

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY103119\
 Data File : VY000502.D
 Acq On : 31 Oct 2019 13:53
 Operator : SY/MD
 Sample : K5146-15
 Misc : 7.95G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 01 05:50:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	211776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	372017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	338306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	154107	50.00	ug/l	0.00

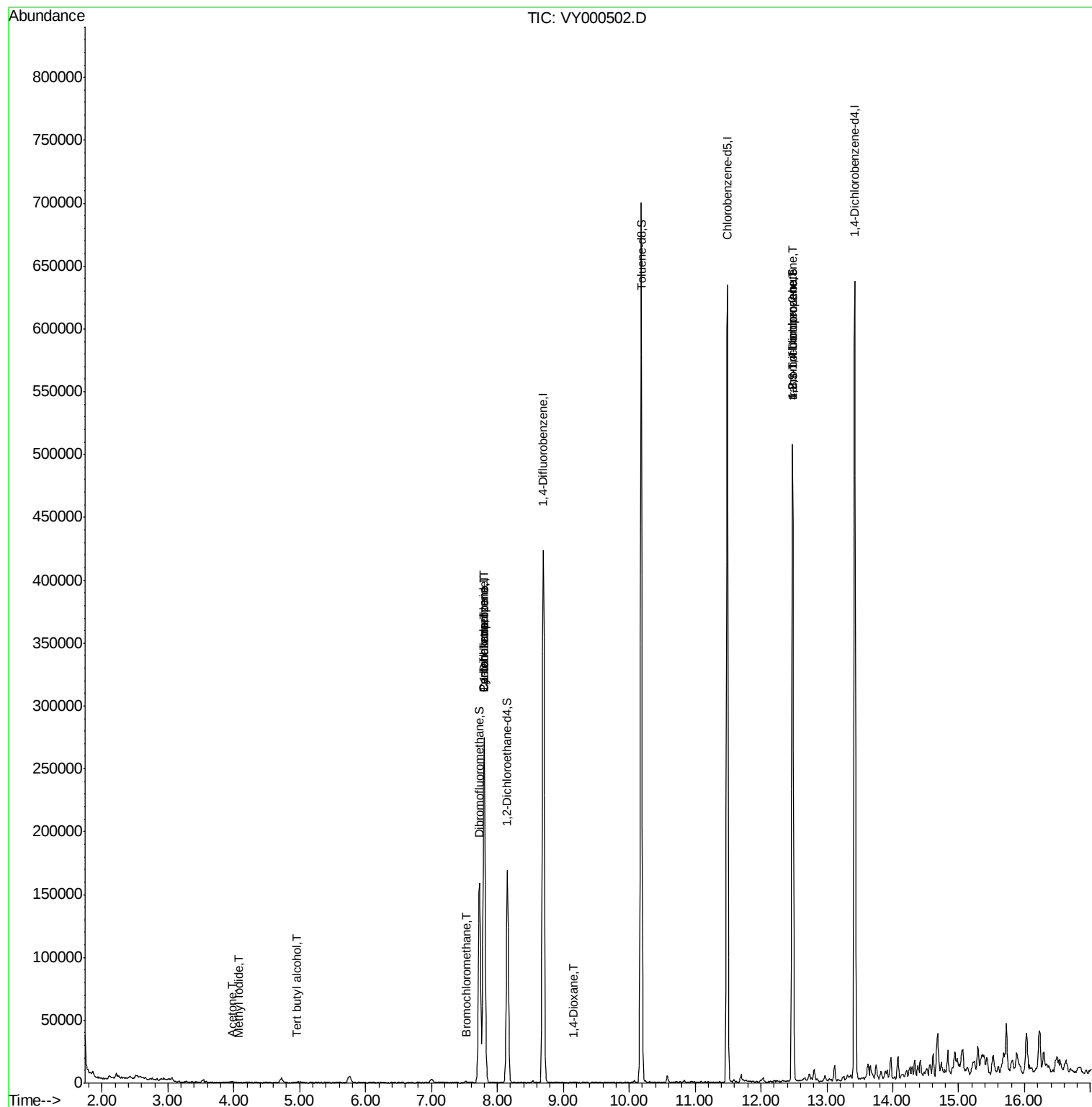
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	131200	59.86	ug/l	0.00
Spiked Amount			Recovery	=	119.72%	
35) Dibromofluoromethane	7.73	113	110085	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
50) Toluene-d8	10.18	98	434519	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
62) 4-Bromofluorobenzene	12.48	95	150857	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	

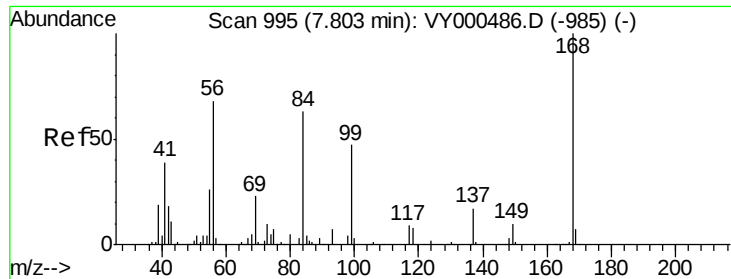
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.08	142	83	3.226	ug/l #	41
11) Tert butyl alcohol	4.96	59	395	1.852	ug/l #	86
16) Acetone	3.96	43	881	1.459	ug/l	96
28) Bromochloromethane	7.53	49	42	4.113	ug/l #	14
31) Cyclohexane	7.80	56	4852	1.144	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	17152	4.877	ug/l #	49
38) Carbon Tetrachloride	7.80	117	20904	6.177	ug/l #	14
49) 1,4-Dioxane	9.16	88	27	1.437	ug/l #	27
76) 1,2,3-Trichloropropane	12.48	75	78753	44.881	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	78753	100.629	ug/l #	13

