

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY103119\
 Data File : VY000508.D
 Acq On : 31 Oct 2019 16:11
 Operator : SY/MD
 Sample : K5143-05RE
 Misc : 5.31G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

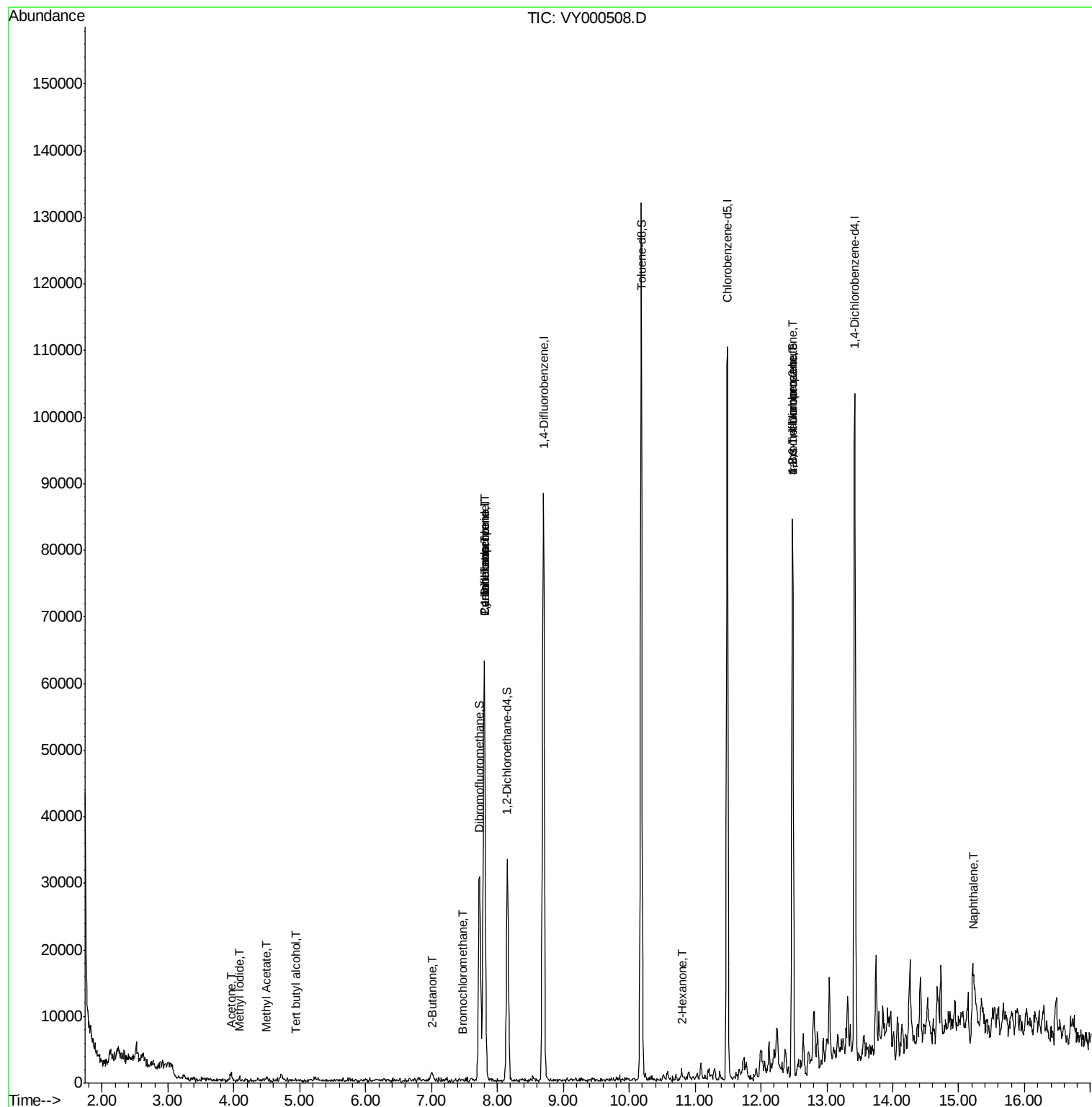
Quant Time: Nov 01 05:52:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

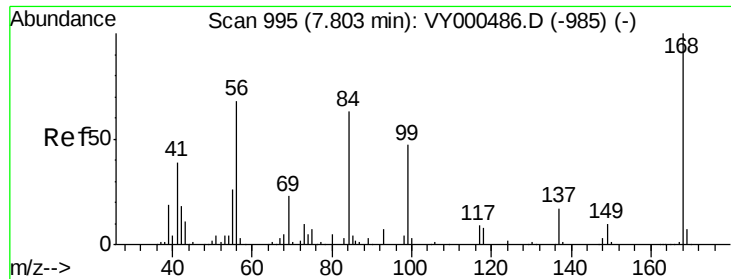
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	49240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	73228	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	57821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	24307	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	24650	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
35) Dibromofluoromethane	7.73	113	20249	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
50) Toluene-d8	10.18	98	81968	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.48	95	24412	39.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.62%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.10	142	166	3.432	ug/l #	41
11) Tert butyl alcohol	4.94	59	61	1.230	ug/l #	72
16) Acetone	3.96	43	1236	8.801	ug/l #	69
18) Methyl Acetate	4.49	43	519	1.188	ug/l #	51
25) 2-Butanone	7.02	43	325	1.450	ug/l #	49
28) Bromochloromethane	7.47	49	65	4.232	ug/l #	14
31) Cyclohexane	7.80	56	1220	1.237	ug/l #	21
36) 1,1-Dichloropropene	7.80	75	3917	5.658	ug/l #	46
38) Carbon Tetrachloride	7.81	117	5318	7.984	ug/l #	16
59) 2-Hexanone	10.81	43	703	2.351	ug/l #	38
76) 1,2,3-Trichloropropane	12.48	75	13231	47.805	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	13231	107.186	ug/l #	13
95) Naphthalene	15.23	128	1837	1.679	ug/l #	86

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

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QLast Update : Wed Oct 30 13:30:53 2019
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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: VY000508.D

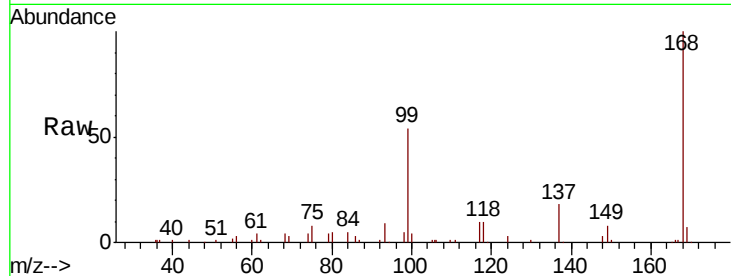
Acq: 31 Oct 2019 16:11

Tot Ion:168 Resp: 49240

Ion Ratio Lower Upper

168 100

99 54.0 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

25000

20000

15000

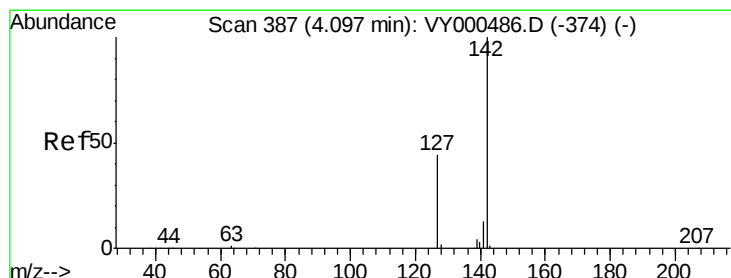
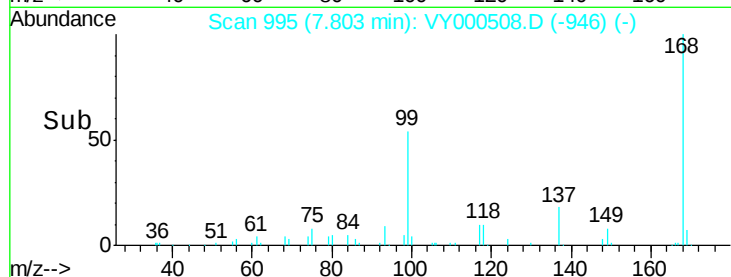
10000

