

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY103119\
 Data File : VY000515.D
 Acq On : 31 Oct 2019 19:40
 Operator : SY/MD
 Sample : K5628-01RE
 Misc : 8.23G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

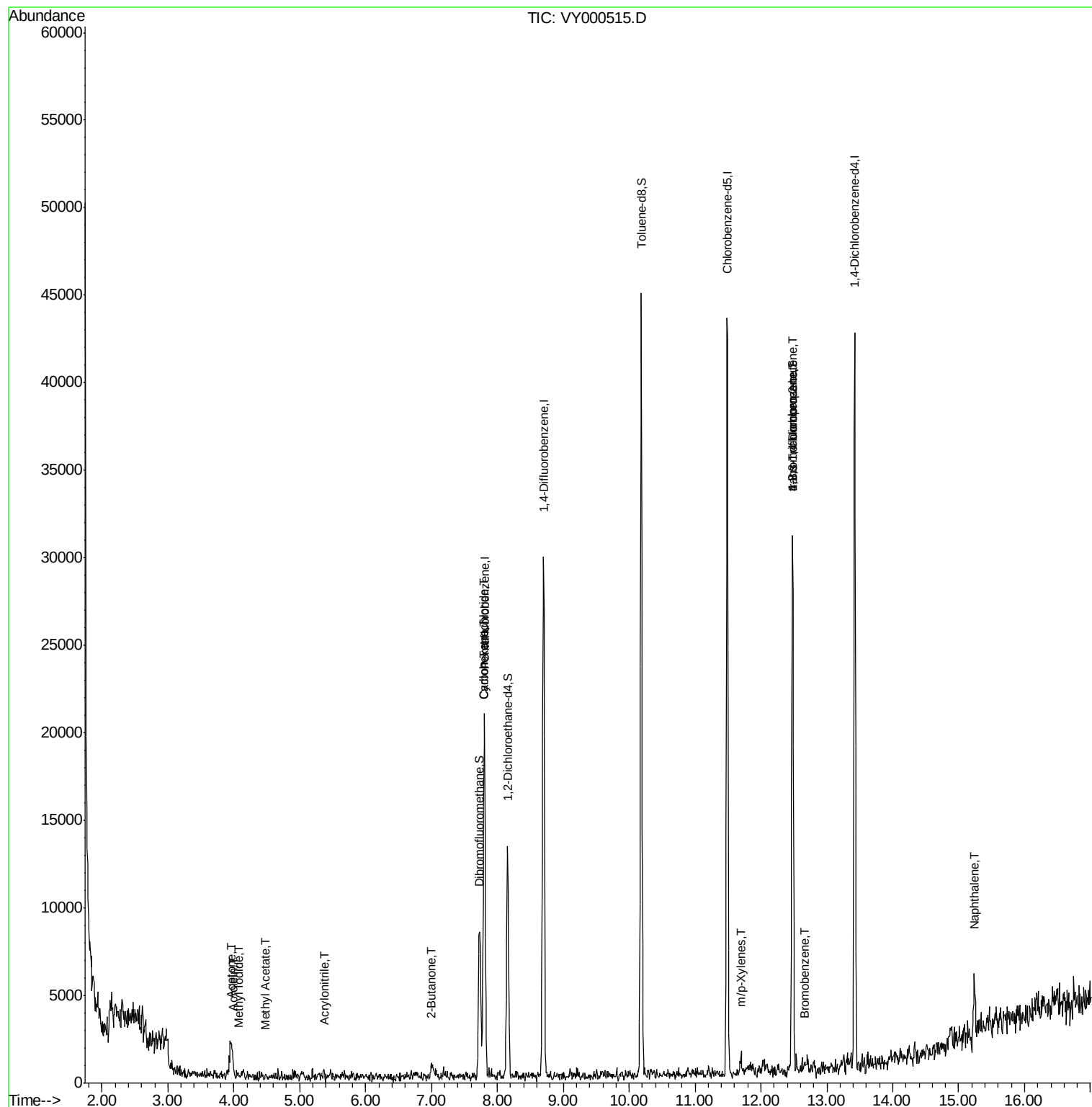
Quant Time: Nov 01 05:53:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

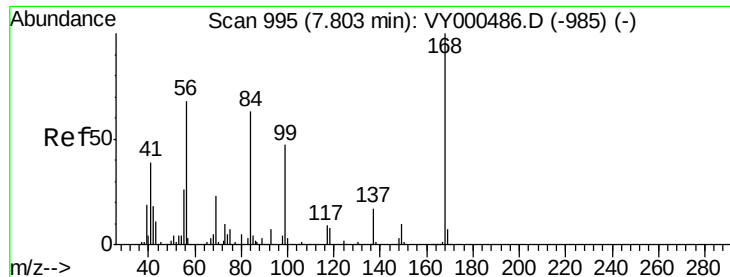
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	15584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	25023	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	22743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	9903	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	9877	61.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.48%	
35) Dibromofluoromethane	7.73	113	6243	42.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.00%	
50) Toluene-d8	10.18	98	28126	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.48	95	9817	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.06	142	44	3.395	ug/l #	41
13) Acrolein	3.99	56	40	2.925	ug/l #	14
15) Acrylonitrile	5.37	53	64	1.327	ug/l #	18
16) Acetone	3.96	43	3535	79.529	ug/l #	83
18) Methyl Acetate	4.48	43	155	1.122	ug/l #	51
25) 2-Butanone	7.00	43	253	3.567	ug/l #	49
31) Cyclohexane	7.79	56	425	1.361	ug/l #	54
38) Carbon Tetrachloride	7.79	117	986	4.332	ug/l #	11
68) m/p-Xylenes	11.70	106	392	1.193	ug/l	90
76) 1,2,3-Trichloropropane	12.48	75	4494	39.855	ug/l #	100
77) Bromobenzene	12.66	156	256	1.542	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	4494	89.360	ug/l #	13
95) Naphthalene	15.23	128	2075	4.654	ug/l #	90

