

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY103119\
 Data File : VY000507.D
 Acq On : 31 Oct 2019 15:48
 Operator : SY/MD
 Sample : K5622-01
 Misc : 5.26G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

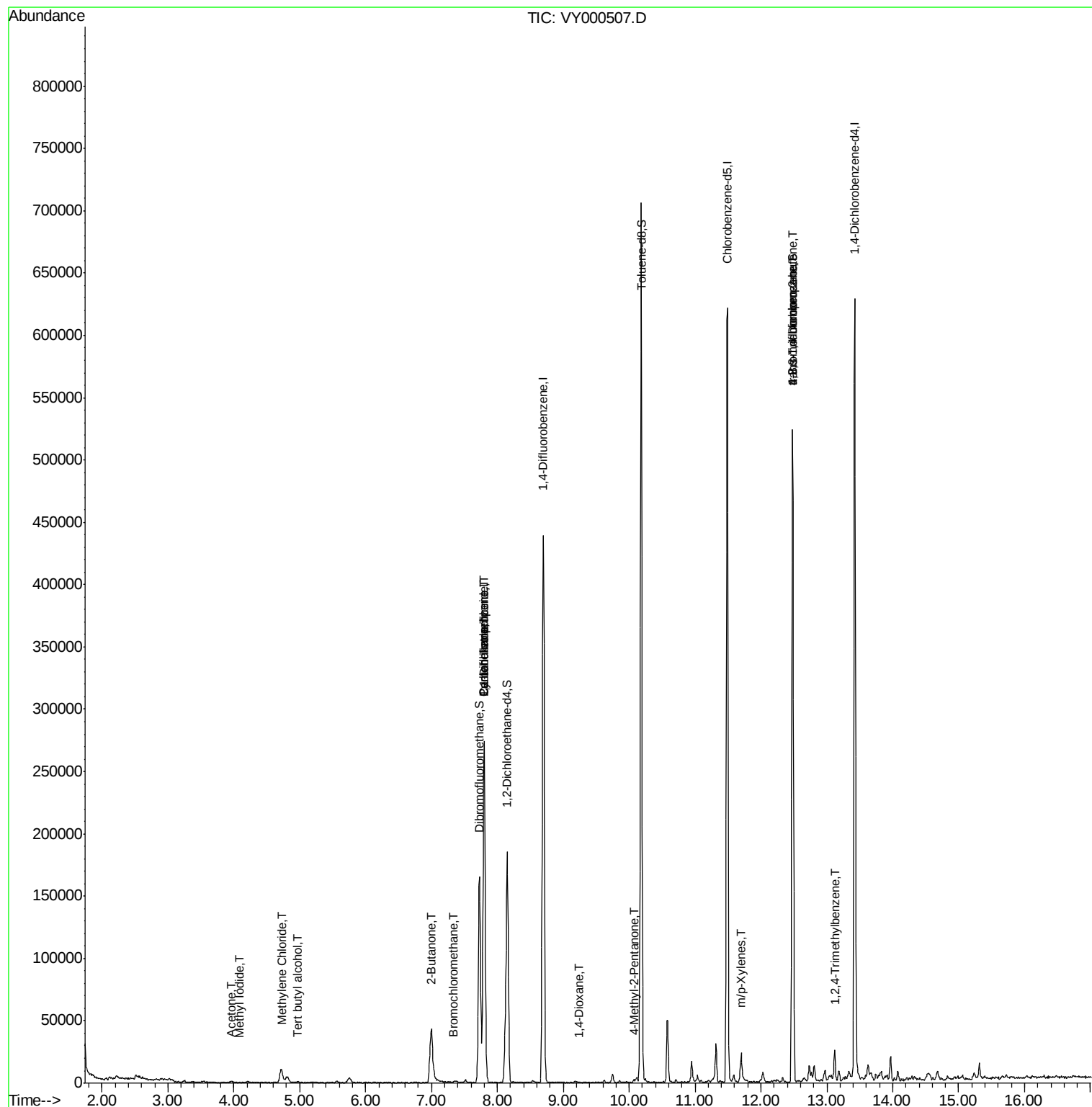
Quant Time: Nov 01 05:51:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	215219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	382046	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	334976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	150402	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	130001	58.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.74%	
35) Dibromofluoromethane	7.73	113	112951	50.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.72%	
50) Toluene-d8	10.18	98	441082	51.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.48	95	146560	45.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.48%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.10	142	128	3.240	ug/l #	79
11) Tert butyl alcohol	4.96	59	1169	5.392	ug/l #	72
16) Acetone	3.96	43	1976	3.219	ug/l	100
20) Methylene Chloride	4.73	84	7597	2.888	ug/l #	73
25) 2-Butanone	7.00	43	3196	3.262	ug/l #	83
28) Bromochloromethane	7.33	49	53	4.119	ug/l #	99
31) Cyclohexane	7.80	56	5096	1.182	ug/l #	27
36) 1,1-Dichloropropene	7.80	75	16188	4.482	ug/l #	50
38) Carbon Tetrachloride	7.80	117	19925	5.733	ug/l #	15
49) 1,4-Dioxane	9.25	88	22	1.141	ug/l #	1
51) 4-Methyl-2-Pentanone	10.08	43	2194	1.024	ug/l #	77
68) m/p-Xylenes	11.70	106	7233	1.495	ug/l	98
76) 1,2,3-Trichloropropane	12.48	75	80313	46.897	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	80313	105.150	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	13667	1.483	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000507.D

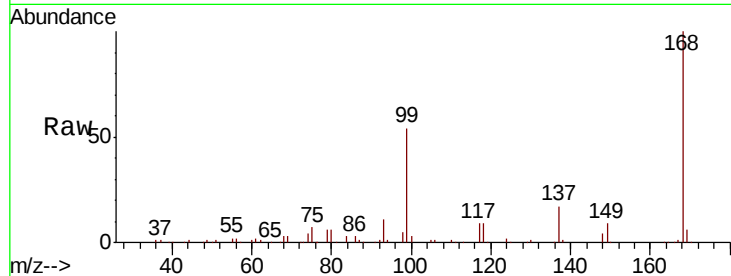
Acq: 31 Oct 2019 15:48

Tot Ion:168 Resp: 215219

Ion Ratio Lower Upper

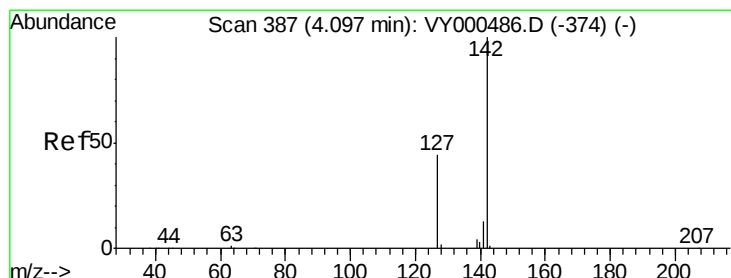
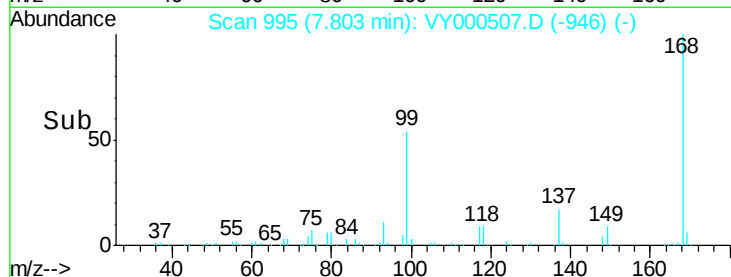
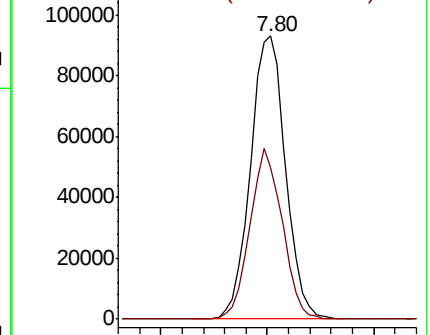
168 100

99 53.7 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: 3.240 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000507.D