5000

0

7.70 7.80 7.90

Time-->



#10

Methyl Iodide

Concen: 3.432 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000508.D

Acq: 31 Oct 2019 16:11

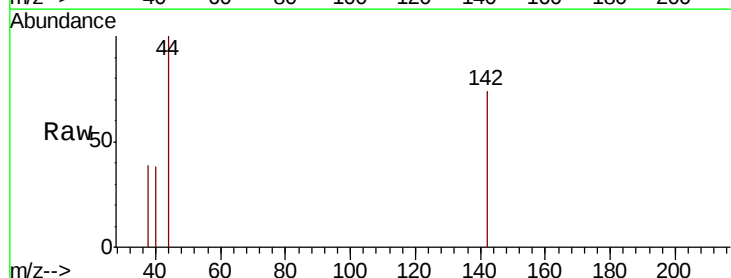
Tgt Ion:142 Resp: 166

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

150

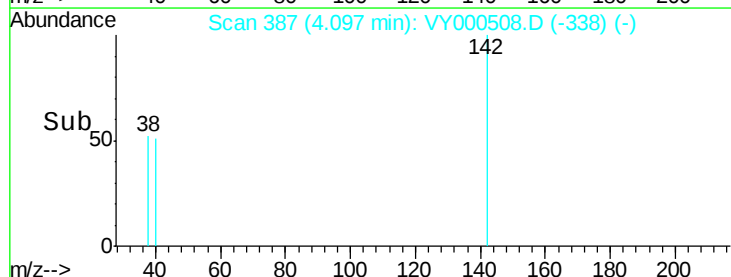
100

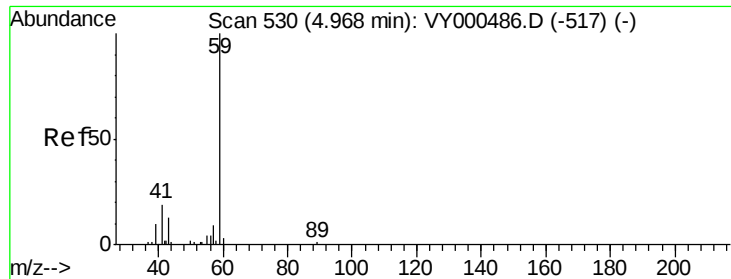
50

0

4.04 4.06 4.08 4.10 4.12

Time-->

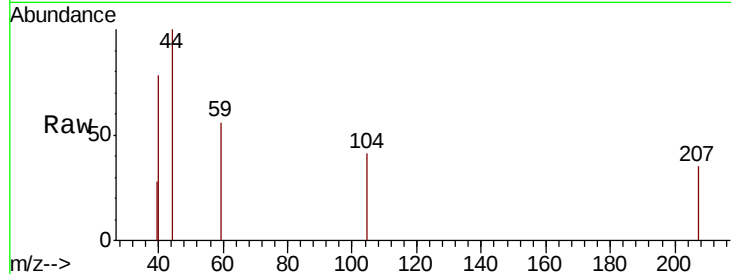




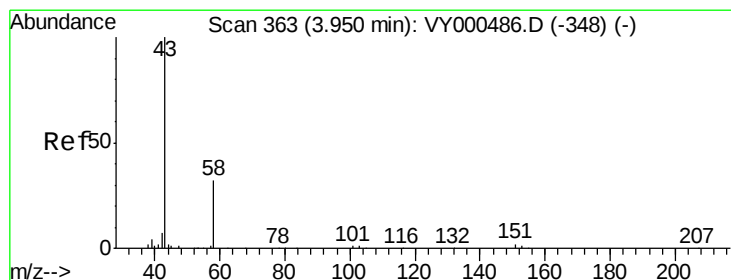
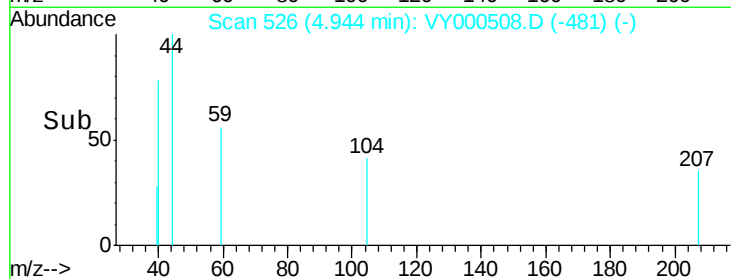
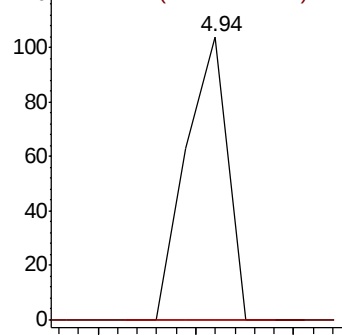
#11

Tert butyl alcohol
Concen: 1.230 ug/l
RT: 4.94 min Scan# 526
Delta R.T. -0.02 min
Lab File: VY000508.D
Acq: 31 Oct 2019 16:11

Tot Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



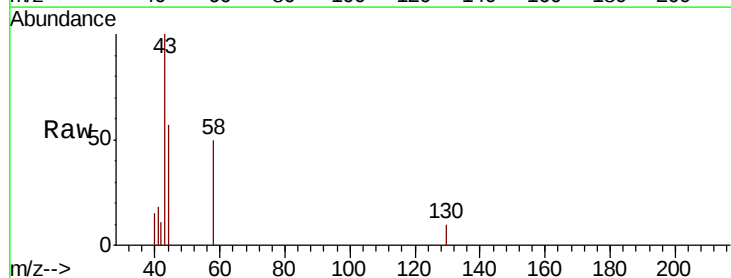
Abundance Ion 59.00 (58.70 to 59.70): VY0
Ion 57.00 (56.70 to 57.70): VY0



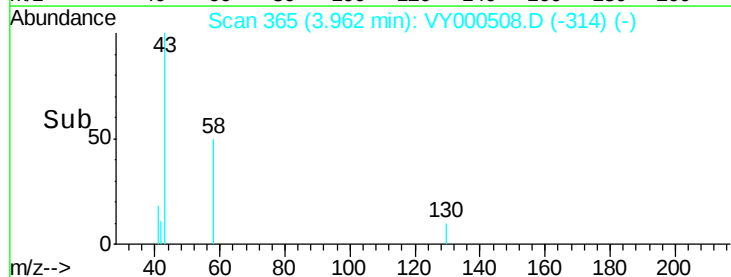
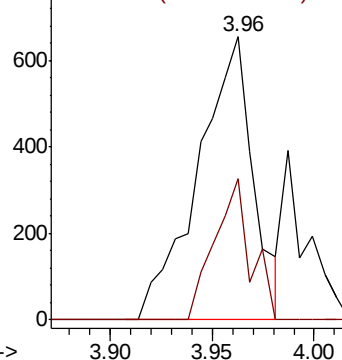
#16

