

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122218\
 Data File : VW007788.D
 Acq On : 21 Dec 2018 11:41
 Operator : SY/AP
 Sample : J6389-13
 Misc : 3.79G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 21 12:25:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	40077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	68782	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	42977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	10686	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	29801	67.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	135.68%	
35) Dibromofluoromethane	7.88	113	22901	54.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.16%	
50) Toluene-d8	10.32	98	55562	35.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.24%	
62) 4-Bromofluorobenzene	12.62	95	13893	22.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	45.46%	

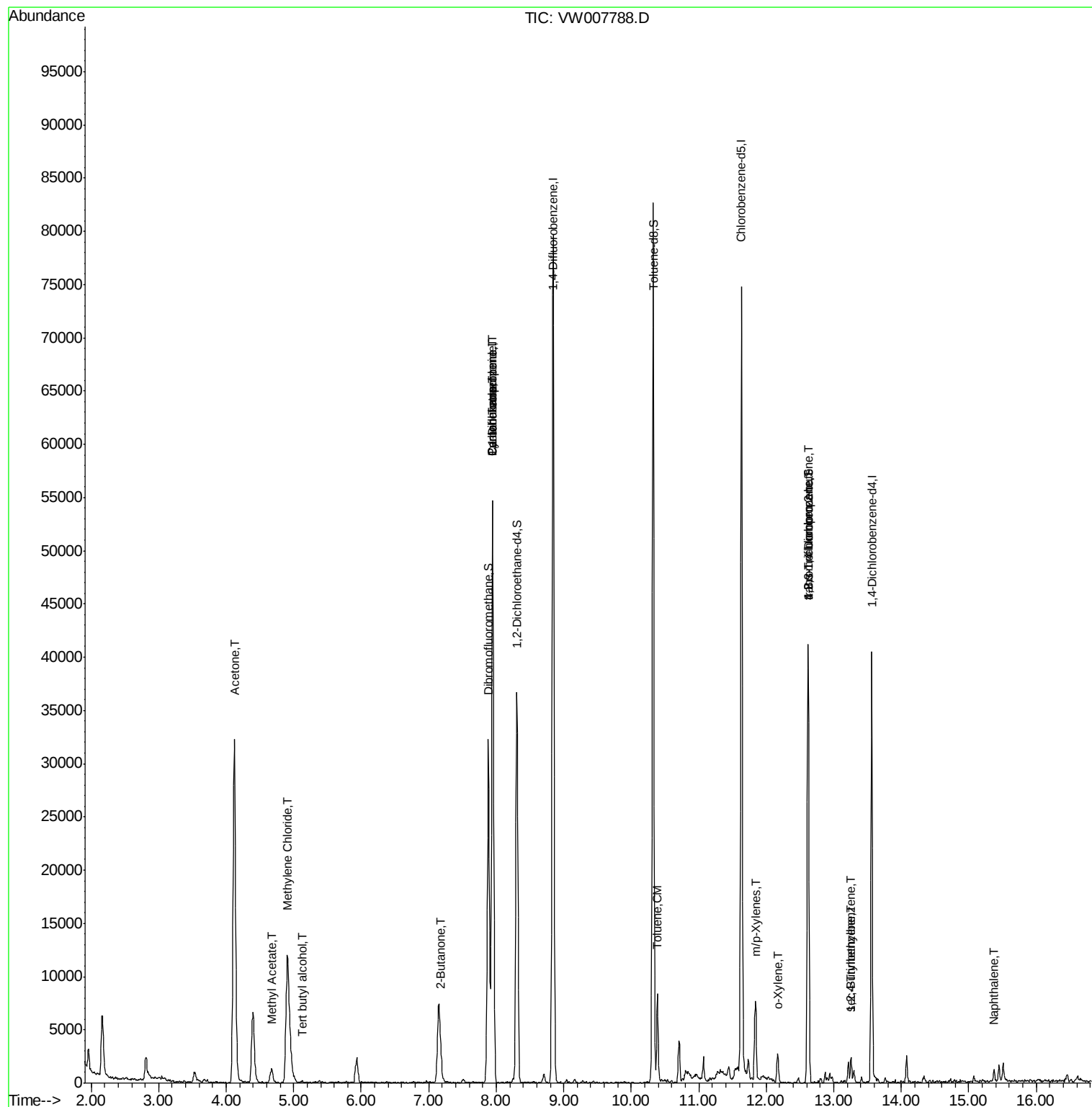
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	49	1.654	ug/l #	73
16) Acetone	4.12	43	55874	679.270	ug/l	95
18) Methyl Acetate	4.67	43	2647	13.531	ug/l	90
20) Methylene Chloride	4.90	84	12107	26.463	ug/l	91
25) 2-Butanone	7.18	43	3571	37.064	ug/l	96
31) Cyclohexane	7.95	56	929	1.421	ug/l #	36
36) 1,1-Dichloropropene	7.94	75	3105	4.677	ug/l #	48
38) Carbon Tetrachloride	7.95	117	4048	5.178	ug/l #	16
52) Toluene	10.39	92	3840	3.231	ug/l	98
68) m/p-Xylenes	11.84	106	2417	3.903	ug/l	98
69) o-Xylene	12.17	106	759	1.308	ug/l	86
76) 1,2,3-Trichloropropane	12.62	75	6925	83.845	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	6925	175.997	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.26	105	1542	2.193	ug/l	92
85) sec-Butylbenzene	13.26	105	1542	1.830	ug/l #	56
95) Naphthalene	15.37	128	1389	3.289	ug/l #	80

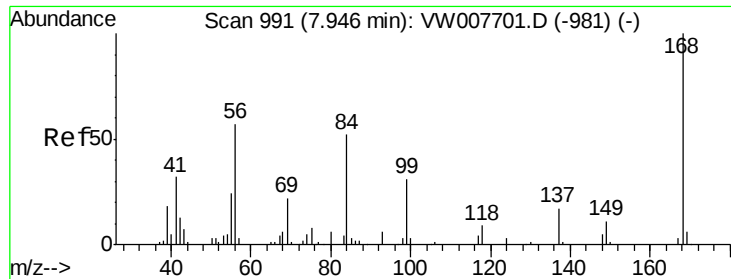
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007788.D