Acq: 31 Oct 2019 15:48

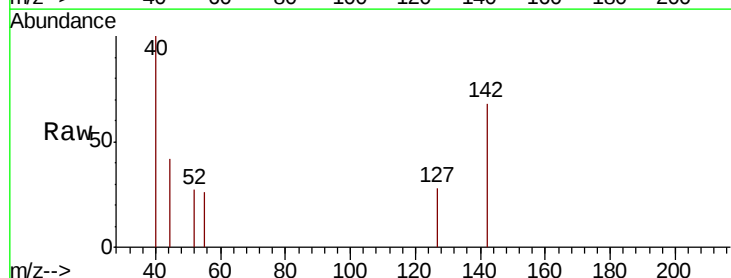
Tgt Ion:142 Resp: 128

Ion Ratio Lower Upper

142 100

127 53.1 33.7 50.5#

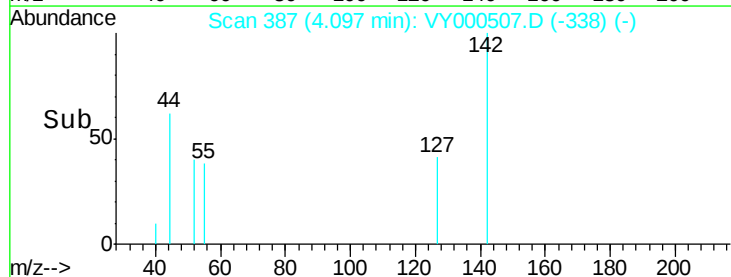
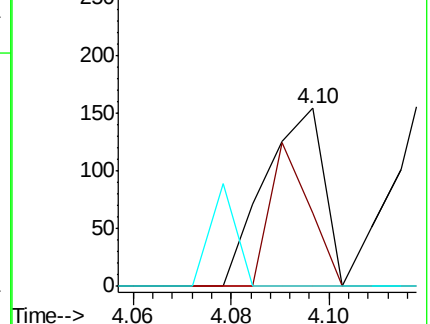
141 25.8 10.9 16.3#

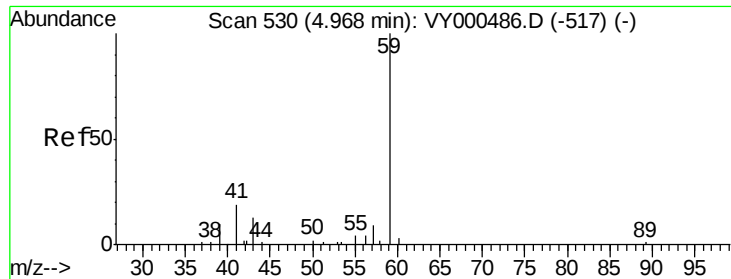


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

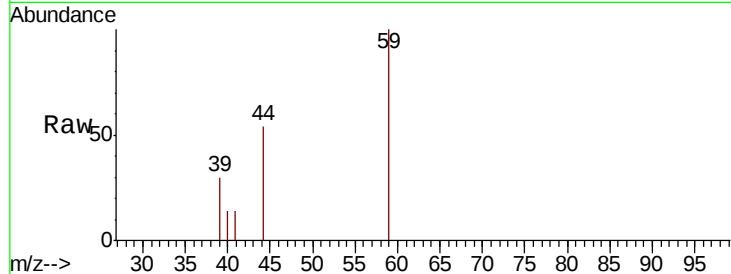




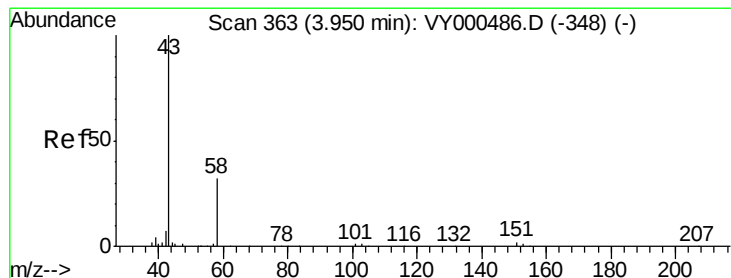
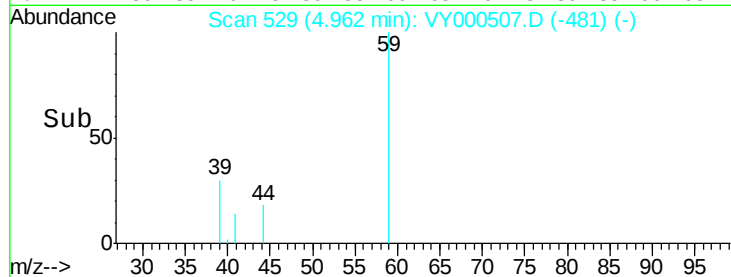
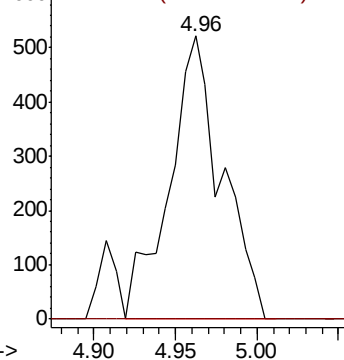
#11

Tert butyl alcohol
 Concen: 5.392 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY000507.D
 Acq: 31 Oct 2019 15:48

Tot Ion	59	Resp	1169
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	12.8#



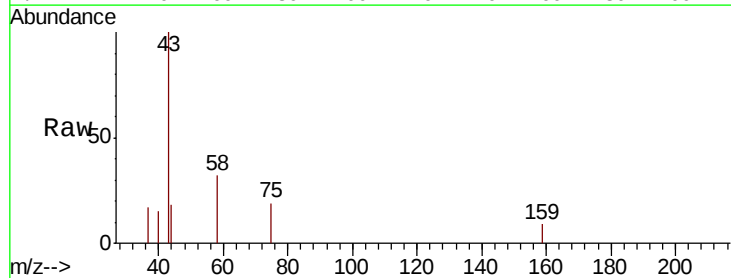
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



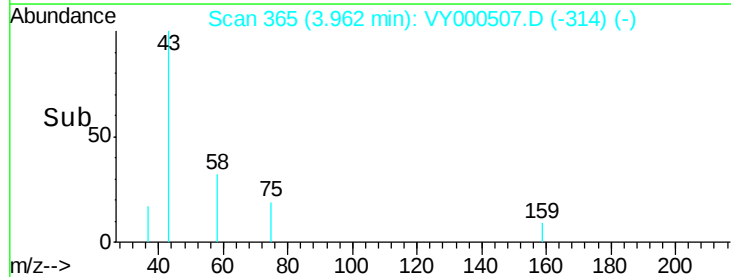
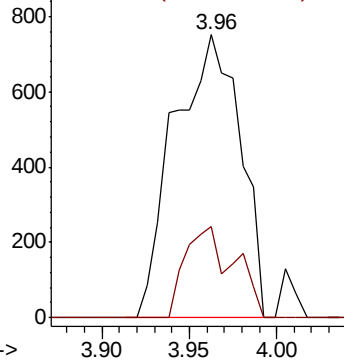
#16

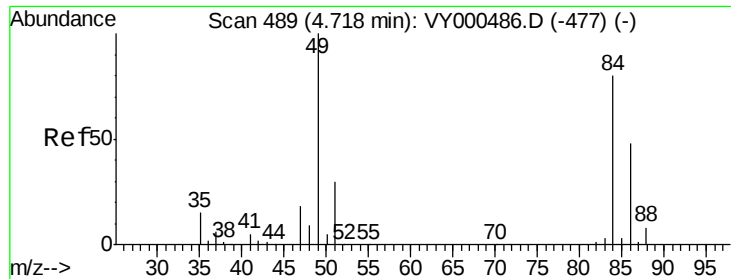
Acetone
 Concen: 3.219 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VY000507.D
 Acq: 31 Oct 2019 15:48

Tgt Ion	43	Resp	1976
Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.8	38.6