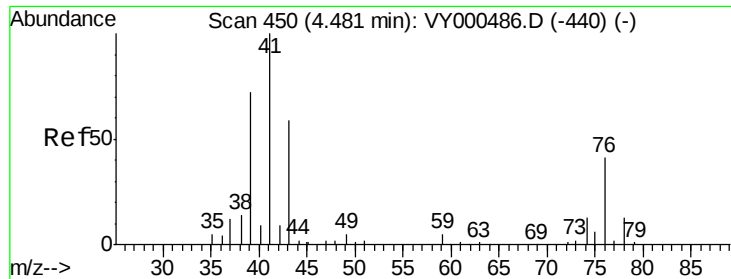
Acetone
Concen: 8.801 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY000508.D
Acq: 31 Oct 2019 16:11

Tgt Ion: 43 Resp: 1236
Ion Ratio Lower Upper
43 100
58 49.7 25.8 38.6#



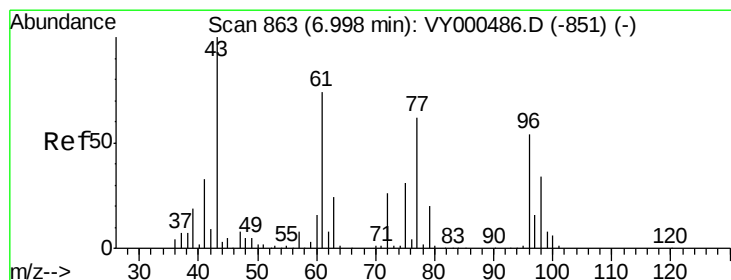
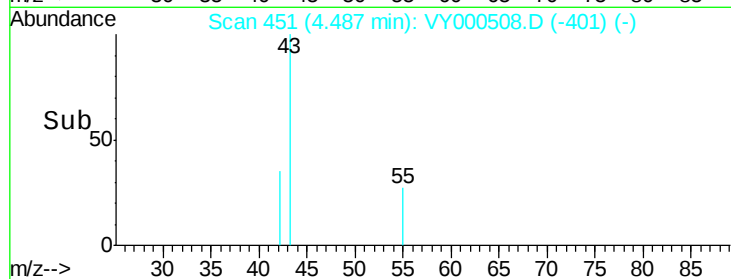
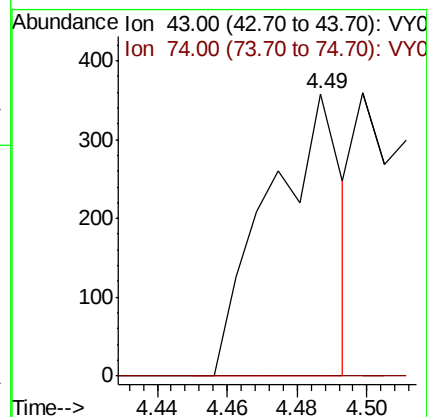
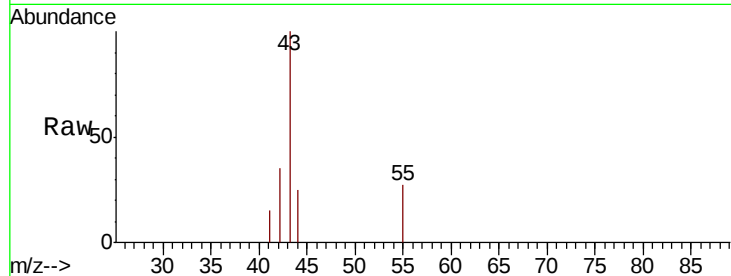
Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0





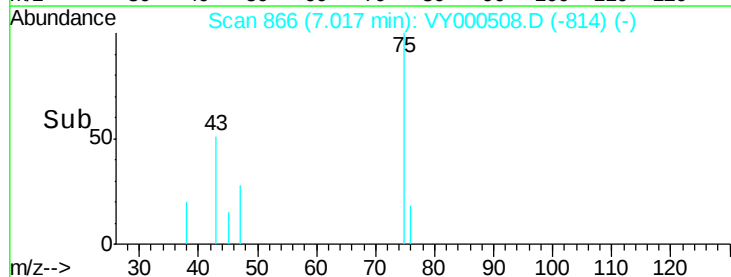
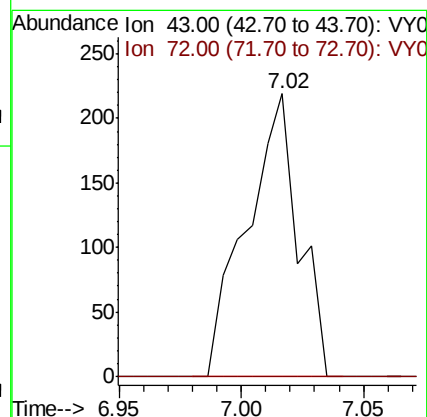
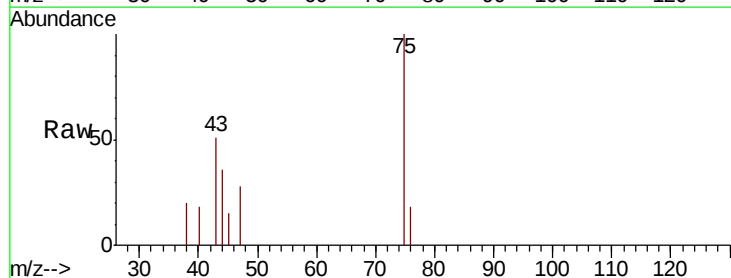
#18
Methyl Acetate
Concen: 1.188 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY000508.D
Acq: 31 Oct 2019 16:11

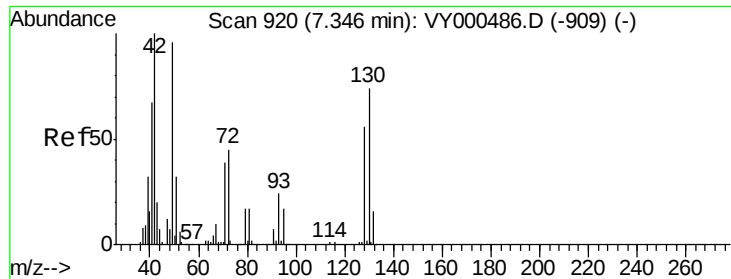
Tot Ion: 43 Resp: 519
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#25
2-Butanone
Concen: 1.450 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.02 min
Lab File: VY000508.D
Acq: 31 Oct 2019 16:11

