

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
 Data File : VY020234.D
 Acq On : 08 Nov 2024 15:35
 Operator : SY/MD
 Sample : P4718-02
 Misc : 7.96g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 22:20:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

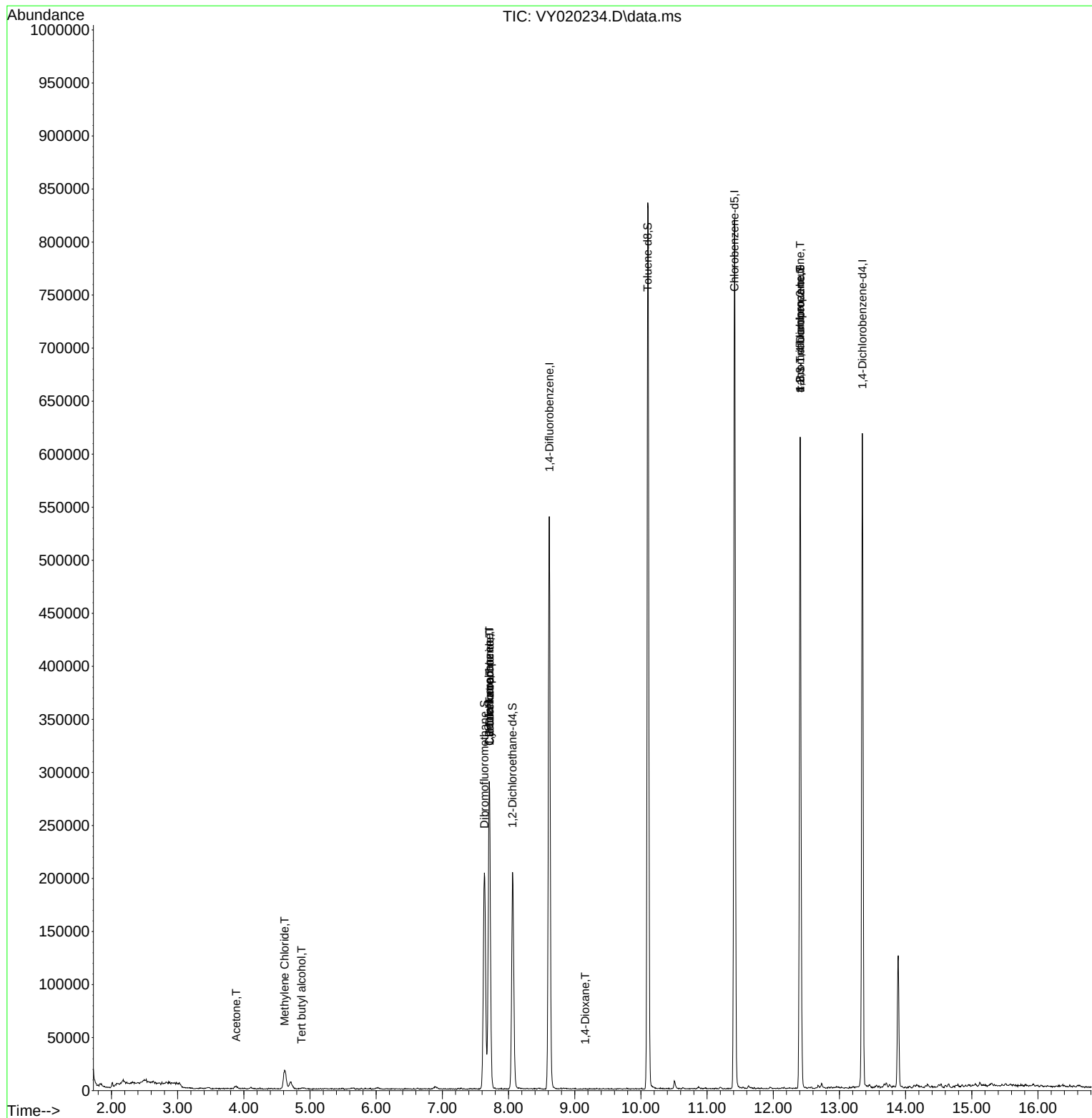
Internal Standards						
1) Pentafluorobenzene	7.707	168	200262	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	428332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	399084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	136217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	157720	63.103	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.200%	
35) Dibromofluoromethane	7.634	113	140994	51.773	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.540%	
50) Toluene-d8	10.103	98	531619	49.042	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.080%	
62) 4-Bromofluorobenzene	12.408	95	167289	47.512	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 95.020%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.872	59	893	4.967	ug/l	# 98
16) Acetone	3.885	43	4260	7.329	ug/l	# 81
20) Methylene Chloride	4.616	84	12182	4.665	ug/l	# 82
31) Cyclohexane	7.713	56	6357	1.402	ug/l	# 46
36) 1,1-Dichloropropene	7.713	75	19897	4.730	ug/l	# 48
38) Carbon Tetrachloride	7.713	117	22373	5.289	ug/l	# 17
49) 1,4-Dioxane	9.158	88	51	3.112	ug/l	# 20
76) 1,2,3-Trichloropropane	12.408	75	98193	76.900	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	98193	165.409	ug/l	# 16

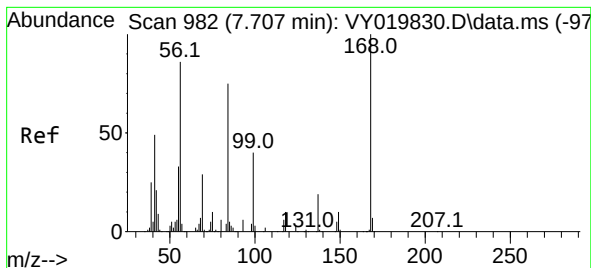
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY020234.D