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000502.D

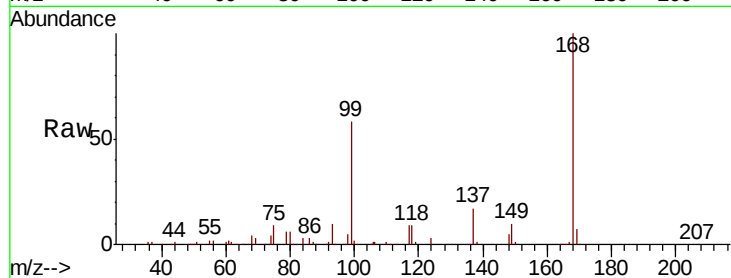
Acq: 31 Oct 2019 13:53

Tot Ion:168 Resp: 211776

Ion Ratio Lower Upper

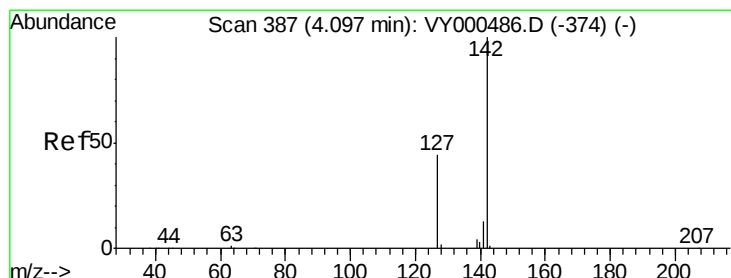
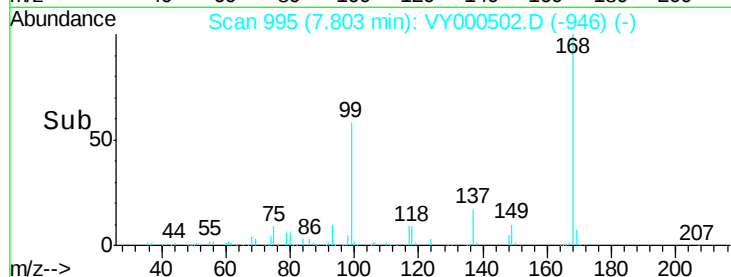
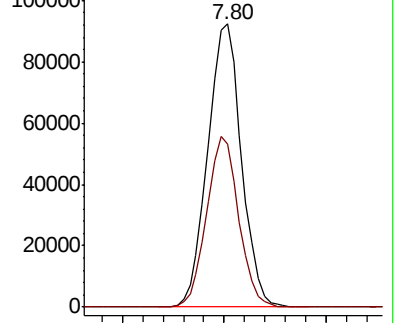
168 100

99 57.6 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.226 ug/l

RT: 4.08 min Scan# 384

Delta R.T. -0.02 min

Lab File: VY000502.D

Acq: 31 Oct 2019 13:53

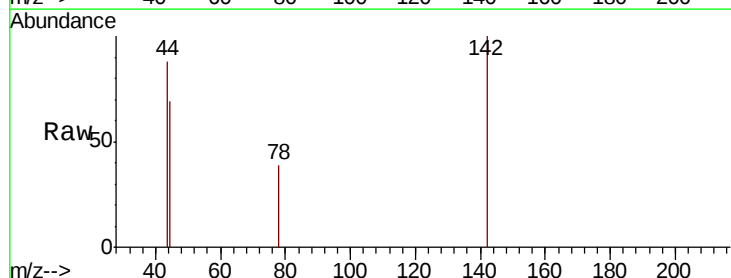
Tgt Ion:142 Resp: 83

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

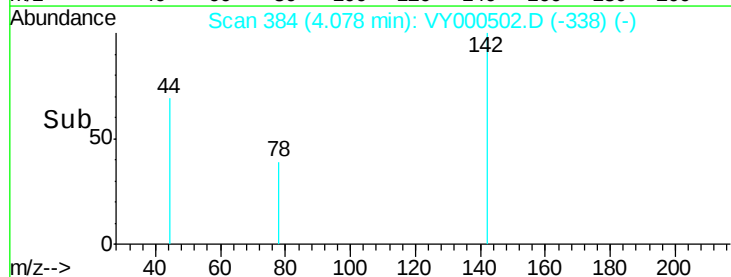
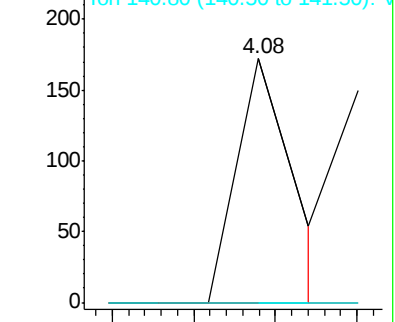
141 0.0 10.9 16.3#

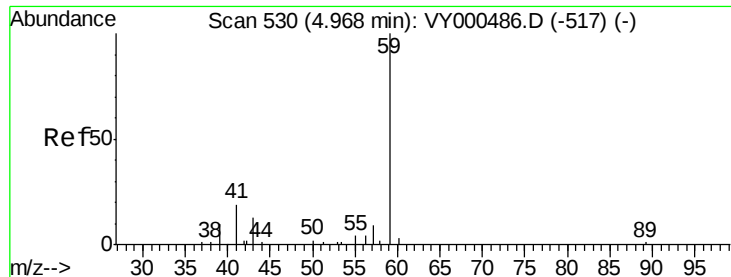


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

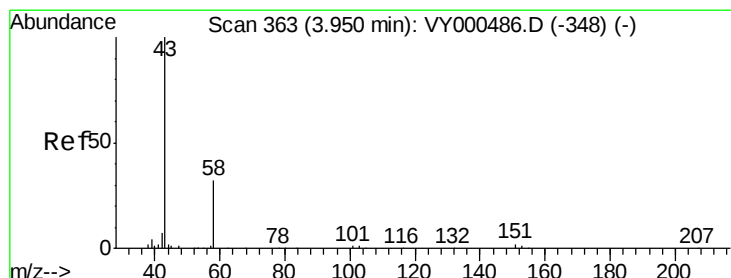
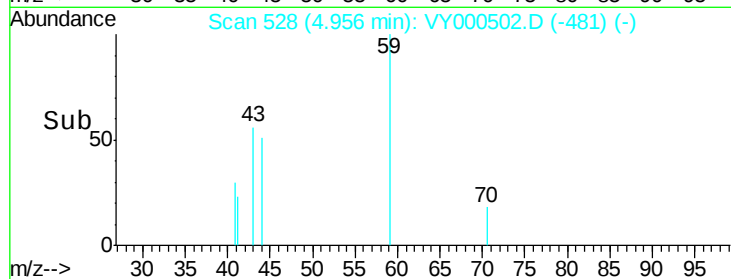
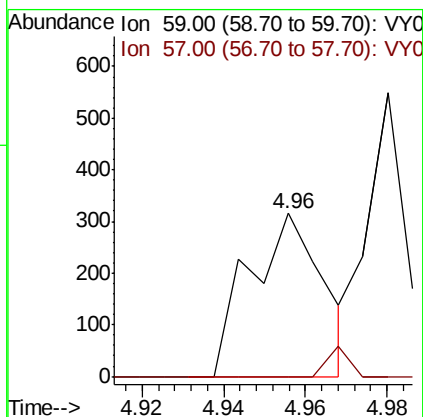
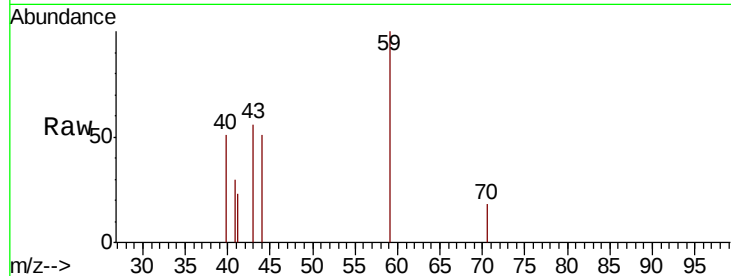
Ion 140.80 (140.50 to 141.50): V





