

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
 Data File : VY021038.D
 Acq On : 03 Feb 2025 18:34
 Operator : SY/MD
 Sample : Q1216-17
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 04 00:58:48 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)

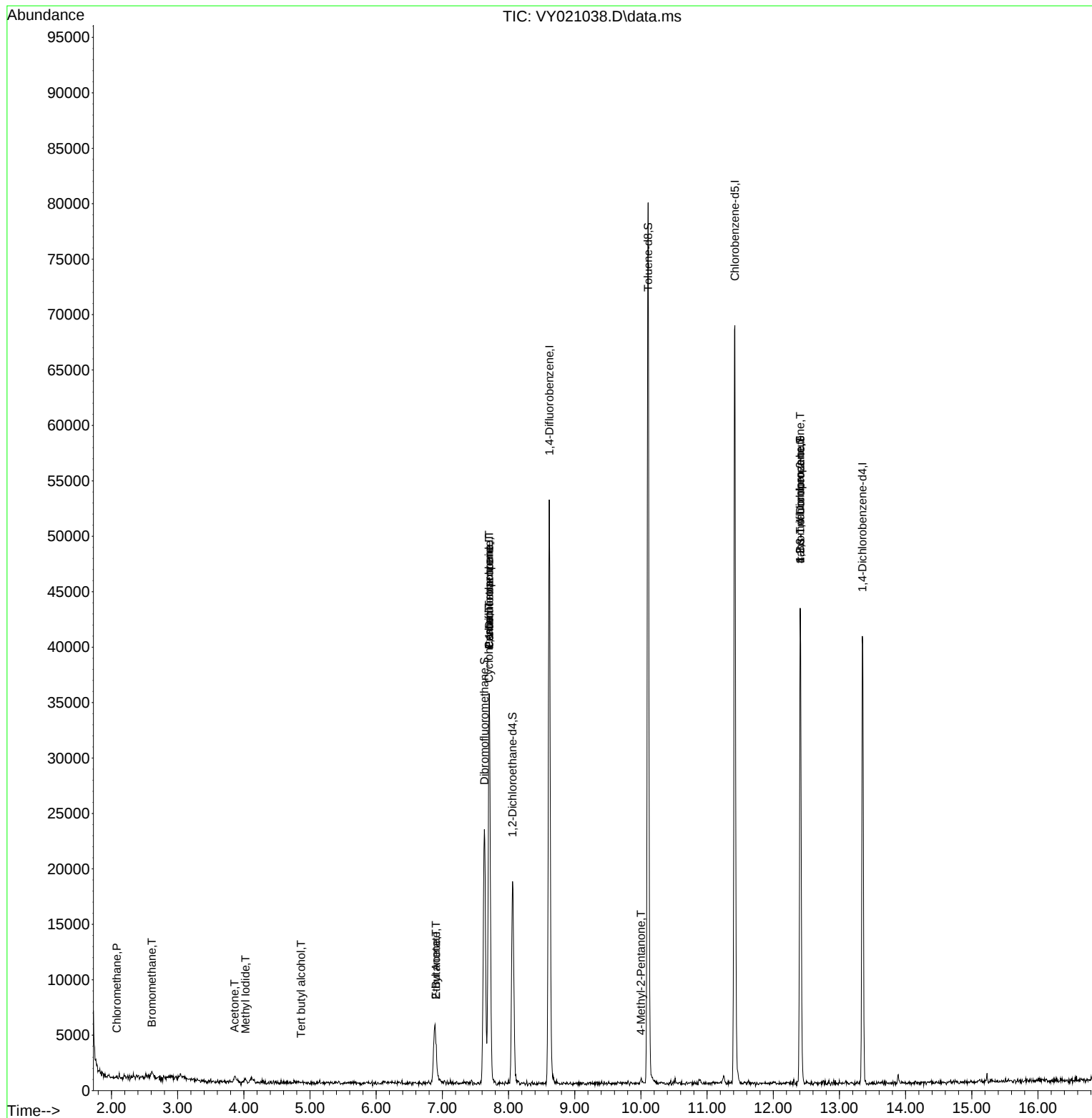
Internal Standards						
1) Pentafluorobenzene	7.707	168	27029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	44615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	36780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	10812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	15709	56.725	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.440%	
35) Dibromofluoromethane	7.634	113	16598	58.051	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.100%	
50) Toluene-d8	10.109	98	52531	48.259	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.520%	
62) 4-Bromofluorobenzene	12.408	95	12686	35.673	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 71.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.080	50	243	1.022	ug/l #	41
5) Bromomethane	2.611	94	244	1.650	ug/l #	67
10) Methyl Iodide	4.025	142	462	1.520	ug/l #	87
11) Tert butyl alcohol	4.866	59	22	1.172	ug/l #	75
16) Acetone	3.860	43	1163	26.929	ug/l #	76
25) 2-Butanone	6.902	43	311	4.382	ug/l #	48
31) Cyclohexane	7.701	56	601	1.272	ug/l #	53
36) 1,1-Dichloropropene	7.707	75	2107	4.975	ug/l #	50
37) Ethyl Acetate	6.902	43	311	1.674	ug/l #	1
38) Carbon Tetrachloride	7.707	117	3090	6.244	ug/l #	12
51) 4-Methyl-2-Pentanone	9.999	43	374	2.015	ug/l #	45
76) 1,2,3-Trichloropropane	12.408	75	6823	69.567	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	6823	141.950	ug/l #	12