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MSVOA_Y

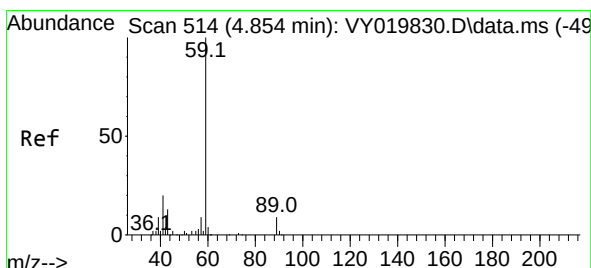
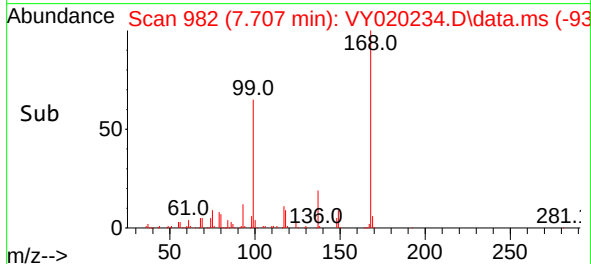
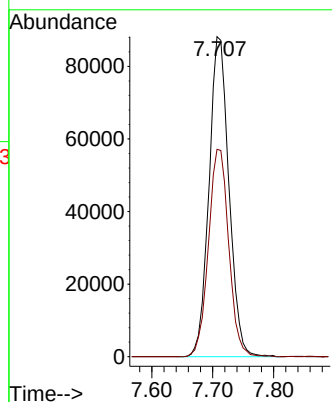
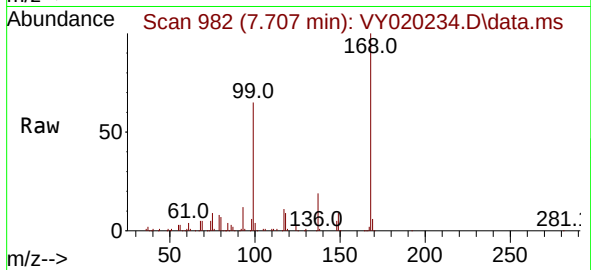
ClientSampleId :

Tgt Ion:168 Resp: 200262

Ion Ratio Lower Upper

168 100

99 64.8 39.1 58.7#



#11

Tert butyl alcohol

Concen: 4.967 ug/l

RT: 4.872 min Scan# 517

Delta R.T. 0.012 min

Lab File: VY020234.D

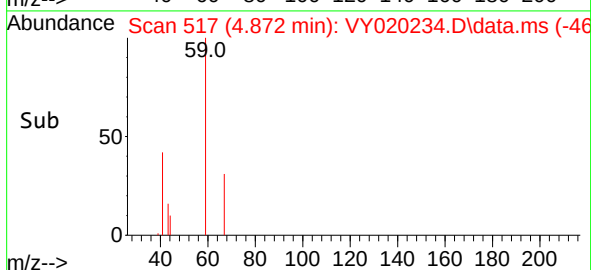
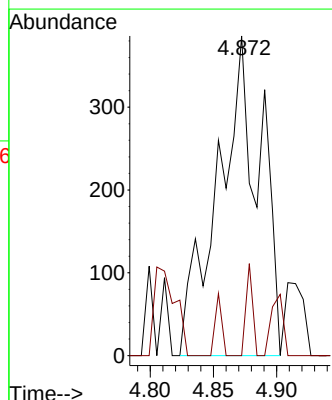
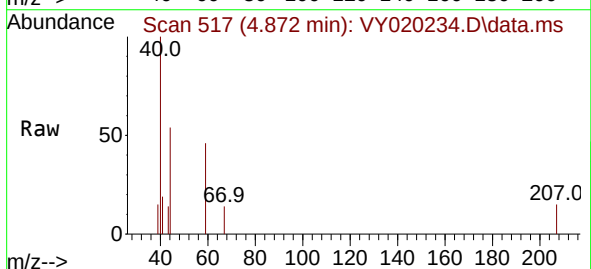
Acq: 08 Nov 2024 15:35

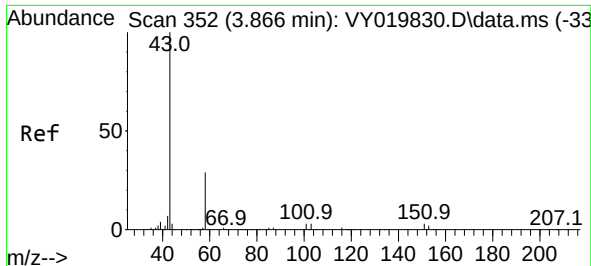
Tgt Ion: 59 Resp: 893

Ion Ratio Lower Upper

59 100

57 4.6 3.0 4.6#





#16

Acetone

Concen: 7.329 ug/l

RT: 3.885 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY020234.D

Acq: 08 Nov 2024 15:35

Instrument :