Tgt Ion: 43 Resp: 325
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#





#28

Bromochloromethane

Concen: 4.232 ug/l

RT: 7.47 min Scan# 940

Delta R.T. 0.12 min

Lab File: VY000508.D

Acq: 31 Oct 2019 16:11

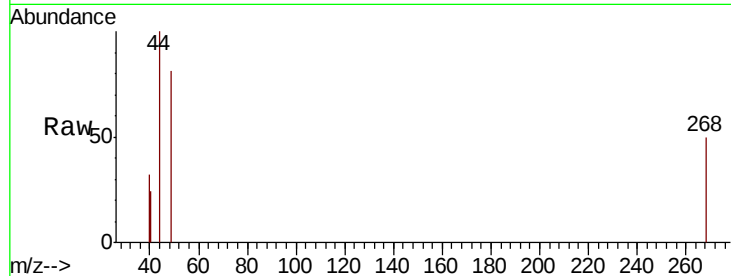
Tot Ion: 49 Resp: 65

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

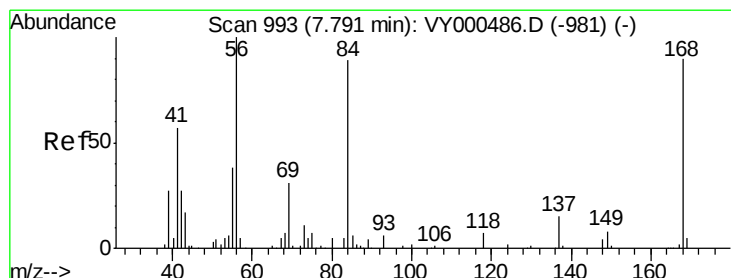
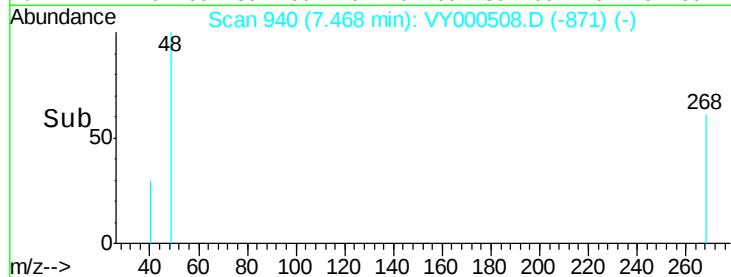
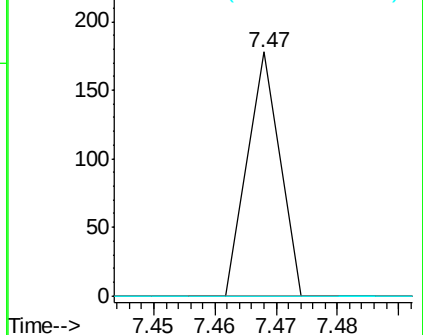
130 0.0 59.4 89.0#



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: 1.237 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000508.D

Acq: 31 Oct 2019 16:11

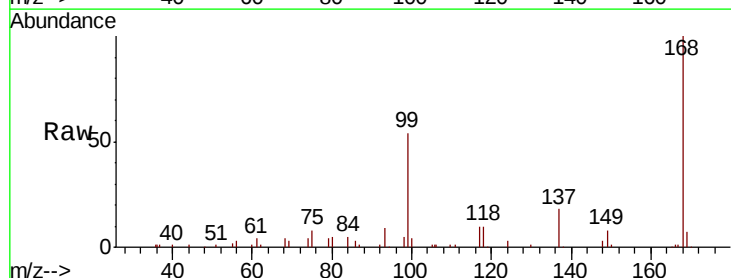
Tgt Ion: 56 Resp: 1220

Ion Ratio Lower Upper

56 100

69 94.4 25.0 37.6#

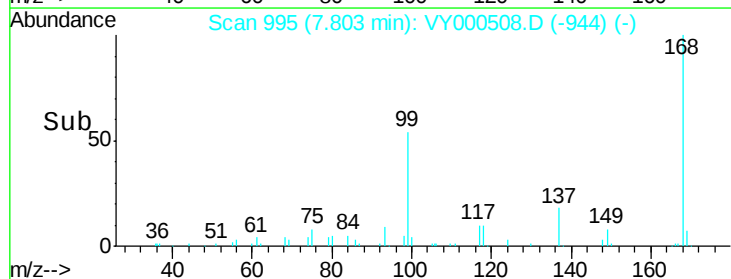
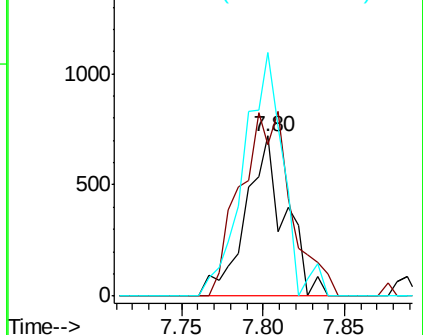
84 152.3 71.4 107.2#

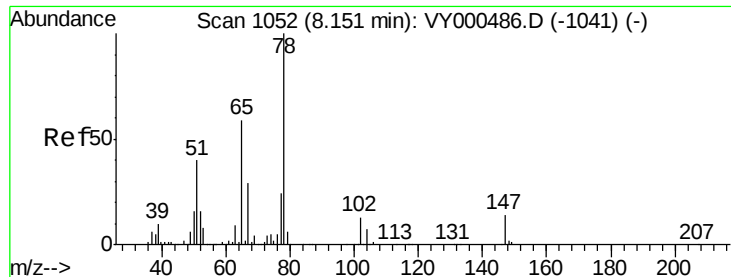


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 48.374 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000508.D

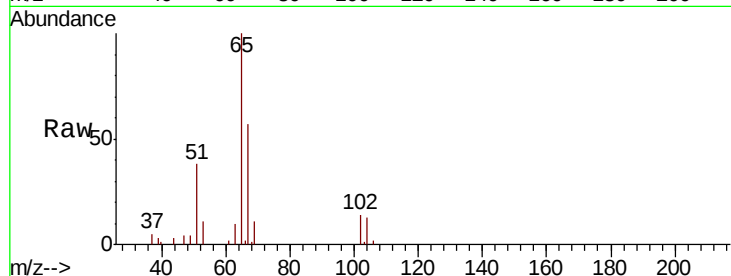
Acq: 31 Oct 2019 16:11

Tot Ion: 65 Resp: 24650

Ion Ratio Lower Upper

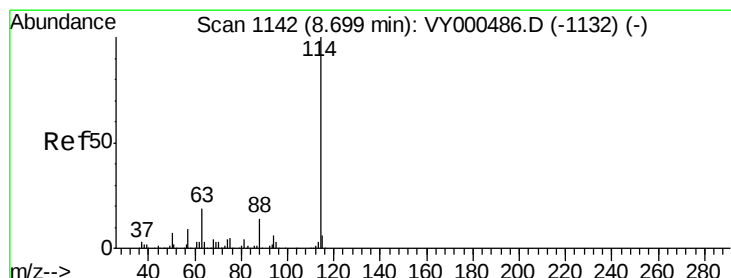
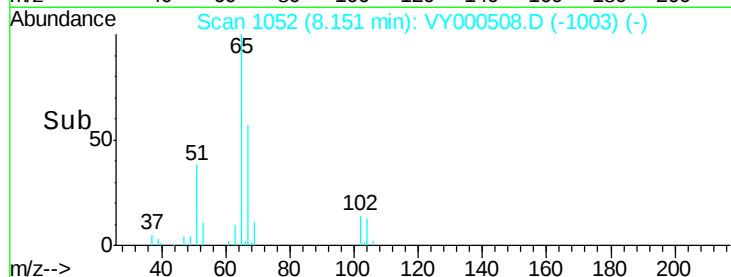
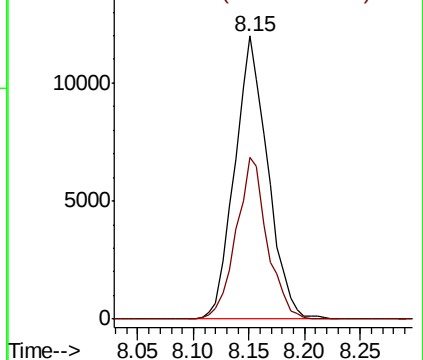
65 100