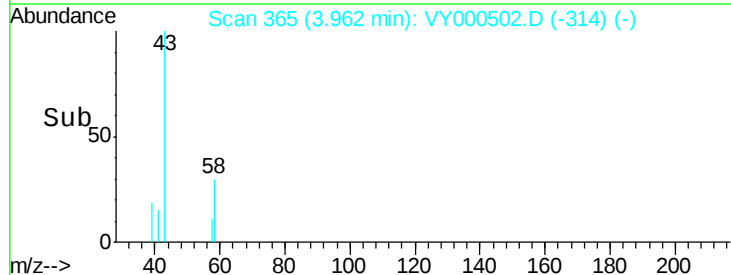
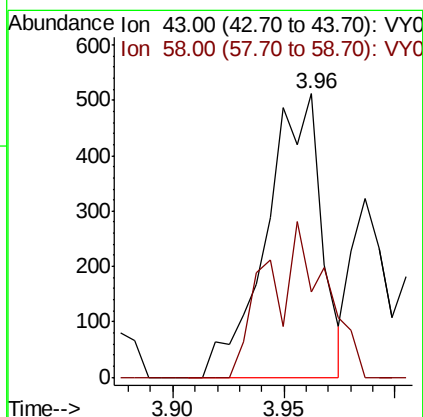
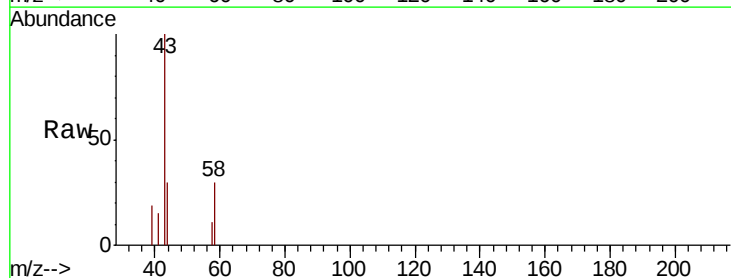
#11
Tert butyl alcohol
Concen: 1.852 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY000502.D
Acq: 31 Oct 2019 13:53

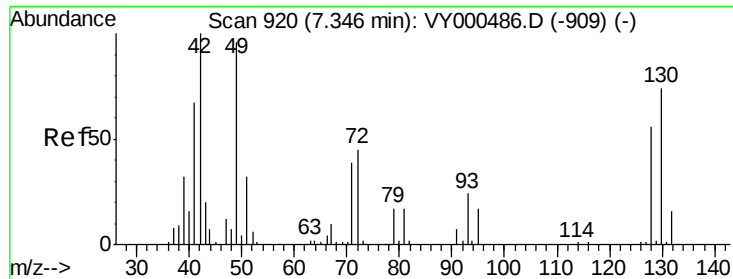
Tot Ion: 59 Resp: 395
Ion Ratio Lower Upper
59 100
57 5.3 8.6 12.8#



#16
Acetone
Concen: 1.459 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY000502.D
Acq: 31 Oct 2019 13:53

Tgt Ion: 43 Resp: 881
Ion Ratio Lower Upper
43 100
58 30.1 25.8 38.6





#28

Bromochloromethane

Concen: 4.113 ug/l

RT: 7.53 min Scan# 950

Delta R.T. 0.18 min

Lab File: VY000502.D

Acq: 31 Oct 2019 13:53

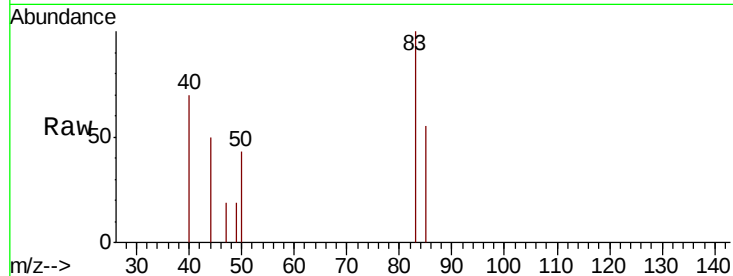
Tot Ion: 49 Resp: 42

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

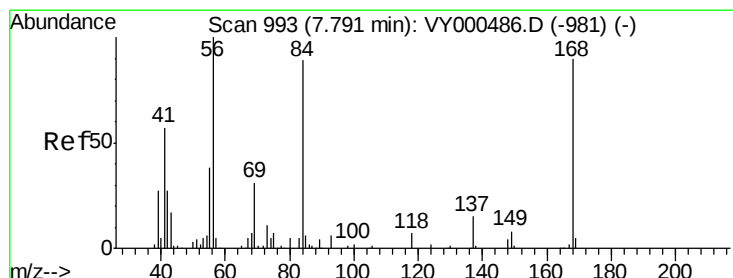
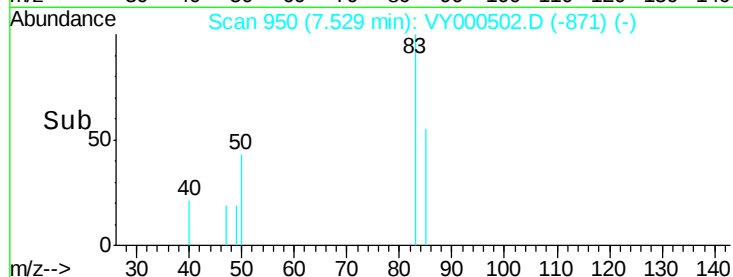
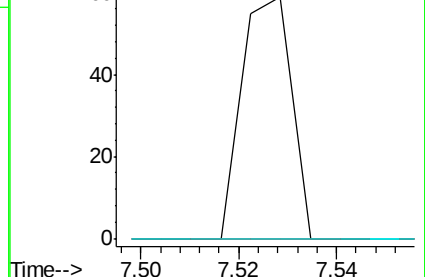
130 0.0 59.4 89.0#



Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): VY0

Ion 129.80 (129.50 to 130.50): VY0



#31

Cyclohexane

Concen: 1.144 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000502.D

Acq: 31 Oct 2019 13:53

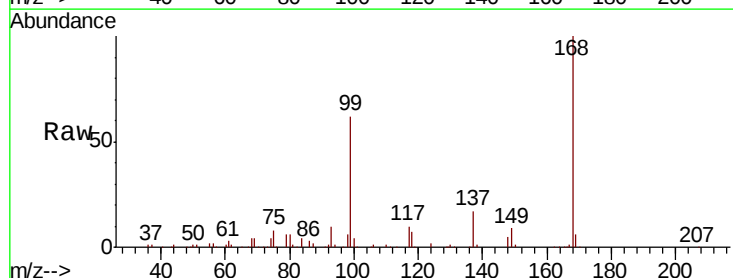
Tgt Ion: 56 Resp: 4852

Ion Ratio Lower Upper

56 100

69 148.5 25.0 37.6#

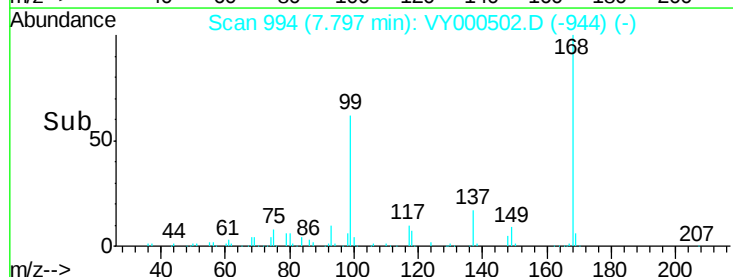
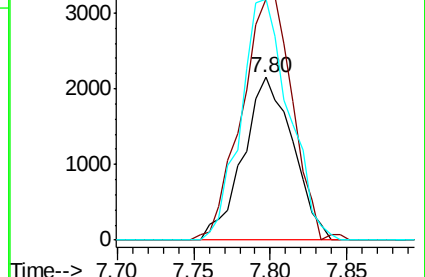
84 148.3 71.4 107.2#

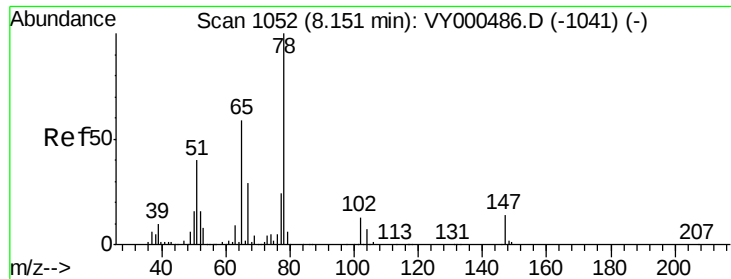


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 59.865 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000502.D

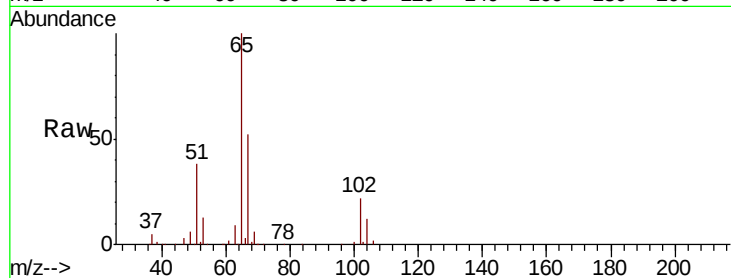
Acq: 31 Oct 2019 13:53

Tot Ion: 65 Resp: 131200

Ion Ratio Lower Upper

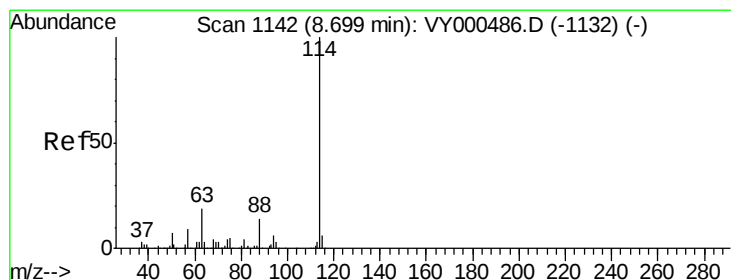
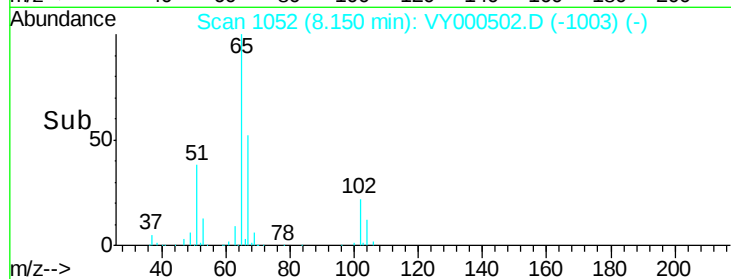
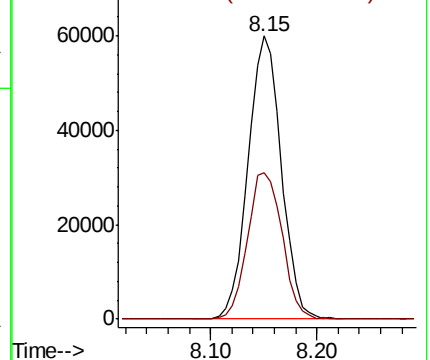
65 100