MSVOA_Y

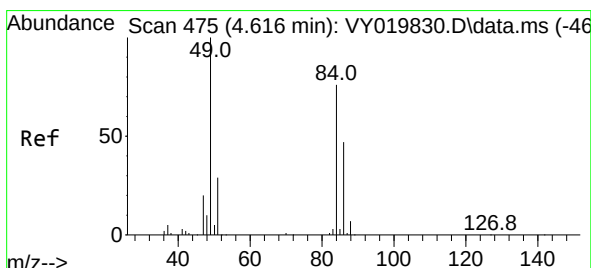
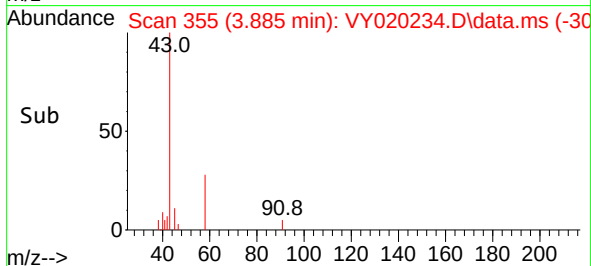
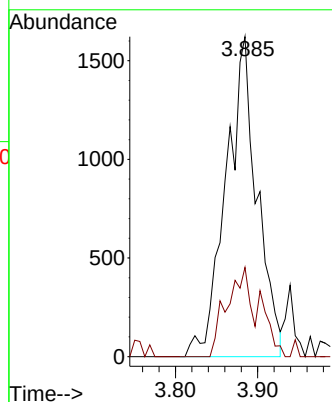
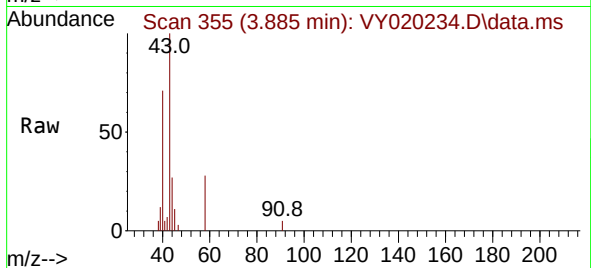
ClientSampleId :

Tgt Ion: 43 Resp: 4260

Ion Ratio Lower Upper

43 100

58 27.9 31.7 47.5#



#20

Methylene Chloride

Concen: 4.665 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY020234.D

Acq: 08 Nov 2024 15:35

Tgt Ion: 84 Resp: 12182

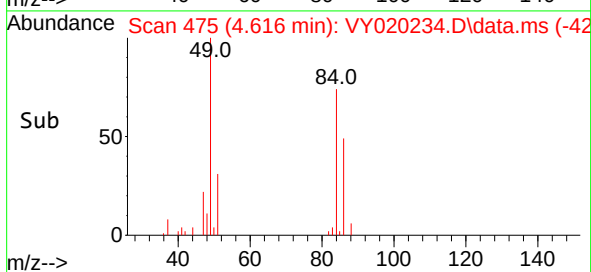
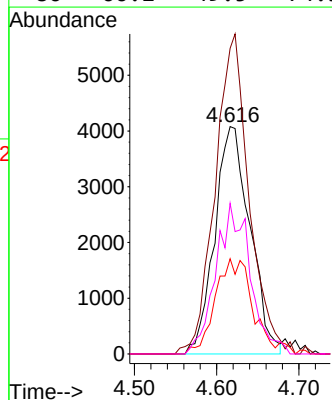
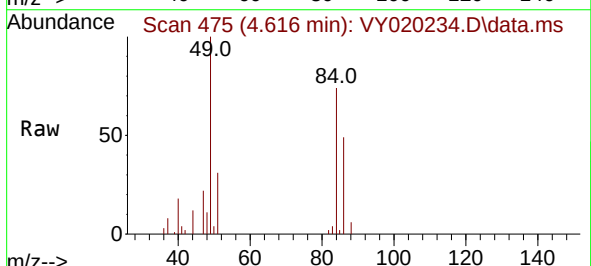
Ion Ratio Lower Upper

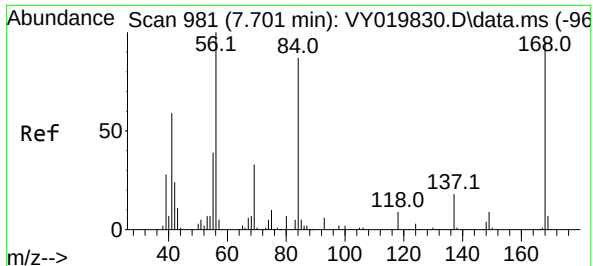
84 100

49 131.8 84.4 126.6#

51 41.9 26.0 39.0#

86 66.2 49.5 74.3

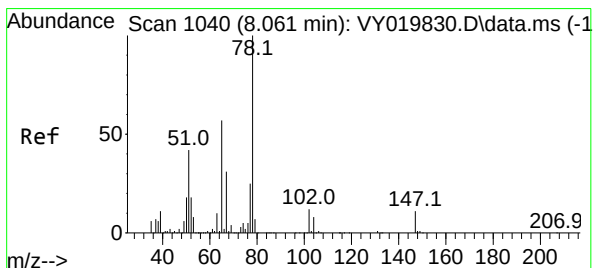
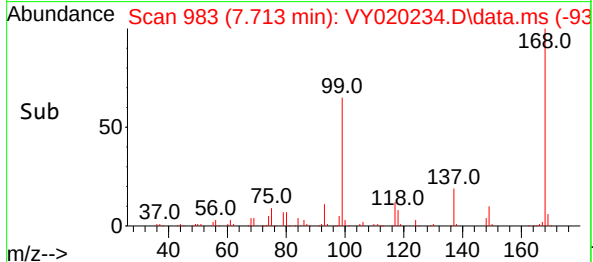
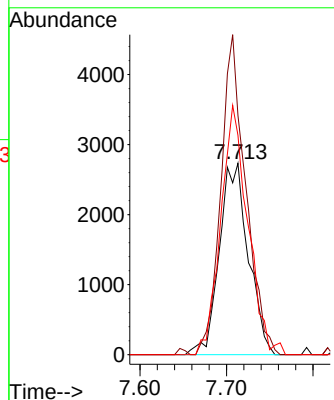
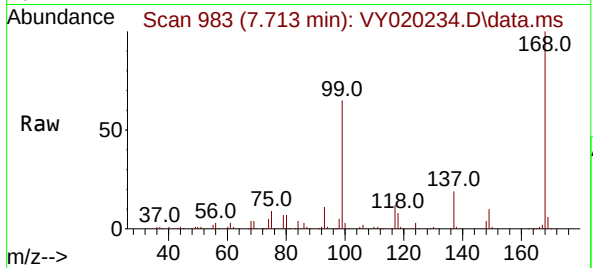