(#) = 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: VY000515.D

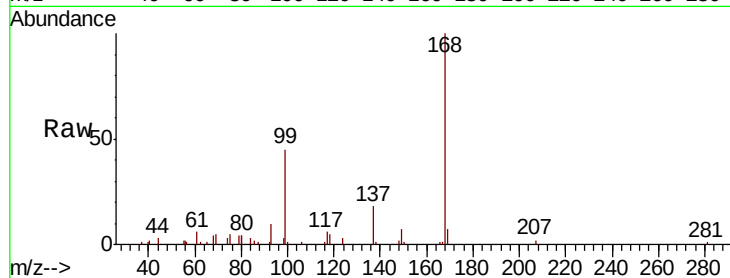
Acq: 31 Oct 2019 19:40

Tot Ion:168 Resp: 15584

Ion Ratio Lower Upper

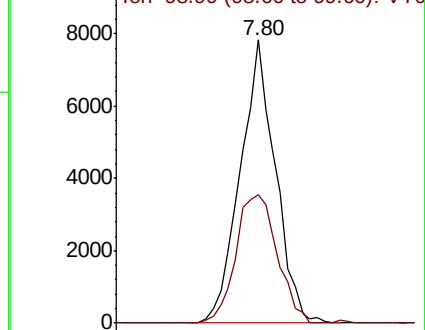
168 100

99 45.3 45.7 68.5#

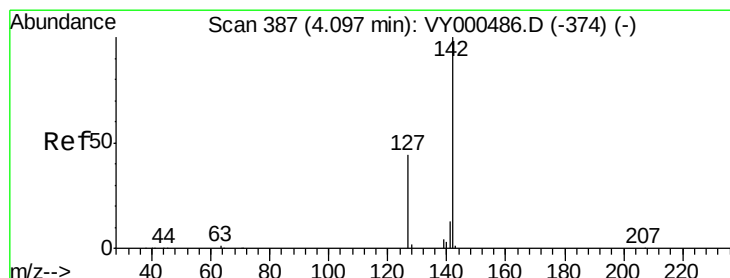
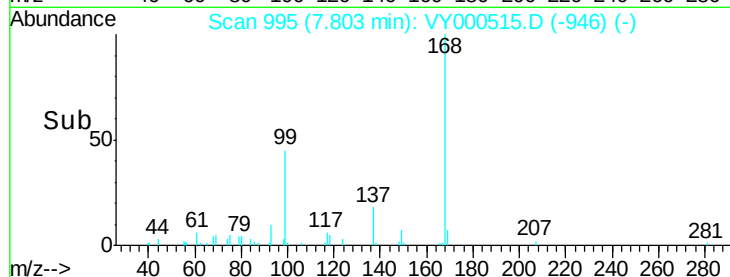


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



Time--> 7.70 7.75 7.80 7.85 7.90



#10

Methyl Iodide

Concen: 3.395 ug/l

RT: 4.06 min Scan# 381

Delta R.T. -0.04 min

Lab File: VY000515.D

Acq: 31 Oct 2019 19:40

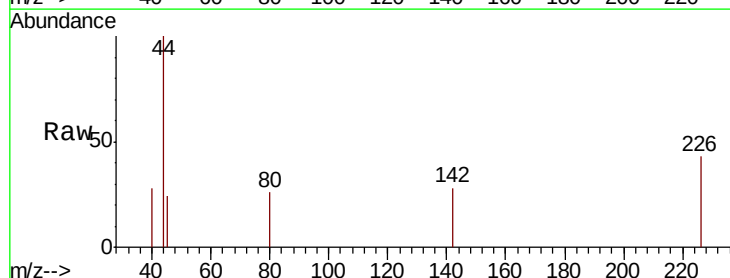
Tgt Ion:142 Resp: 44

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

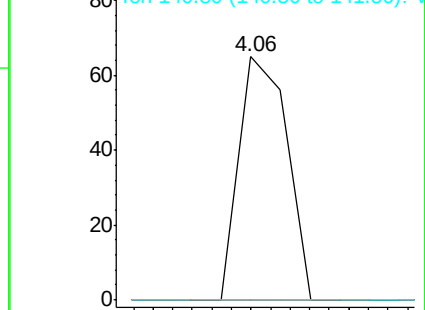
141 0.0 10.9 16.3#



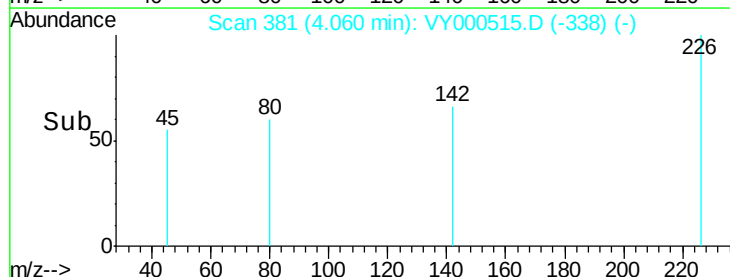
Abundance Ion 141.80 (141.50 to 142.50): V

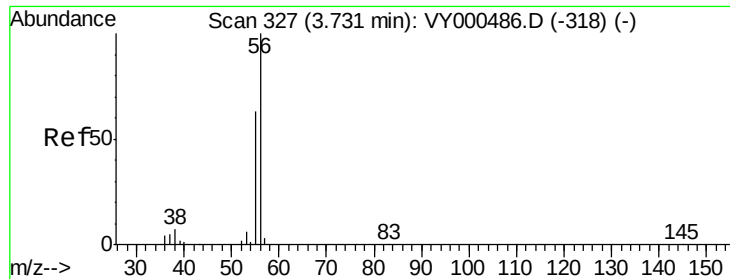
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time--> 4.04 4.06 4.08





#13

Acrolein

Concen: 2.925 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.26 min

Lab File: VY000515.D

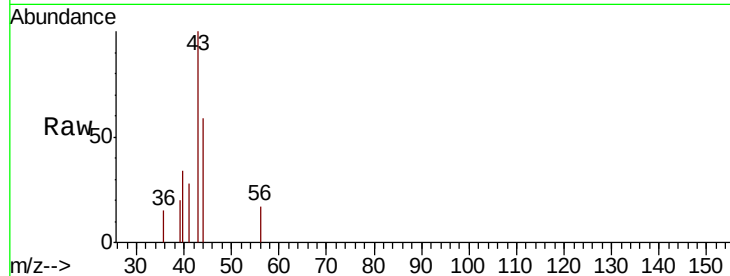
Acq: 31 Oct 2019 19:40

Tot Ion: 56 Resp: 40

Ion Ratio Lower Upper

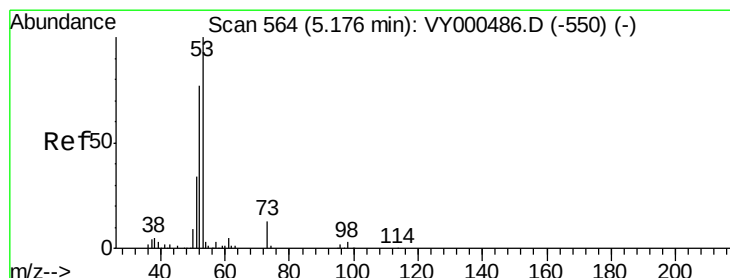
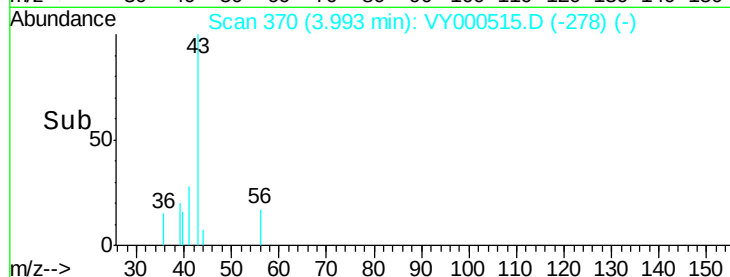
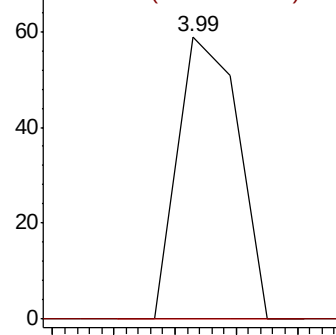
56 100