67 54.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000502.D

Acq: 31 Oct 2019 13:53

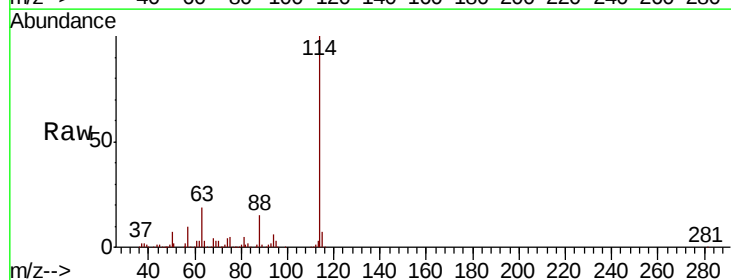
Tgt Ion: 114 Resp: 372017

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.0

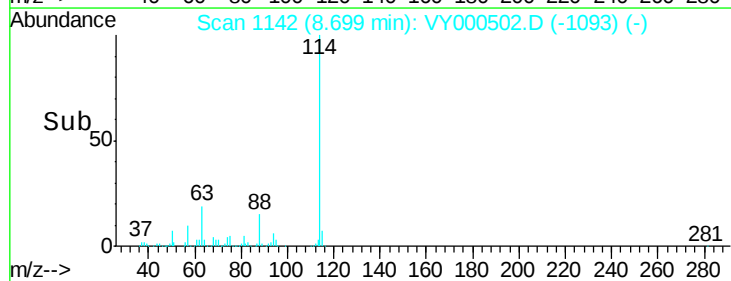
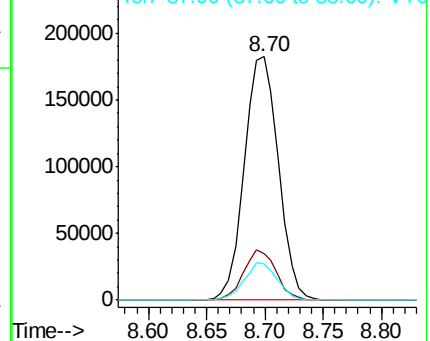
88 15.1 0.0 28.6

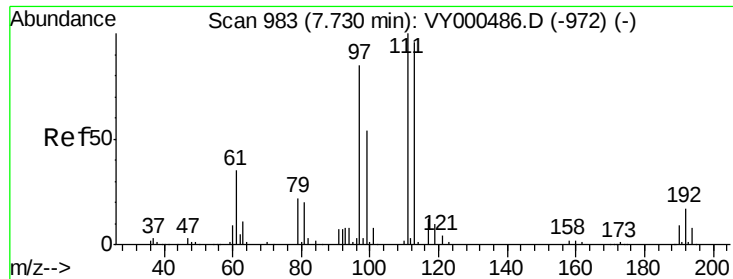


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 50.406 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000502.D

Acq: 31 Oct 2019 13:53

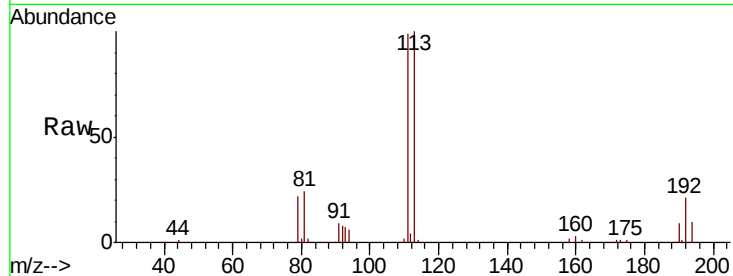
Tot Ion:113 Resp: 110085

Ion Ratio Lower Upper

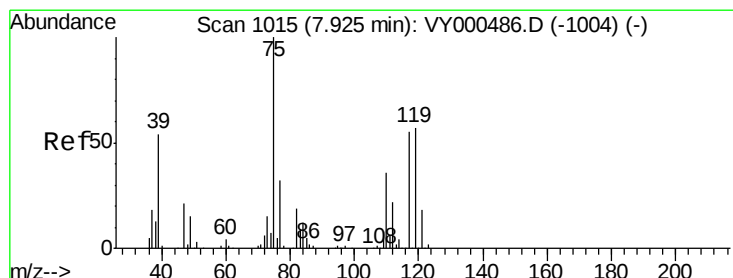
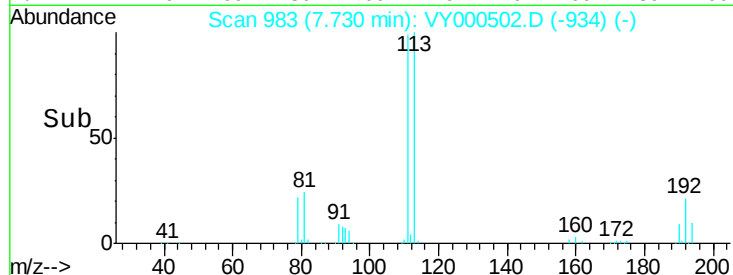
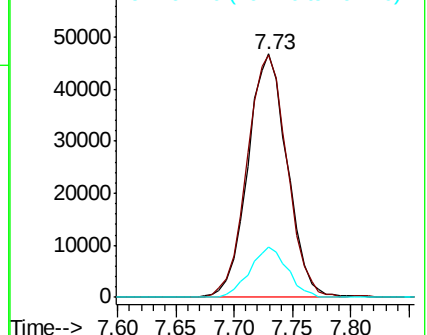
113 100

111 101.4 81.7 122.5

192 19.8 15.0 22.4



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.877 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY000502.D

Acq: 31 Oct 2019 13:53

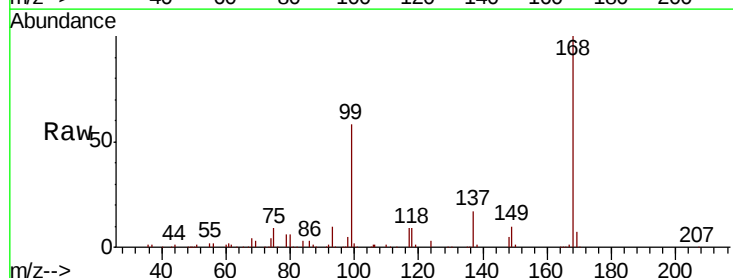
Tgt Ion: 75 Resp: 17152

Ion Ratio Lower Upper

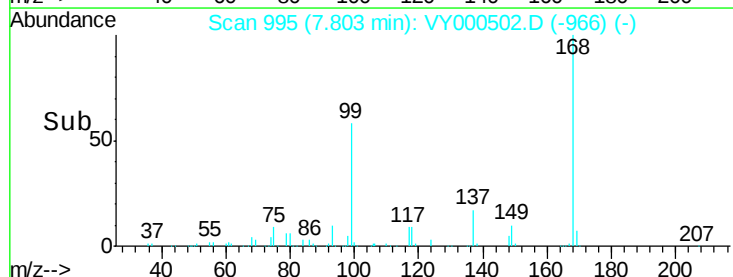
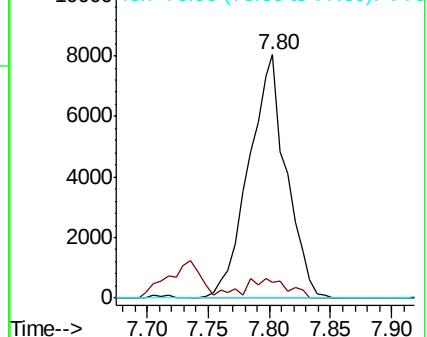
75 100