#31
Cyclohexane
Concen: 1.402 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY020234.D
Acq: 08 Nov 2024 15:35

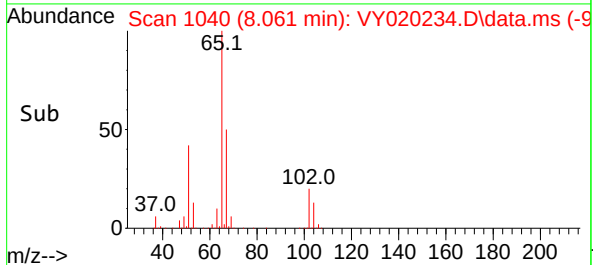
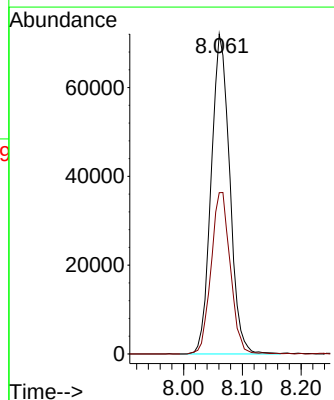
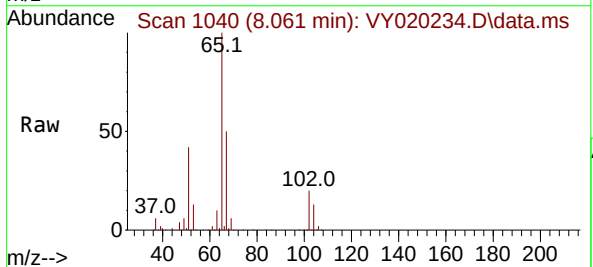
Instrument :
MSVOA_Y
ClientSampleId :

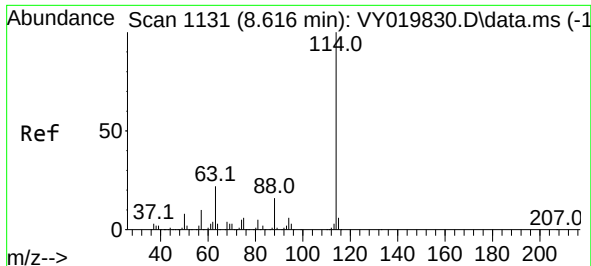
Tgt Ion: 56 Resp: 6357
Ion Ratio Lower Upper
56 100
69 125.0 28.7 43.1#
84 114.7 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 63.103 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020234.D
Acq: 08 Nov 2024 15:35

Tgt Ion: 65 Resp: 157720
Ion Ratio Lower Upper
65 100
67 52.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020234.D

Acq: 08 Nov 2024 15:35

Instrument :

MSVOA_Y

ClientSampleId :

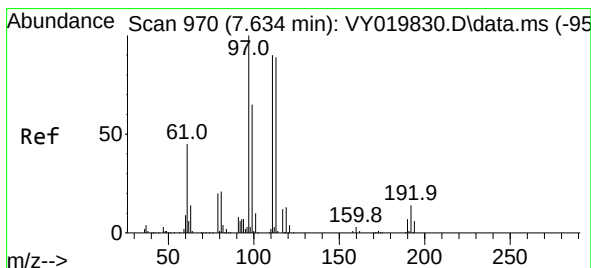
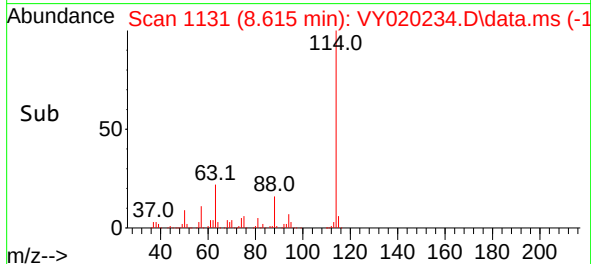
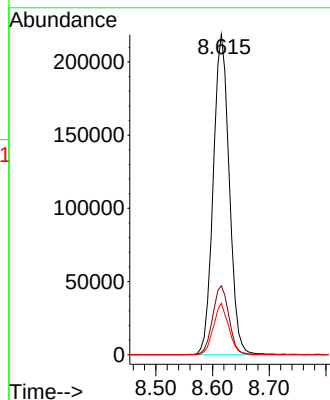
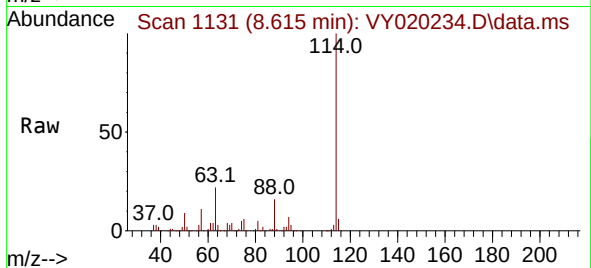
Tgt Ion:114 Resp: 428332