67 53.7 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: VY000508.D

Acq: 31 Oct 2019 16:11

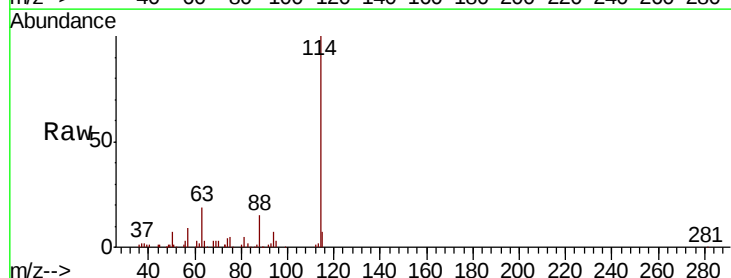
Tgt Ion: 114 Resp: 73228

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.0

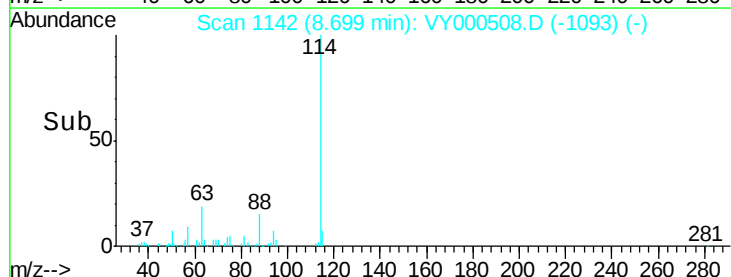
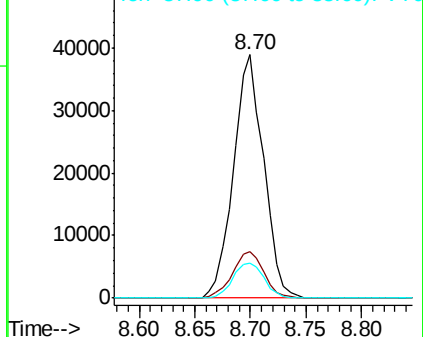
88 14.5 0.0 28.6

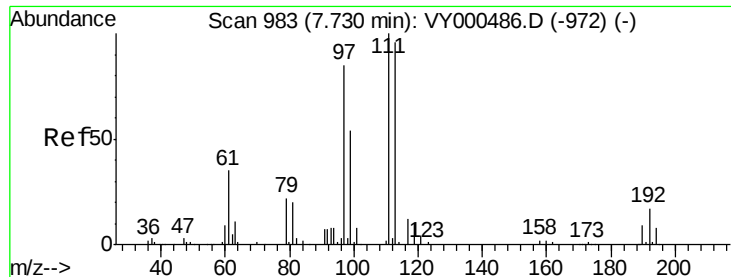


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 47.102 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000508.D

Acq: 31 Oct 2019 16:11

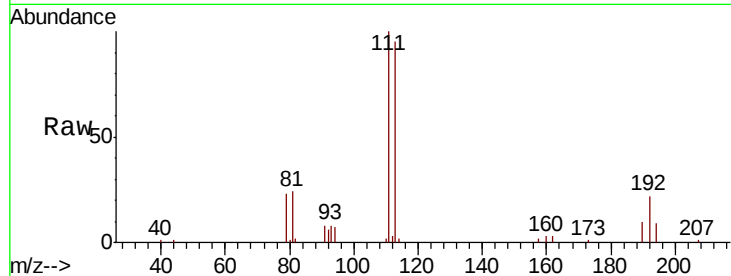
Tot Ion:113 Resp: 20249

Ion Ratio Lower Upper

113 100

111 113.0 81.7 122.5

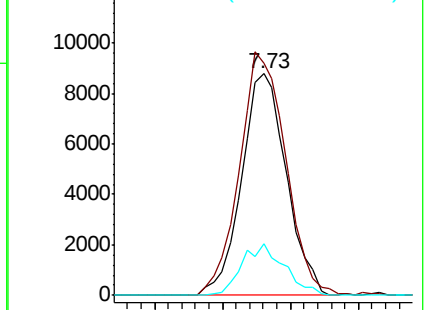
192 21.9 15.0 22.4



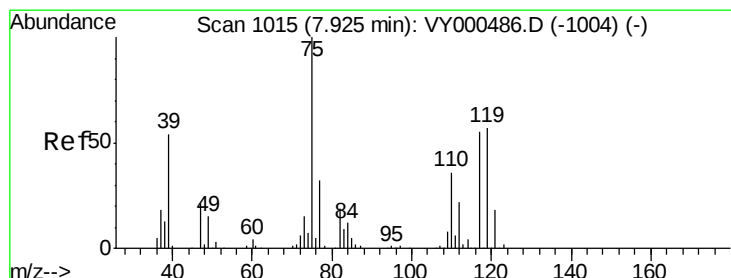
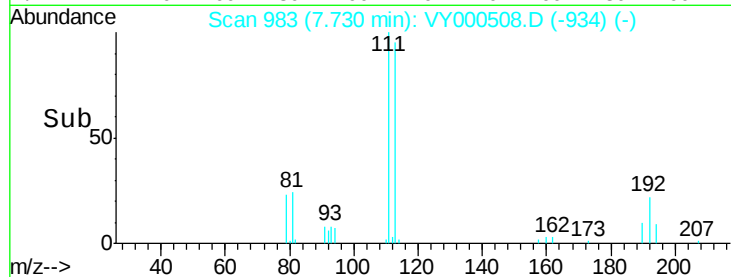
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->



#36

1,1-Dichloropropene

Concen: 5.658 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY000508.D

Acq: 31 Oct 2019 16:11

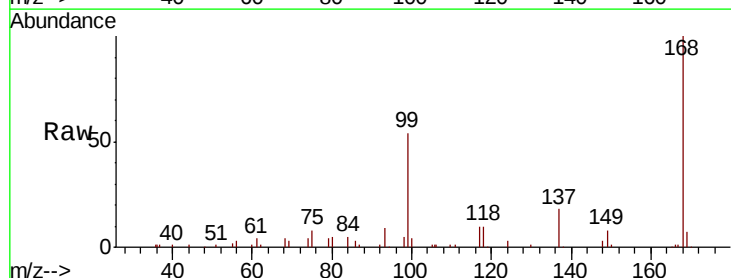
Tgt Ion: 75 Resp: 3917

Ion Ratio Lower Upper

75 100

110 5.4 18.1 54.1#

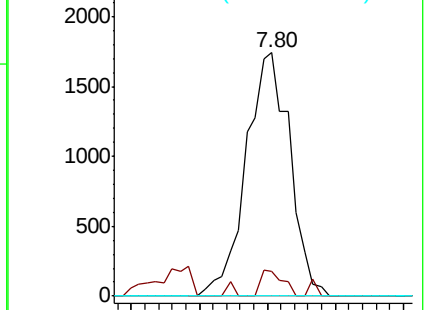
77 0.0 25.0 37.6#



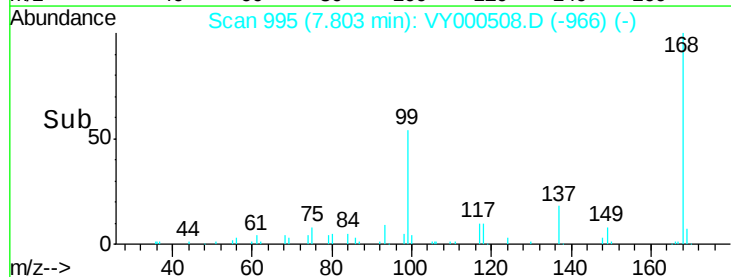
Abundance Ion 74.90 (74.60 to 75.60): VY0

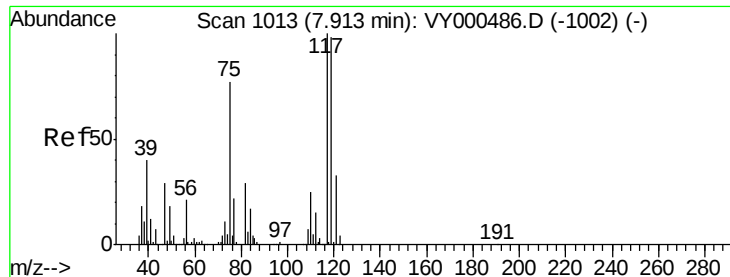
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0