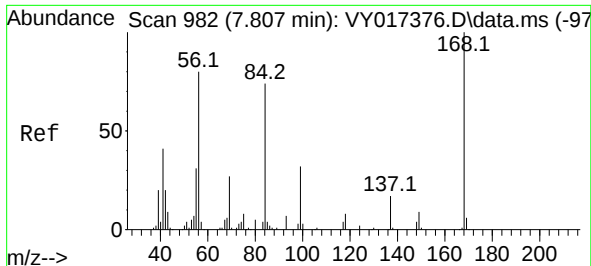
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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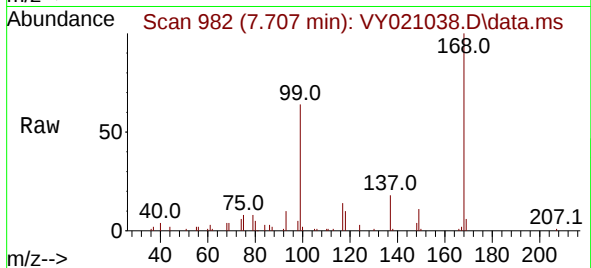
Quant Time: Feb 04 00:58:48 2025
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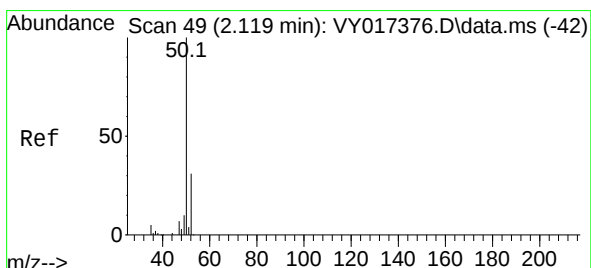
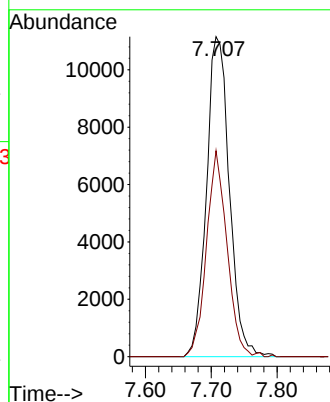
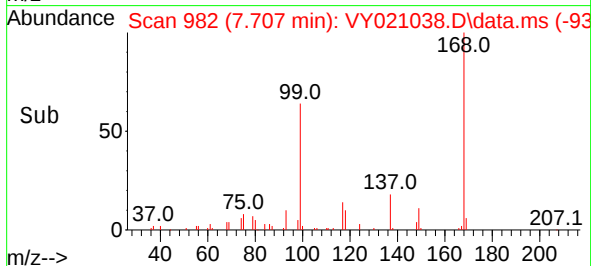


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021038.D
Acq: 03 Feb 2025 18:34

Instrument :
MSVOA_Y
ClientSampleId :

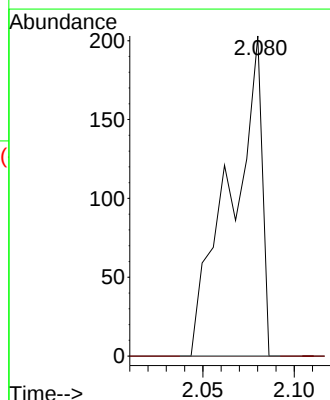
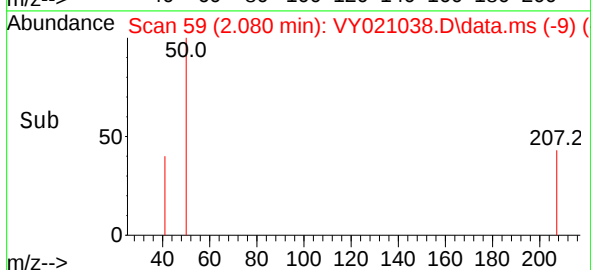
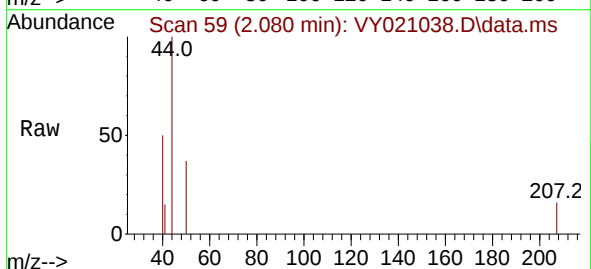


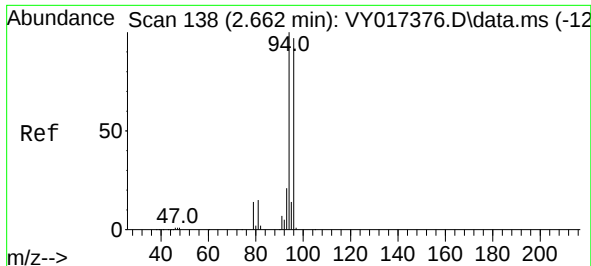
Tgt Ion:168 Resp: 27029
Ion Ratio Lower Upper
168 100
99 64.4 44.2 66.4



#3
Chloromethane
Concen: 1.022 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.006 min
Lab File: VY021038.D
Acq: 03 Feb 2025 18:34

Tgt Ion: 50 Resp: 243
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

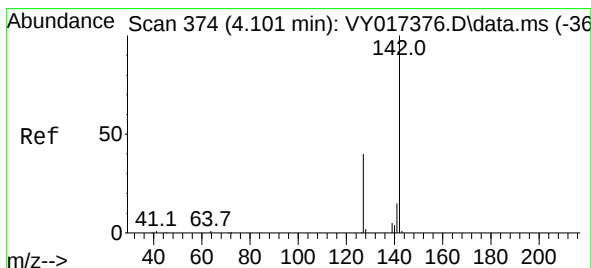
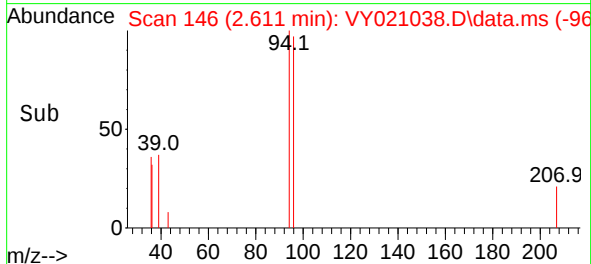
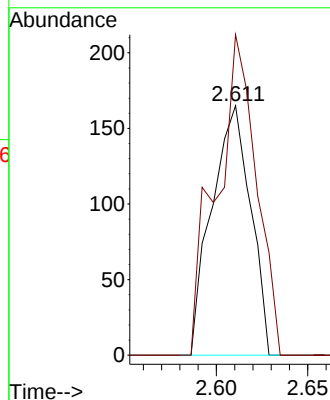
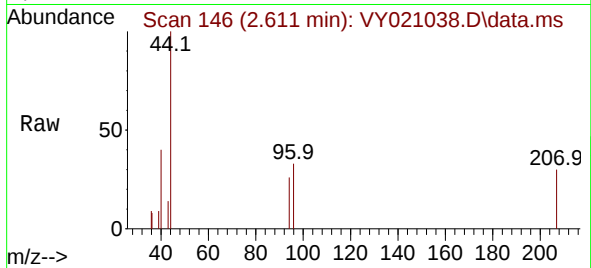




#5
Bromomethane
Concen: 1.650 ug/l
RT: 2.611 min Scan# 146
Delta R.T. 0.006 min
Lab File: VY021038.D
Acq: 03 Feb 2025 18:34