Ion Ratio Lower Upper

114 100

63 21.6 0.0 35.0

88 16.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.773 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY020234.D

Acq: 08 Nov 2024 15:35

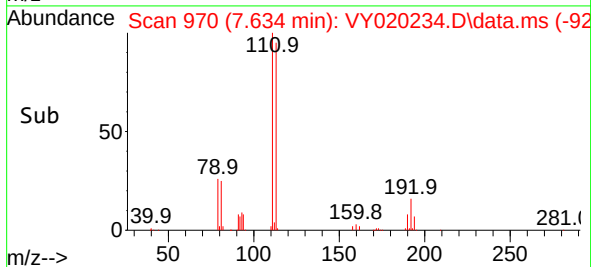
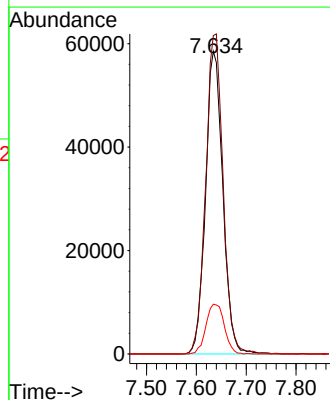
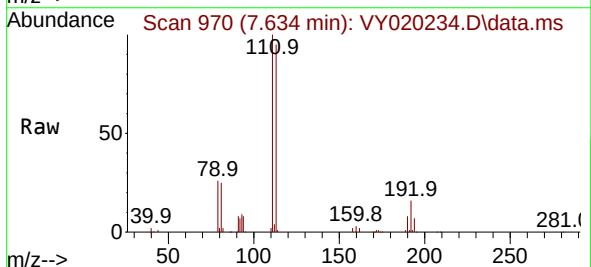
Tgt Ion:113 Resp: 140994

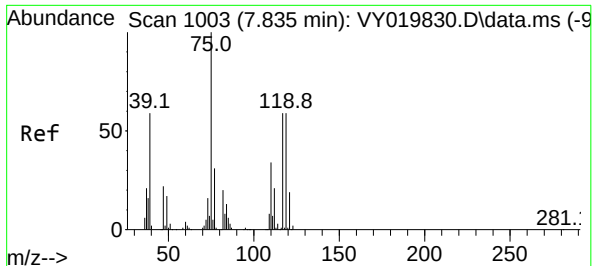
Ion Ratio Lower Upper

113 100

111 106.2 82.2 123.4

192 17.5 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.730 ug/l

RT: 7.713 min Scan# 9

Delta R.T. -0.122 min

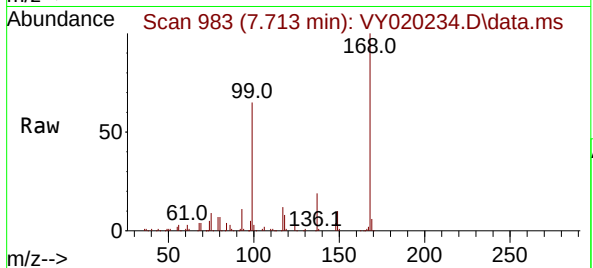
Lab File: VY020234.D

Acq: 08 Nov 2024 15:35

Instrument :

MSVOA_Y

ClientSampleId :



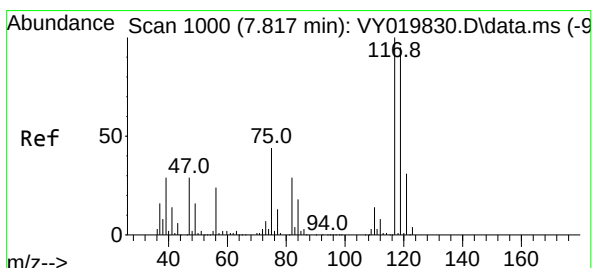
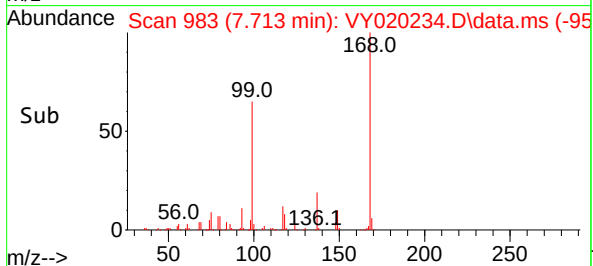
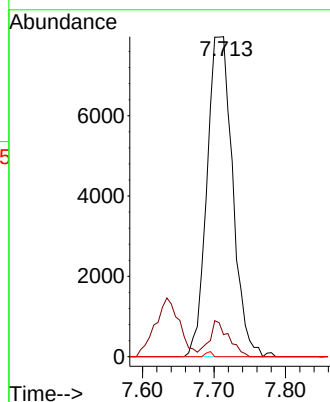
Tgt Ion: 75 Resp: 19897

Ion Ratio Lower Upper

75 100

110 8.5 19.0 57.0#

77 0.4 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.289 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.103 min