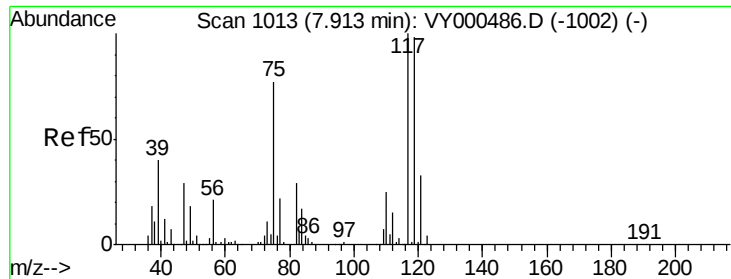
110 8.7 18.1 54.1#

77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.177 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000502.D

Acq: 31 Oct 2019 13:53

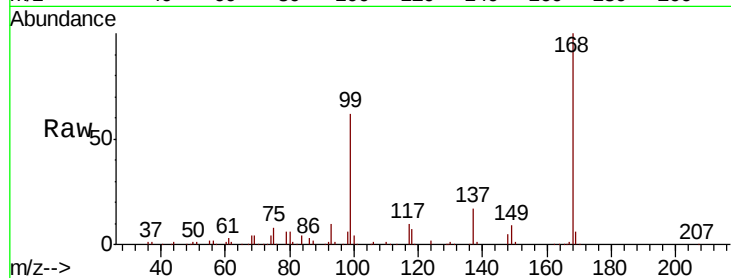
Tot Ion:117 Resp: 20904

Ion Ratio Lower Upper

117 100

119 4.0 78.0 117.0#

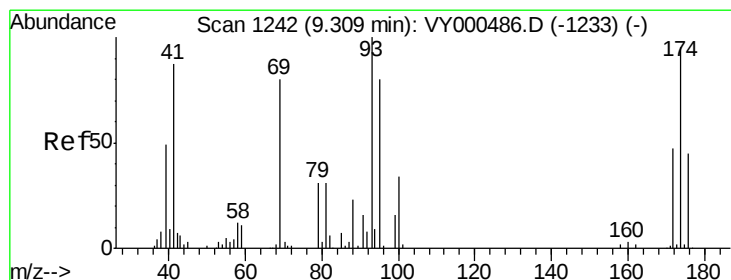
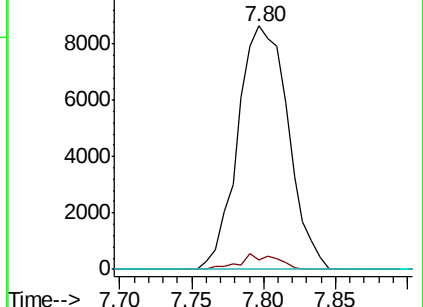
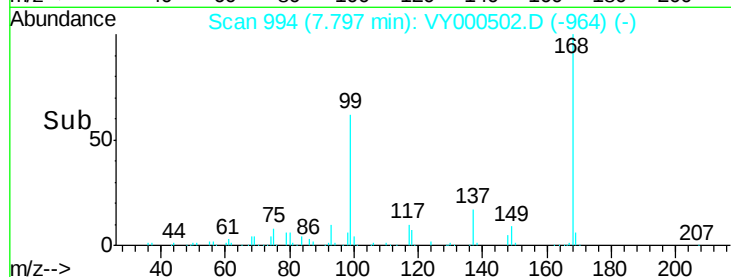
121 0.0 26.6 40.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.437 ug/l

RT: 9.16 min Scan# 1217

Delta R.T. -0.15 min

Lab File: VY000502.D

Acq: 31 Oct 2019 13:53

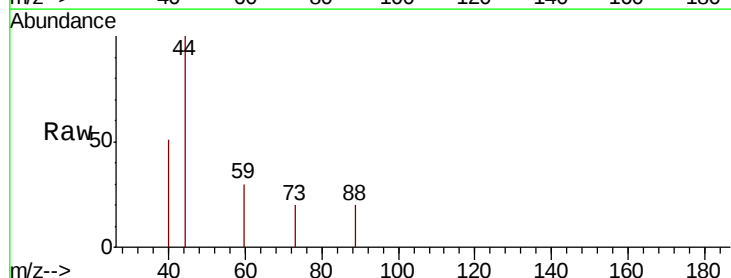
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

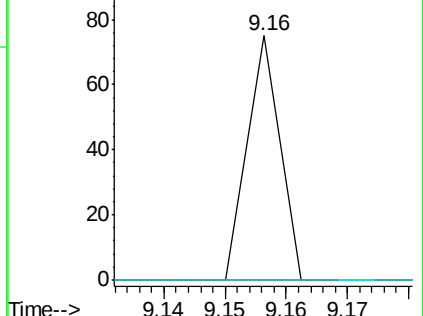
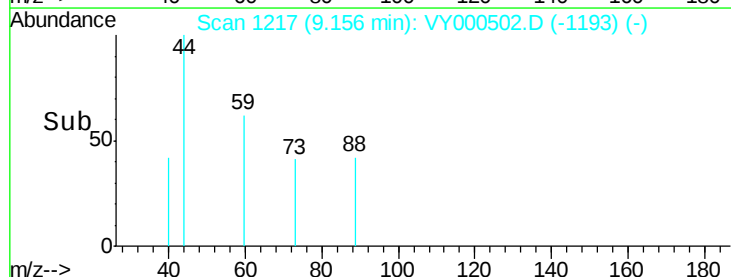
58 0.0 50.6 75.8#

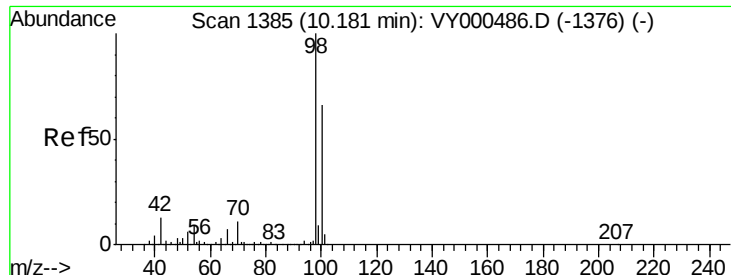


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 52.434 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000502.D