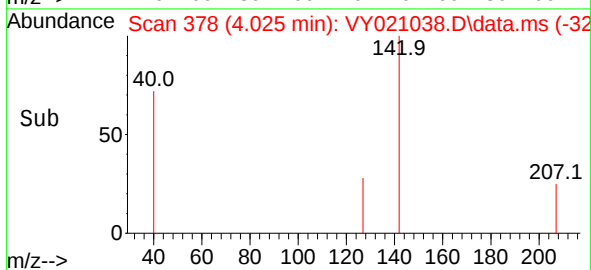
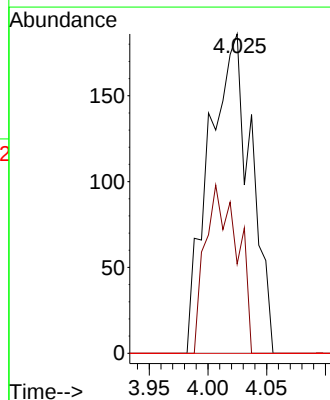
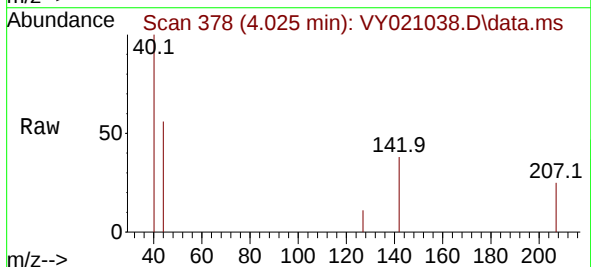
Instrument :
MSVOA_Y
ClientSampleId :

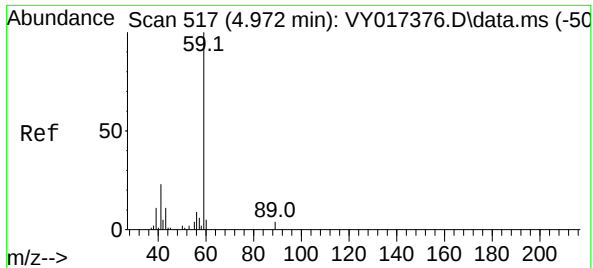
Tgt Ion: 94 Resp: 244
Ion Ratio Lower Upper
94 100
96 128.5 77.3 115.9#



#10
Methyl Iodide
Concen: 1.520 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.012 min
Lab File: VY021038.D
Acq: 03 Feb 2025 18:34

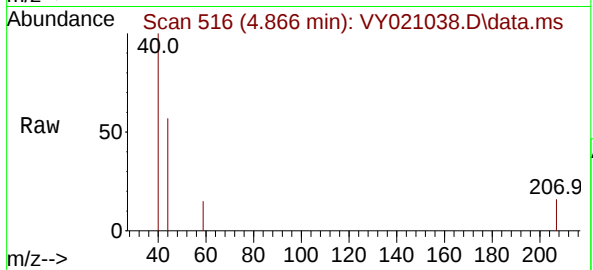
Tgt Ion:142 Resp: 462
Ion Ratio Lower Upper
142 100
127 40.5 35.1 52.7
141 0.0 11.8 17.6#



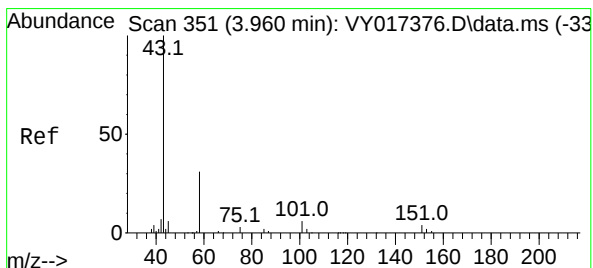
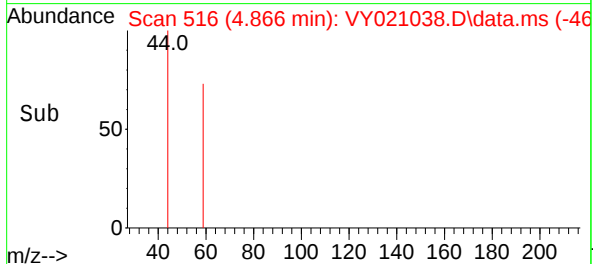
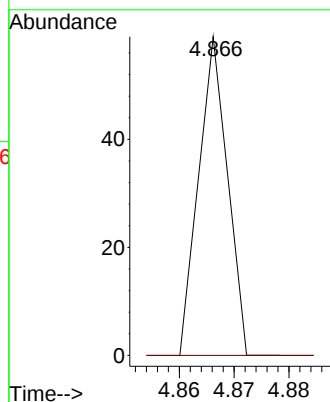


#11
Tert butyl alcohol
Concen: 1.172 ug/l
RT: 4.866 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY021038.D
Acq: 03 Feb 2025 18:34

Instrument :
MSVOA_Y
ClientSampleId :

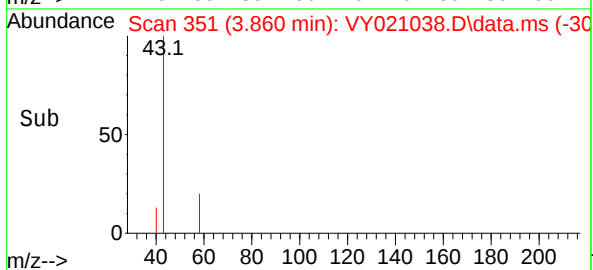
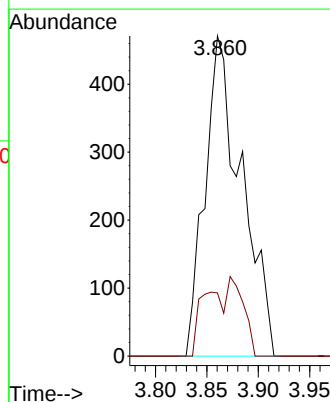
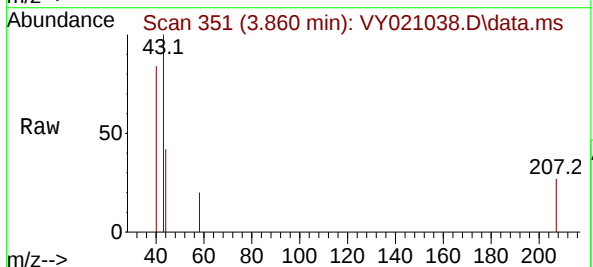


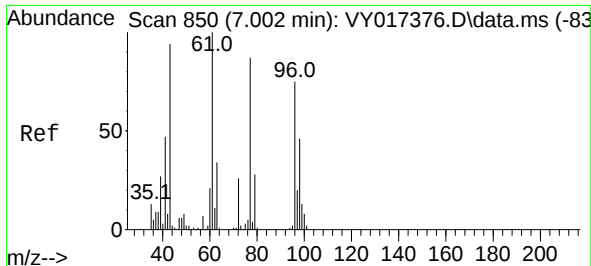
Tgt Ion: 59 Resp: 22
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#16
Acetone
Concen: 26.929 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.019 min
Lab File: VY021038.D
Acq: 03 Feb 2025 18:34

