

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY103119\
 Data File : VY000505.D
 Acq On : 31 Oct 2019 15:02
 Operator : SY/MD
 Sample : K5615-03
 Misc : 7.66G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 01 05:51:31 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	216517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	376945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	334248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	154474	50.00	ug/l	0.00

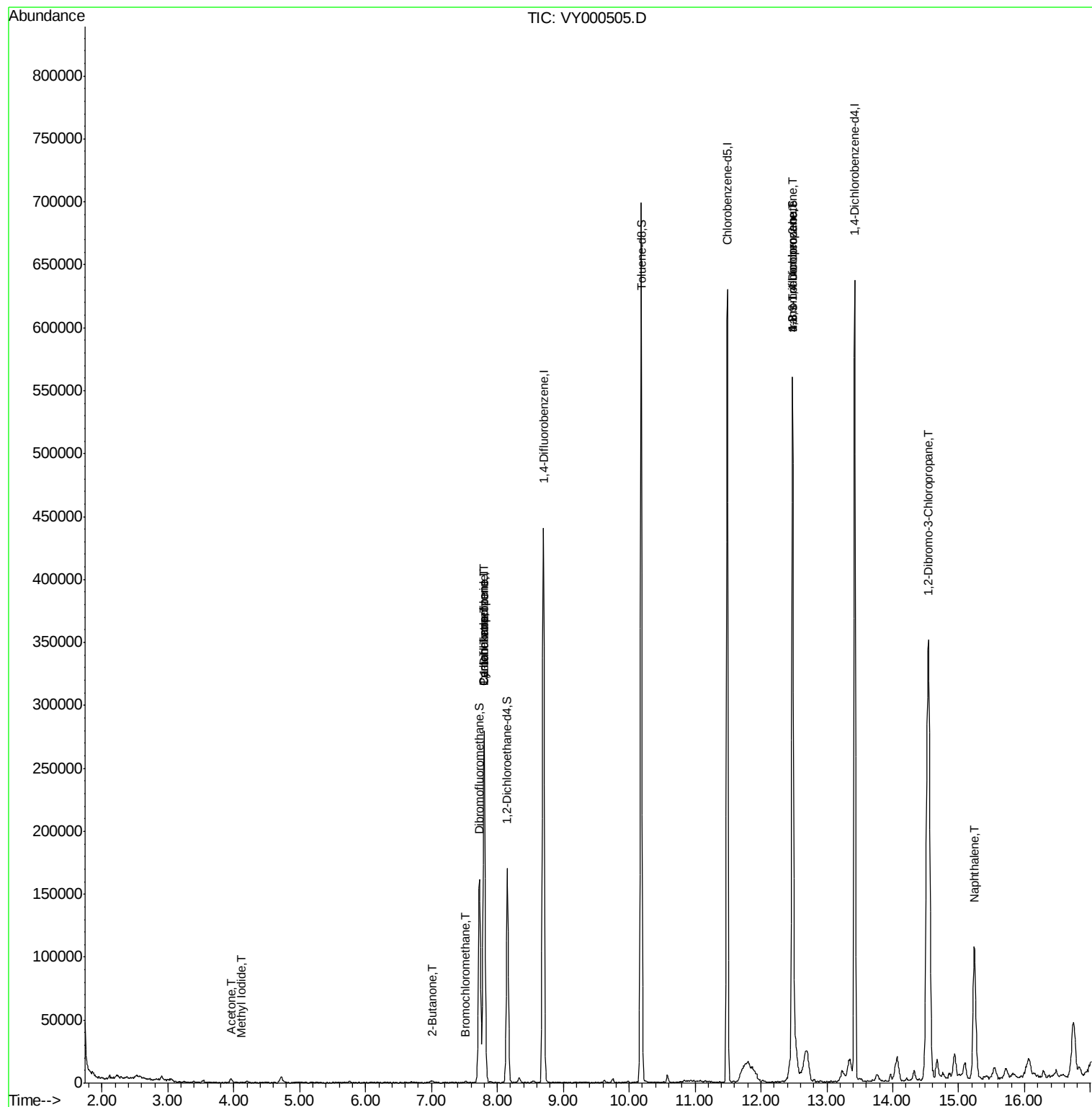
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	127700	56.99	ug/l	0.00
Spiked Amount			Recovery	=	113.98%	
35) Dibromofluoromethane	7.73	113	111323	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
50) Toluene-d8	10.18	98	440326	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
62) 4-Bromofluorobenzene	12.48	95	148869	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	

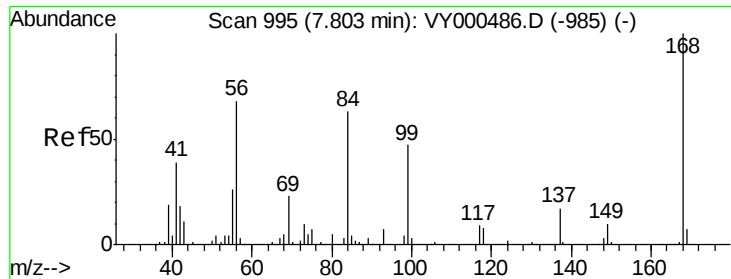
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.11	142	360	3.314	ug/l #	41
16) Acetone	3.96	43	5108	8.271	ug/l #	86
25) 2-Butanone	7.02	43	1080	1.096	ug/l #	78
28) Bromochloromethane	7.52	49	73	4.128	ug/l #	14
31) Cyclohexane	7.80	56	5130	1.183	ug/l #	2
36) 1,1-Dichloropropene	7.80	75	16932	4.752	ug/l #	50
38) Carbon Tetrachloride	7.80	117	21480	6.264	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	82045	46.646	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	82045	104.586	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.55	75	26270	65.664	ug/l #	13
95) Naphthalene	15.23	128	9529	1.370	ug/l #	86