Lab File: VY020234.D

Acq: 08 Nov 2024 15:35

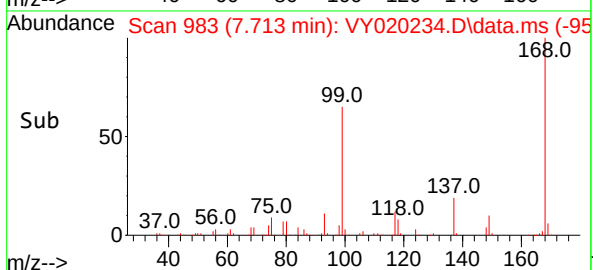
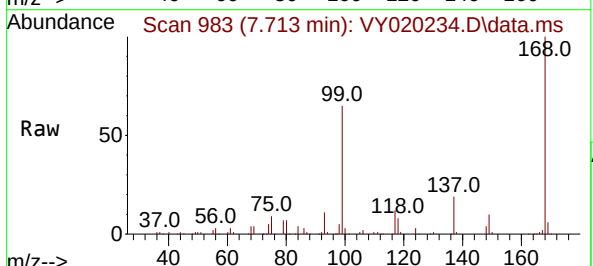
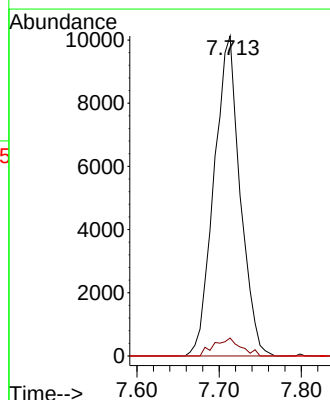
Tgt Ion: 117 Resp: 22373

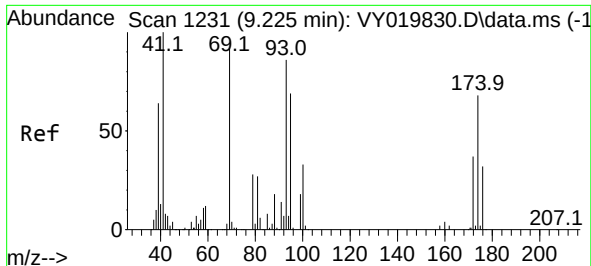
Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.6#

121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 3.112 ug/l

RT: 9.158 min Scan# 11

Delta R.T. -0.073 min

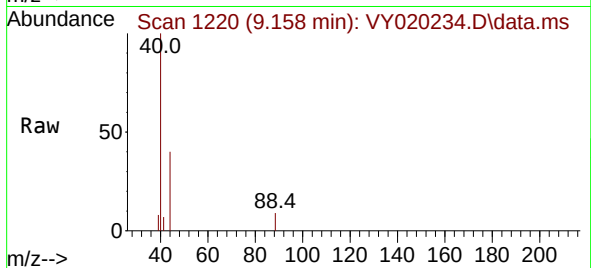
Lab File: VY020234.D

Acq: 08 Nov 2024 15:35

Instrument :

MSVOA_Y

ClientSampleId :



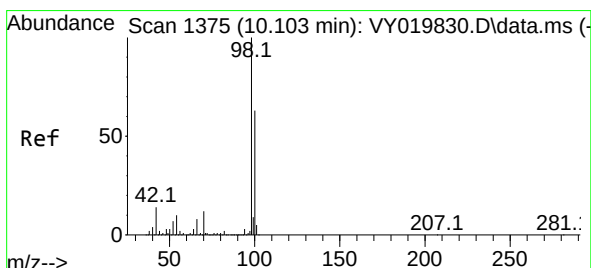
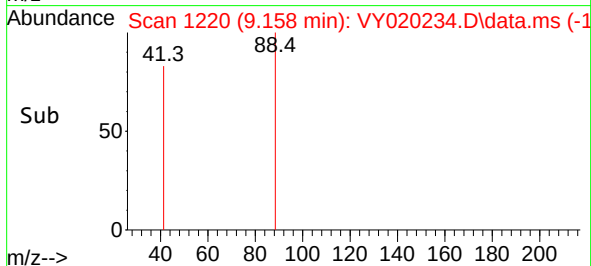
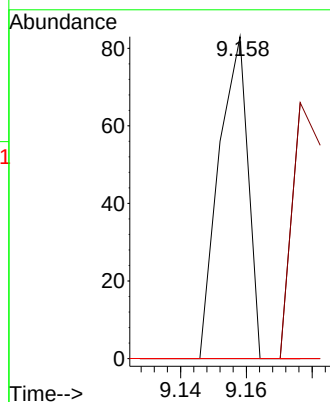
Tgt Ion: 88 Resp: 51

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 49.042 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY020234.D

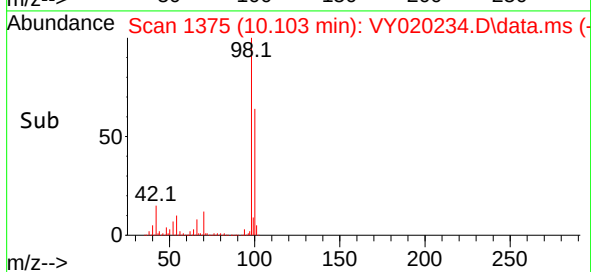
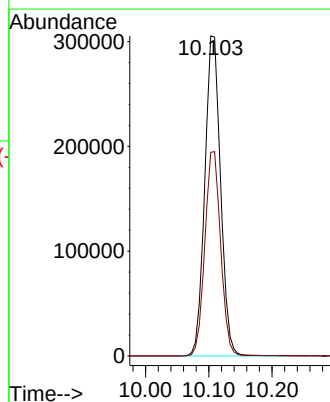
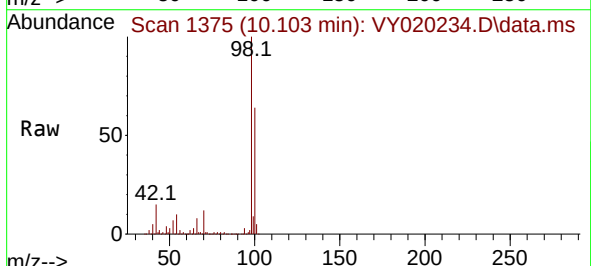
Acq: 08 Nov 2024 15:35