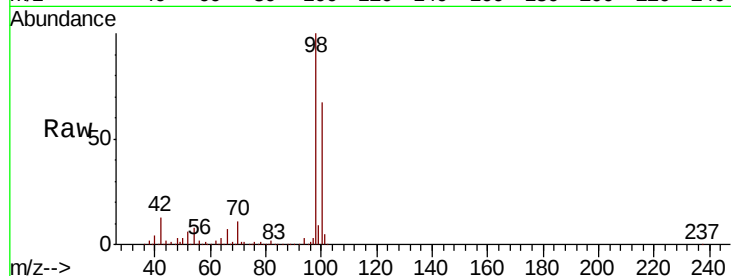
Acq: 31 Oct 2019 13:53

Tot Ion: 98 Resp: 434519

Ion Ratio Lower Upper

98 100

100 66.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY000486.D (-1376) (-)

Ion 100.00 (99.70 to 100.70): VY000486.D (-1376) (-)

10.18

250000

200000

150000

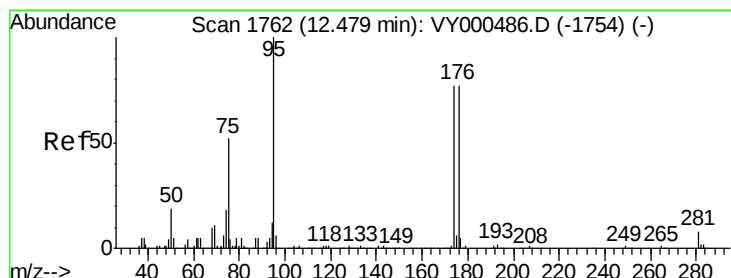
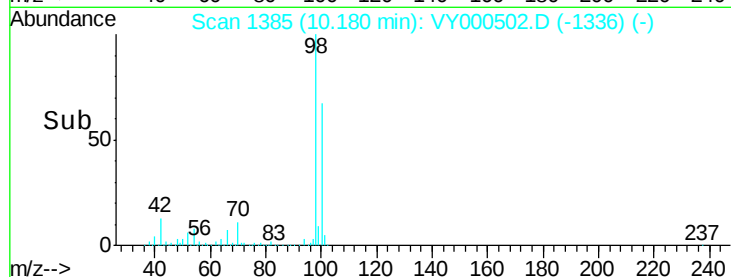
100000

50000

0

Time-->

10.10 10.20 10.30



#62

4-Bromofluorobenzene

Concen: 47.818 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000502.D

Acq: 31 Oct 2019 13:53

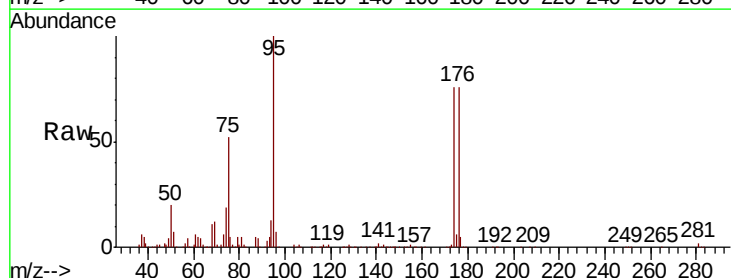
Tgt Ion: 95 Resp: 150857

Ion Ratio Lower Upper

95 100

174 79.8 0.0 161.6

176 78.0 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VY000486.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY000486.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY000486.D (-1754) (-)

12.48

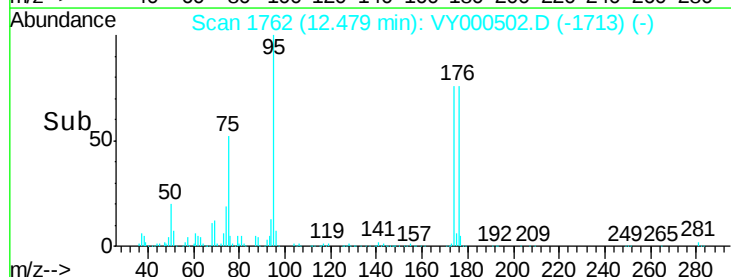
100000

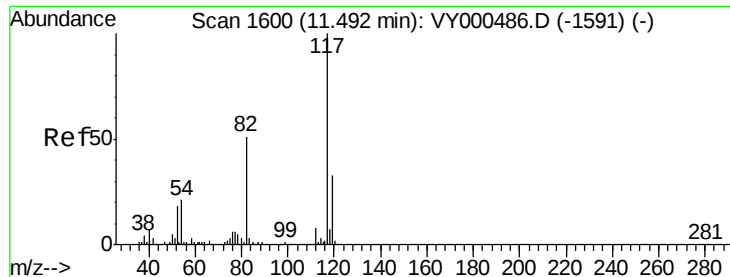
50000

0

Time-->

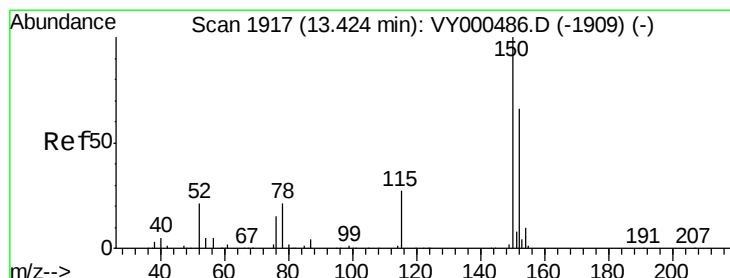
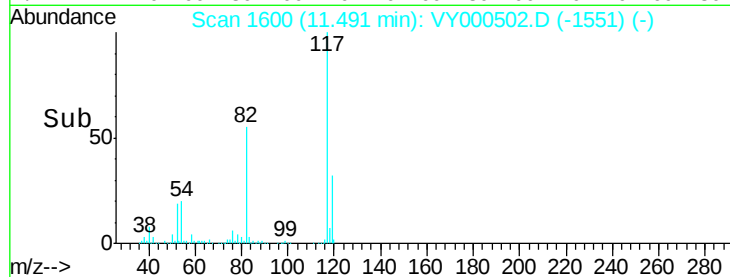
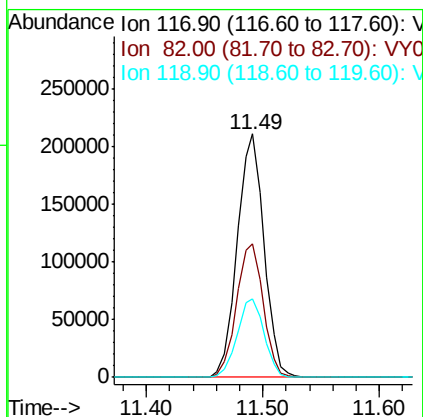
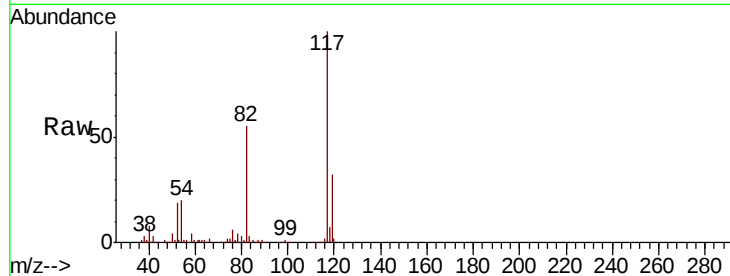
12.40 12.45 12.50 12.55