Acq: 21 Dec 2018 11:41

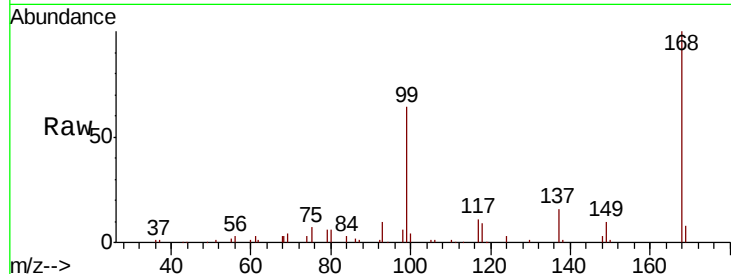
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 40077

Ion Ratio Lower Upper

168 100

99 64.0 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

20000

15000

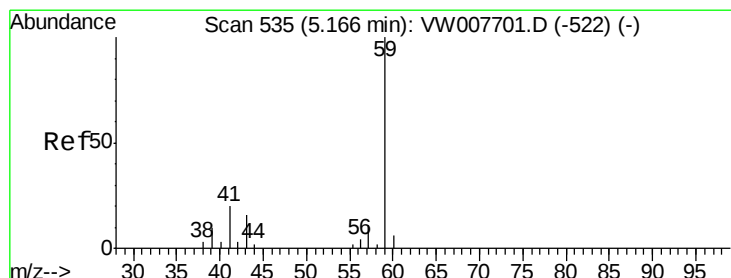
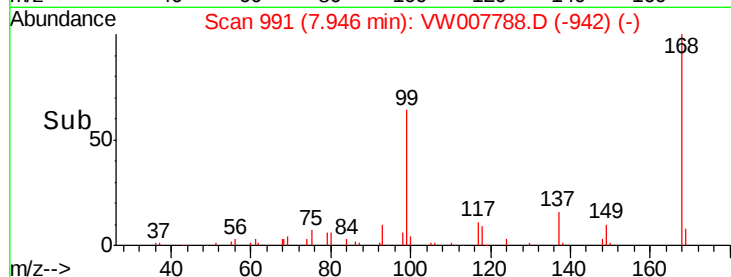
10000

5000

0

Time-->

7.85 7.90 7.95 8.00



#11

Tert butyl alcohol

Concen: 1.654 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW007788.D

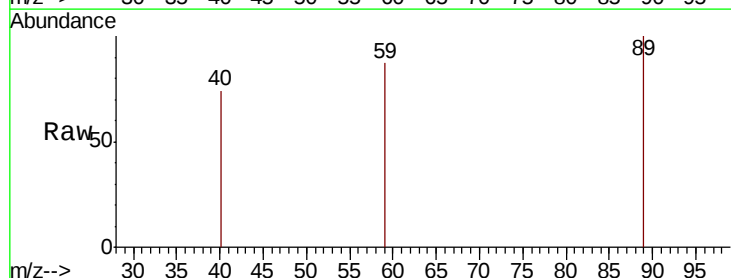
Acq: 21 Dec 2018 11:41

Tgt Ion: 59 Resp: 49

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

80

60

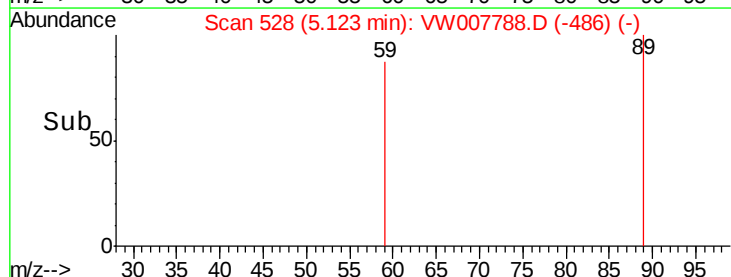
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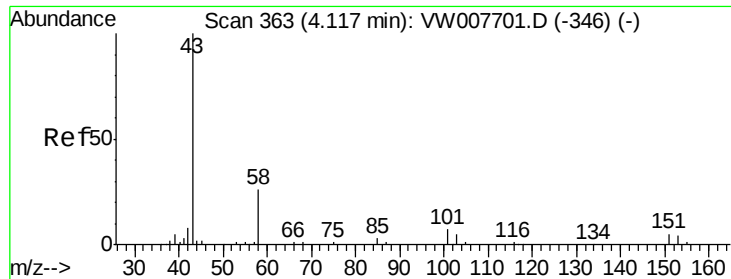
20

0

Time-->

5.10 5.12 5.14





#16

Acetone

Concen: 679.270 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007788.D

Acq: 21 Dec 2018 11:41

Instrument :