(#) = 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# 994

Delta R.T. -0.01 min

Lab File: VY000505.D

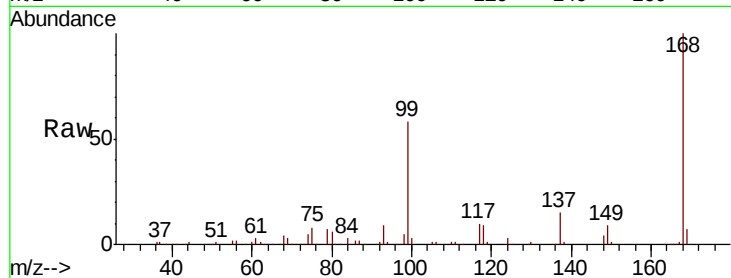
Acq: 31 Oct 2019 15:02

Tot Ion:168 Resp: 216517

Ion Ratio Lower Upper

168 100

99 57.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

100000

80000

60000

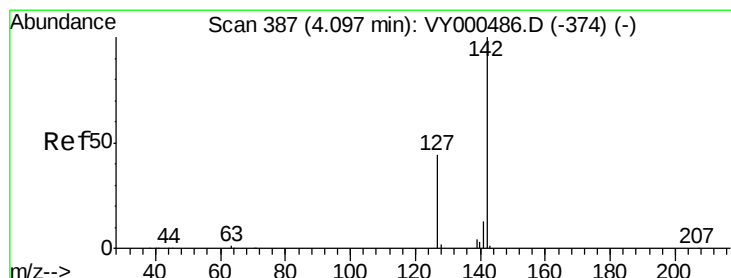
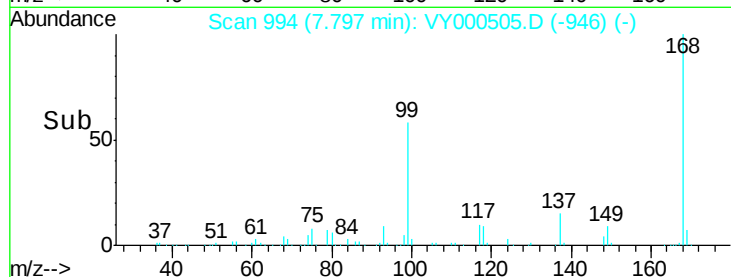
40000

20000

0

Time-->

7.70 7.80 7.90



#10

Methyl Iodide

Concen: 3.314 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000505.D

Acq: 31 Oct 2019 15:02

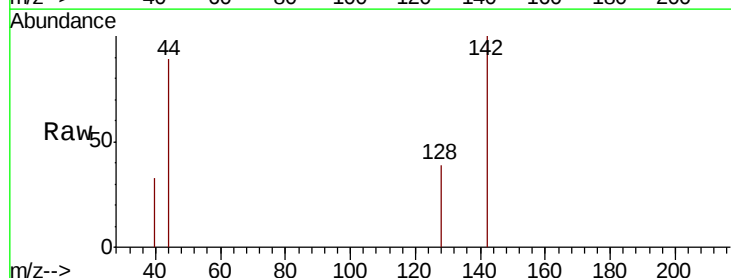
Tgt Ion:142 Resp: 360

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

400

300

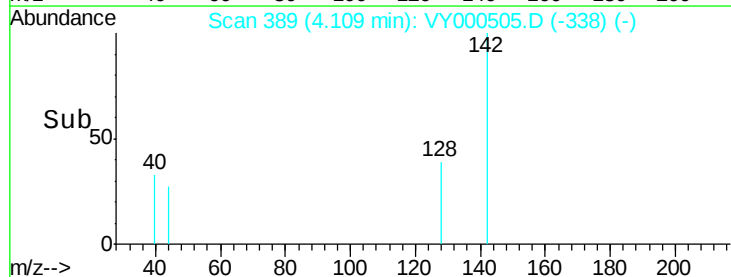
200

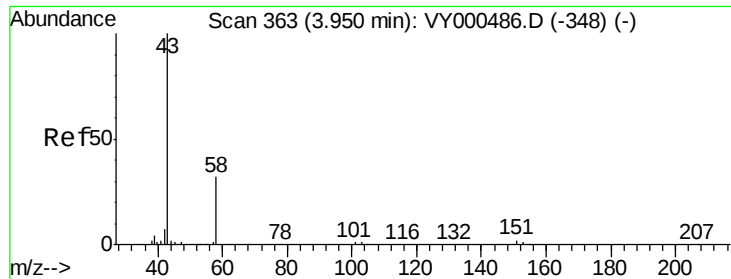
100

0

Time-->

4.05 4.10





#16

Acetone

Concen: 8.271 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000505.D

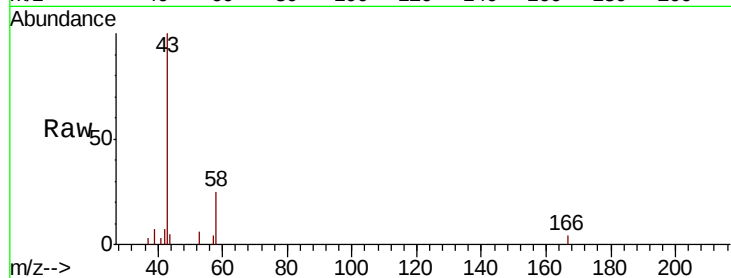
Acq: 31 Oct 2019 15:02

Tot Ion: 43 Resp: 5108

Ion Ratio Lower Upper

43 100

58 24.6 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

2500

2000

1500

1000

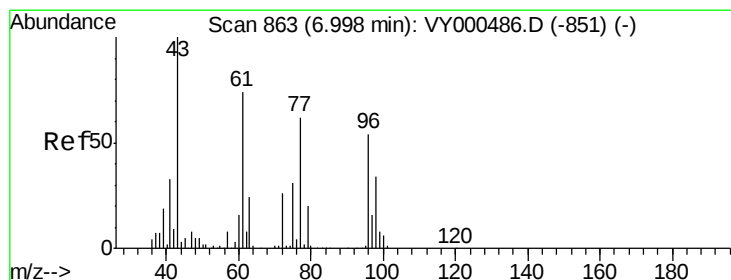
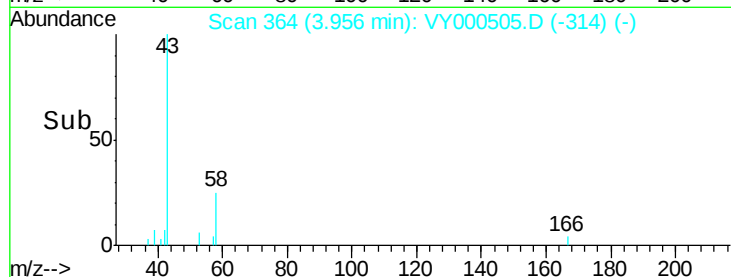
500