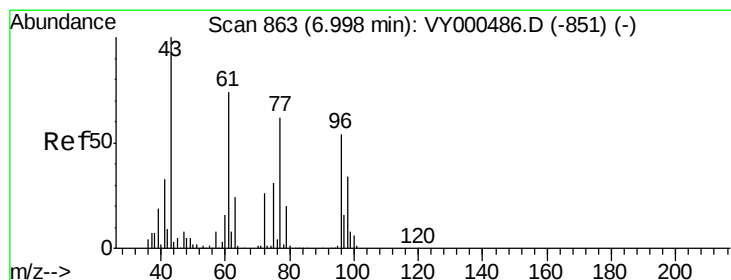
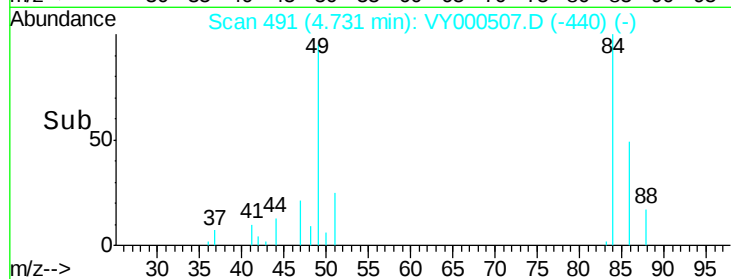
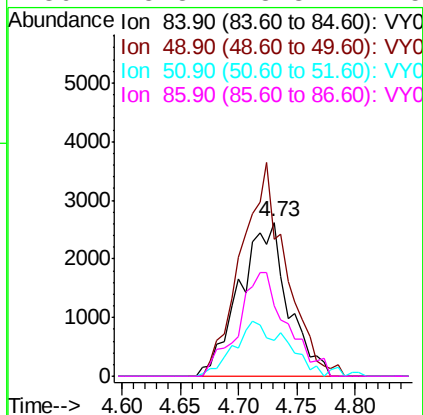
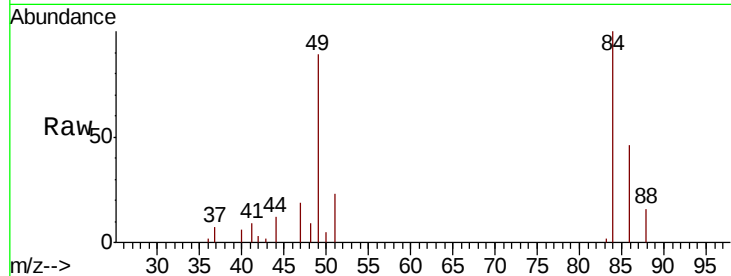
Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0





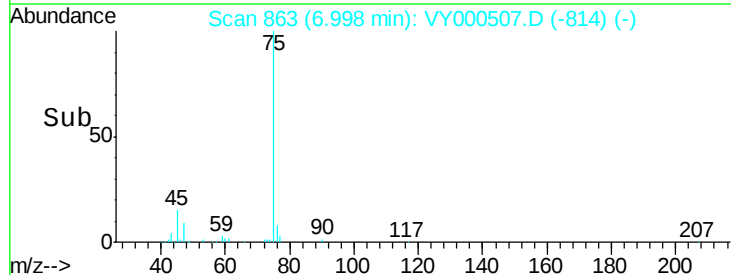
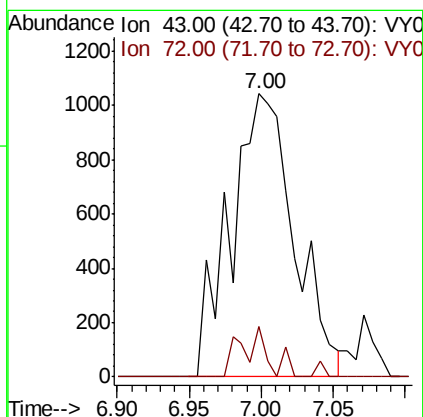
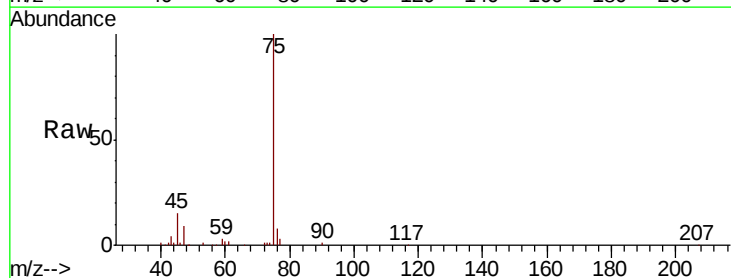
#20
Methvlene Chloride
Concen: 2.888 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000507.D
Acq: 31 Oct 2019 15:48

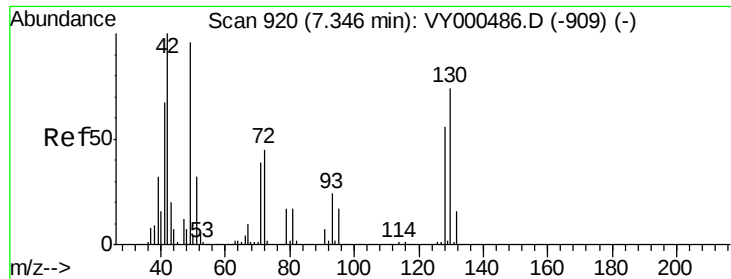
Tot Ion: 84 Resp: 7597
Ion Ratio Lower Upper
84 100
49 89.3 100.2 150.4#
51 23.5 29.6 44.4#
86 45.8 48.3 72.5#



#25
2-Butanone
Concen: 3.262 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000507.D
Acq: 31 Oct 2019 15:48

Tgt Ion: 43 Resp: 3196
Ion Ratio Lower Upper
43 100
72 17.7 20.9 31.3#





#28

Bromochloromethane

Concen: 4.119 ug/l

RT: 7.33 min Scan# 918

Delta R.T. -0.01 min

Lab File: VY000507.D

Acq: 31 Oct 2019 15:48

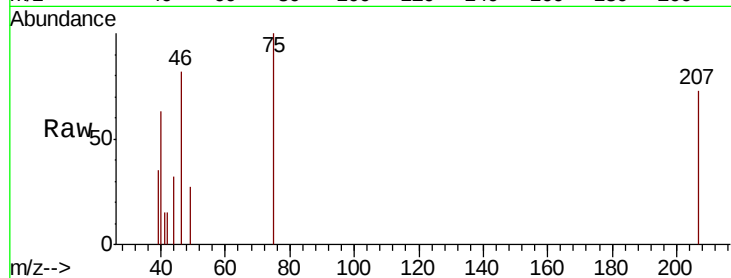
Tot Ion: 49 Resp: 53

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

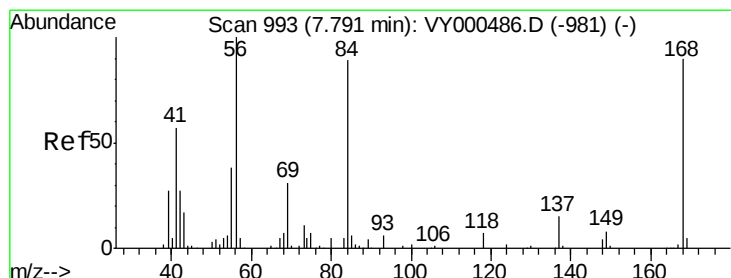
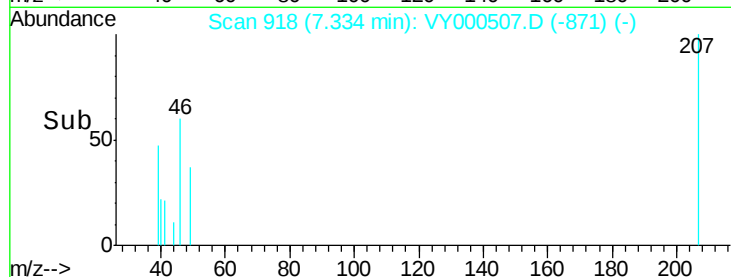
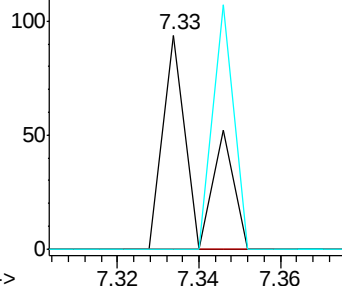
130 73.6 59.4 89.0



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: 1.182 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000507.D