Tgt Ion: 43 Resp: 1163
Ion Ratio Lower Upper
43 100
58 19.7 26.6 39.8#





#25

2-Butanone

Concen: 4.382 ug/l

RT: 6.902 min Scan# 850

Delta R.T. -0.000 min

Lab File: VY021038.D

Acq: 03 Feb 2025 18:34

Instrument :

MSVOA_Y

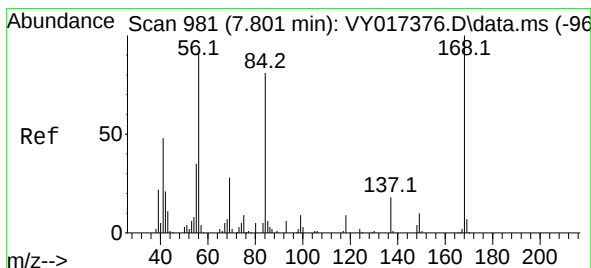
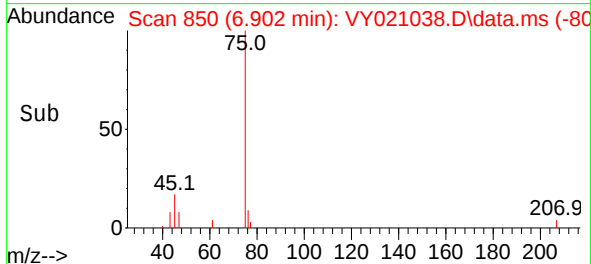
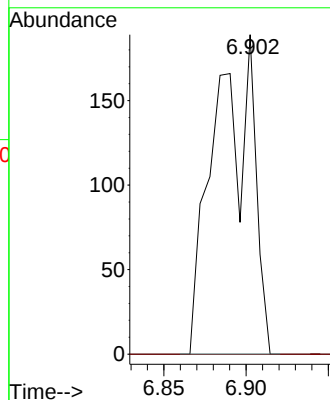
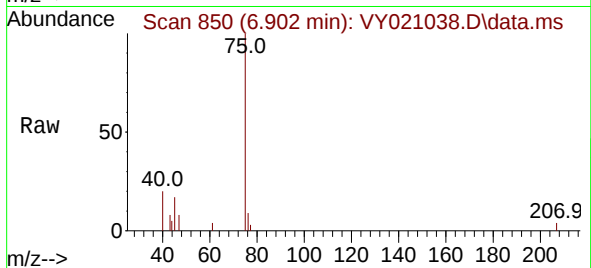
ClientSampleId :

Tgt Ion: 43 Resp: 311

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.272 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY021038.D

Acq: 03 Feb 2025 18:34

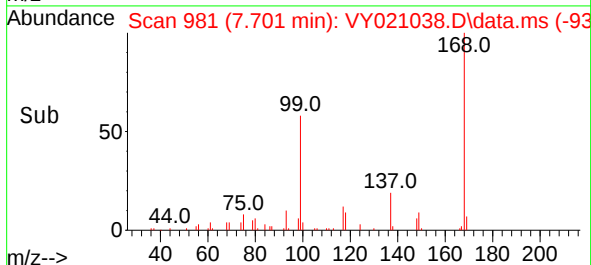
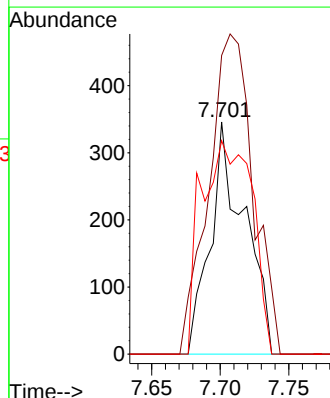
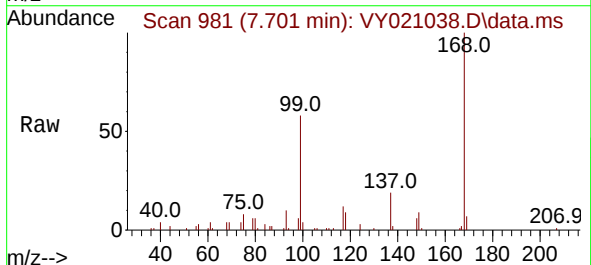
Tgt Ion: 56 Resp: 601

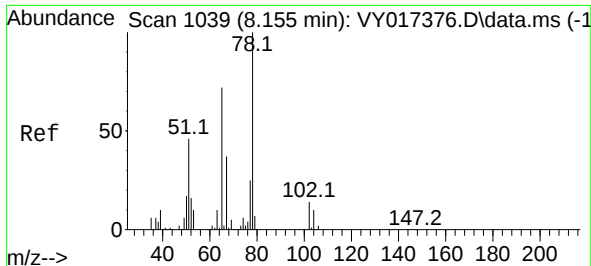
Ion Ratio Lower Upper

56 100

69 128.6 27.0 40.6#

84 91.9 71.8 107.6





#33

1,2-Dichloroethane-d4

Concen: 56.725 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021038.D

Acq: 03 Feb 2025 18:34

Instrument :

MSVOA_Y

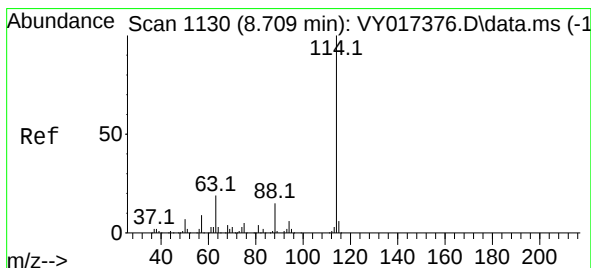
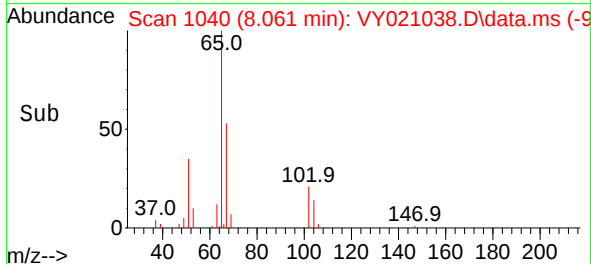
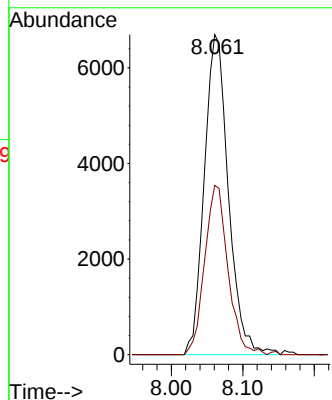
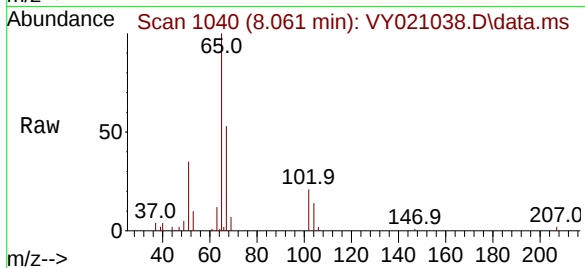
ClientSampleId :

