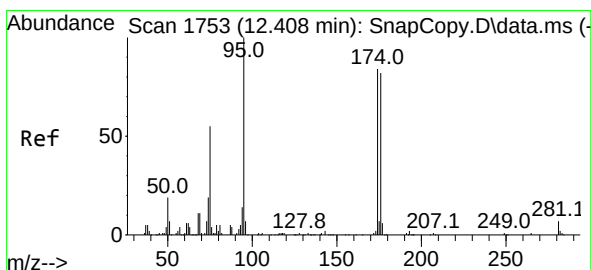
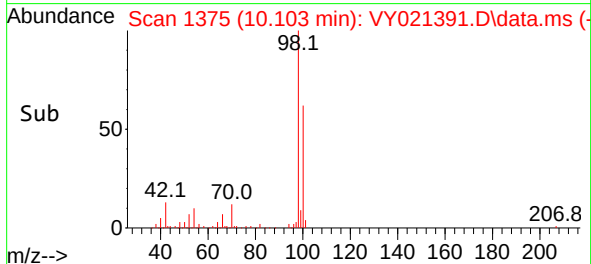
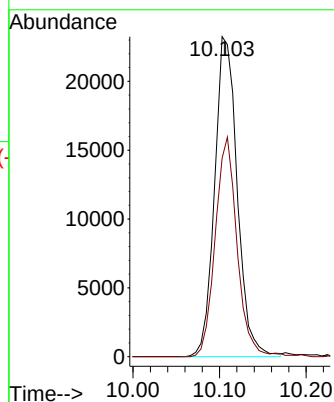
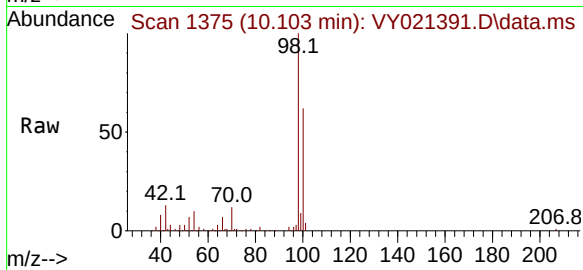
T3

Tgt Ion: 98 Resp: 42277

Ion Ratio Lower Upper

98 100

100 66.2 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 23.955 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY021391.D

Acq: 28 Feb 2025 19:25

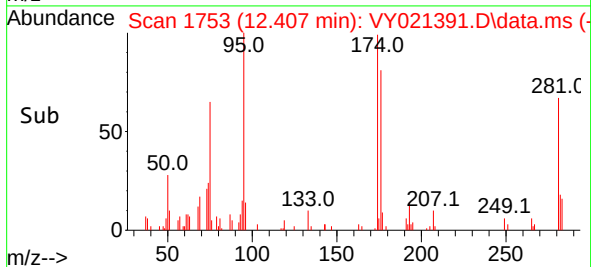
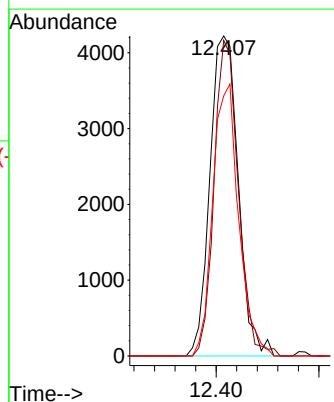
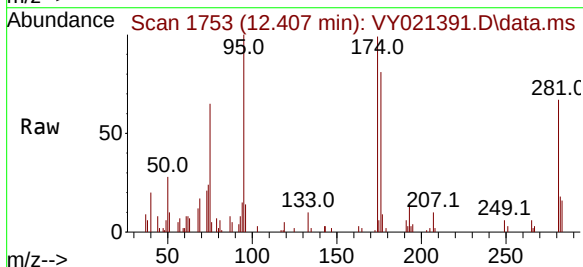
Tgt Ion: 95 Resp: 8065

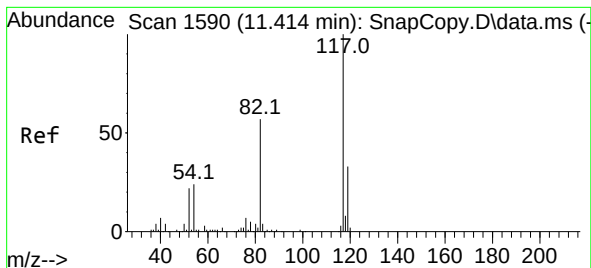
Ion Ratio Lower Upper

95 100

174 84.4 0.0 168.0

176 77.9 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021391.D

Acq: 28 Feb 2025 19:25

Instrument :

MSVOA_Y

ClientSampleId :