Acq: 31 Oct 2019 15:48

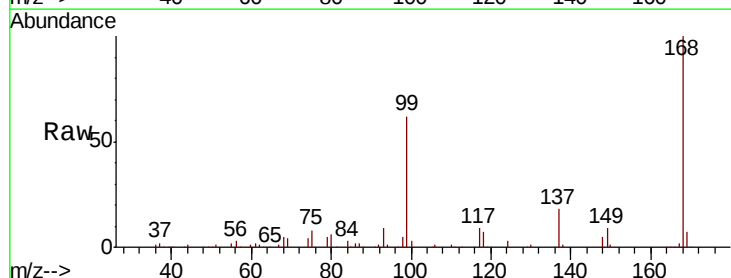
Tgt Ion: 56 Resp: 5096

Ion Ratio Lower Upper

56 100

69 167.4 25.0 37.6#

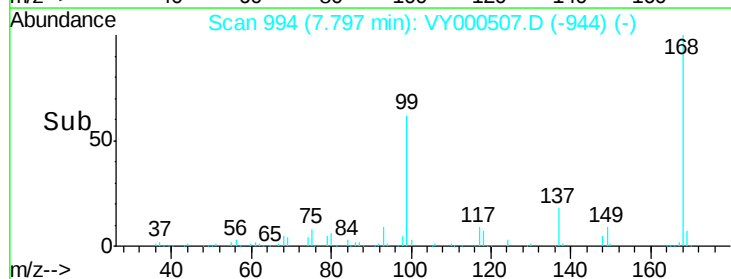
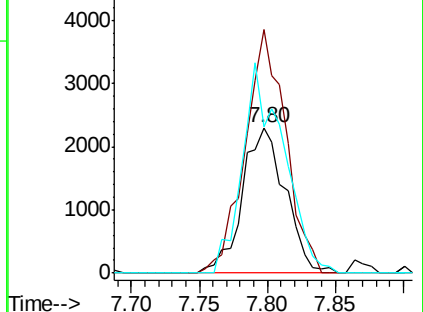
84 100.3 71.4 107.2

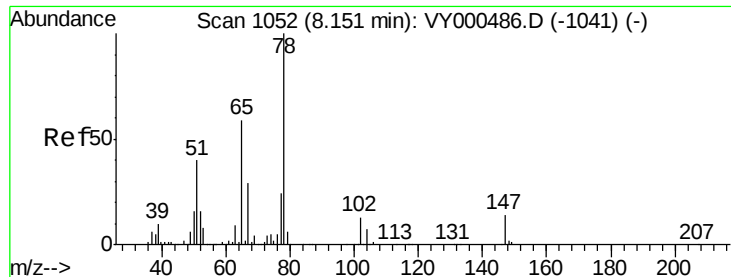


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 58.369 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000507.D

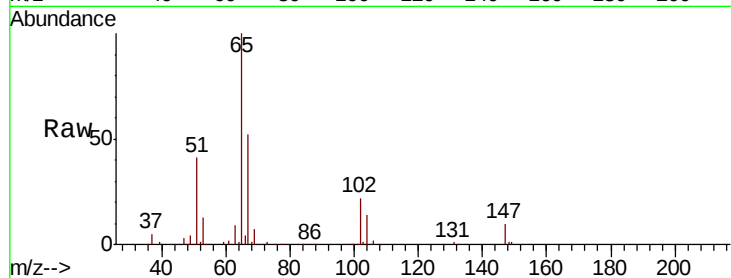
Acq: 31 Oct 2019 15:48

Tot Ion: 65 Resp: 130001

Ion Ratio Lower Upper

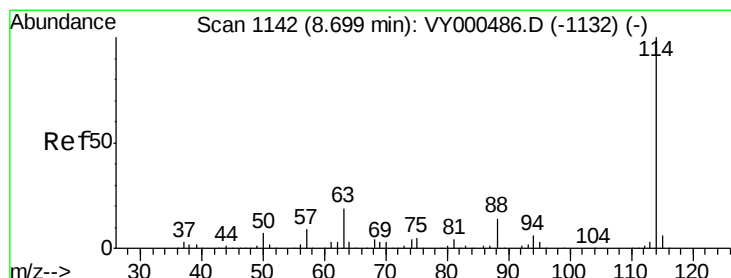
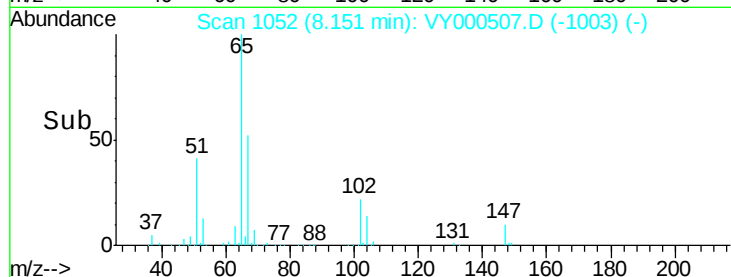
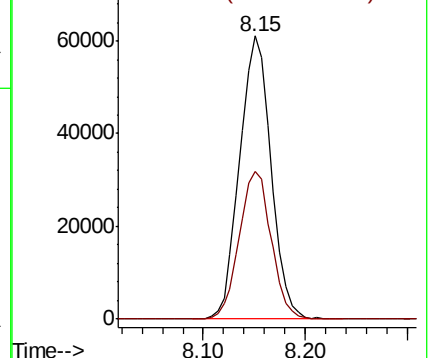
65 100

67 53.2 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: VY000507.D

Acq: 31 Oct 2019 15:48

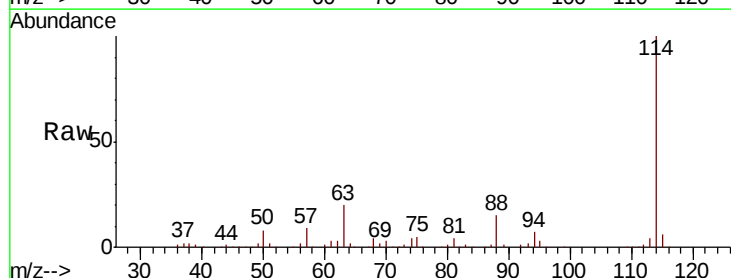
Tgt Ion: 114 Resp: 382046

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.0

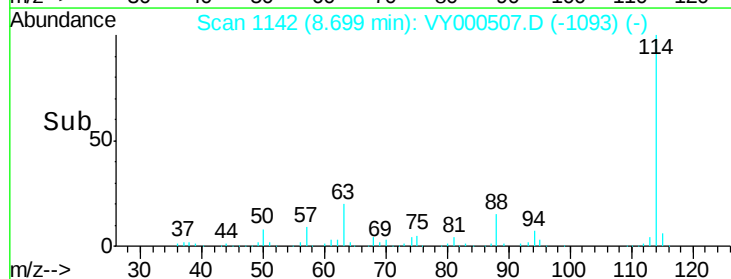
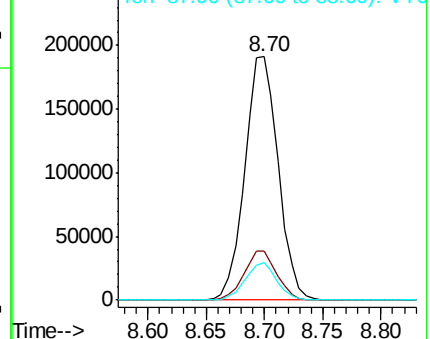
88 15.2 0.0 28.6

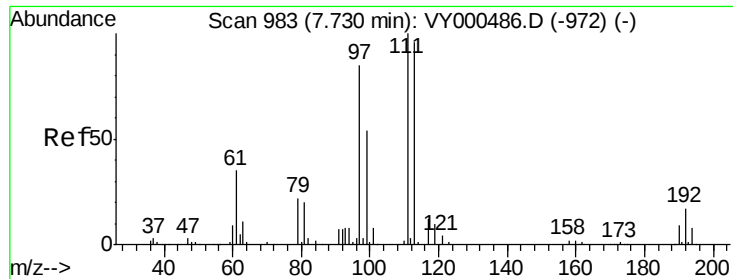


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 50.360 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000507.D