Tgt Ion: 65 Resp: 15709

Ion Ratio Lower Upper

65 100

67 51.1 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021038.D

Acq: 03 Feb 2025 18:34

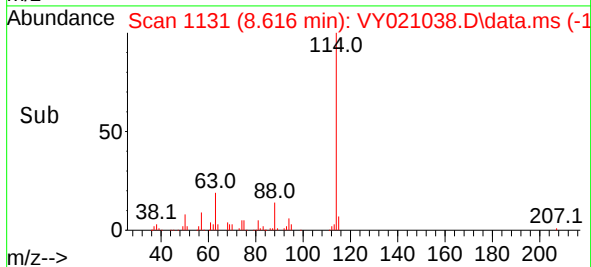
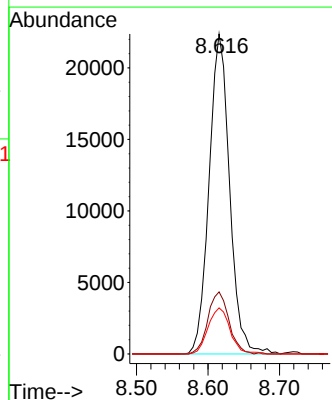
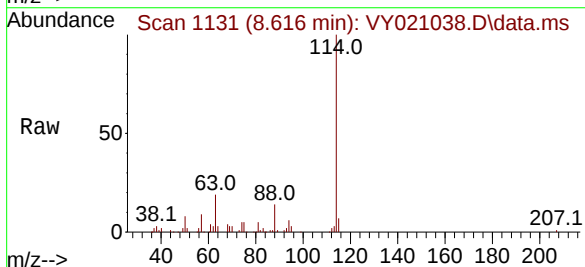
Tgt Ion: 114 Resp: 44615

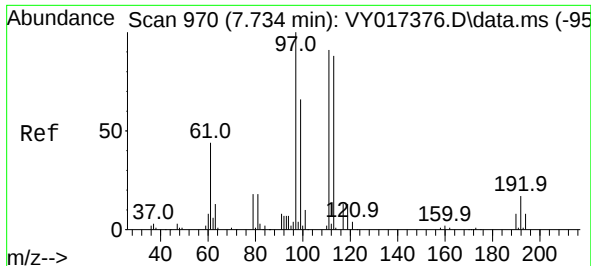
Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.4

88 14.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 58.051 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

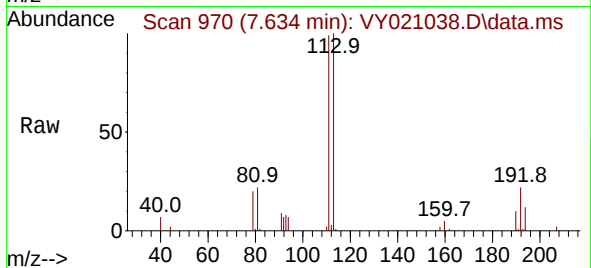
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Acq: 03 Feb 2025 18:34

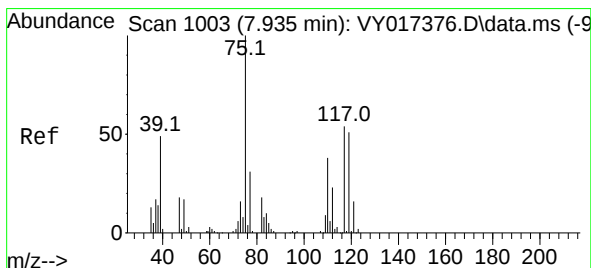
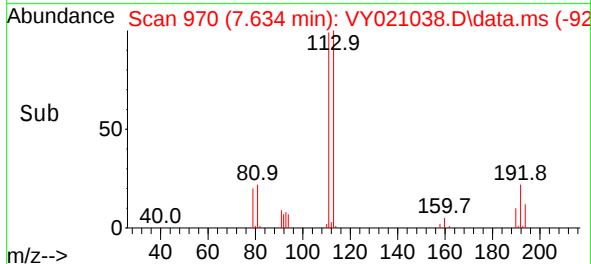
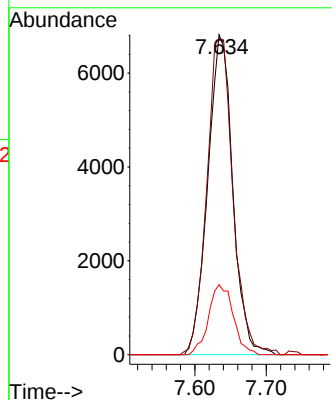
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	113	Resp:	16598
Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.8	125.6
192	21.6	14.5	21.7



#36

1,1-Dichloropropene

Concen: 4.975 ug/l

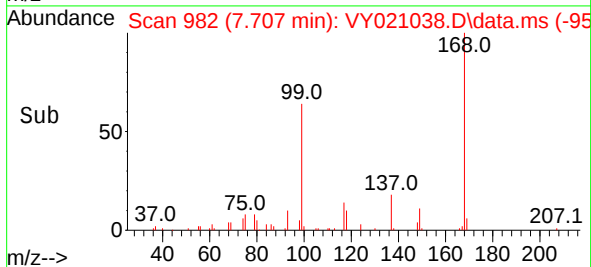
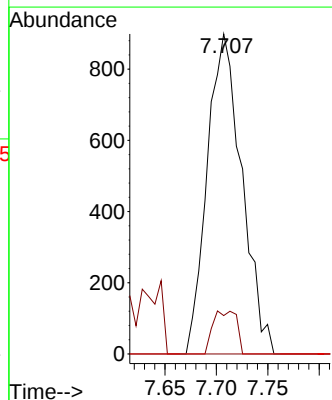
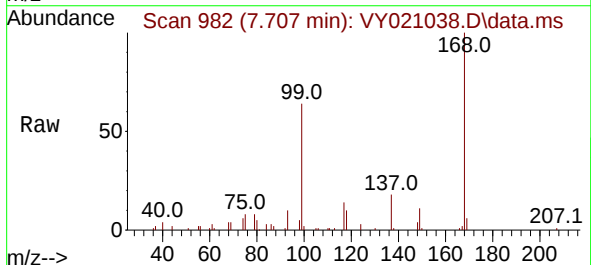
RT: 7.707 min Scan# 982