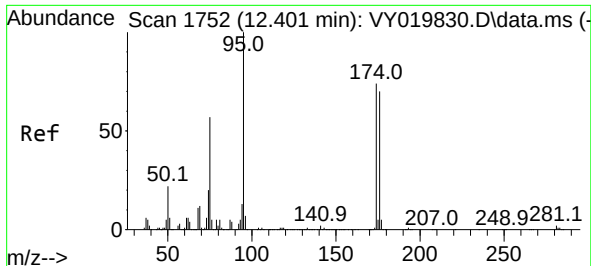
Tgt Ion: 98 Resp: 531619

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0

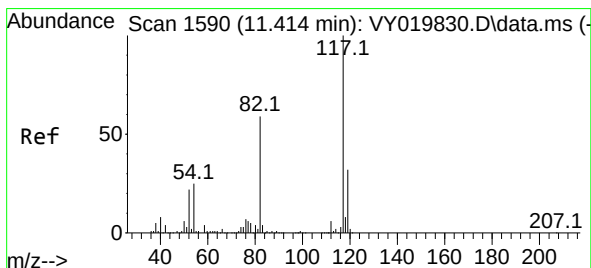
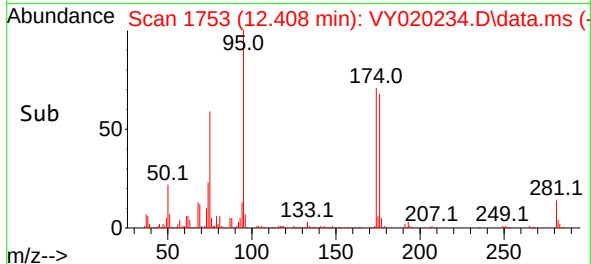
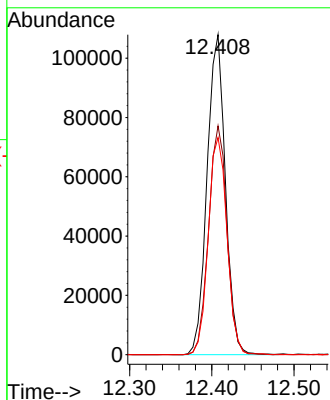
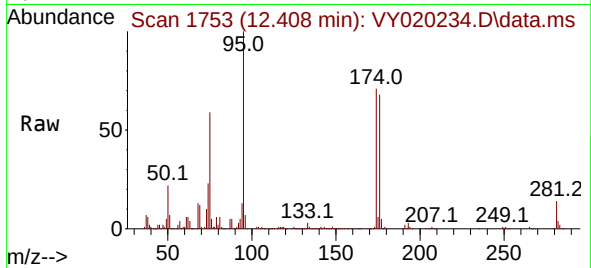




#62
4-Bromofluorobenzene
Concen: 47.512 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020234.D
Acq: 08 Nov 2024 15:35

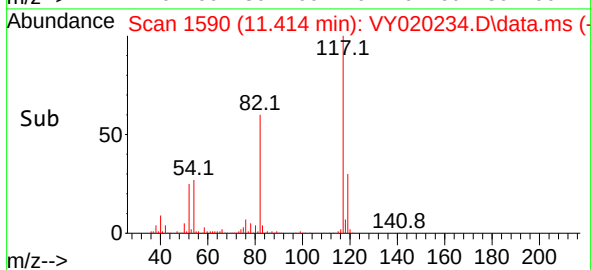
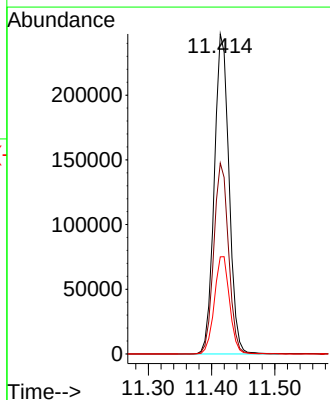
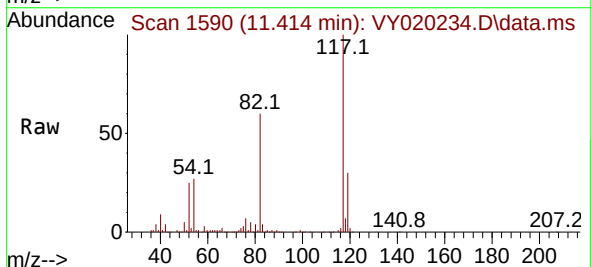
Instrument :
MSVOA_Y
ClientSampleId :

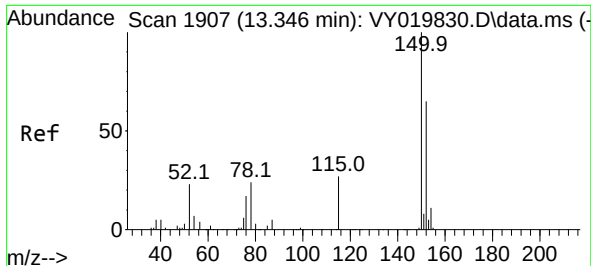
Tgt Ion: 95 Resp: 167289
Ion Ratio Lower Upper
95 100
174 71.6 0.0 175.6
176 69.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY020234.D
Acq: 08 Nov 2024 15:35