MSVOA_W

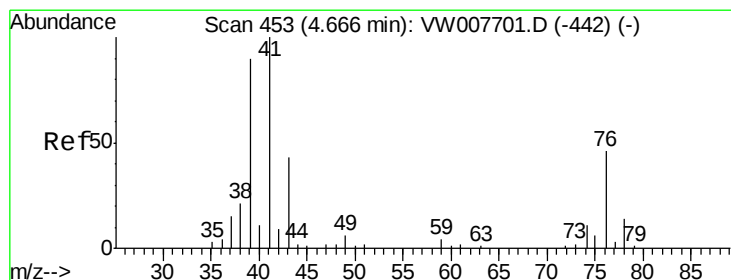
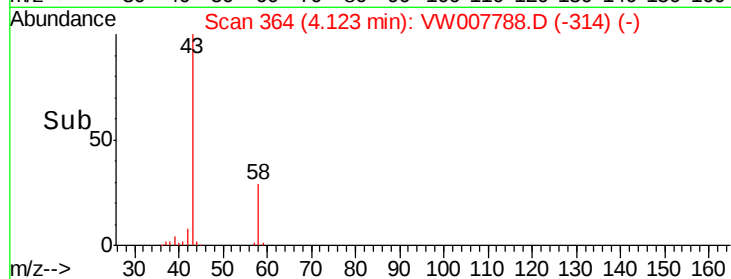
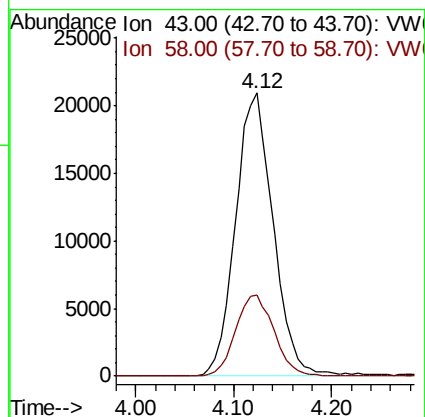
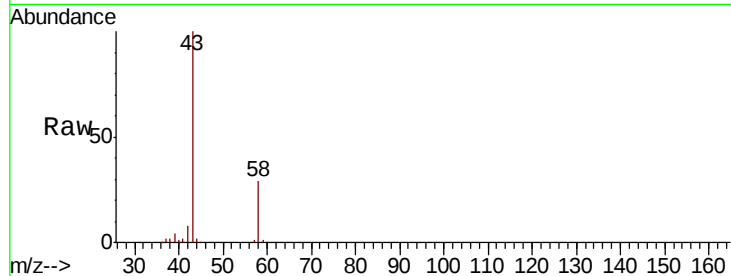
ClientSampleId :

Tot Ion: 43 Resp: 55874

Ion Ratio Lower Upper

43 100

58 28.9 21.2 31.8



#18

Methyl Acetate

Concen: 13.531 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007788.D

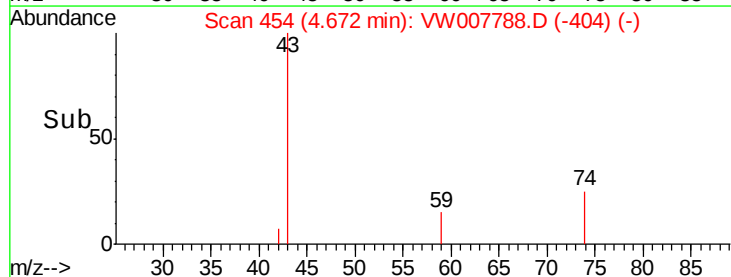
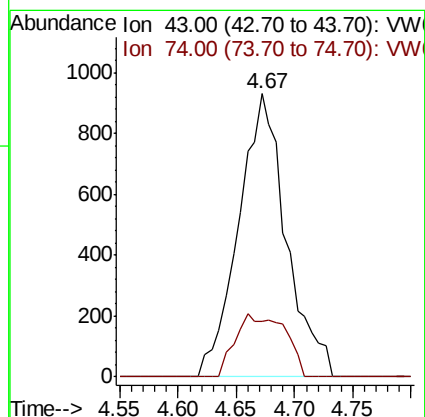
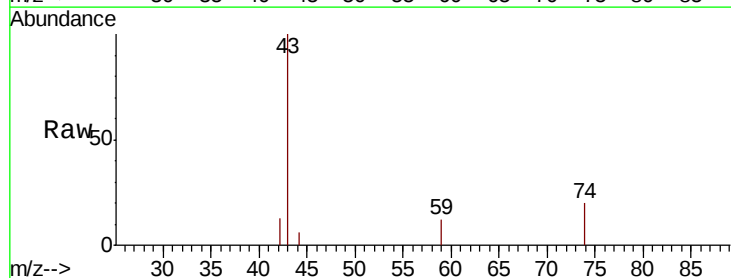
Acq: 21 Dec 2018 11:41

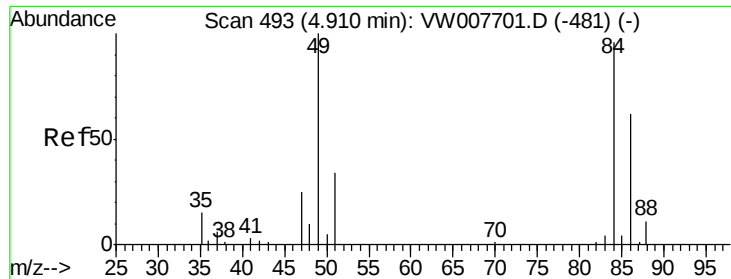
Tgt Ion: 43 Resp: 2647

Ion Ratio Lower Upper

43 100

74 23.0 22.7 34.1





#20

Methylene Chloride

Concen: 26.463 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW007788.D

Acq: 21 Dec 2018 11:41

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 84 Resp: 12107

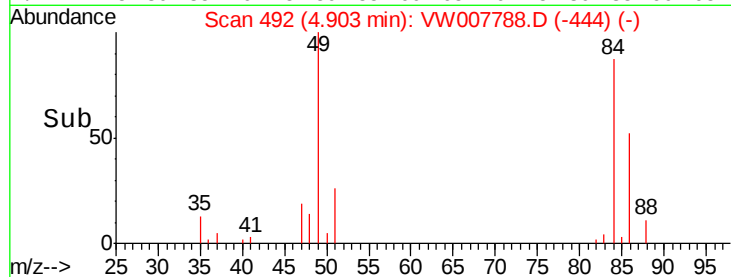
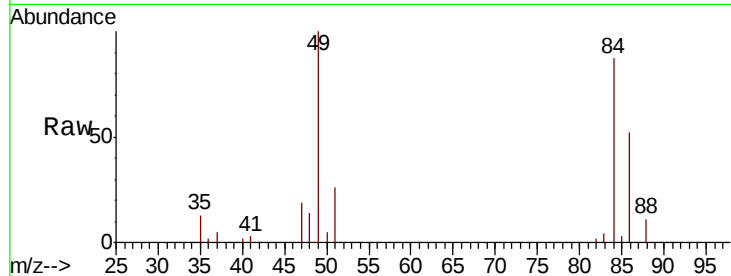
Ion Ratio Lower Upper