Time-->





#38

Carbon Tetrachloride

Concen: 7.984 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.10 min

Lab File: VY000508.D

Acq: 31 Oct 2019 16:11

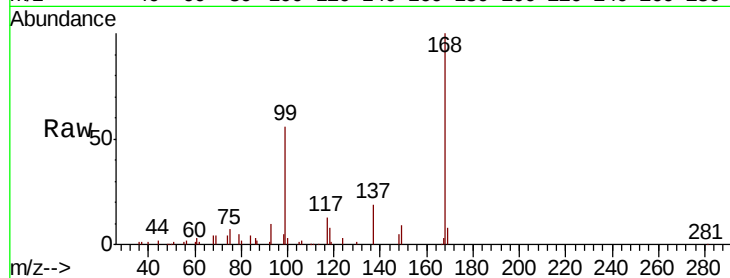
Tot Ion:117 Resp: 5318

Ion Ratio Lower Upper

117 100

119 6.6 78.0 117.0#

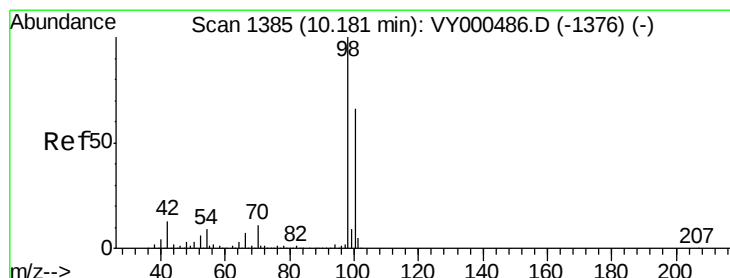
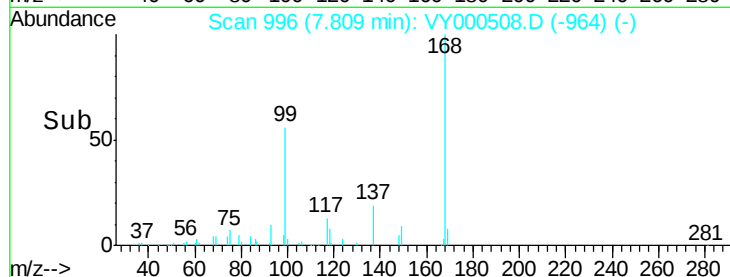
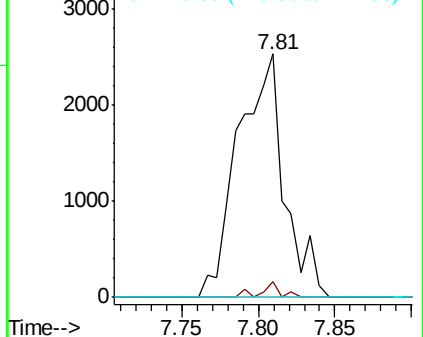
121 0.0 26.6 40.0#



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: 50.249 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000508.D

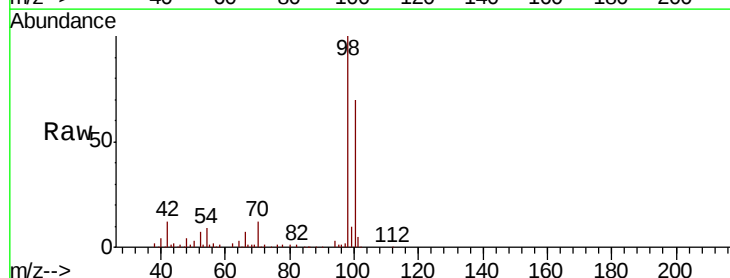
Acq: 31 Oct 2019 16:11

Tgt Ion: 98 Resp: 81968

Ion Ratio Lower Upper

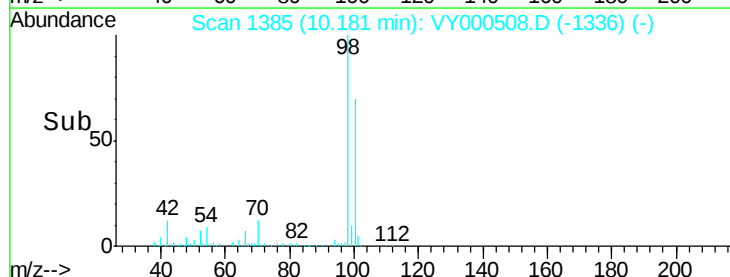
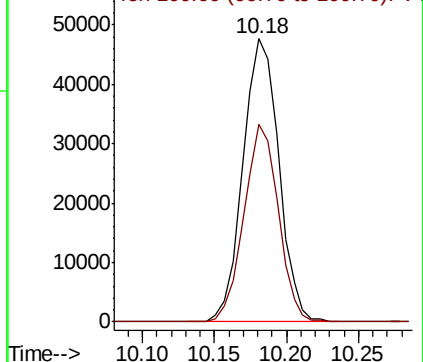
98 100

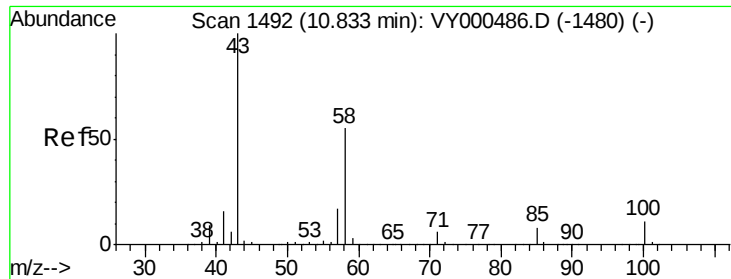
100 66.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

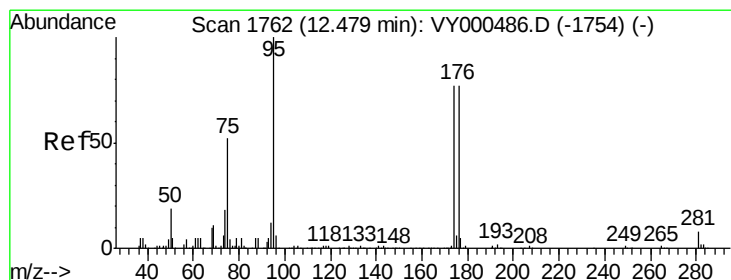
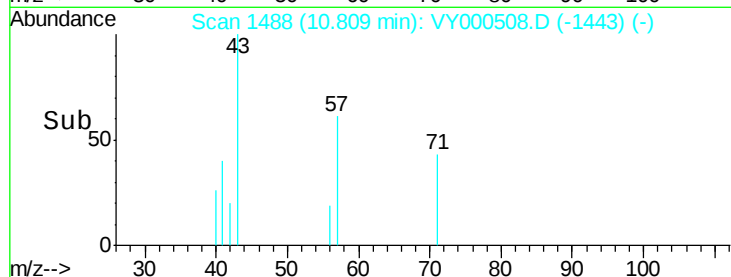
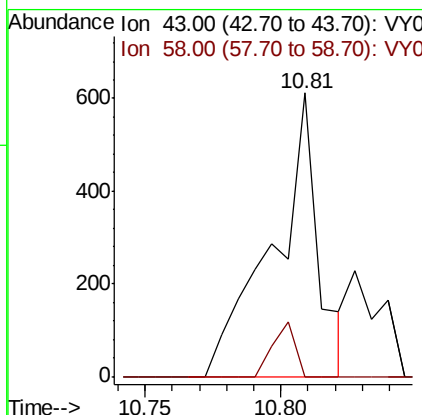
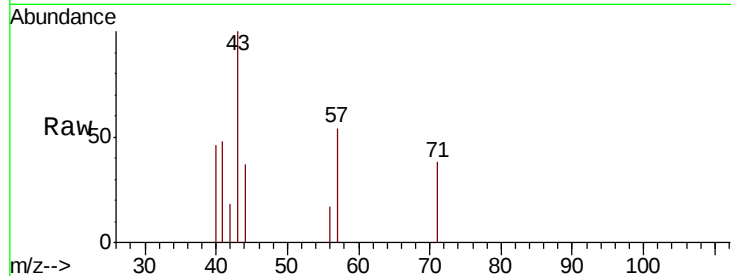
Ion 100.00 (99.70 to 100.70): VY0