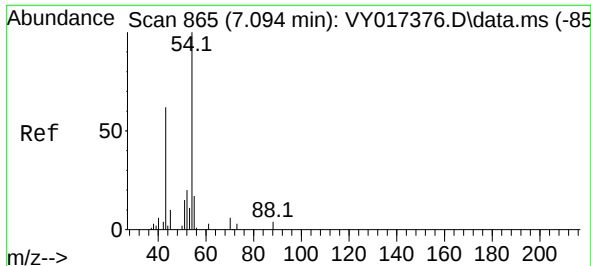
Delta R.T. -0.134 min

Lab File: VY021038.D

Acq: 03 Feb 2025 18:34

Tgt Ion:	75	Resp:	2107
Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.4	52.3#
77	0.0	24.7	37.1#





#37

Ethyl Acetate

Concen: 1.674 ug/l

RT: 6.902 min Scan# 811

Delta R.T. -0.086 min

Lab File: VY021038.D

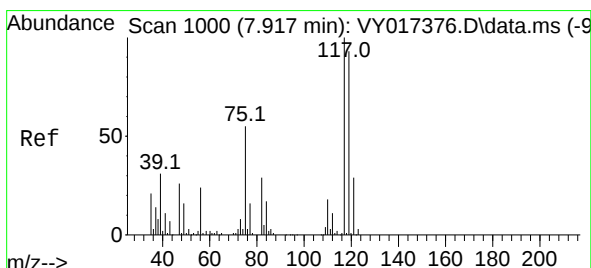
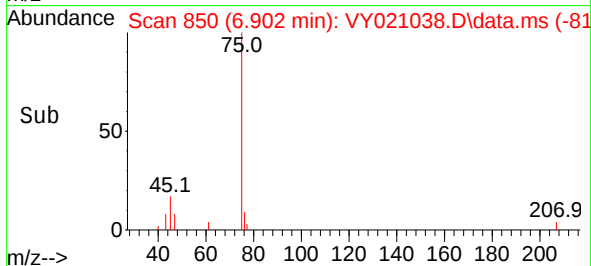
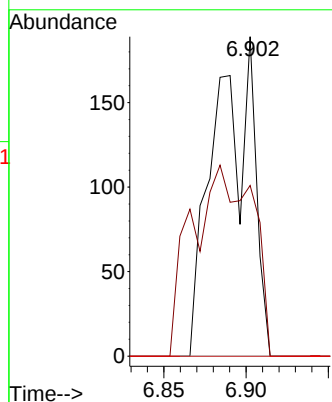
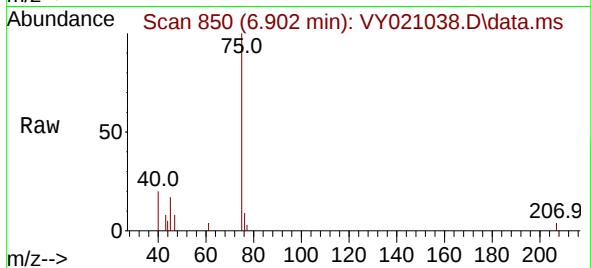
Acq: 03 Feb 2025 18:34

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	43	Resp:	311
Ion	Ratio	Lower	Upper
43	100		
61	93.2	11.0	16.6#
70	0.0	8.1	12.1#



#38

Carbon Tetrachloride

Concen: 6.244 ug/l

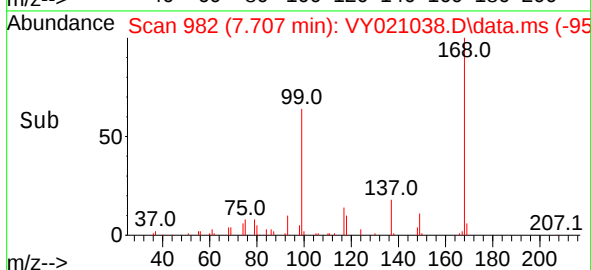
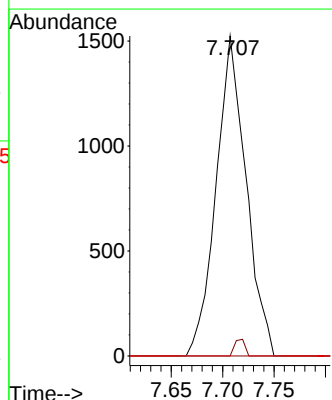
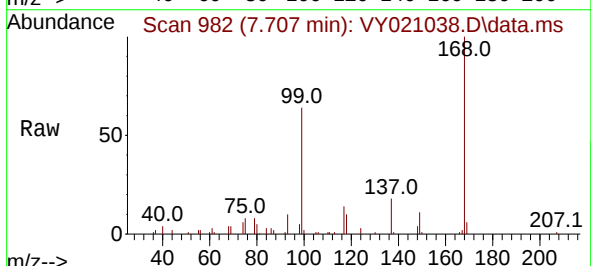
RT: 7.707 min Scan# 982

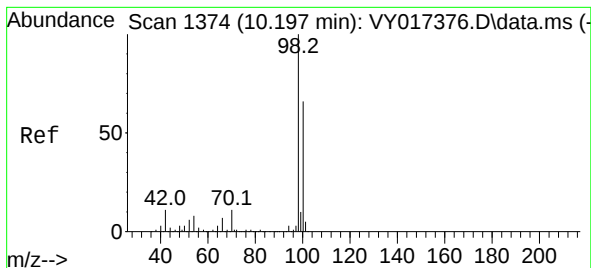
Delta R.T. -0.116 min

Lab File: VY021038.D

Acq: 03 Feb 2025 18:34

Tgt Ion:	117	Resp:	3090
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.0	114.0#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 48.259 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021038.D

Acq: 03 Feb 2025 18:34

Instrument :

MSVOA_Y

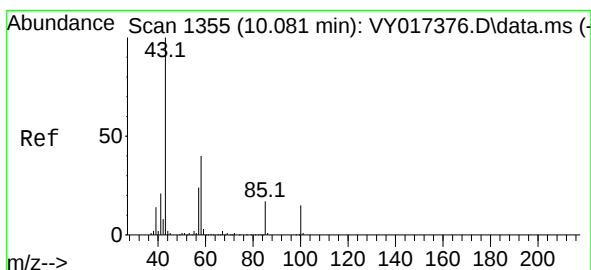
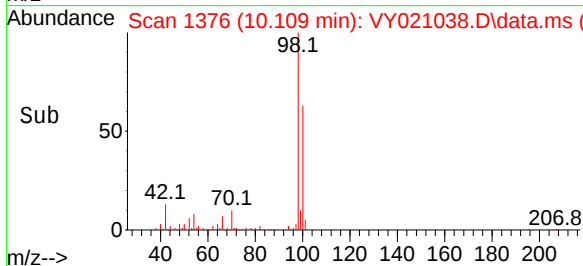
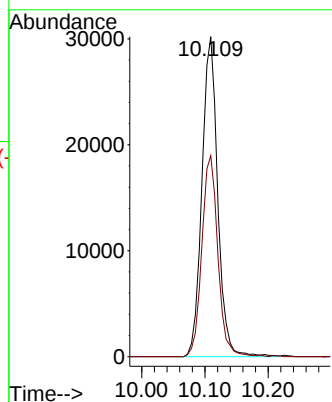
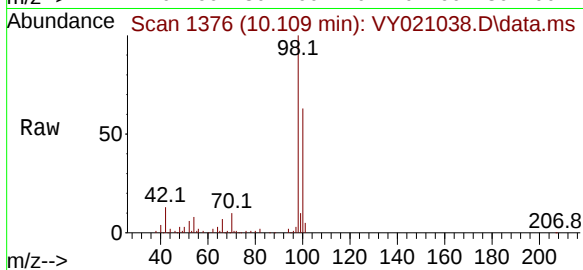
ClientSampleId :