55 0.0 57.0 85.6#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#15

Acrylonitrile

Concen: 1.327 ug/l

RT: 5.37 min Scan# 596

Delta R.T. 0.20 min

Lab File: VY000515.D

Acq: 31 Oct 2019 19:40

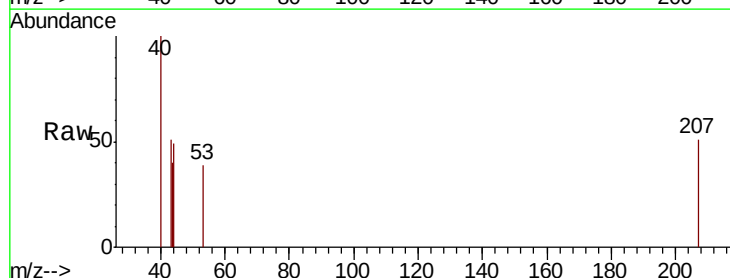
Tgt Ion: 53 Resp: 64

Ion Ratio Lower Upper

53 100

52 0.0 64.9 97.3#

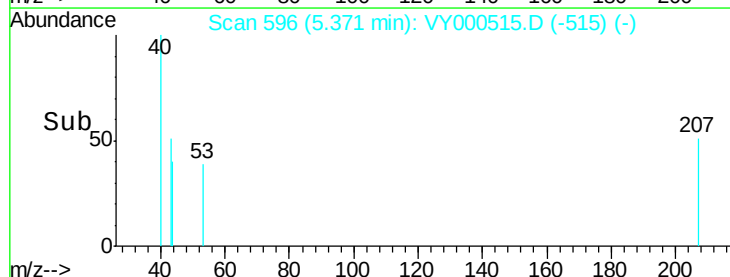
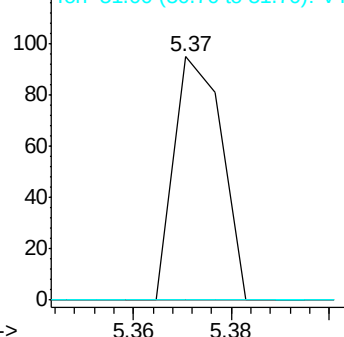
51 0.0 27.6 41.4#

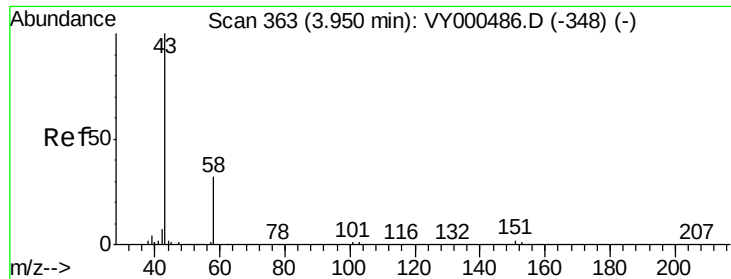


Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0





#16

Acetone

Concen: 79.529 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000515.D

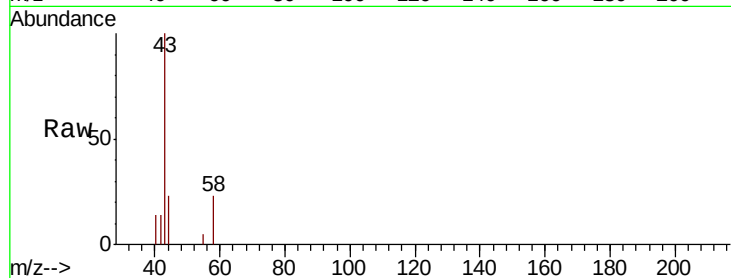
Acq: 31 Oct 2019 19:40

Tot Ion: 43 Resp: 3535

Ion Ratio Lower Upper

43 100

58 22.8 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

1500

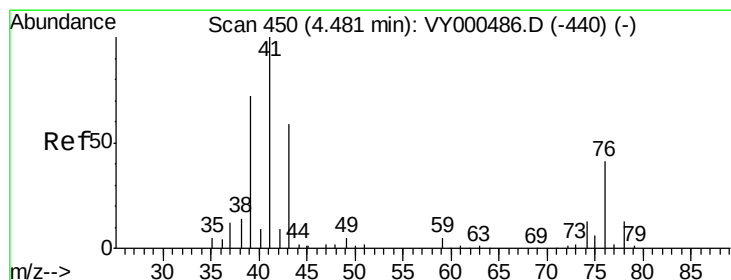
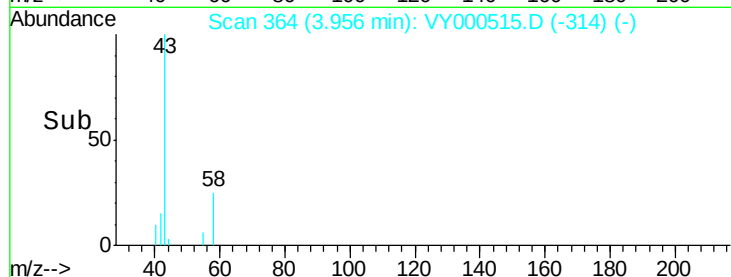
3.96