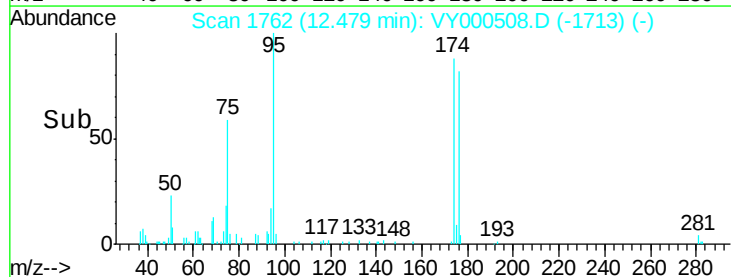
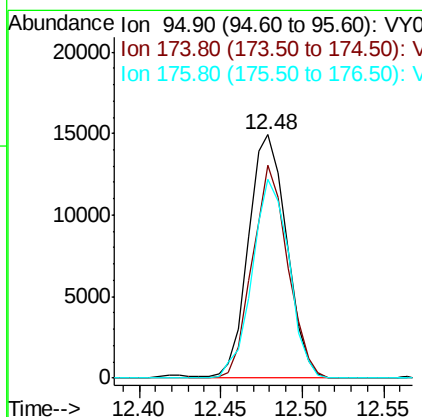
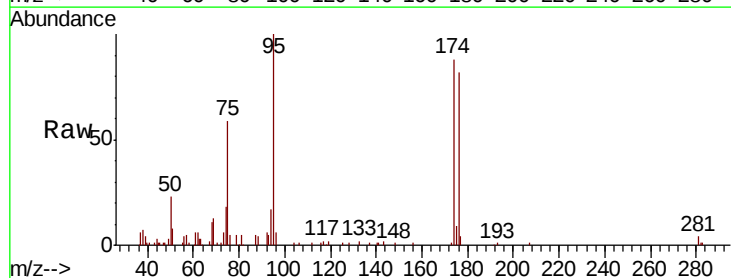
#59
2-Hexanone
Concen: 2.351 ug/l
RT: 10.81 min Scan# 1488
Delta R.T. -0.02 min
Lab File: VY000508.D
Acq: 31 Oct 2019 16:11

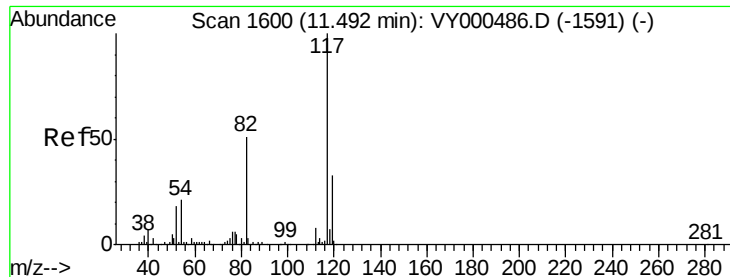
Tot Ion: 43 Resp: 703
Ion Ratio Lower Upper
43 100
58 9.5 27.1 81.3#



#62
4-Bromofluorobenzene
Concen: 39.311 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000508.D
Acq: 31 Oct 2019 16:11

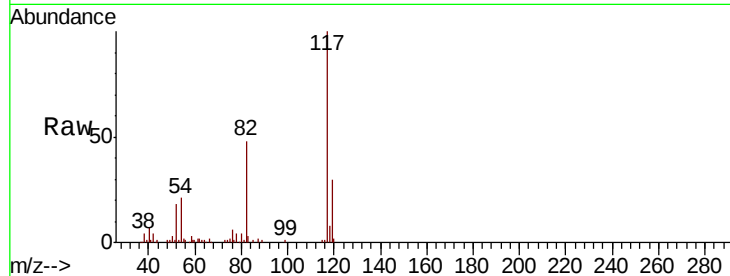
Tgt Ion: 95 Resp: 24412
Ion Ratio Lower Upper
95 100
174 80.8 0.0 161.6
176 78.1 0.0 157.8



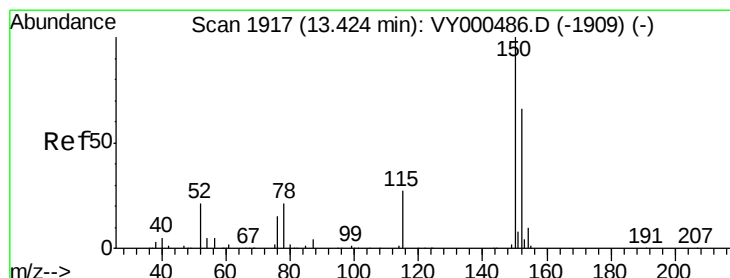
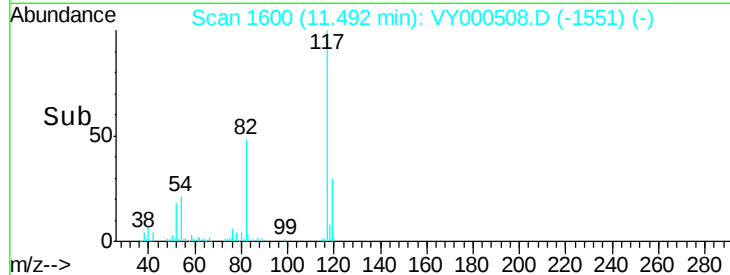
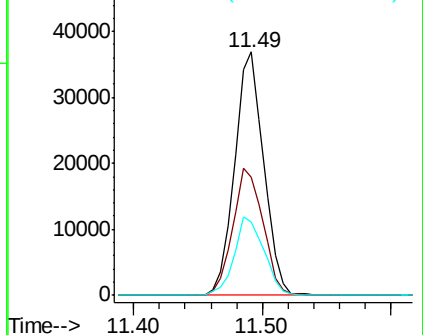


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000508.D
Acq: 31 Oct 2019 16:11

Tot Ion:117 Resp: 57821
Ion Ratio Lower Upper
117 100
82 48.4 40.8 61.2
119 29.9 26.2 39.2

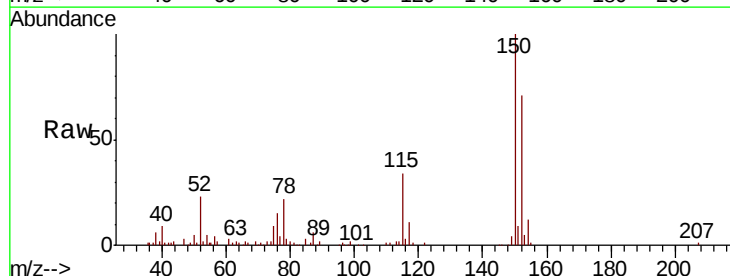


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

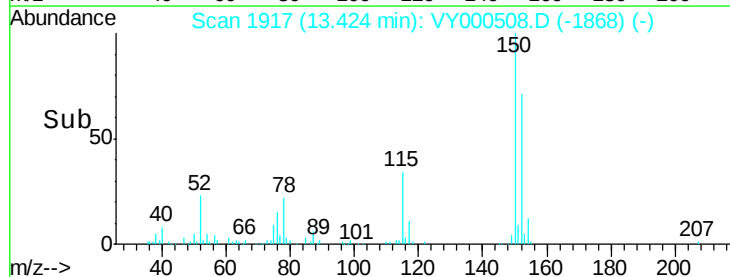
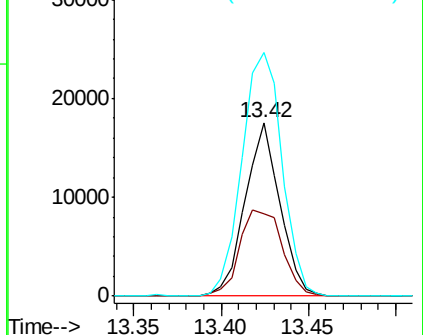