0

3.96

3.90 4.00

Time-->



#25

2-Butanone

Concen: 1.096 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.02 min

Lab File: VY000505.D

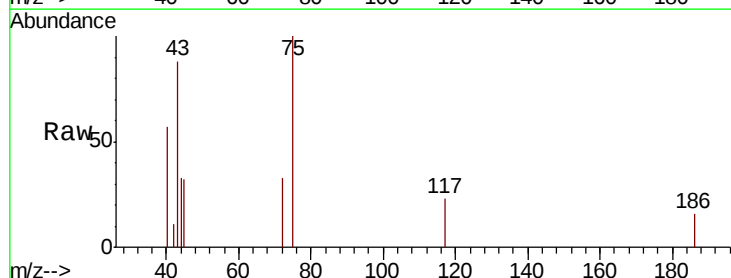
Acq: 31 Oct 2019 15:02

Tgt Ion: 43 Resp: 1080

Ion Ratio Lower Upper

43 100

72 37.2 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

600

500

400

300

200

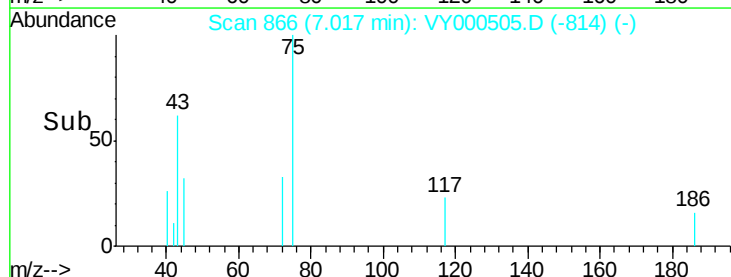
100

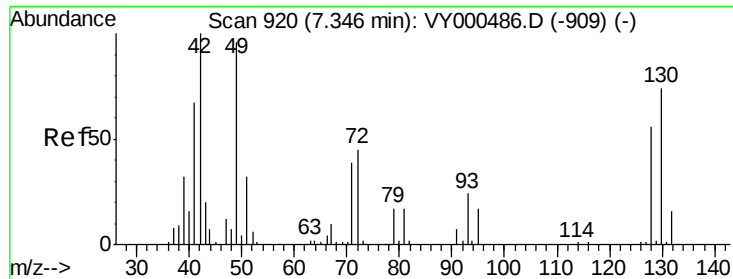
0

7.02

6.95 7.00 7.05 7.10

Time-->





#28

Bromochloromethane

Concen: 4.128 ug/l

RT: 7.52 min Scan# 948

Delta R.T. 0.17 min

Lab File: VY000505.D

Acq: 31 Oct 2019 15:02

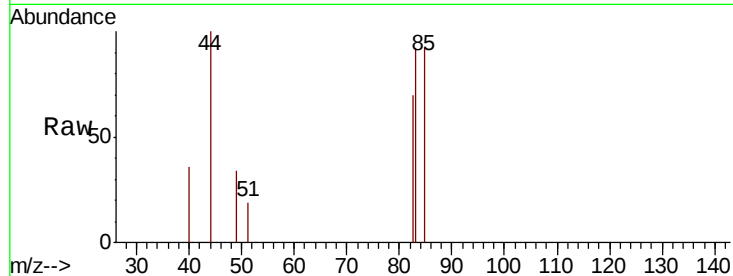
Tot Ion: 49 Resp: 73

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

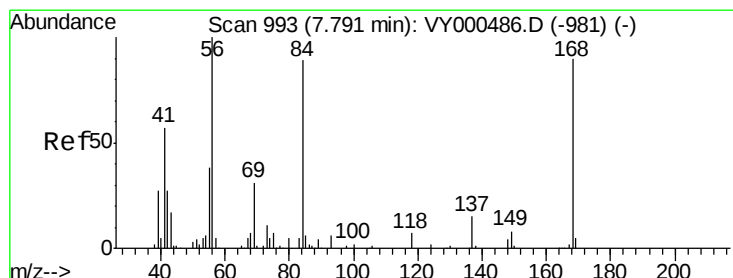
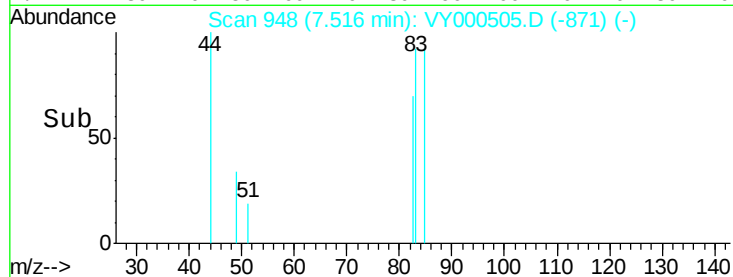
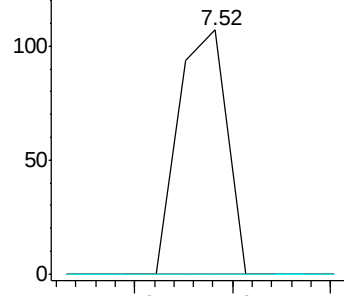
130 0.0 59.4 89.0#



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: 1.183 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000505.D

Acq: 31 Oct 2019 15:02

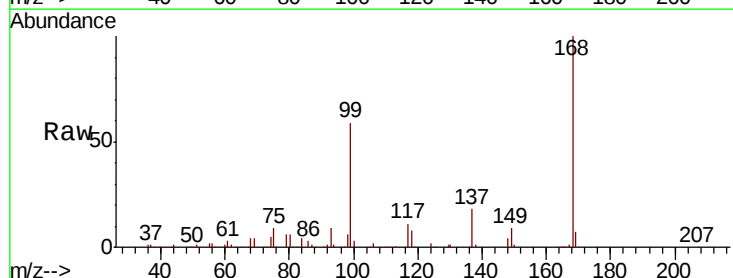
Tgt Ion: 56 Resp: 5130

Ion Ratio Lower Upper

56 100

69 147.3 25.0 37.6#

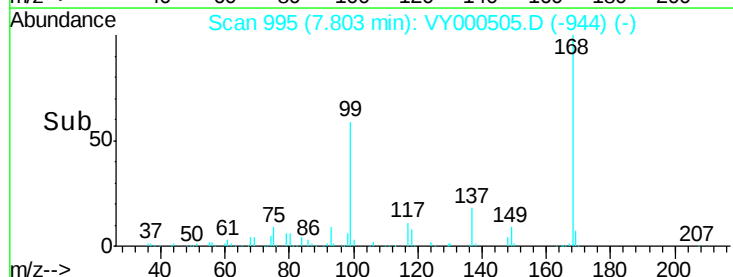
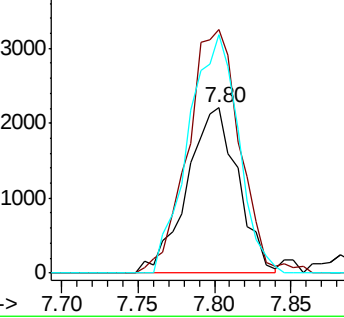
84 144.3 71.4 107.2#