1000

500

0

Time--> 3.85 3.90 3.95 4.00 4.05



#18

Methyl Acetate

Concen: 1.122 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.00 min

Lab File: VY000515.D

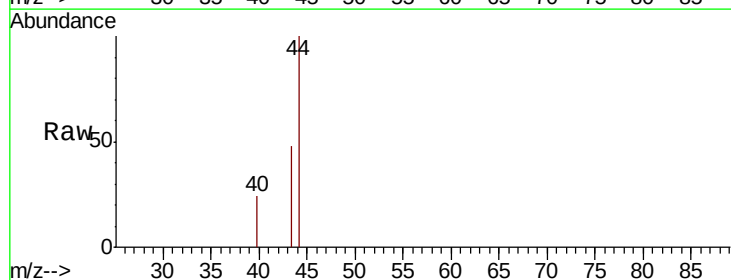
Acq: 31 Oct 2019 19:40

Tgt Ion: 43 Resp: 155

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

150

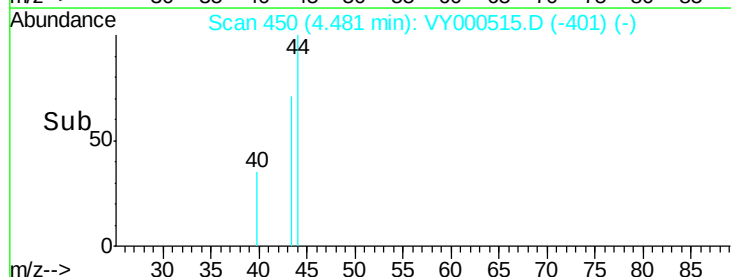
4.48

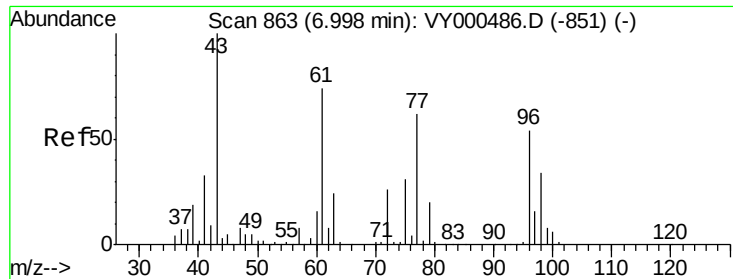
100

50

0

Time--> 4.44 4.46 4.48 4.50





#25

2-Butanone

Concen: 3.567 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000515.D

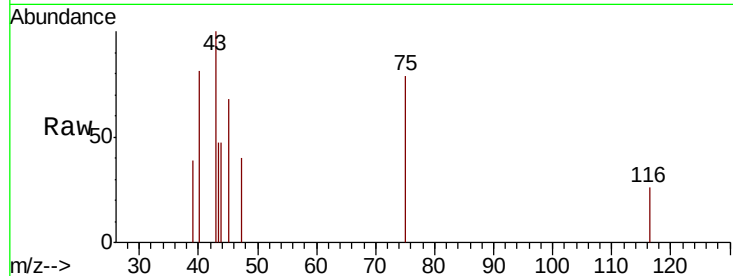
Acq: 31 Oct 2019 19:40

Tot Ion: 43 Resp: 253

Ion Ratio Lower Upper

43 100

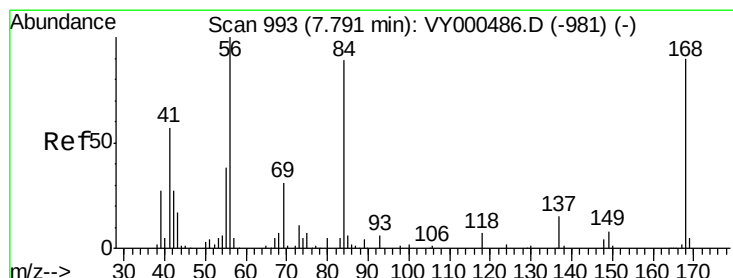
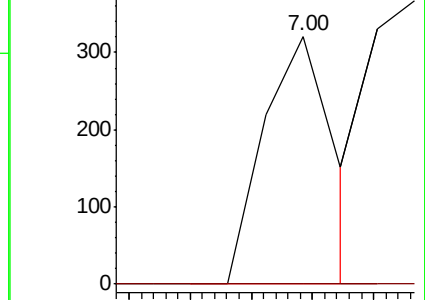
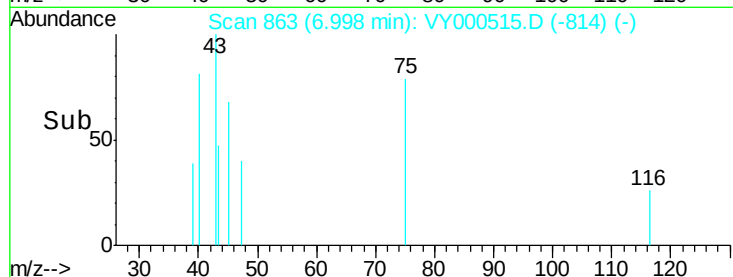
72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Time-->



#31

Cyclohexane

Concen: 1.361 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY000515.D

Acq: 31 Oct 2019 19:40

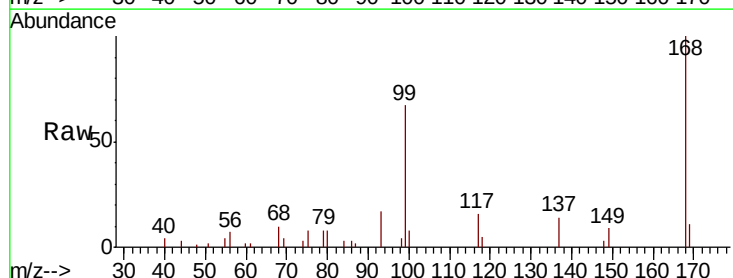
Tgt Ion: 56 Resp: 425

Ion Ratio Lower Upper

56 100

69 61.7 25.0 37.6#

84 49.7 71.4 107.2#

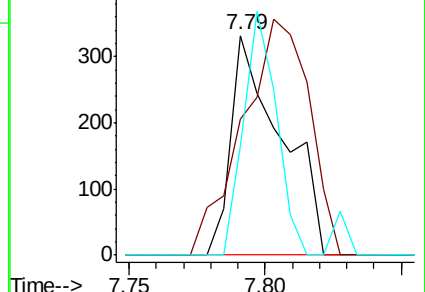
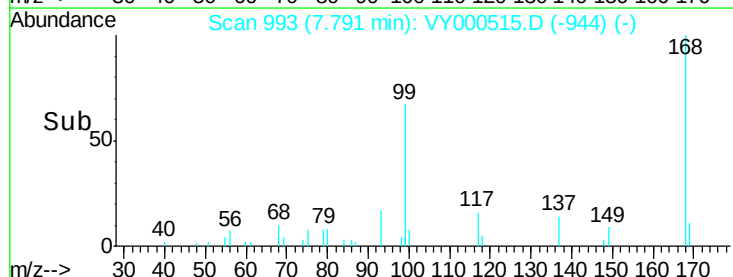


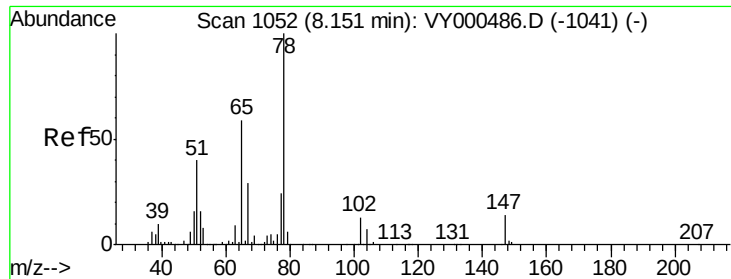
Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 61.244 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000515.D

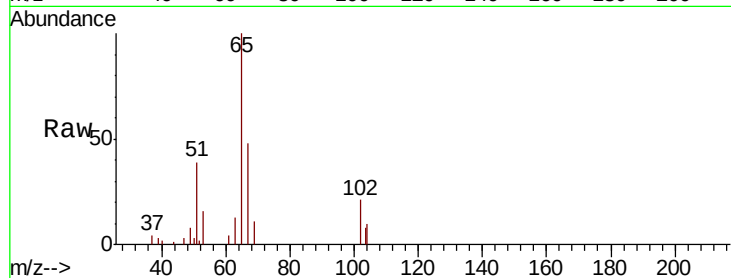
Acq: 31 Oct 2019 19:40

Tot Ion: 65 Resp: 9877

Ion Ratio Lower Upper

65 100

67 52.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.15

4000

3000

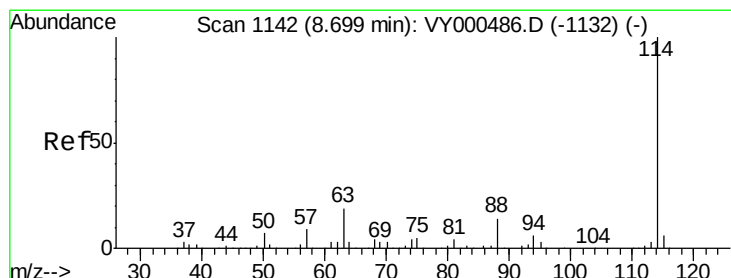
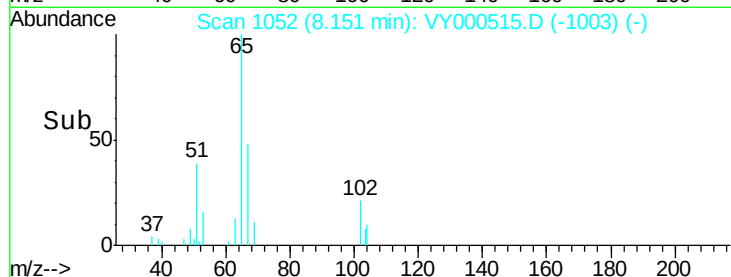
2000