84 100

49 114.6 83.7 125.5

51 29.3 28.2 42.2

86 59.6 52.2 78.2



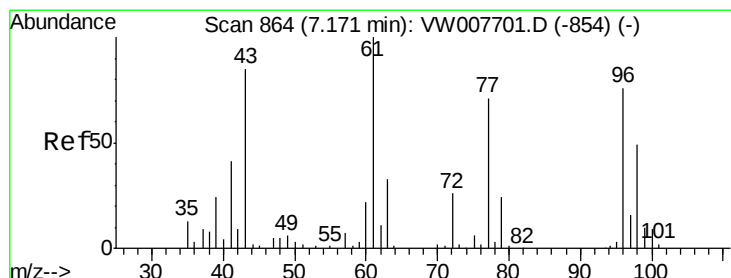
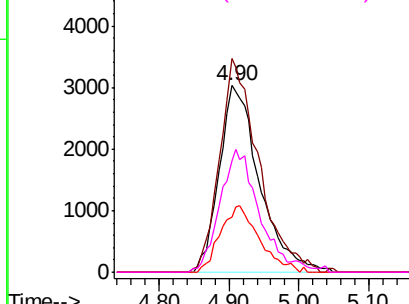
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 37.064 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007788.D

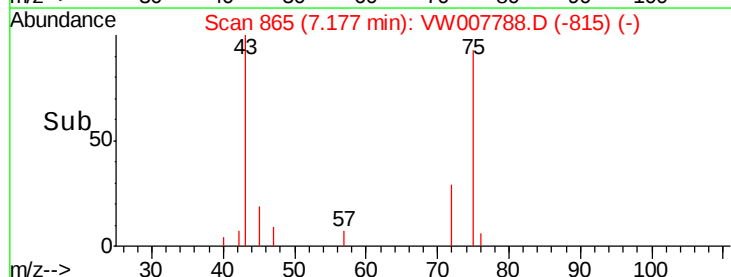
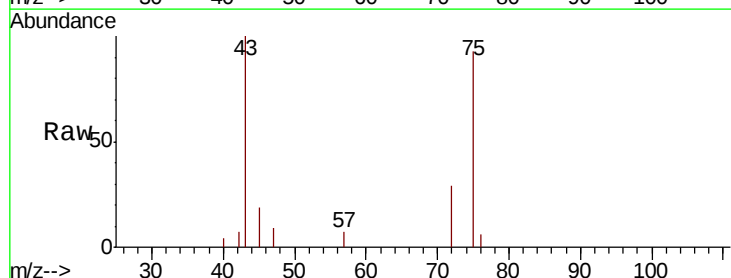
Acq: 21 Dec 2018 11:41

Tgt Ion: 43 Resp: 3571

Ion Ratio Lower Upper

43 100

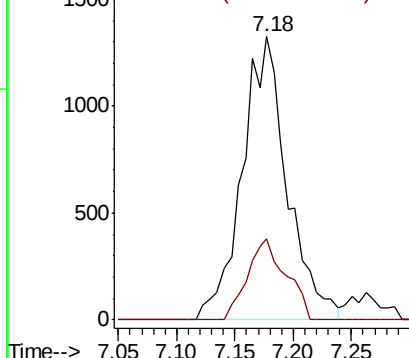
72 28.5 24.5 36.7

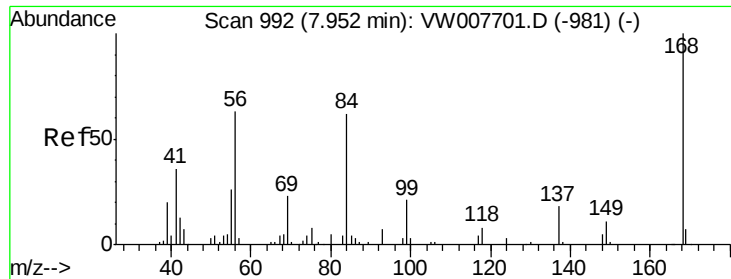


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

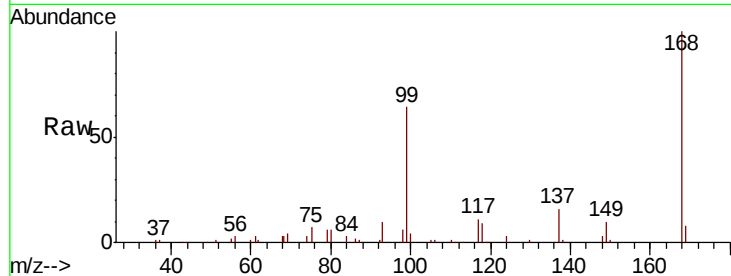




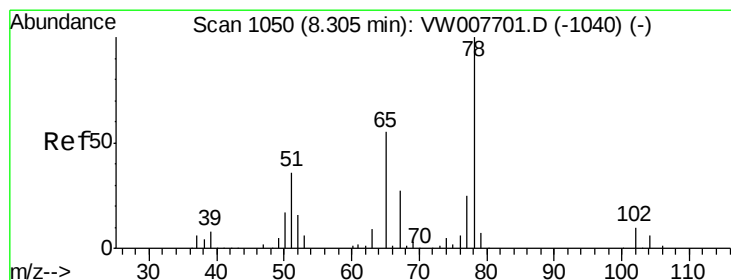
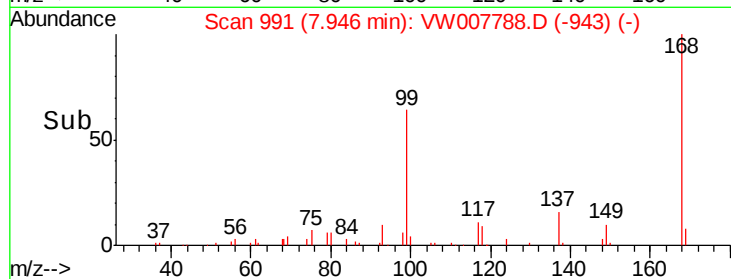
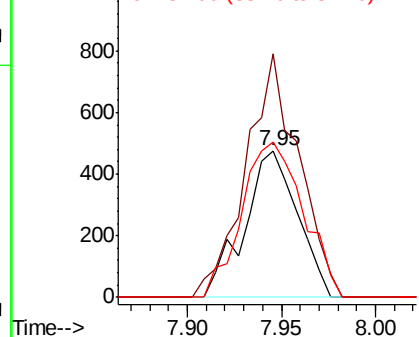
#31
Cyclohexane
Concen: 1.421 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007788.D
Acq: 21 Dec 2018 11:41