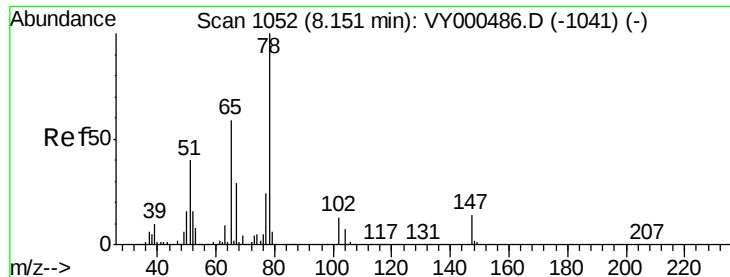


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 56.992 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000505.D

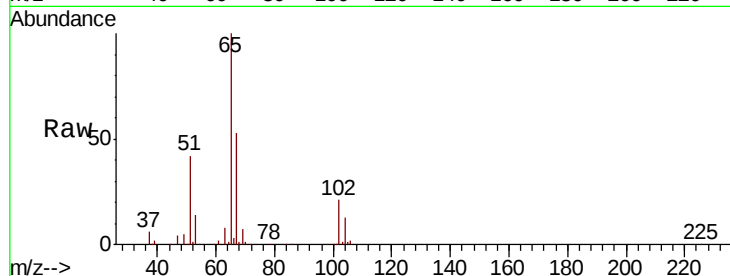
Acq: 31 Oct 2019 15:02

Tot Ion: 65 Resp: 127700

Ion Ratio Lower Upper

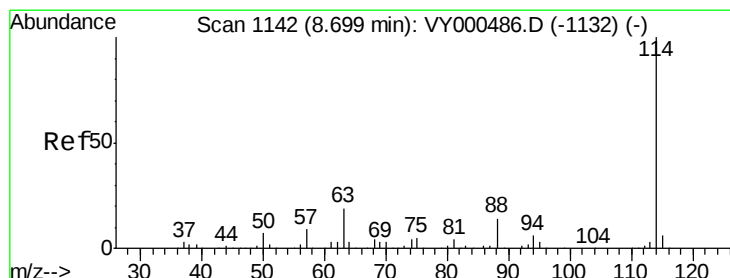
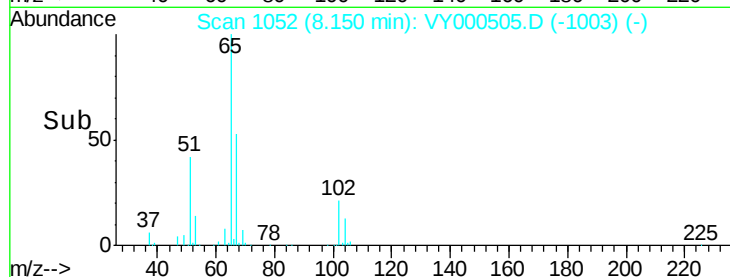
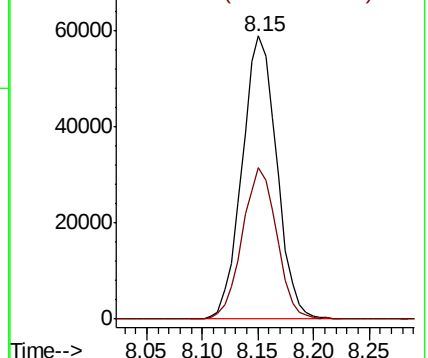
65 100

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: VY000505.D

Acq: 31 Oct 2019 15:02

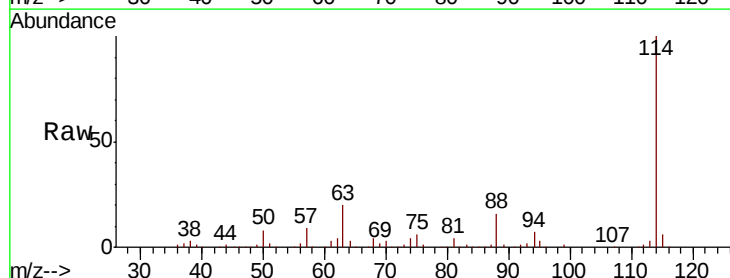
Tgt Ion: 114 Resp: 376945

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.0

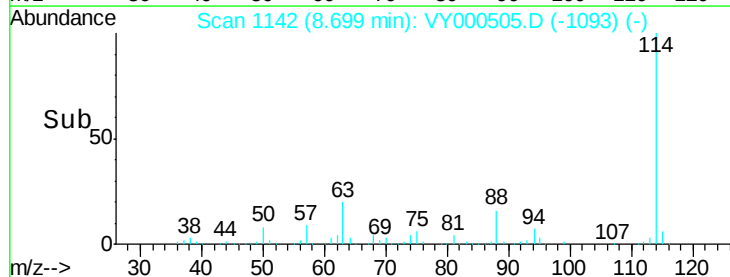
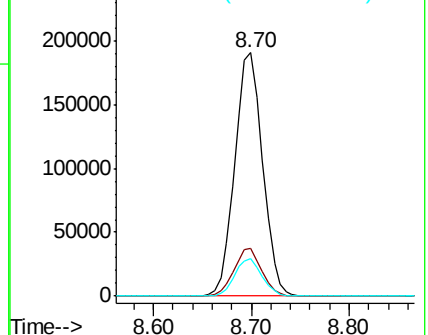
88 15.6 0.0 28.6