T3

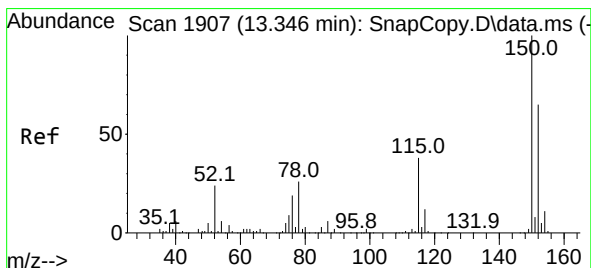
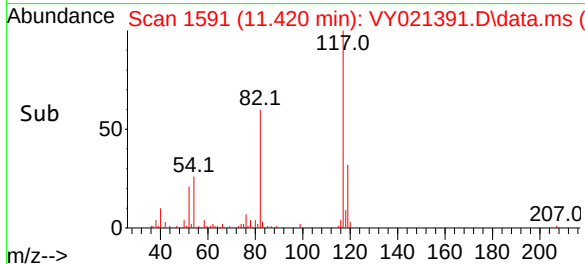
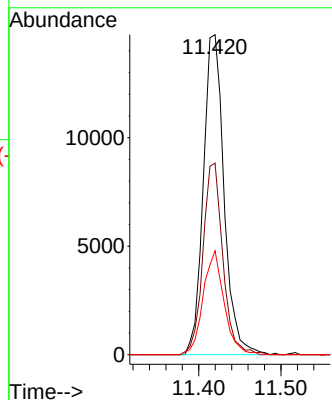
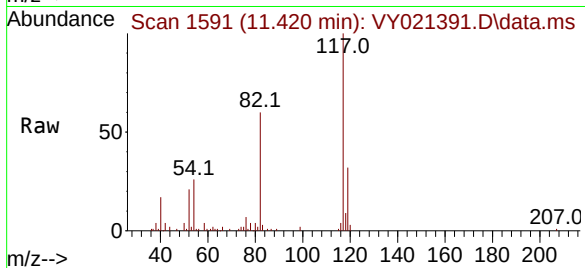
Tgt Ion:117 Resp: 25853

Ion Ratio Lower Upper

117 100

82 59.8 46.2 69.4

119 32.5 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021391.D

Acq: 28 Feb 2025 19:25

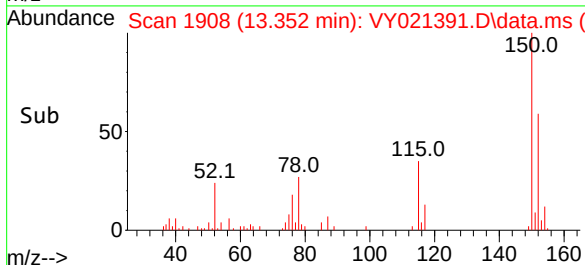
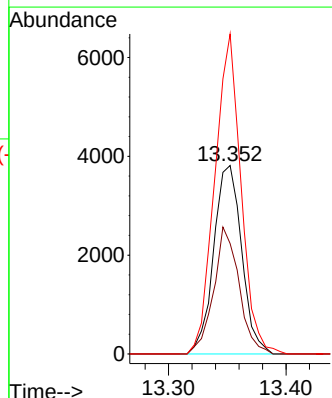
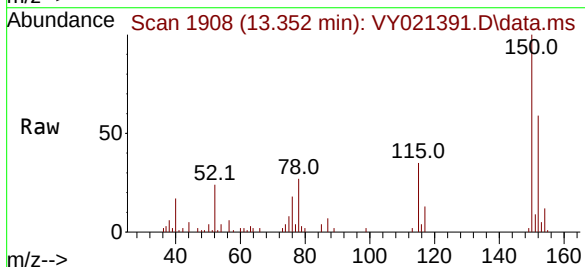
Tgt Ion:152 Resp: 6315