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 929
Ion Ratio Lower Upper
56 100
69 165.8 29.7 44.5#
84 105.5 78.9 118.3

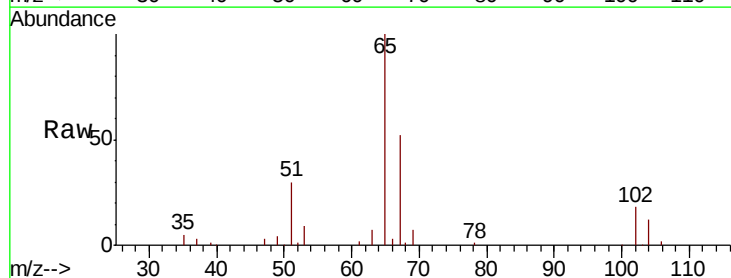


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

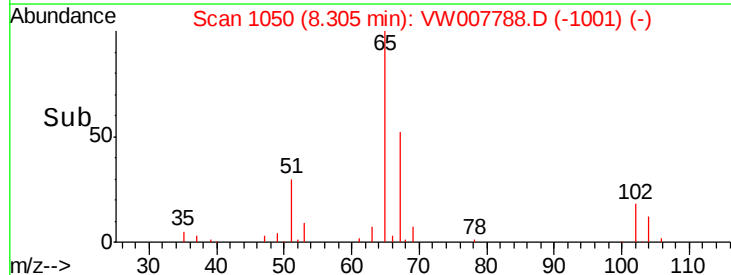
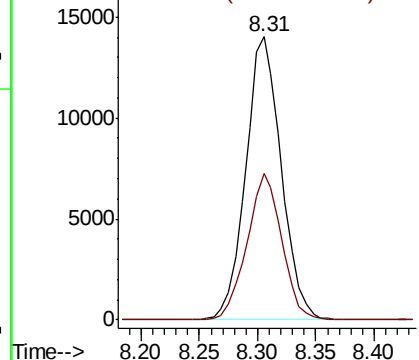


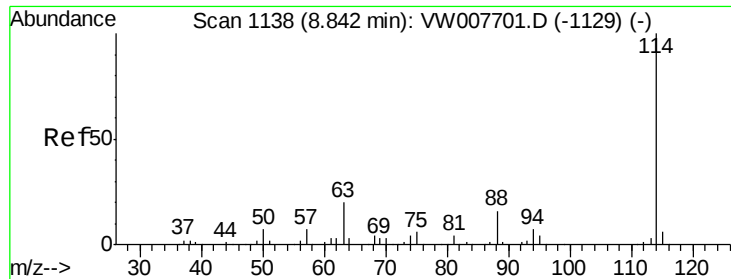
#33
1,2-Dichloroethane-d4
Concen: 67.843 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007788.D
Acq: 21 Dec 2018 11:41

Tgt Ion: 65 Resp: 29801
Ion Ratio Lower Upper
65 100
67 50.4 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

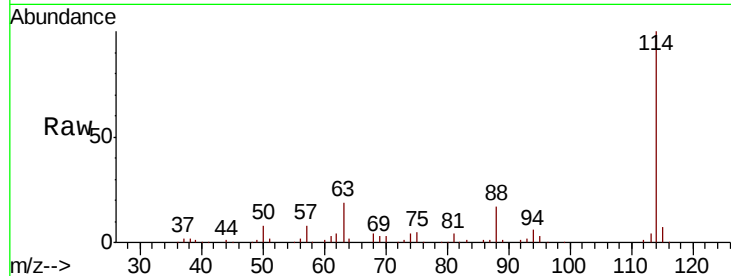




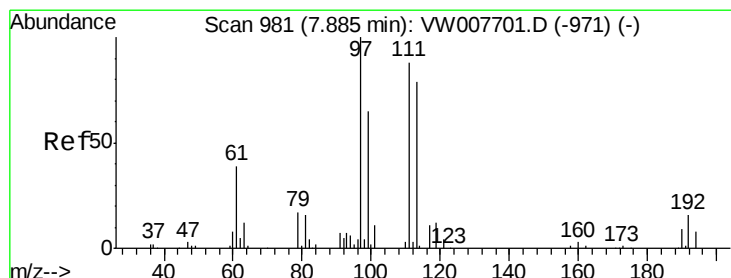
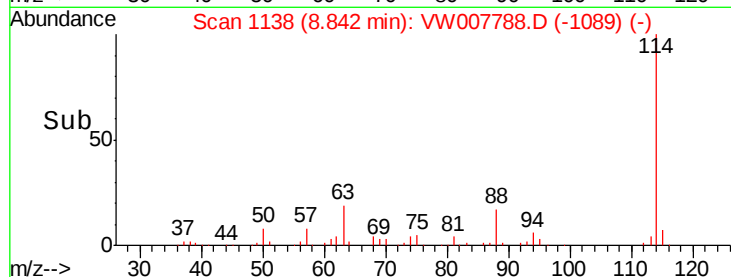
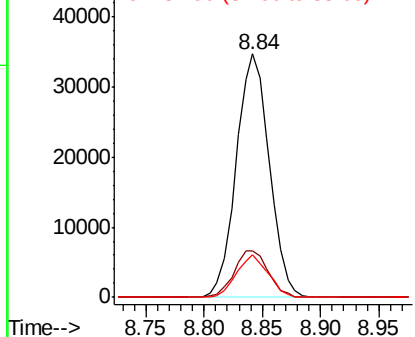
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007788.D
 Acq: 21 Dec 2018 11:41