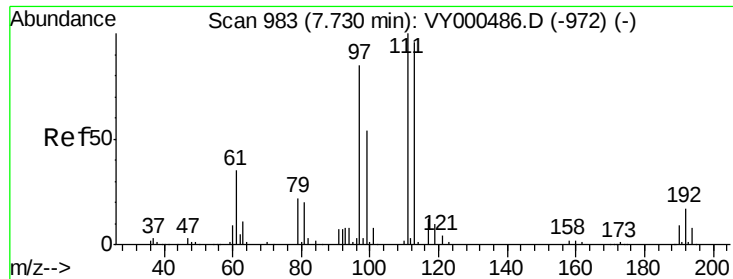


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

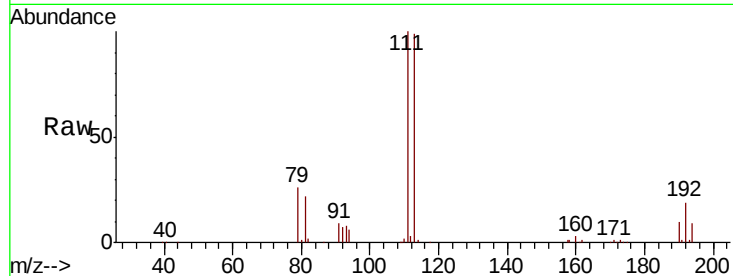
Ion 87.90 (87.60 to 88.60): VY0



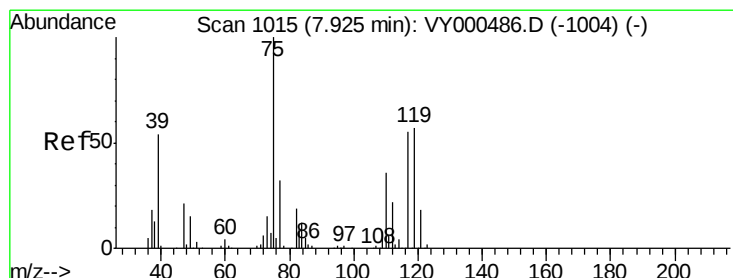
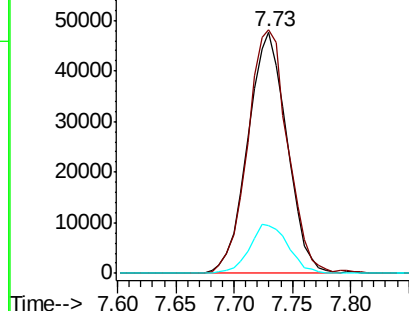
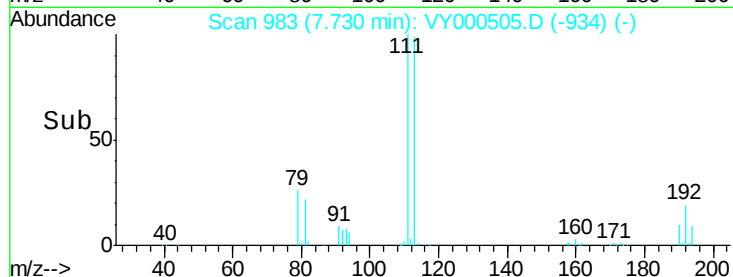


#35
 Dibromofluoromethane
 Concen: 50.306 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000505.D
 Acq: 31 Oct 2019 15:02

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.7	122.5
192	20.0	15.0	22.4

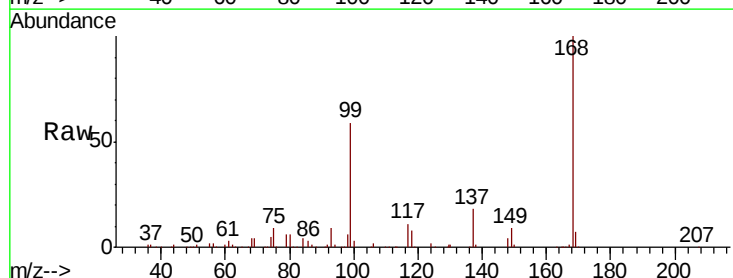


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

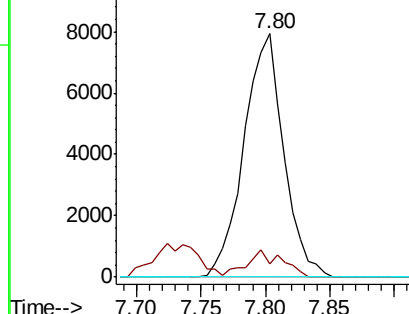
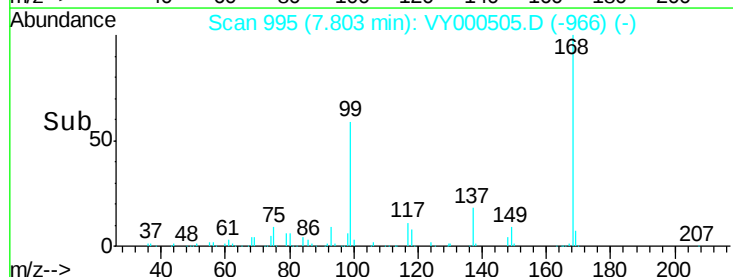


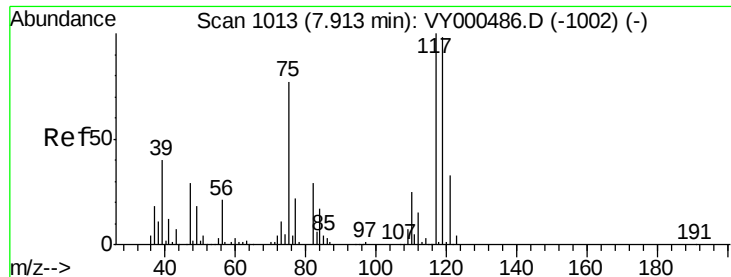
#36
 1,1-Dichloropropene
 Concen: 4.752 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000505.D
 Acq: 31 Oct 2019 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.1#
77	0.0	25.0	37.6#



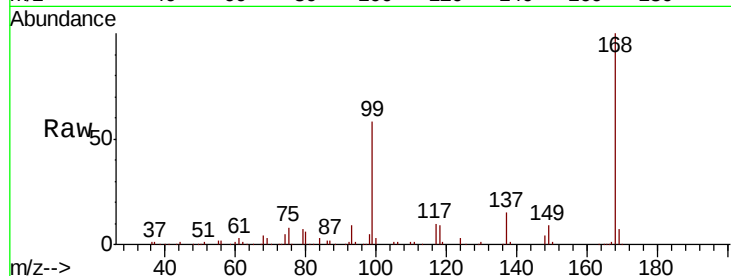
Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VY0



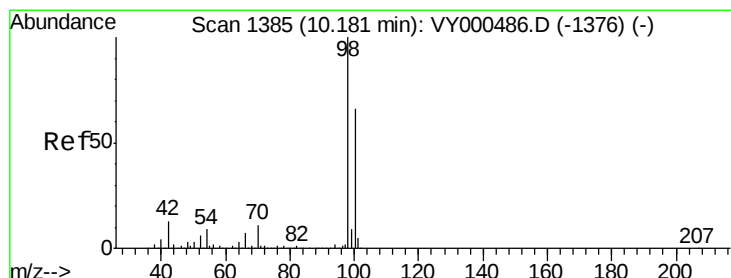
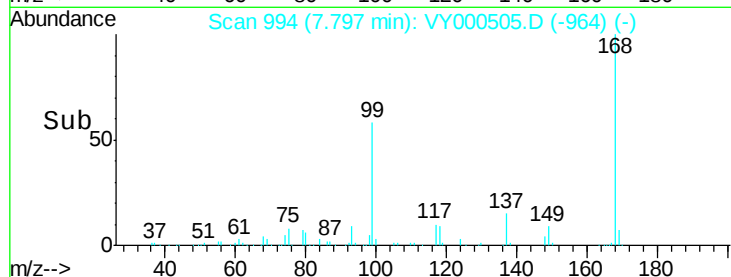
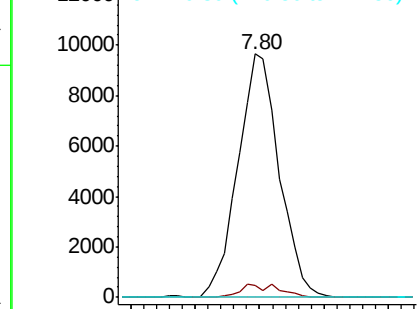