Acq: 31 Oct 2019 15:48

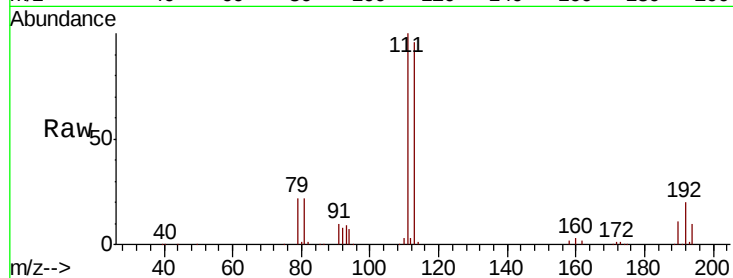
Tot Ion:113 Resp: 112951

Ion Ratio Lower Upper

113 100

111 102.9 81.7 122.5

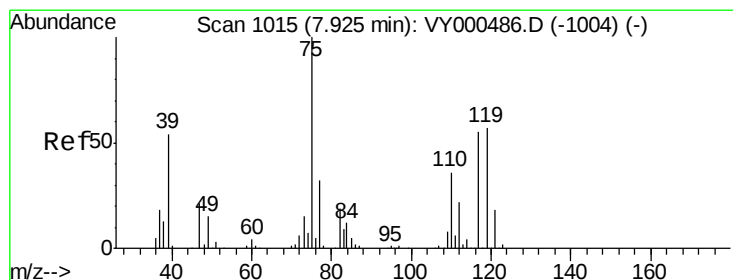
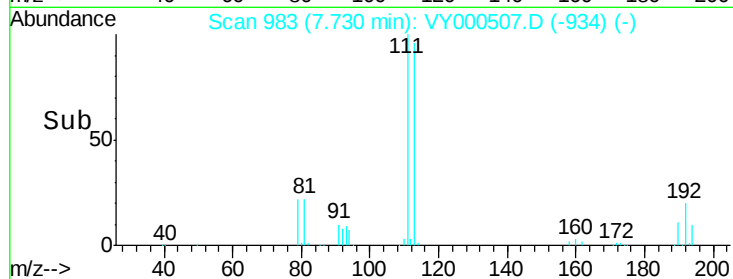
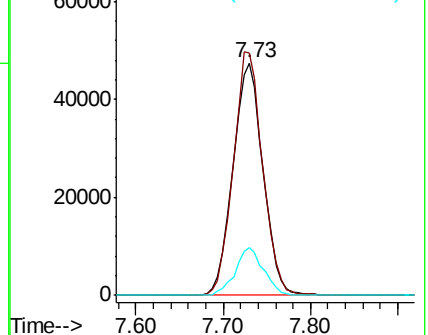
192 19.2 15.0 22.4



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: 4.482 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000507.D

Acq: 31 Oct 2019 15:48

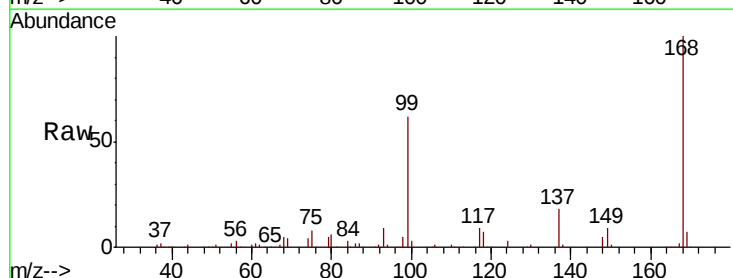
Tgt Ion: 75 Resp: 16188

Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.1#

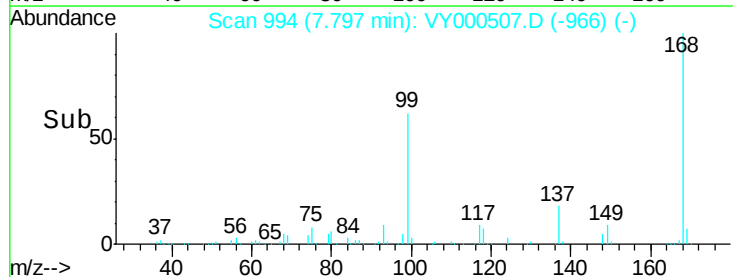
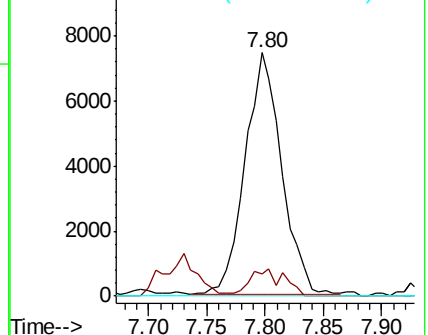
77 0.0 25.0 37.6#

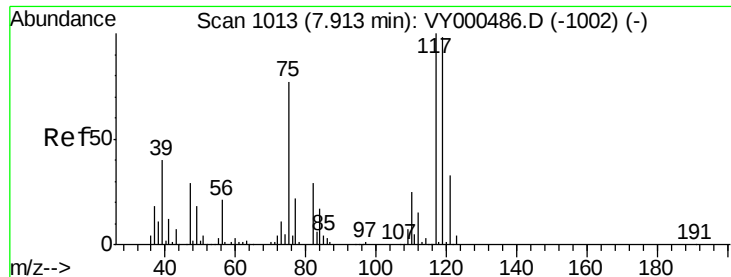


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 5.733 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000507.D

Acq: 31 Oct 2019 15:48

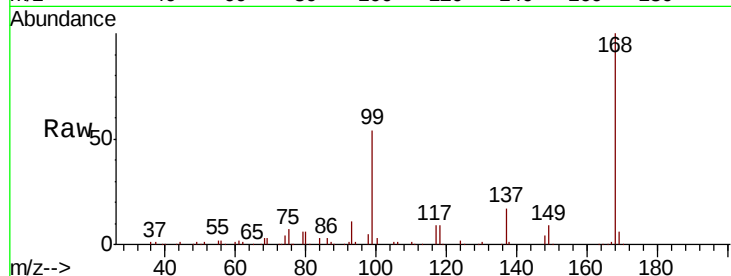
Tot Ion:117 Resp: 19925

Ion Ratio Lower Upper

117 100

119 4.3 78.0 117.0#

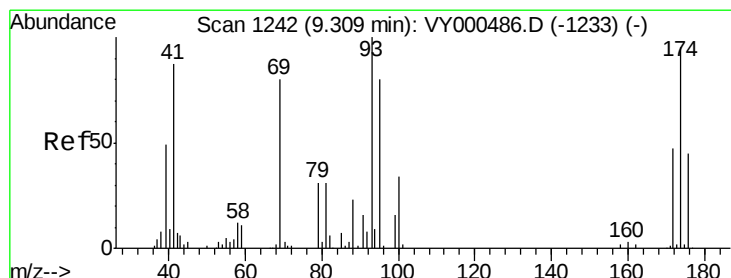
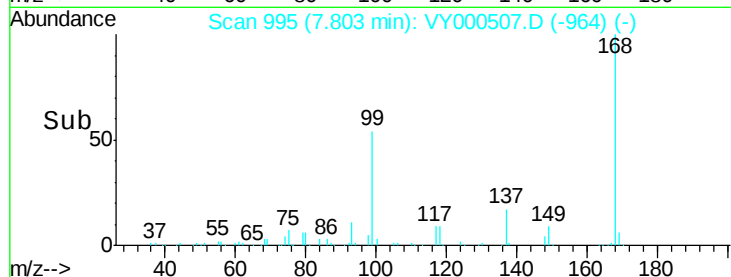
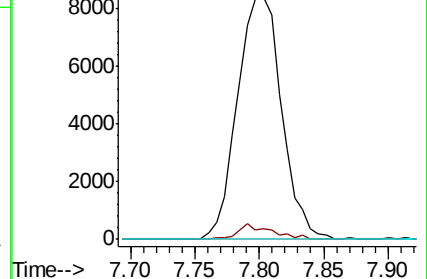
121 0.0 26.6 40.0#



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: 1.141 ug/l

RT: 9.25 min Scan# 1232

Delta R.T. -0.06 min

Lab File: VY000507.D

Acq: 31 Oct 2019 15:48

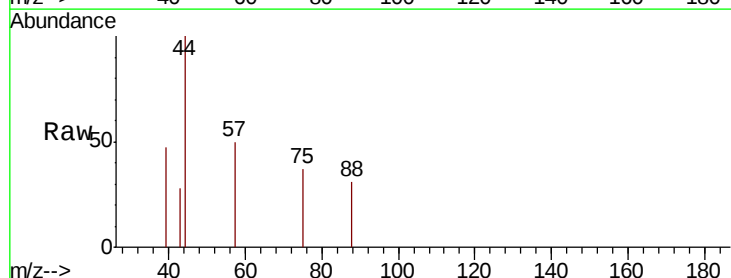
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 181.8 25.1 37.7#