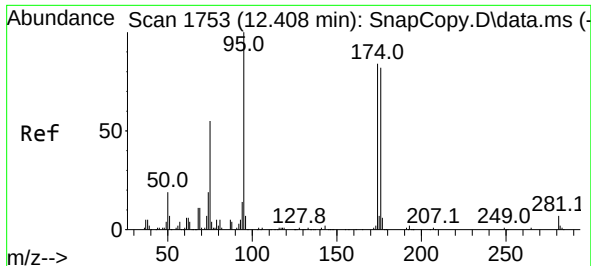
Ion Ratio Lower Upper

152 100

115 61.1 29.3 88.0

150 159.0 0.0 347.4

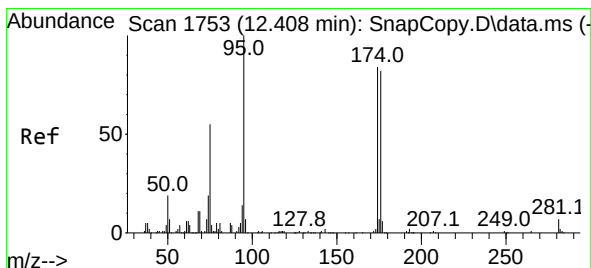
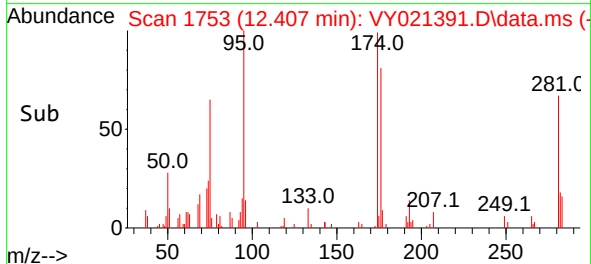
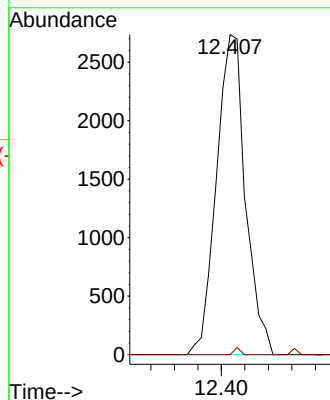
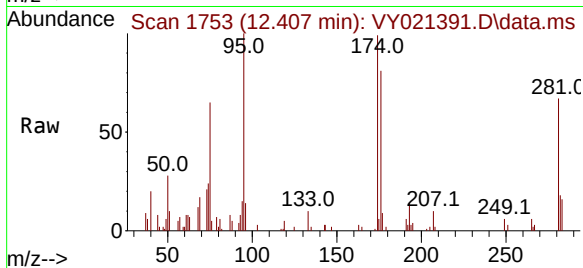




#76
1,2,3-Trichloropropane
Concen: 74.197 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.153 min
Lab File: VY021391.D
Acq: 28 Feb 2025 19:25

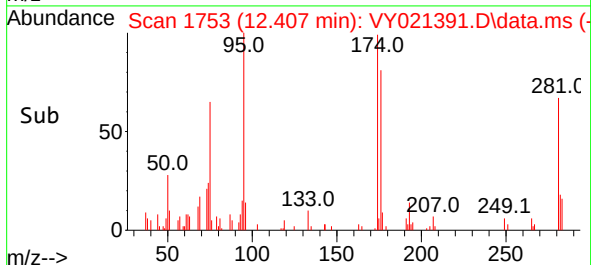
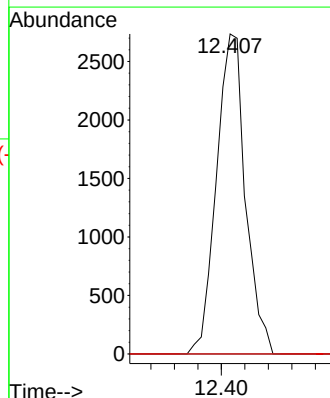
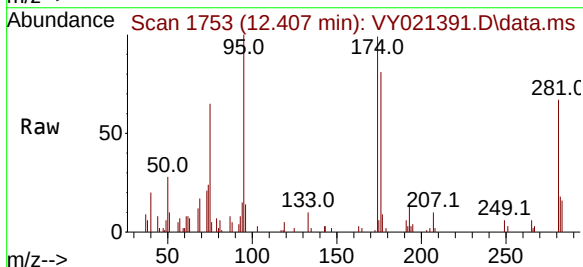
Instrument :
MSVOA_Y
ClientSampleId :
T3

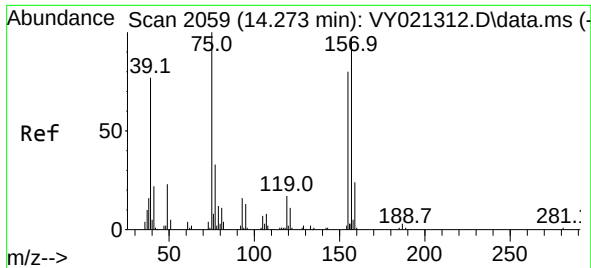
Tgt Ion: 75 Resp: 4690
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 164.914 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021391.D
Acq: 28 Feb 2025 19:25

Tgt Ion: 75 Resp: 4690
Ion Ratio Lower Upper
75 100
53 0.0 79.1 118.7#
89 0.0 35.6 53.4#





#92
1,2-Dibromo-3-Chloropropane
Concen: 1.509 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY021391.D
Acq: 28 Feb 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
T3

Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
155 0.0 41.9 125.6#
157 0.0 52.5 157.6#