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 68782
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 17.4 0.0 32.6

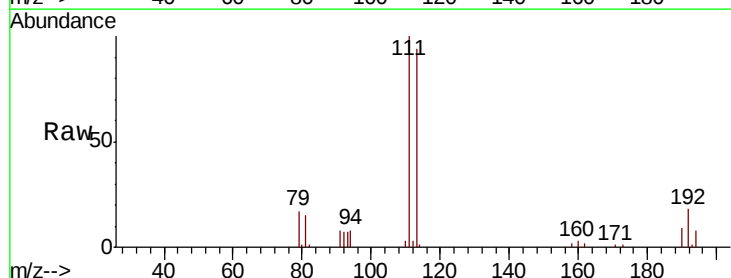


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

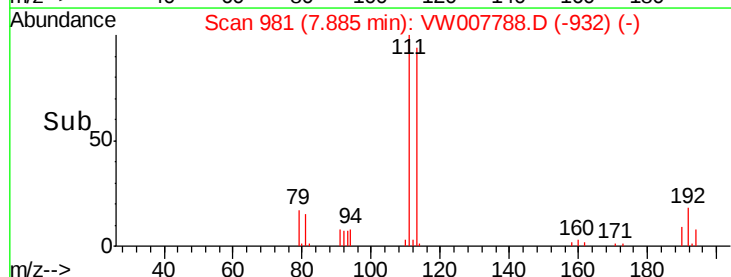
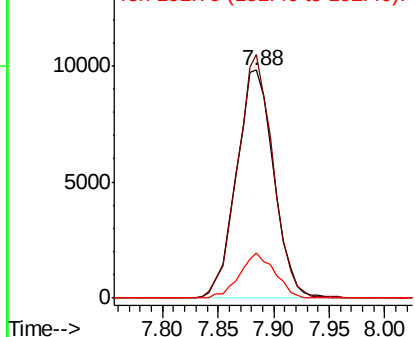


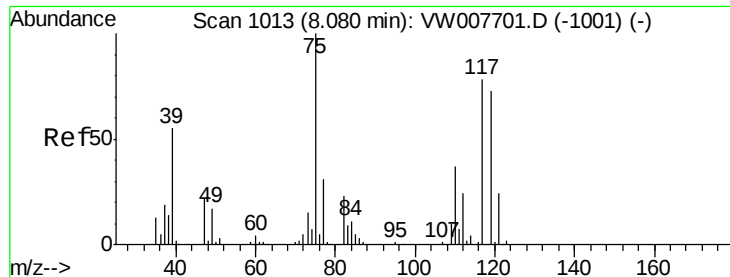
#35
 Dibromofluoromethane
 Concen: 54.578 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007788.D
 Acq: 21 Dec 2018 11:41

Tgt Ion:113 Resp: 22901
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.6 124.0
 192 18.4 15.5 23.3



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

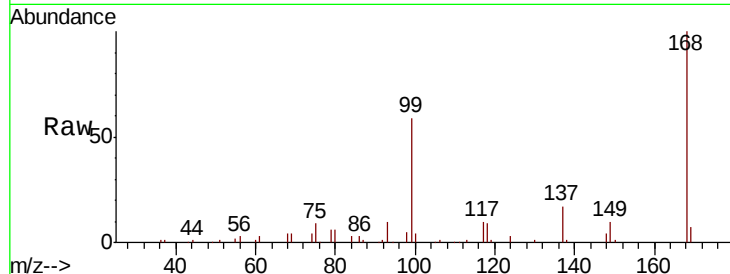




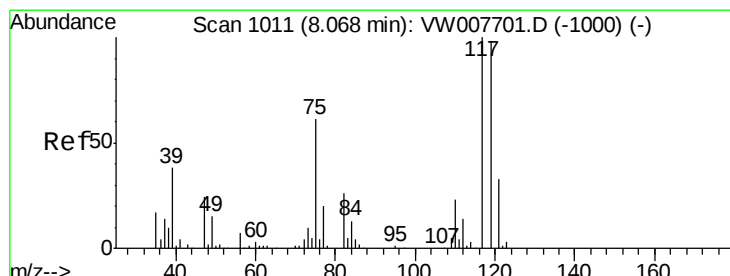
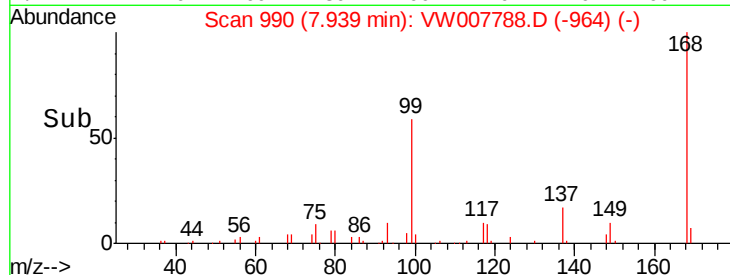
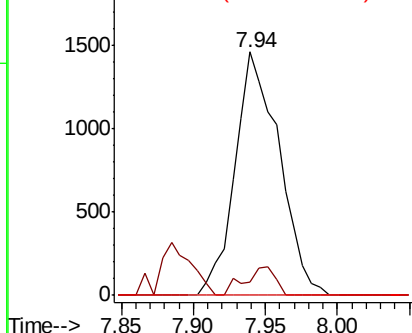
#36
 1,1-Dichloropropene
 Concen: 4.677 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW007788.D
 Acq: 21 Dec 2018 11:41