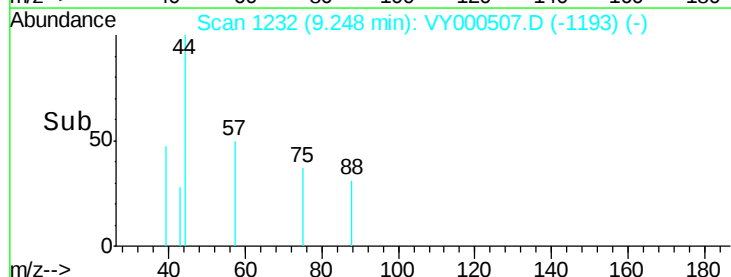
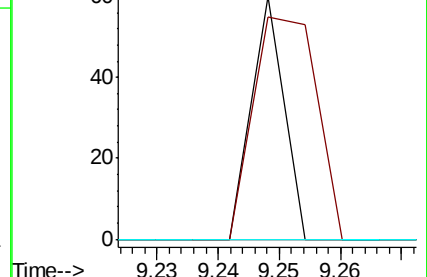
58 0.0 50.6 75.8#

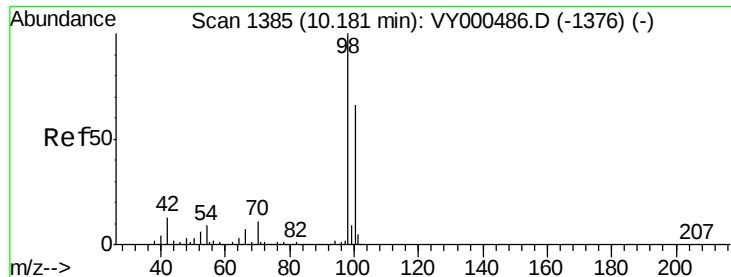


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

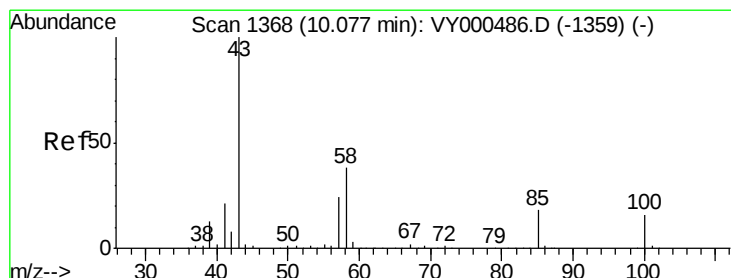
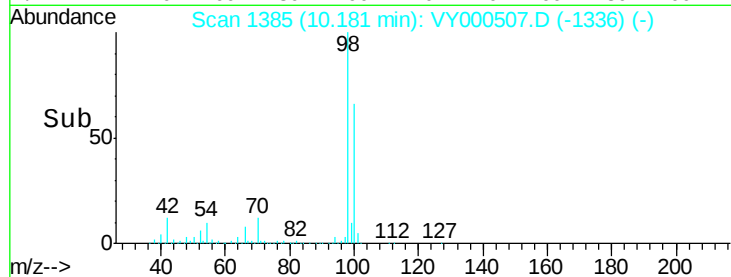
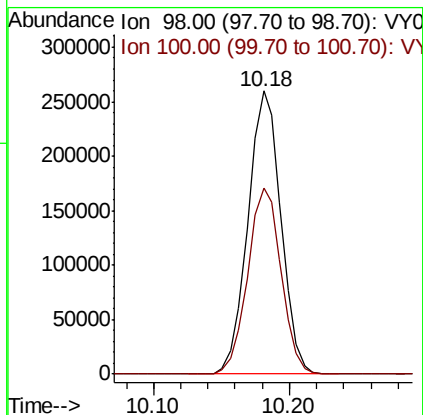
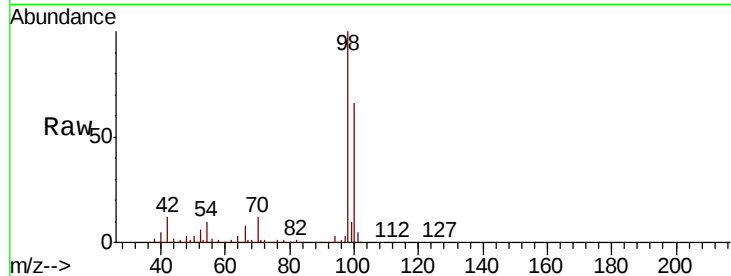
Ion 58.00 (57.70 to 58.70): VY0





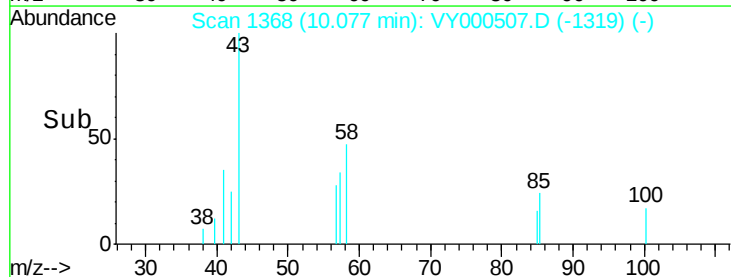
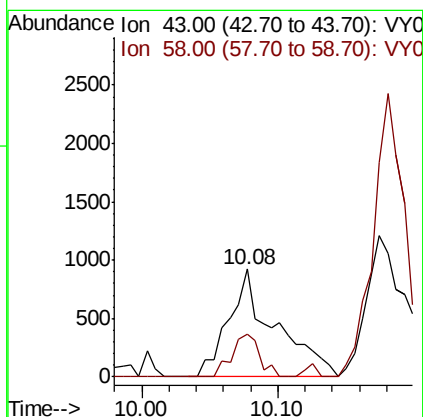
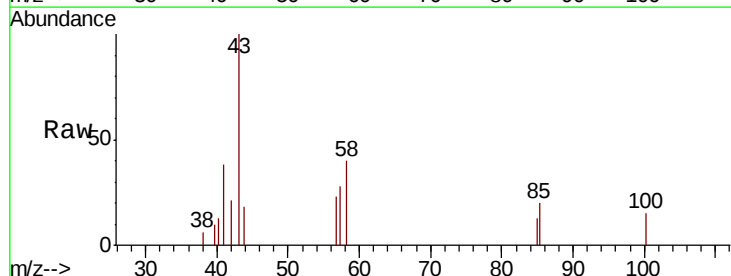
#50
Toluene-d8
Concen: 51.828 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000507.D
Acq: 31 Oct 2019 15:48

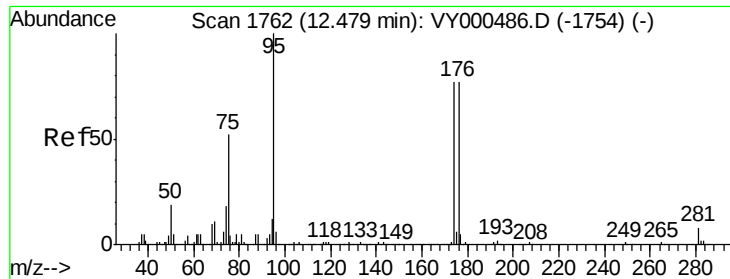
Tot Ion: 98 Resp: 441082
Ion Ratio Lower Upper
98 100
100 66.8 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.024 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VY000507.D
Acq: 31 Oct 2019 15:48

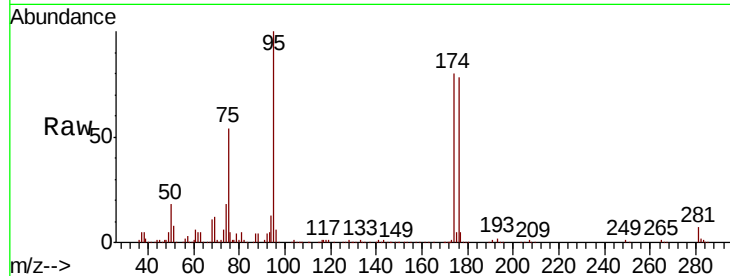
Tgt Ion: 43 Resp: 2194
Ion Ratio Lower Upper
43 100
58 24.0 30.2 45.4#