1000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000515.D

Acq: 31 Oct 2019 19:40

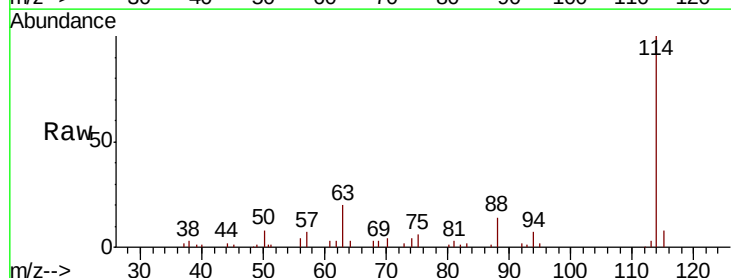
Tgt Ion: 114 Resp: 25023

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.0

88 13.6 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

15000

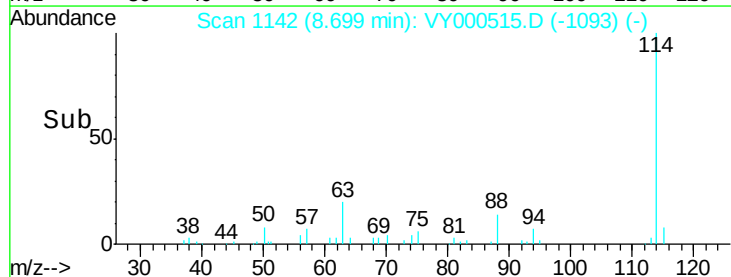
10000

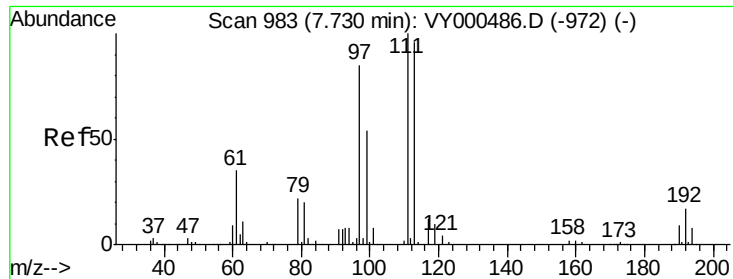
5000

0

8.60 8.65 8.70 8.75 8.80

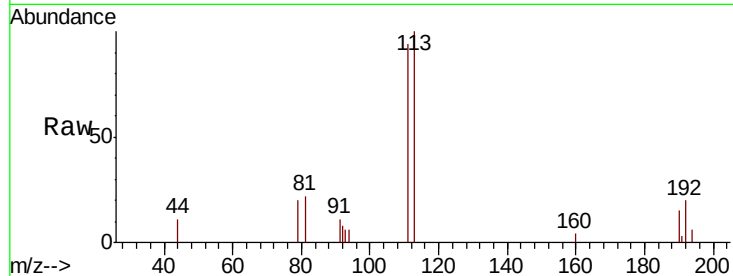
Time-->



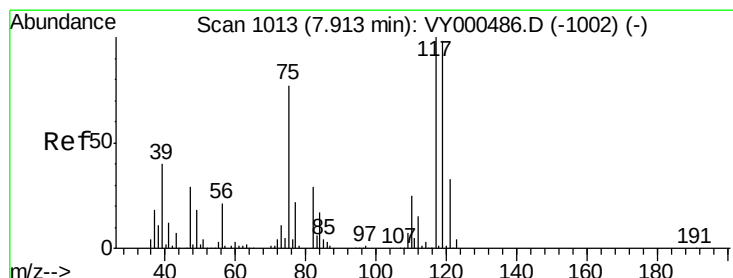
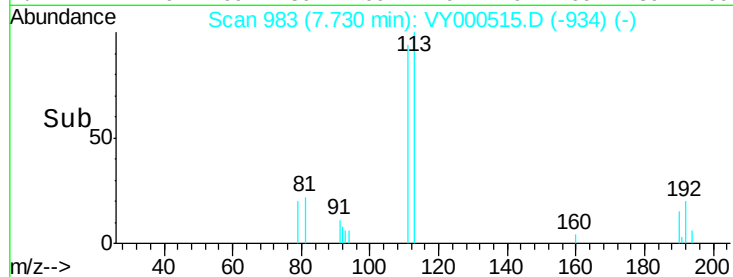
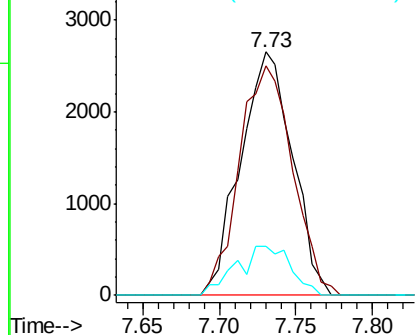


#35
 Dibromofluoromethane
 Concen: 42.498 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000515.D
 Acq: 31 Oct 2019 19:40

Tot Ion:113 Resp: 6243
 Ion Ratio Lower Upper
 113 100
 111 97.1 81.7 122.5
 192 21.1 15.0 22.4

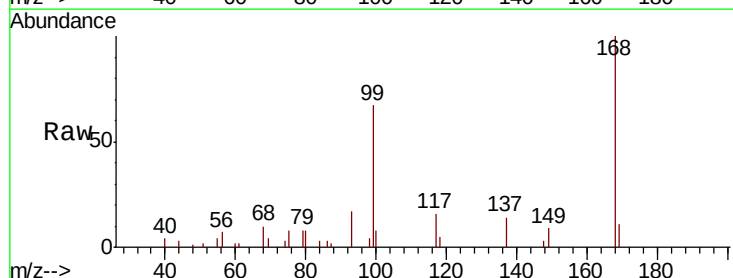


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

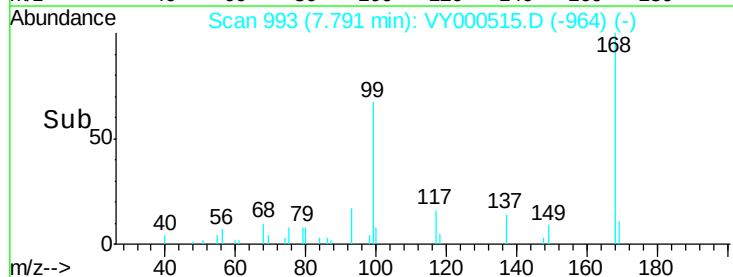
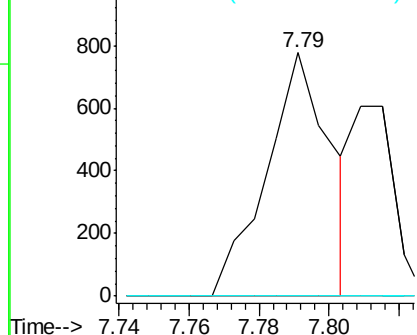


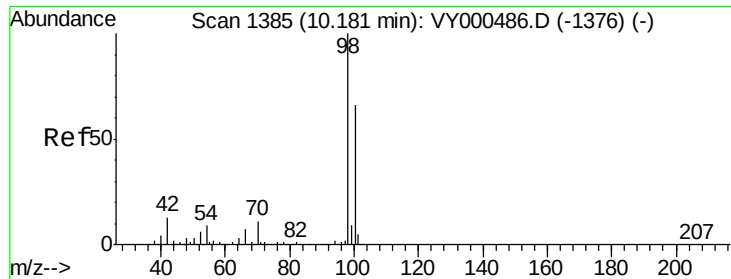
#38
 Carbon Tetrachloride
 Concen: 4.332 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VY000515.D
 Acq: 31 Oct 2019 19:40

Tgt Ion:117 Resp: 986
 Ion Ratio Lower Upper
 117 100
 119 0.0 78.0 117.0#
 121 0.0 26.6 40.0#