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.6	55.8#
77	0.0	25.0	37.4#

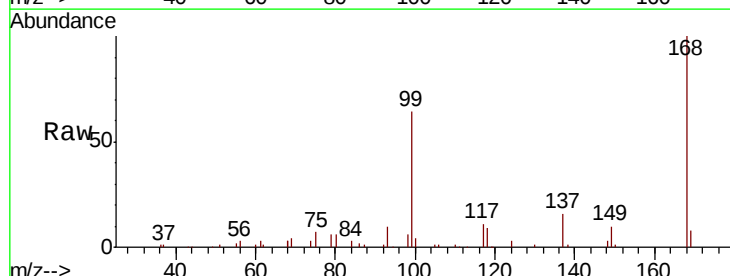


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

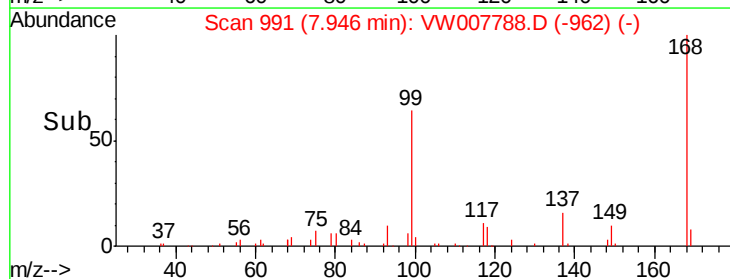
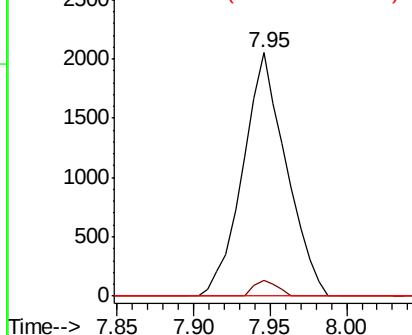


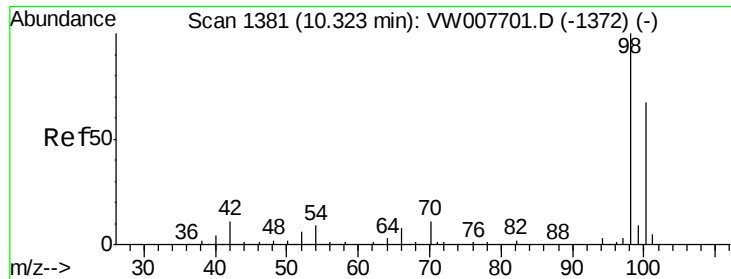
#38
 Carbon Tetrachloride
 Concen: 5.178 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW007788.D
 Acq: 21 Dec 2018 11:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	78.2	117.2#
121	0.0	26.1	39.1#



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: 35.125 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007788.D

Acq: 21 Dec 2018 11:41

Instrument :

MSVOA_W

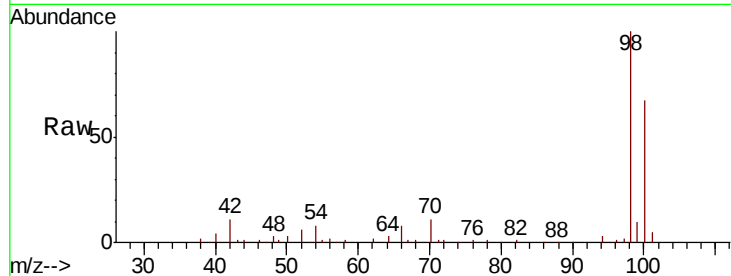
ClientSampleId :

Tot Ion: 98 Resp: 55562

Ion Ratio Lower Upper

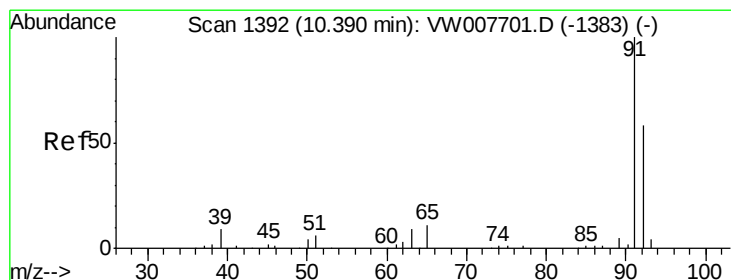
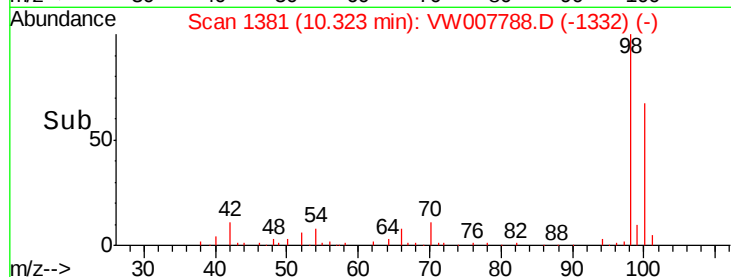
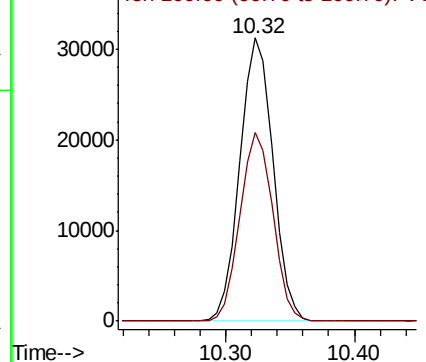
98 100

100 66.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 3.231 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007788.D