#62
4-Bromofluorobenzene
Concen: 45.236 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000507.D
Acq: 31 Oct 2019 15:48

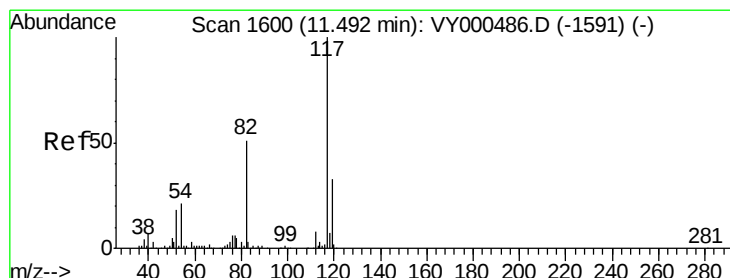
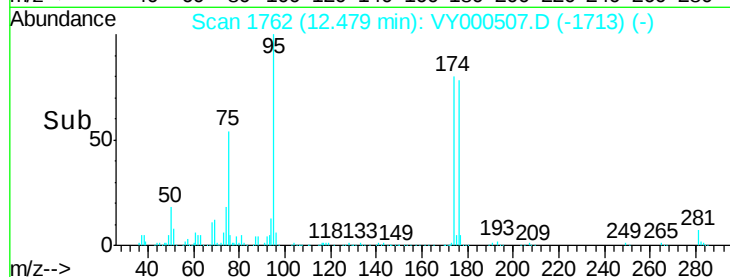
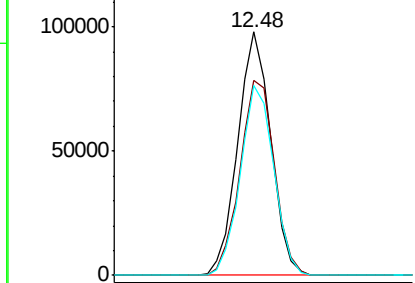
Tot Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	161.6
176	79.1	0.0	157.8



Abundance Ion 94.90 (94.60 to 95.60): VY000507.D (-1713) (-)

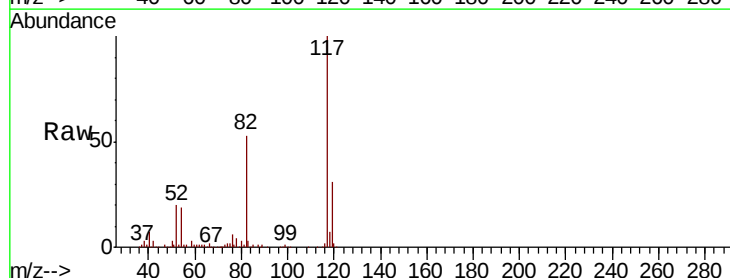
Ion 173.80 (173.50 to 174.50): VY000507.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY000507.D (-1713) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000507.D
Acq: 31 Oct 2019 15:48

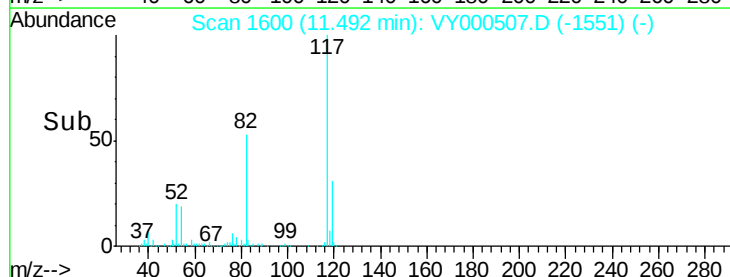
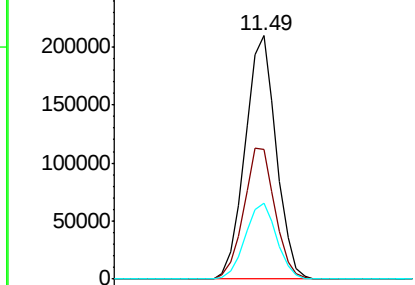
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.0	40.8	61.2
119	31.0	26.2	39.2

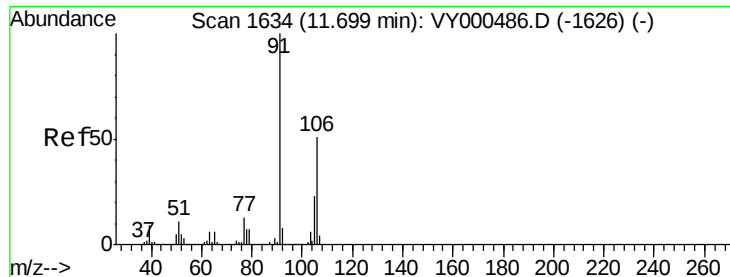


Abundance Ion 116.90 (116.60 to 117.60): VY000507.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY000507.D (-1551) (-)

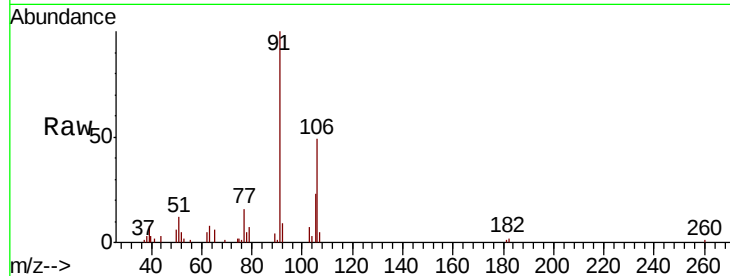
Ion 118.90 (118.60 to 119.60): VY000507.D (-1551) (-)



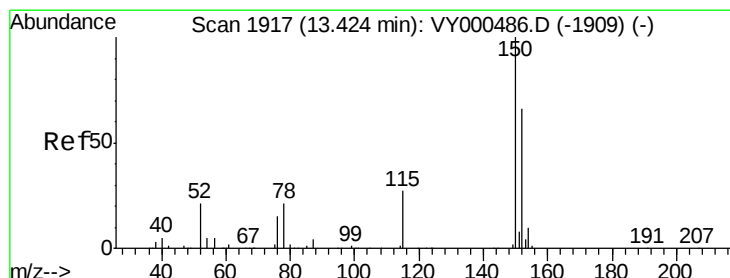
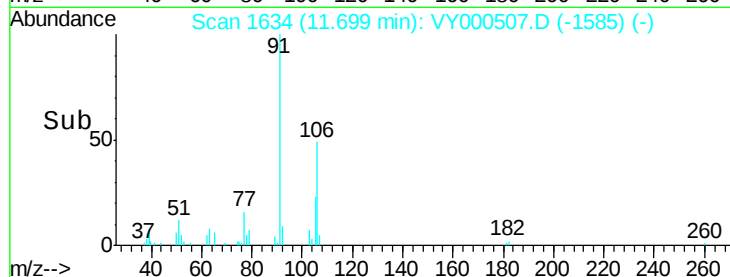
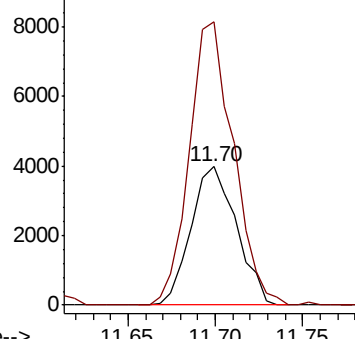


#68
m/p-Xvlenes
Concen: 1.495 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000507.D
Acq: 31 Oct 2019 15:48