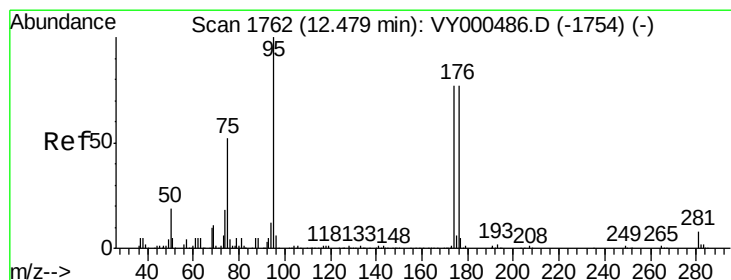
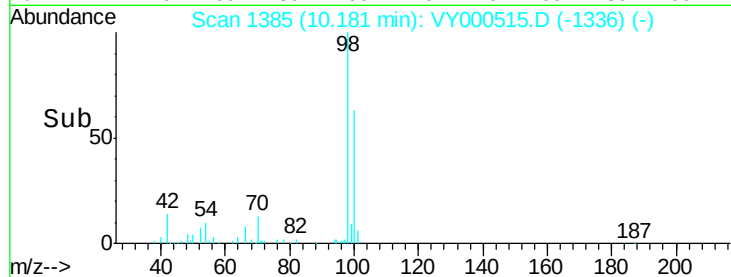
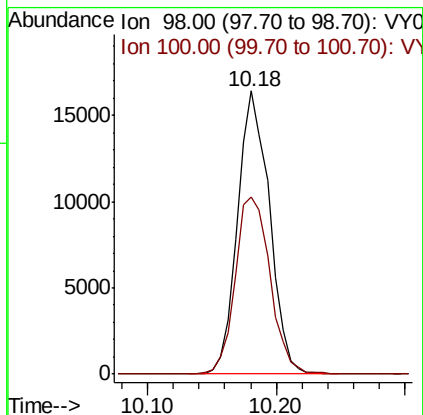
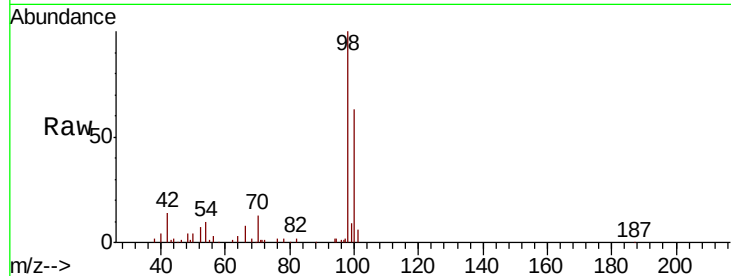
Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





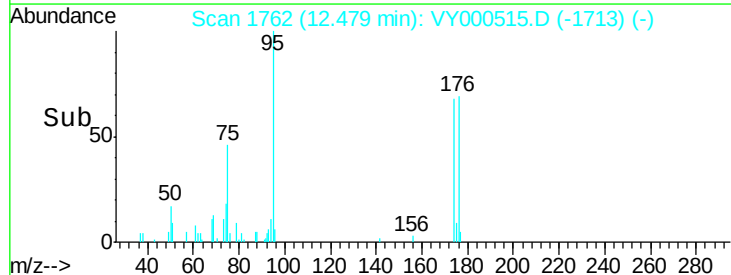
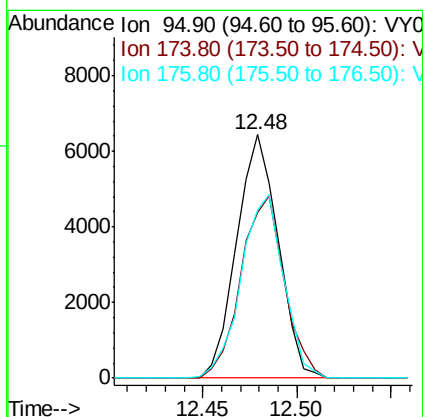
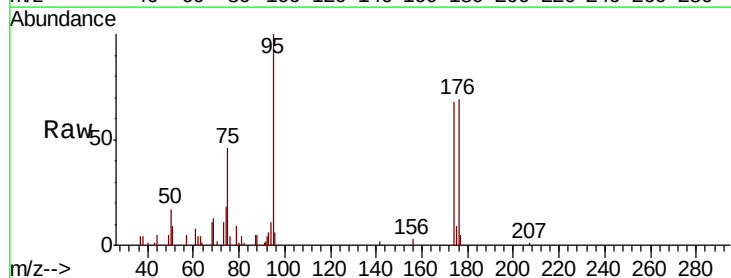
#50
Toluene-d8
Concen: 50.458 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000515.D
Acq: 31 Oct 2019 19:40

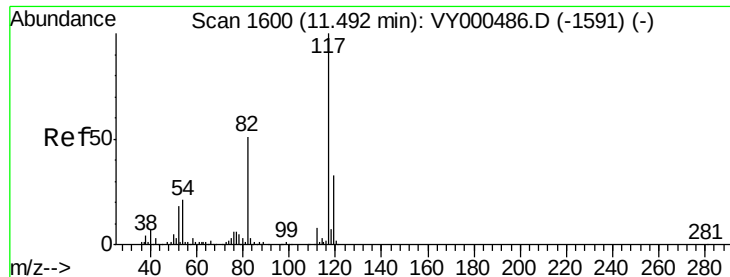
Tot Ion: 98 Resp: 28126
Ion Ratio Lower Upper
98 100
100 68.4 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 46.262 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000515.D
Acq: 31 Oct 2019 19:40

Tgt Ion: 95 Resp: 9817
Ion Ratio Lower Upper
95 100
174 78.1 0.0 161.6
176 77.4 0.0 157.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY000515.D

Acq: 31 Oct 2019 19:40

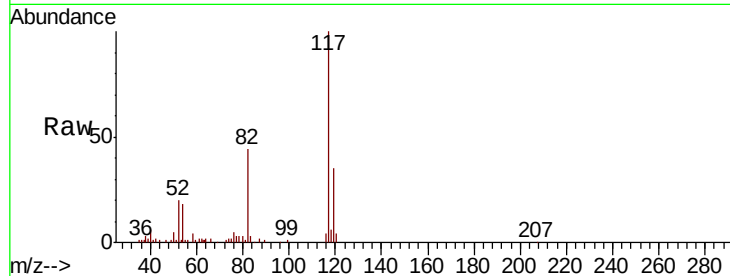
Tot Ion:117 Resp: 22743

Ion Ratio Lower Upper

117 100

82 44.4 40.8 61.2

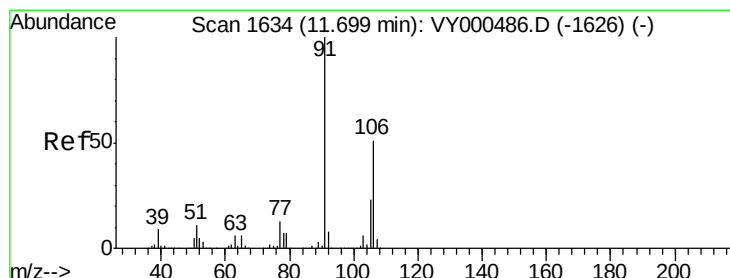
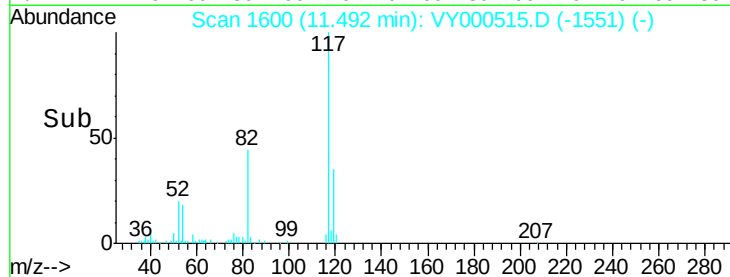
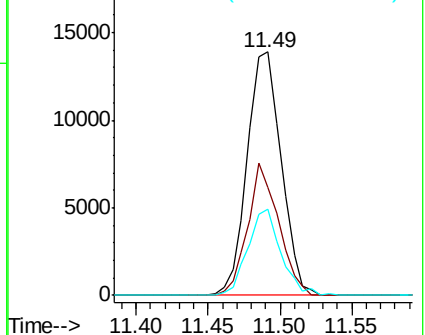
119 35.3 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#68