#38
Carbon Tetrachloride
Concen: 6.264 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000505.D
Acq: 31 Oct 2019 15:02

Tot Ion:117 Resp: 21480
Ion Ratio Lower Upper
117 100
119 5.0 78.0 117.0#
121 0.0 26.6 40.0#

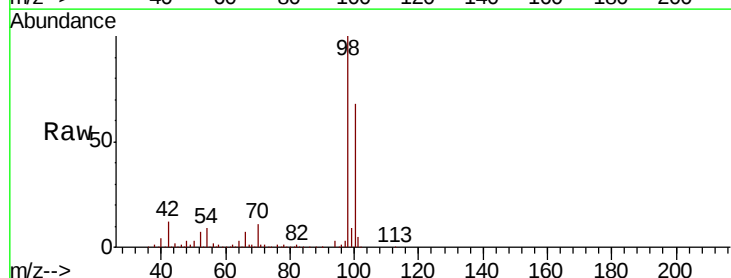


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

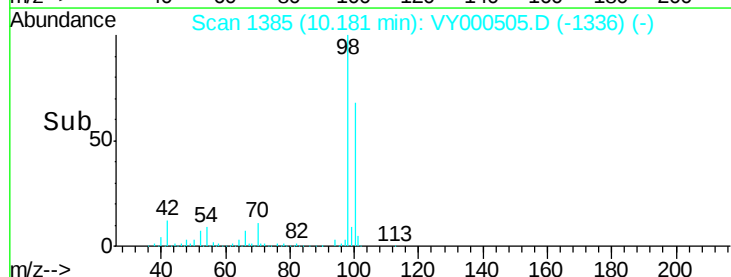
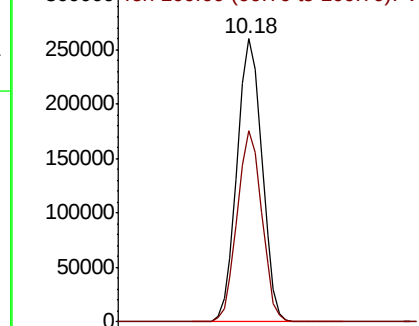


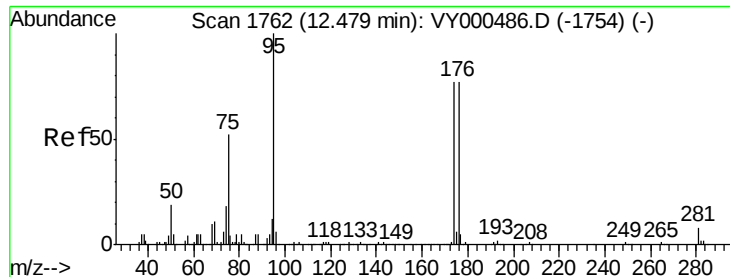
#50
Toluene-d8
Concen: 52.440 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000505.D
Acq: 31 Oct 2019 15:02

Tgt Ion: 98 Resp: 440326
Ion Ratio Lower Upper
98 100
100 66.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 46.571 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000505.D

Acq: 31 Oct 2019 15:02

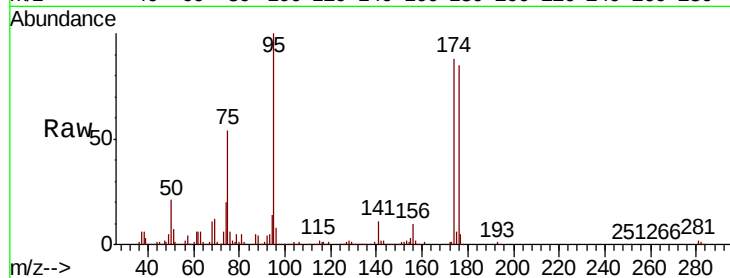
Tot Ion: 95 Resp: 148869

Ion Ratio Lower Upper

95 100

174 83.3 0.0 161.6

176 81.7 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

120000

100000

80000

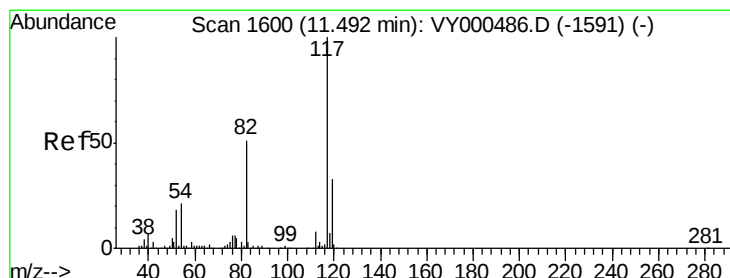
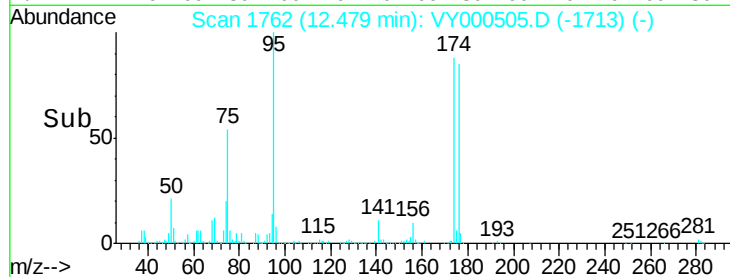
60000