Tot Ion:106 Resp: 7233
Ion Ratio Lower Upper
106 100
91 197.1 155.9 233.9

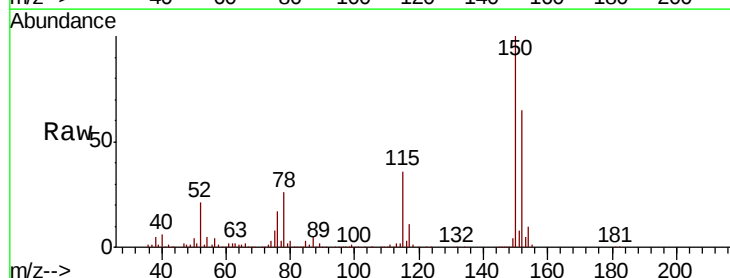


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

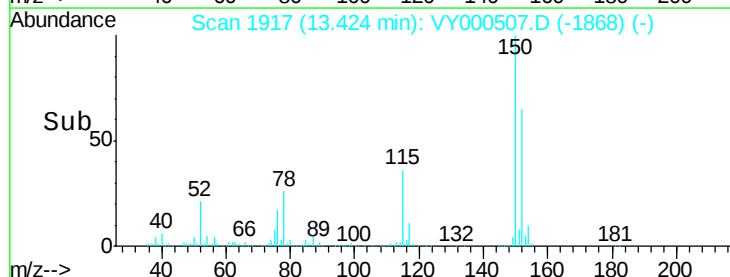
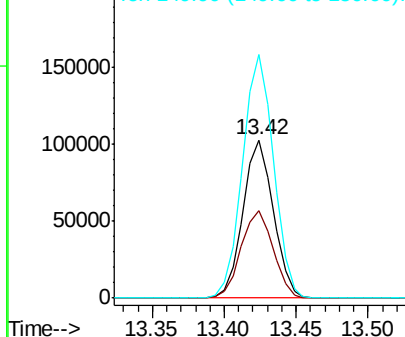


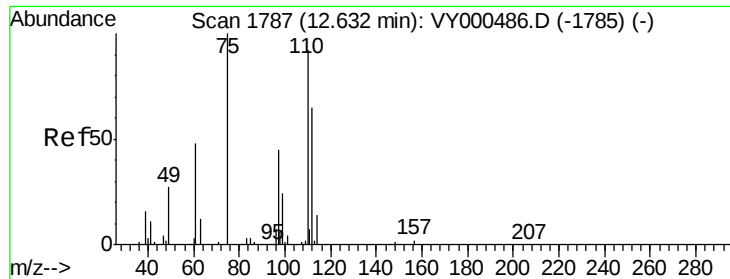
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000507.D
Acq: 31 Oct 2019 15:48

Tgt Ion:152 Resp: 150402
Ion Ratio Lower Upper
152 100
115 58.6 29.1 87.4
150 157.1 0.0 348.8



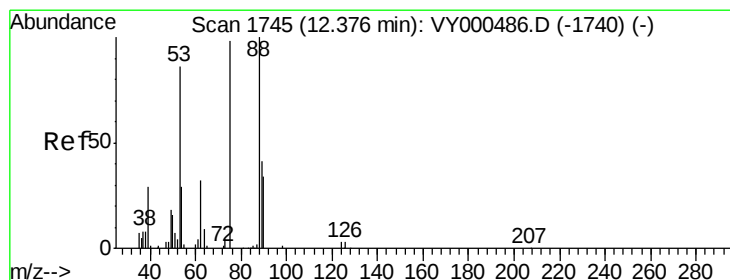
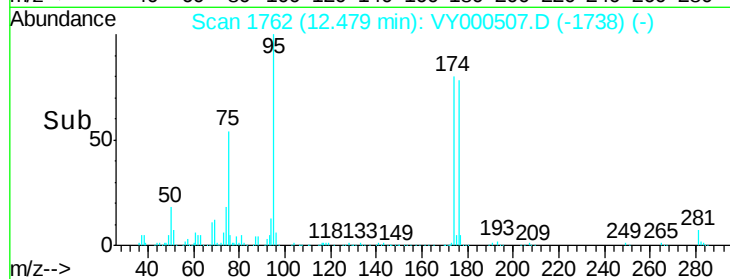
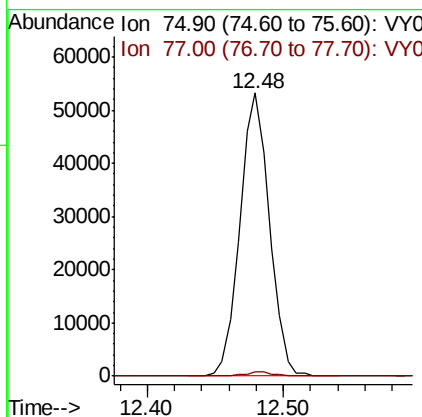
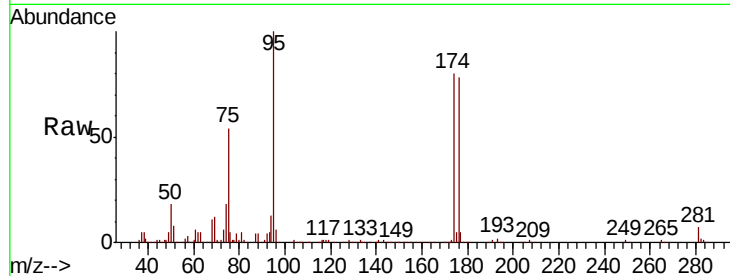
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





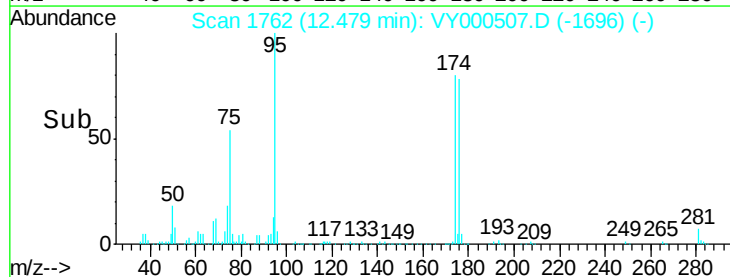
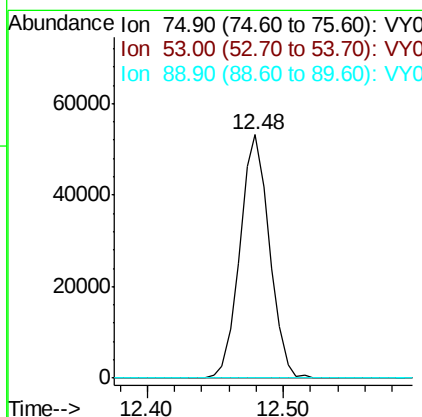
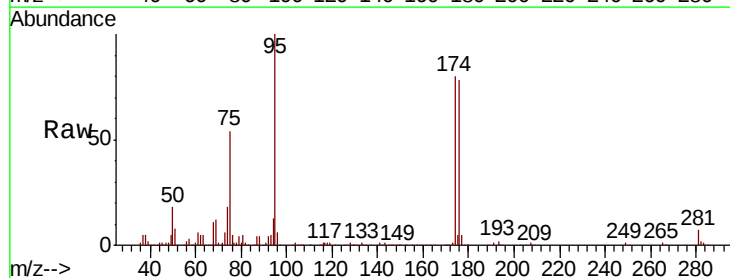
#76
 1,2,3-Trichloropropane
 Concen: 46.897 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY000507.D
 Acq: 31 Oct 2019 15:48

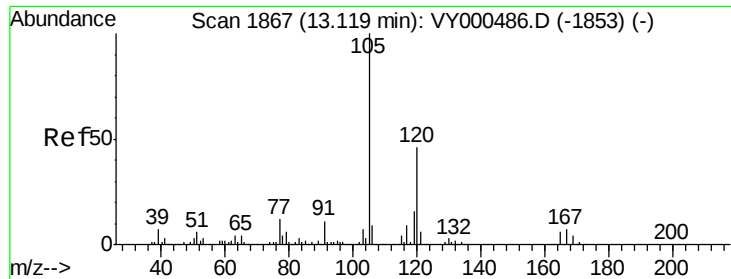
Tot Ion: 75 Resp: 80313
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.150 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY000507.D
 Acq: 31 Oct 2019 15:48

Tgt Ion: 75 Resp: 80313
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.2 109.8#
 89 0.2 35.9 53.9#





#84
 1,2,4-Trimethylbenzene
 Concen: 1.483 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY000507.D
 Acq: 31 Oct 2019 15:48

Tot Ion:105 Resp: 13667
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.3 69.9