m/p-Xylenes

Concen: 1.193 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY000515.D

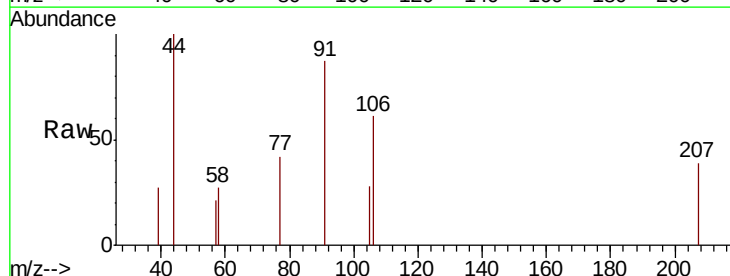
Acq: 31 Oct 2019 19:40

Tgt Ion:106 Resp: 392

Ion Ratio Lower Upper

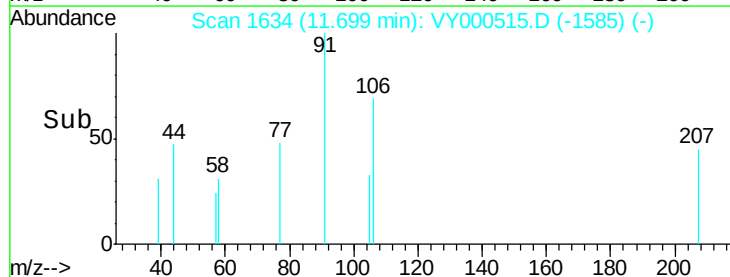
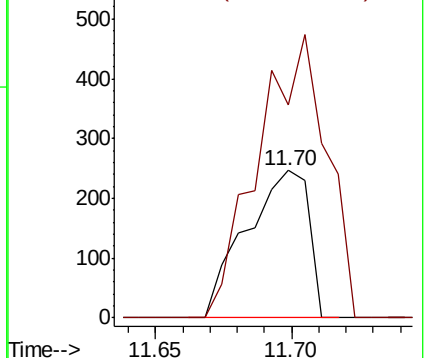
106 100

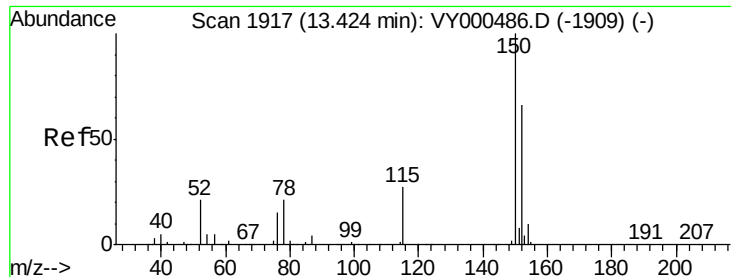
91 209.9 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

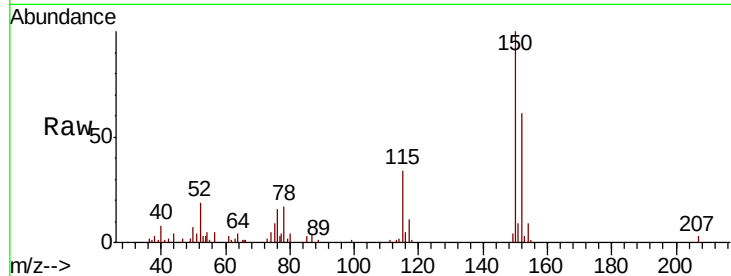




#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000515.D
Acq: 31 Oct 2019 19:40

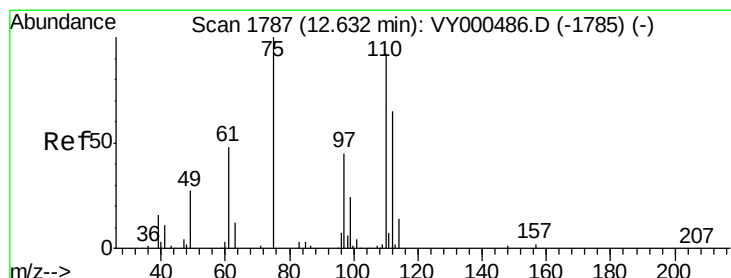
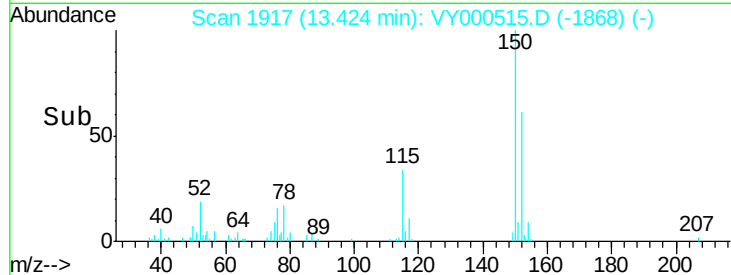
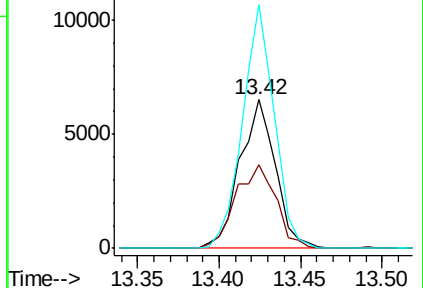
Tot Ion	Ratio	Lower	Upper
152	100		
115	63.3	29.1	87.4
150	146.8	0.0	348.8



Abundance Ion 151.90 (151.60 to 152.60): VY000486.D (-1909) (-)

Ion 114.90 (114.60 to 115.60): VY000486.D (-1909) (-)

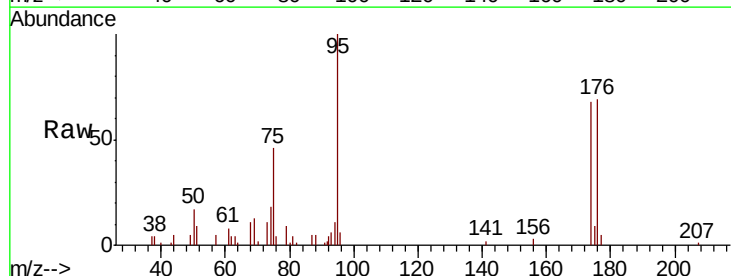
Ion 149.90 (149.60 to 150.60): VY000486.D (-1909) (-)