40000

20000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY000505.D

Acq: 31 Oct 2019 15:02

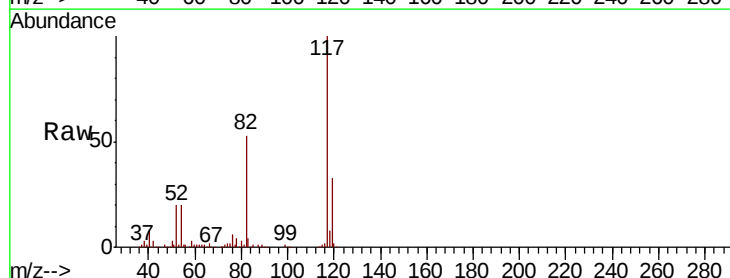
Tgt Ion: 117 Resp: 334248

Ion Ratio Lower Upper

117 100

82 53.3 40.8 61.2

119 32.9 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): VY0

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): VY0

250000

200000

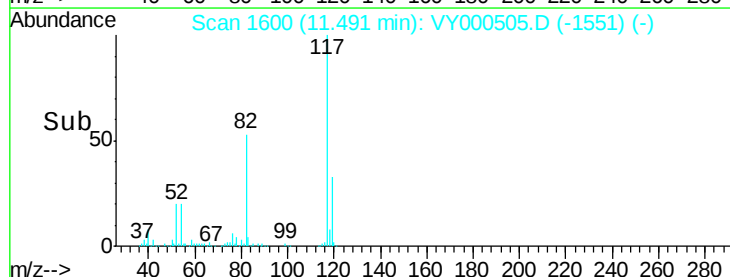
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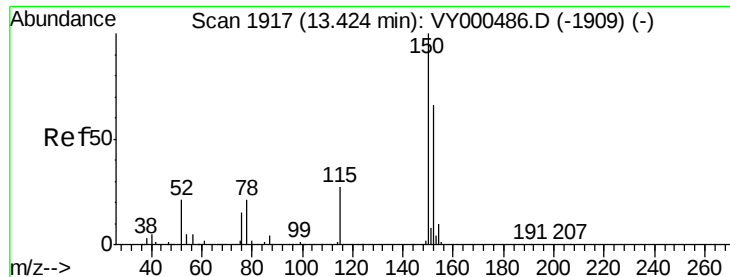
100000

50000

0

Time-->

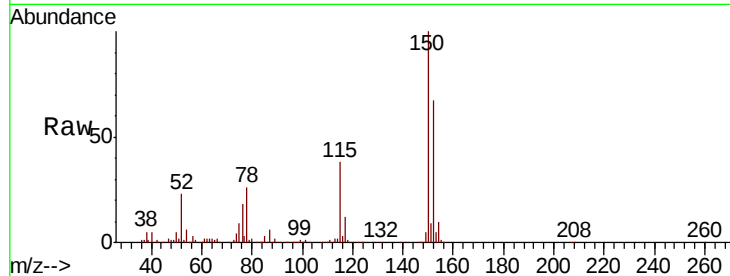




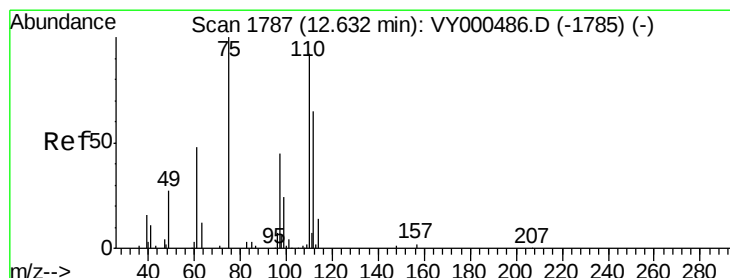
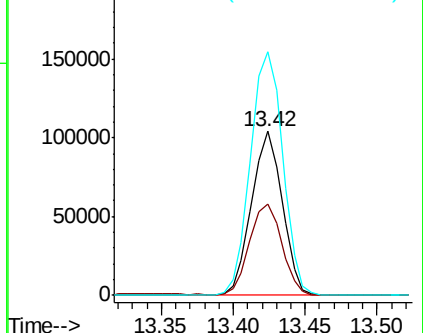
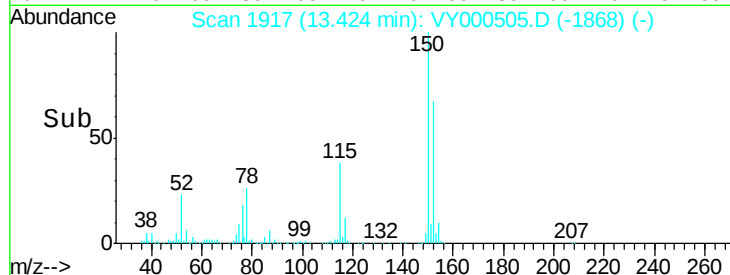
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000505.D
Acq: 31 Oct 2019 15:02

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.1	87.4
150	155.2	0.0	348.8



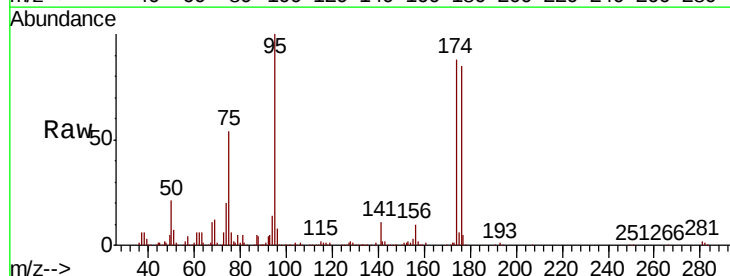
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



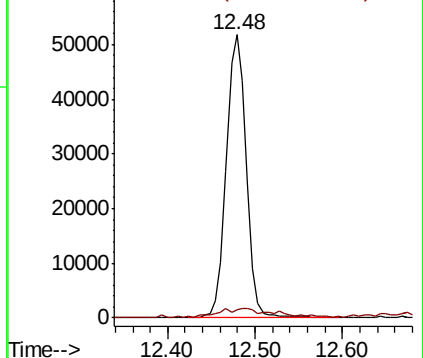
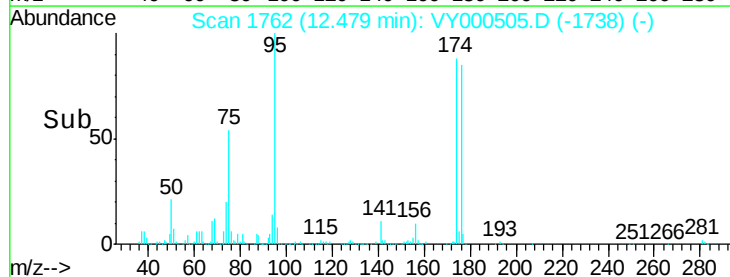
#76

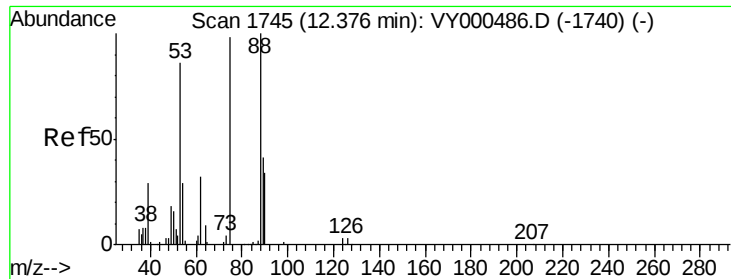
1,2,3-Trichloropropane
Concen: 46.646 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000505.D
Acq: 31 Oct 2019 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	6.8	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 104.586 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000505.D