Tgt Ion: 98 Resp: 52531

Ion Ratio Lower Upper

98 100

100 63.7 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 2.015 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. -0.000 min

Lab File: VY021038.D

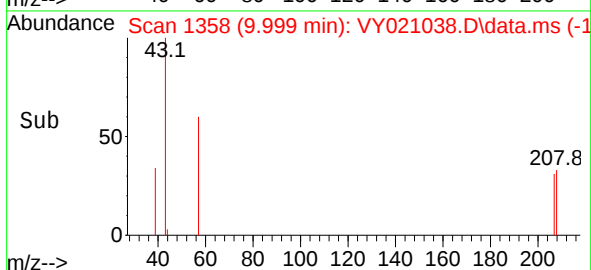
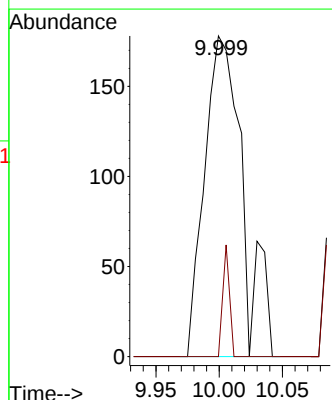
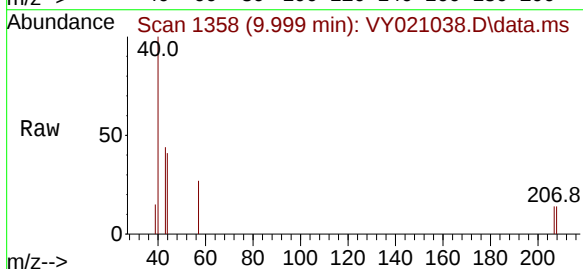
Acq: 03 Feb 2025 18:34

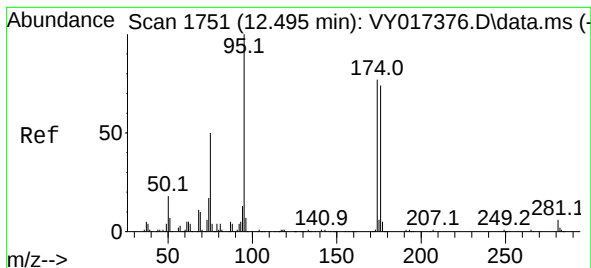
Tgt Ion: 43 Resp: 374

Ion Ratio Lower Upper

43 100

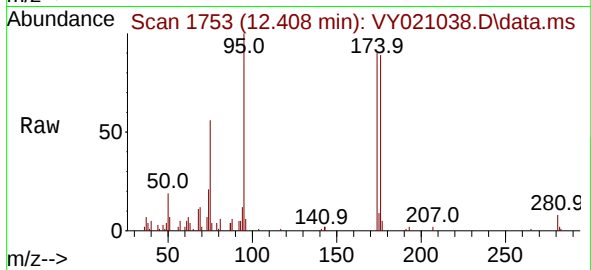
58 6.1 32.2 48.2#



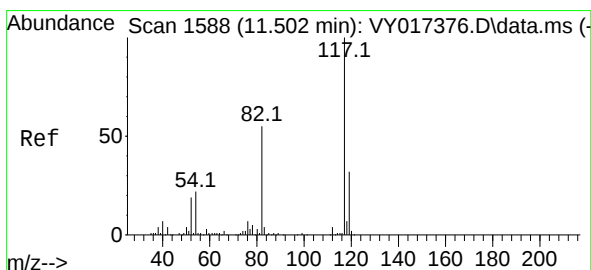
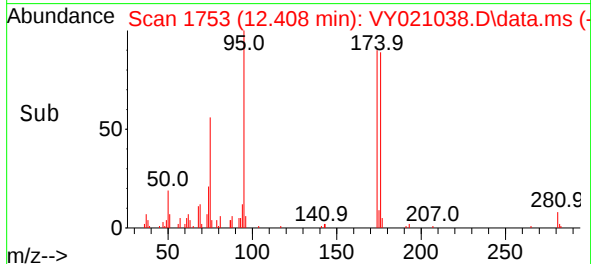
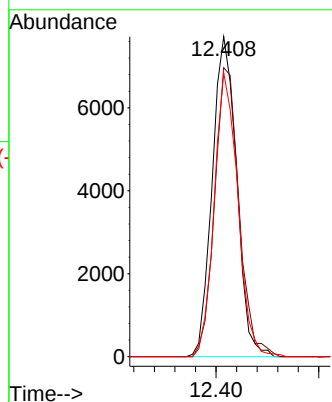


#62
4-Bromofluorobenzene
Concen: 35.673 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021038.D
Acq: 03 Feb 2025 18:34

Instrument :
MSVOA_Y
ClientSampleId :

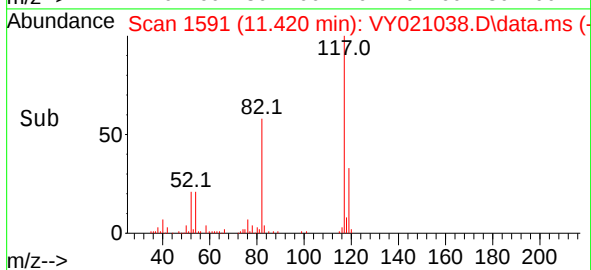
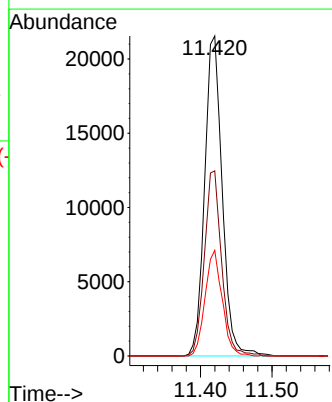
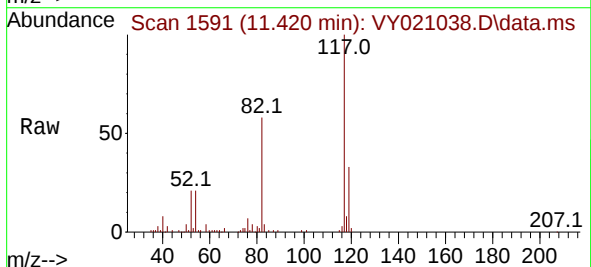