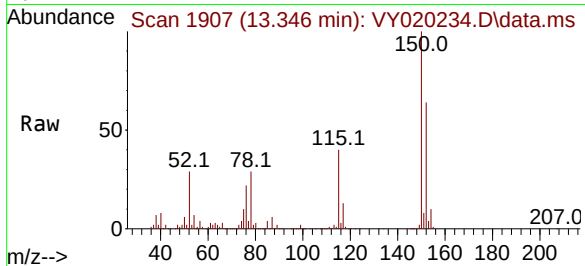
Tgt Ion: 117 Resp: 399084
Ion Ratio Lower Upper
117 100
82 59.6 42.4 63.6
119 30.3 25.9 38.9



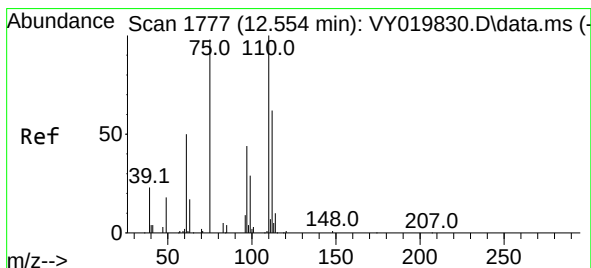
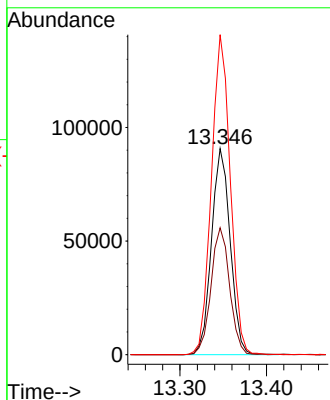
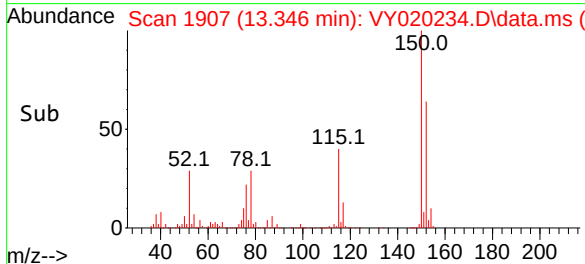


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020234.D
Acq: 08 Nov 2024 15:35

Instrument :
MSVOA_Y
ClientSampleId :

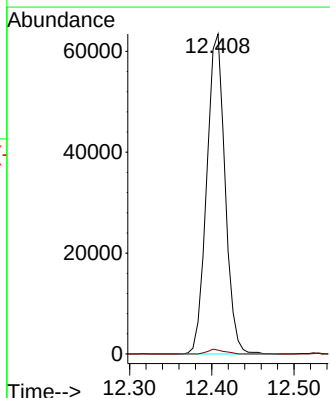
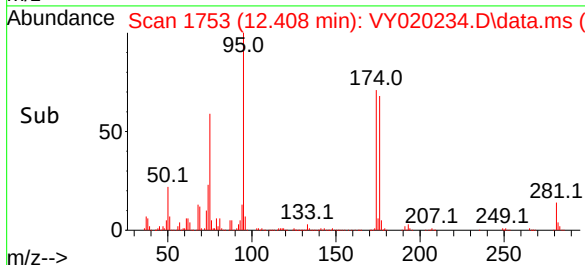
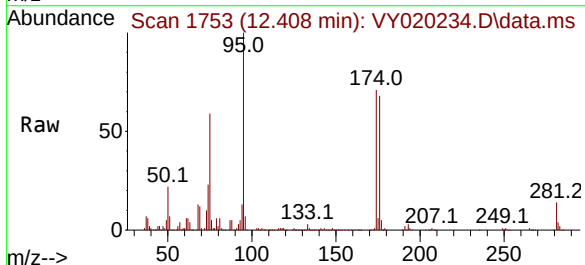


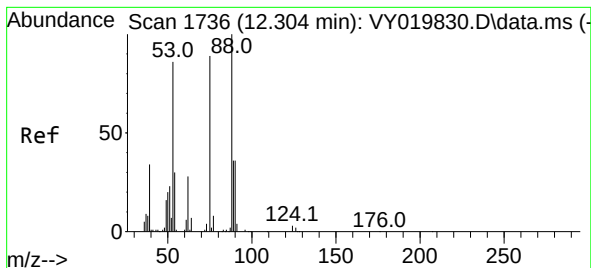
Tgt Ion:152 Resp: 136217
Ion Ratio Lower Upper
152 100
115 61.4 28.2 84.7
150 156.2 0.0 345.6



#76
1,2,3-Trichloropropane
Concen: 76.900 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY020234.D
Acq: 08 Nov 2024 15:35

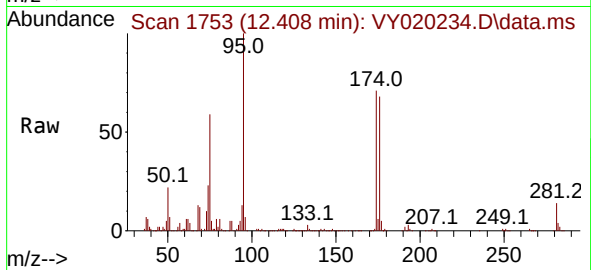
Tgt Ion: 75 Resp: 98193
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 165.409 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY020234.D
 Acq: 08 Nov 2024 15:35

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 98193
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.7 35.8 53.6#