Acq: 31 Oct 2019 15:02

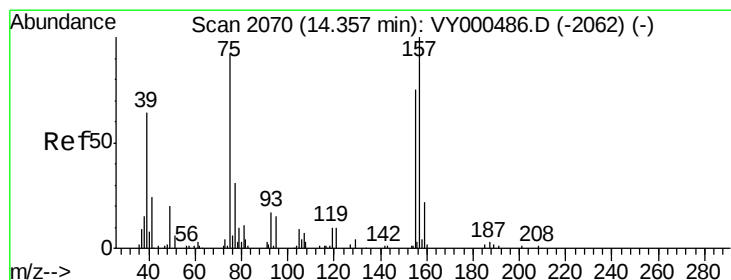
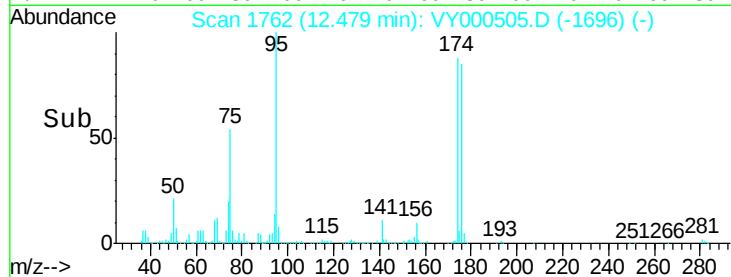
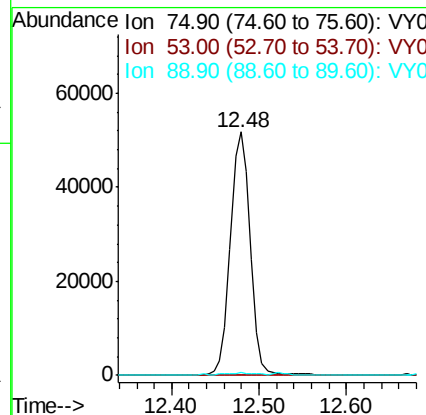
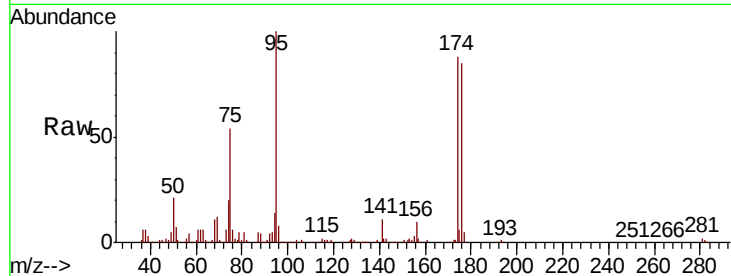
Tot Ion: 75 Resp: 82045

Ion Ratio Lower Upper

75 100

53 0.2 73.2 109.8#

89 1.2 35.9 53.9#



#92

1,2-Dibromo-3-Chloropropane

Concen: 65.664 ug/l

RT: 14.55 min Scan# 2101

Delta R.T. 0.19 min

Lab File: VY000505.D

Acq: 31 Oct 2019 15:02

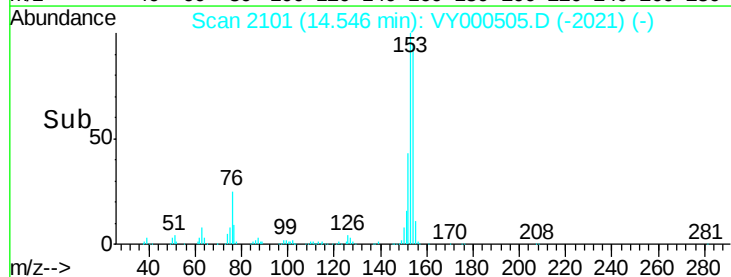
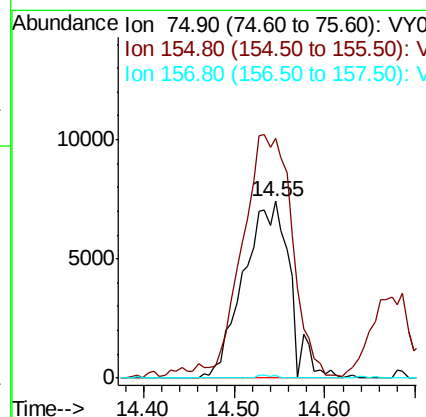
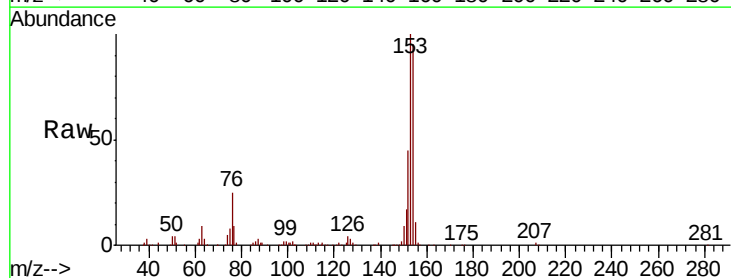
Tgt Ion: 75 Resp: 26270

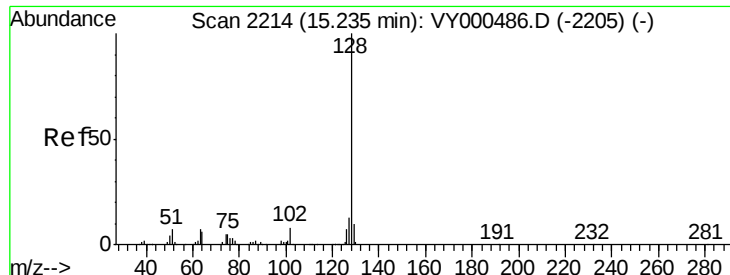
Ion Ratio Lower Upper

75 100

155 144.2 42.4 127.1#

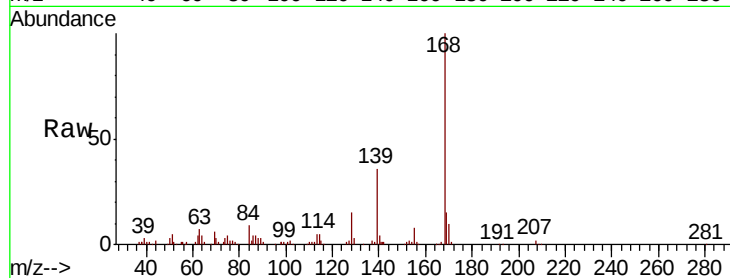
157 0.7 55.1 165.3#





#95
Naphthalene
Concen: 1.370 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000505.D
Acq: 31 Oct 2019 15:02

Tot Ion	Ratio	Lower	Upper
128	100		
127	17.2	9.8	14.6#
129	16.9	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