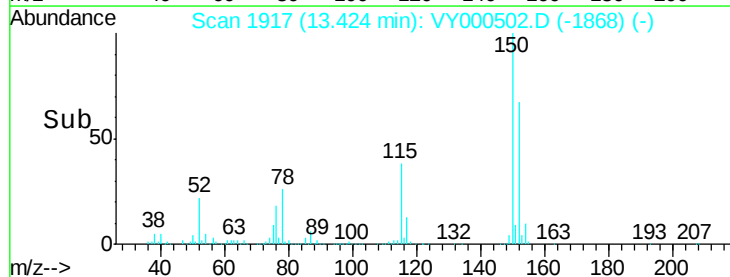
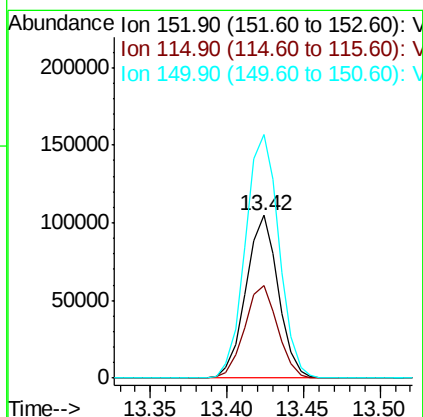
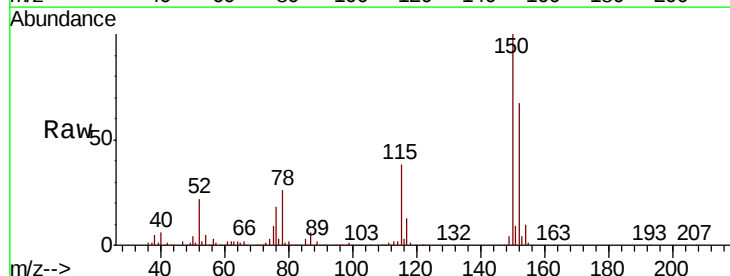
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000502.D
Acq: 31 Oct 2019 13:53

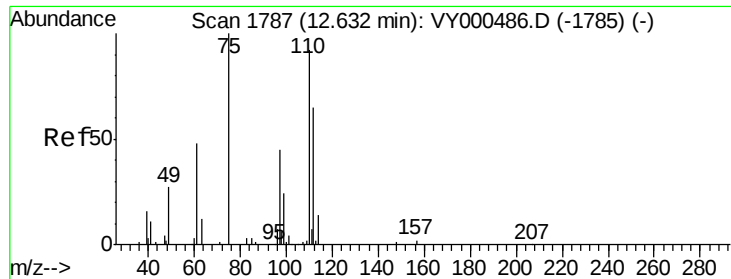
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	40.8	61.2
119	32.2	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000502.D
Acq: 31 Oct 2019 13:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.1	87.4
150	156.0	0.0	348.8

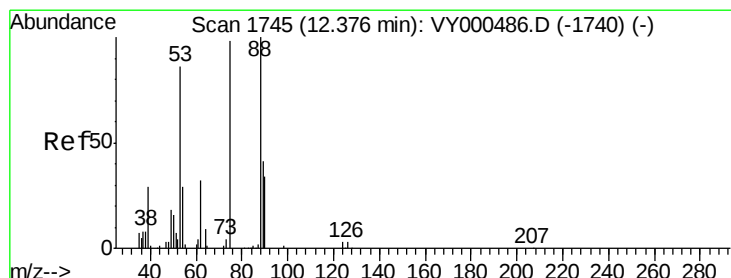
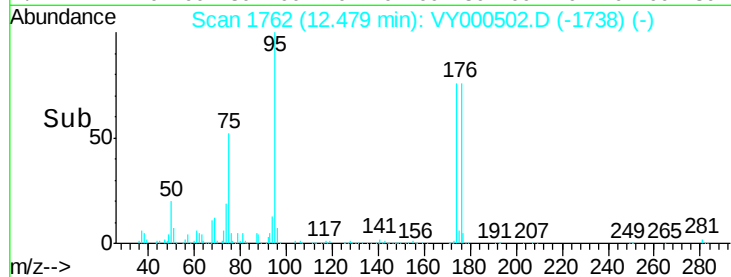
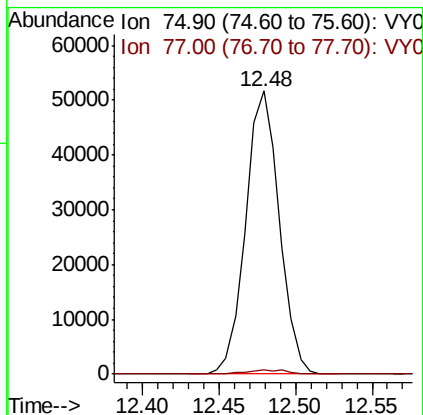
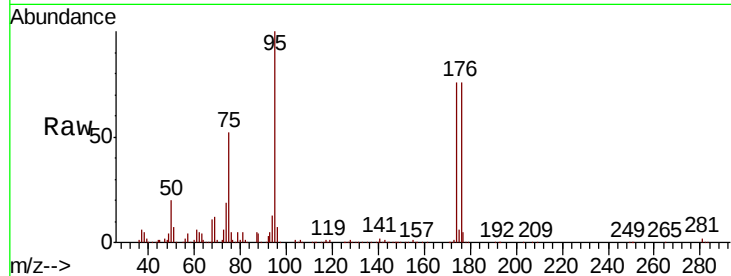




#76

1,2,3-Trichloropropane
 Concen: 44.881 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY000502.D
 Acq: 31 Oct 2019 13:53

Tot Ion: 75 Resp: 78753
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
 Concen: 100.629 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY000502.D
 Acq: 31 Oct 2019 13:53

Tgt Ion: 75 Resp: 78753
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.2 109.8#
 89 0.1 35.9 53.9#