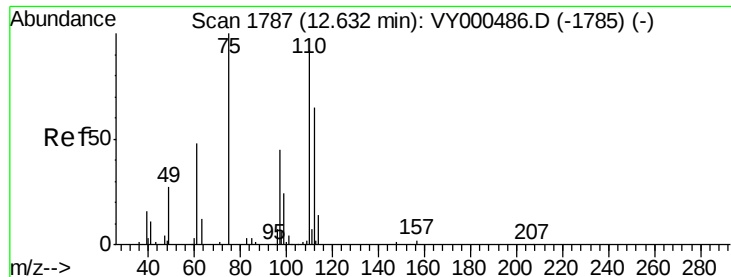
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000508.D
Acq: 31 Oct 2019 16:11

Tgt Ion:152 Resp: 24307
Ion Ratio Lower Upper
152 100
115 60.8 29.1 87.4
150 161.9 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: 47.805 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000508.D

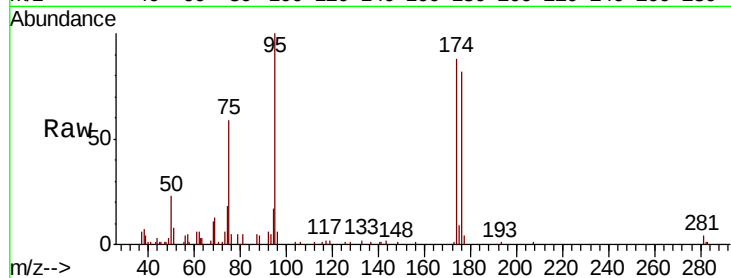
Acq: 31 Oct 2019 16:11

Tot Ion: 75 Resp: 13231

Ion Ratio Lower Upper

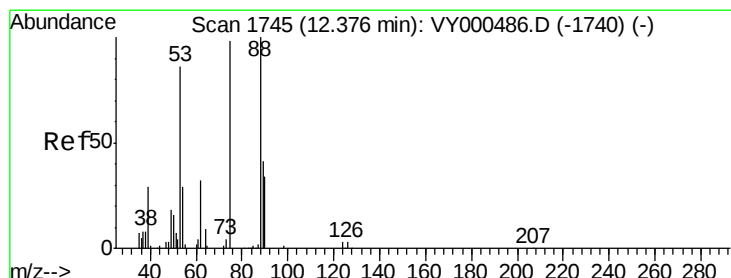
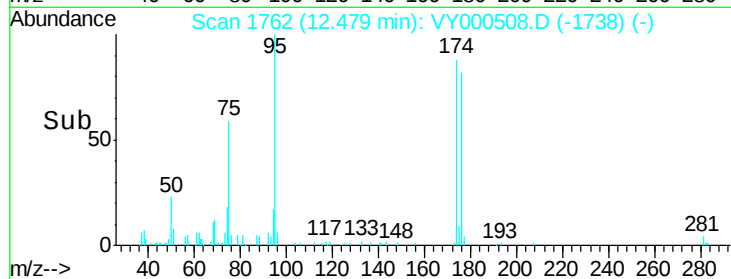
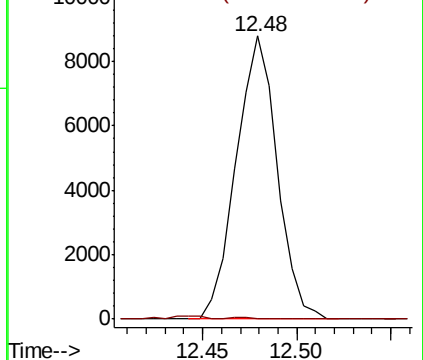
75 100

77 0.4 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: 107.186 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000508.D

Acq: 31 Oct 2019 16:11

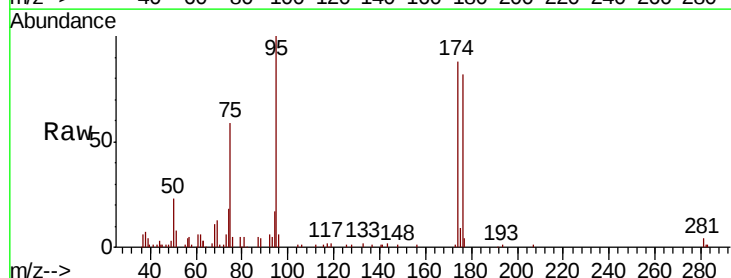
Tgt Ion: 75 Resp: 13231

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

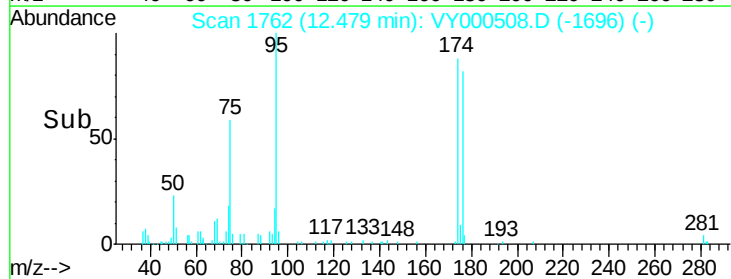
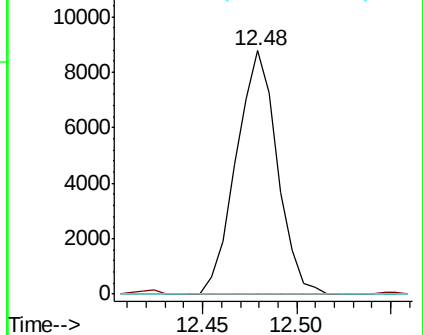
89 0.0 35.9 53.9#

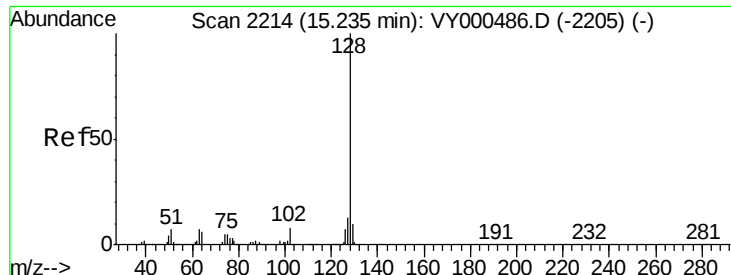


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95

Naphthalene

Concen: 1.679 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. -0.01 min

Lab File: VY000508.D

Acq: 31 Oct 2019 16:11

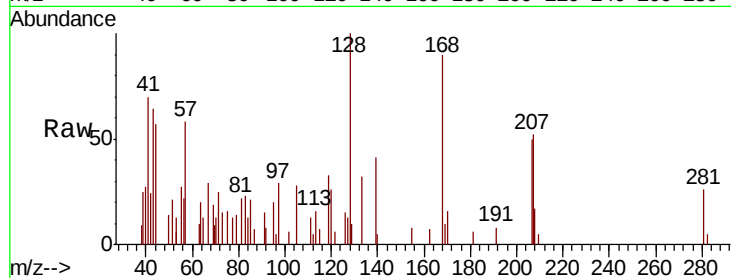
Tot Ion:128 Resp: 1837

Ion Ratio Lower Upper

128 100

127 21.3 9.8 14.6#

129 12.1 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