#76

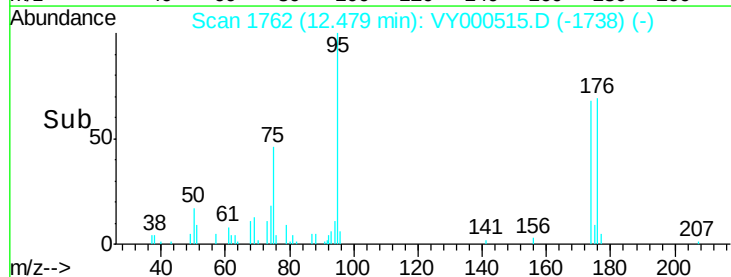
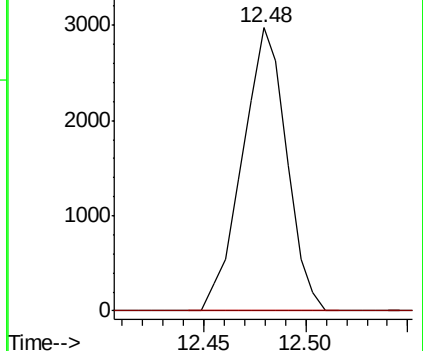
1,2,3-Trichloropropane
Concen: 39.855 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000515.D
Acq: 31 Oct 2019 19:40

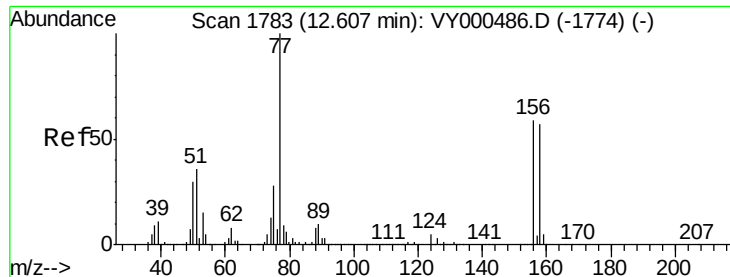
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY000486.D (-1785) (-)

Ion 77.00 (76.70 to 77.70): VY000486.D (-1785) (-)





#77

Bromobenzene

Concen: 1.542 ug/l

RT: 12.66 min Scan# 1791

Delta R.T. 0.05 min

Lab File: VY000515.D

Acq: 31 Oct 2019 19:40

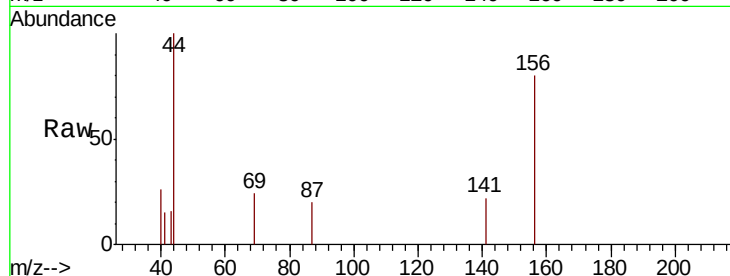
Tot Ion:156 Resp: 256

Ion Ratio Lower Upper

156 100

77 0.0 98.2 294.4#

158 0.0 49.6 149.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V

12.66

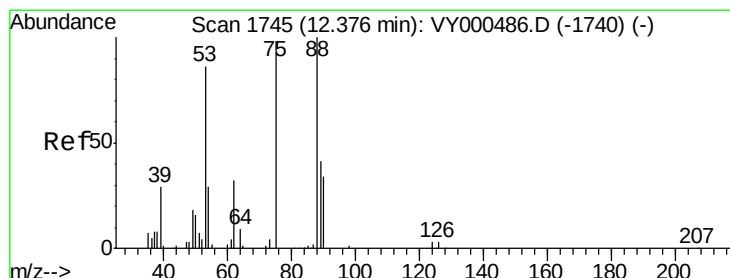
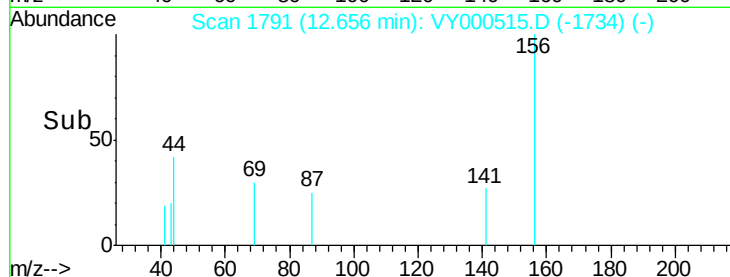
300

200

100

0

Time--> 12.62 12.64 12.66 12.68



#81

trans-1,4-Dichloro-2-butene

Concen: 89.360 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000515.D

Acq: 31 Oct 2019 19:40

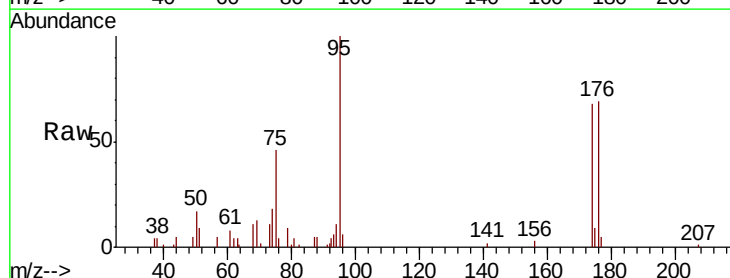
Tgt Ion: 75 Resp: 4494

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

12.48

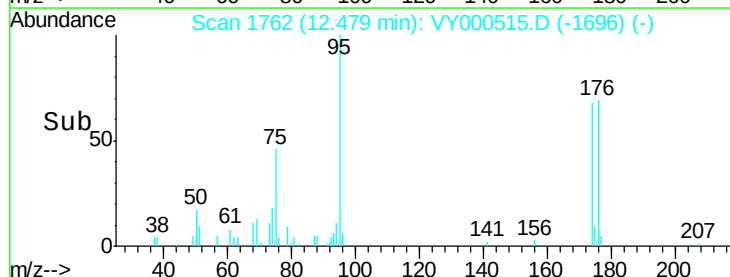
3000

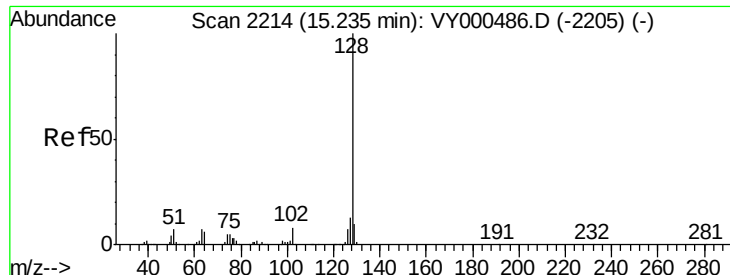
2000

1000

0

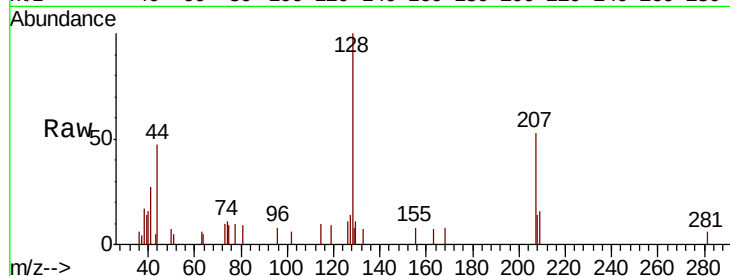
Time--> 12.45 12.50





#95
 Naphthalene
 Concen: 4.654 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VY000515.D
 Acq: 31 Oct 2019 19:40

Tot Ion	Ratio	Lower	Upper
128	100		
127	7.1	9.8	14.6#
129	13.8	8.7	13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