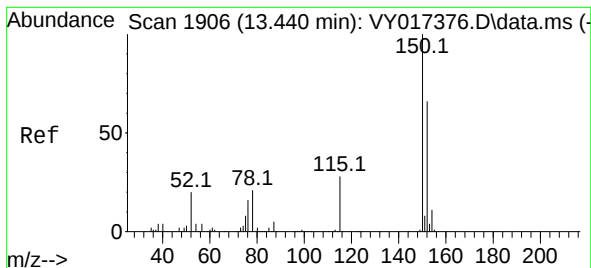
Tgt Ion: 95 Resp: 12686
Ion Ratio Lower Upper
95 100
174 90.4 0.0 160.0
176 85.9 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021038.D
Acq: 03 Feb 2025 18:34

Tgt Ion: 117 Resp: 36780
Ion Ratio Lower Upper
117 100
82 57.9 43.8 65.8
119 33.0 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021038.D

Acq: 03 Feb 2025 18:34

Instrument :

MSVOA_Y

ClientSampleId :

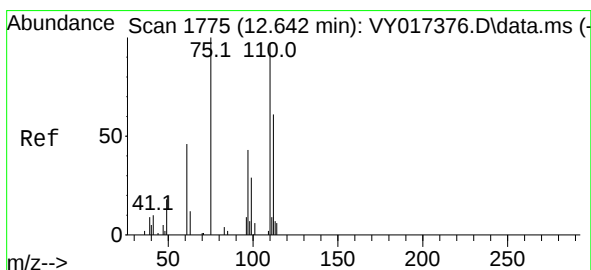
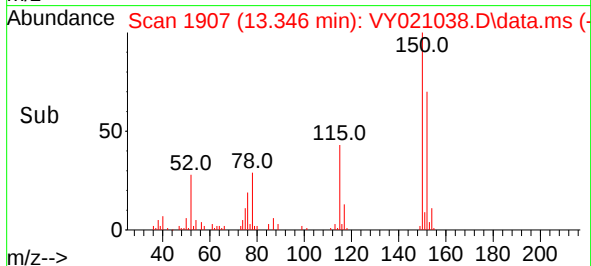
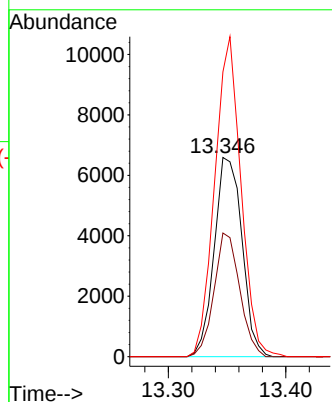
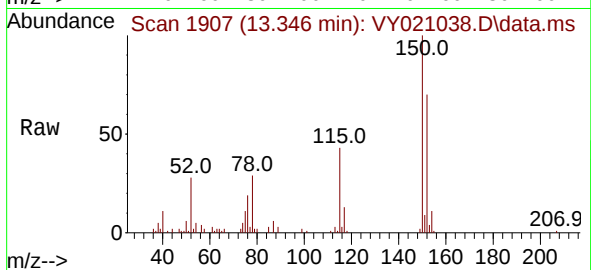
Tgt Ion:152 Resp: 10812

Ion Ratio Lower Upper

152 100

115 57.5 30.0 90.0

150 152.0 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 69.567 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.153 min

Lab File: VY021038.D

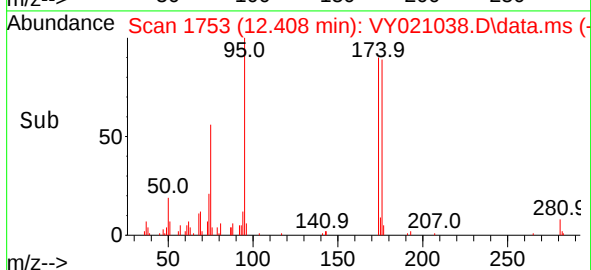
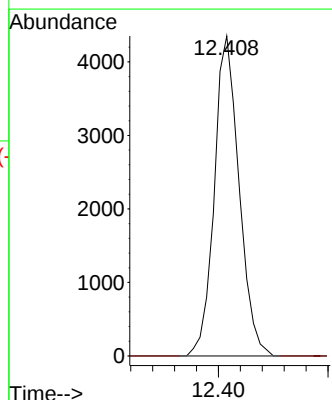
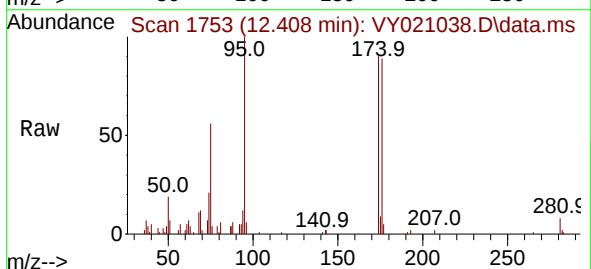
Acq: 03 Feb 2025 18:34

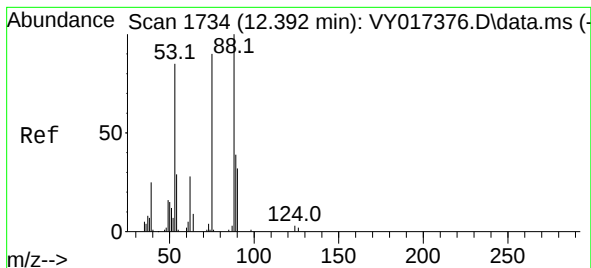
Tgt Ion: 75 Resp: 6823

Ion Ratio Lower Upper

75 100

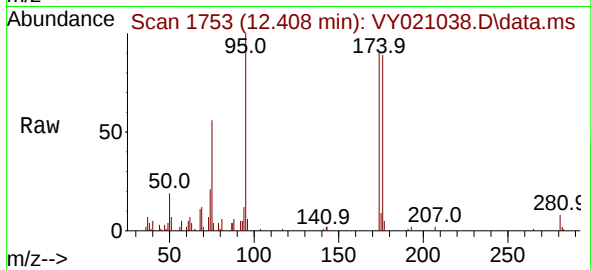
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.950 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY021038.D
 Acq: 03 Feb 2025 18:34

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 6823
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.0 36.5 54.7#