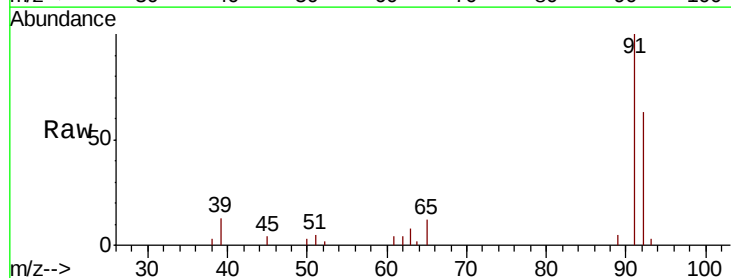
Acq: 21 Dec 2018 11:41

Tgt Ion: 92 Resp: 3840

Ion Ratio Lower Upper

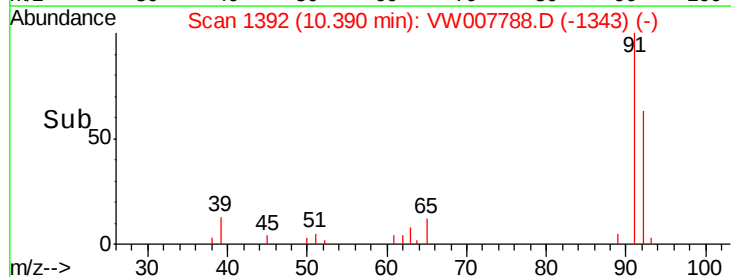
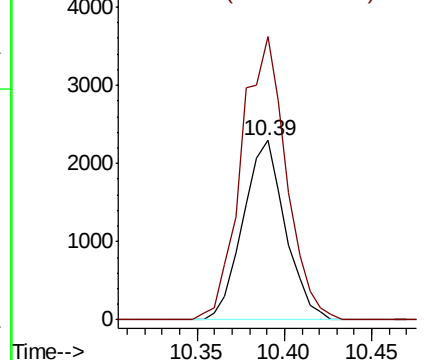
92 100

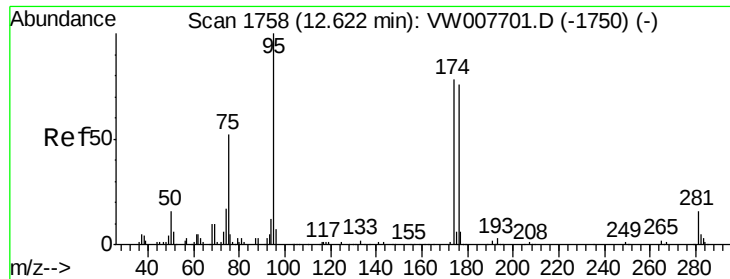
91 168.6 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#62

4-Bromofluorobenzene

Concen: 22.734 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW007788.D

Acq: 21 Dec 2018 11:41

Instrument :

MSVOA_W

ClientSampleId :

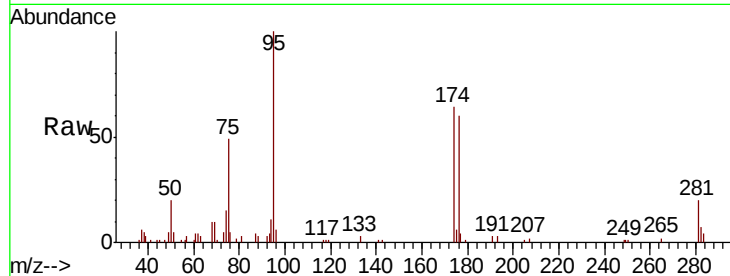
Tot Ion: 95 Resp: 13893

Ion Ratio Lower Upper

95 100

174 73.7 0.0 152.2

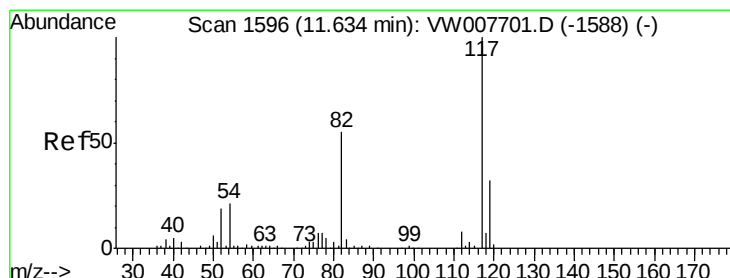
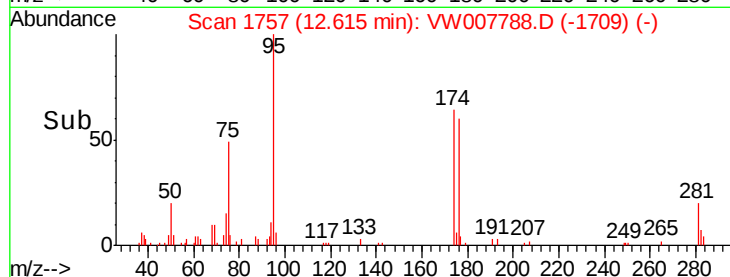
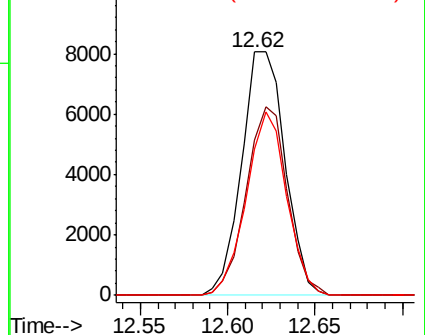
176 70.1 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007788.D

Acq: 21 Dec 2018 11:41

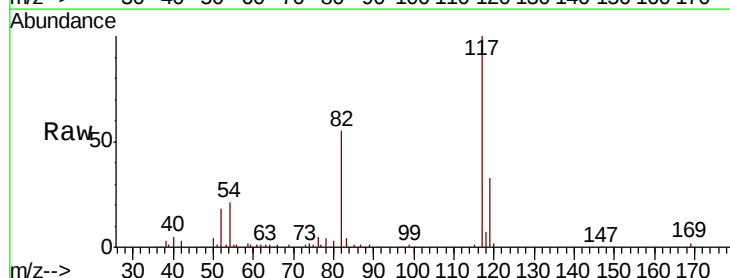
Tgt Ion: 117 Resp: 42977

Ion Ratio Lower Upper

117 100

82 55.5 44.3 66.5

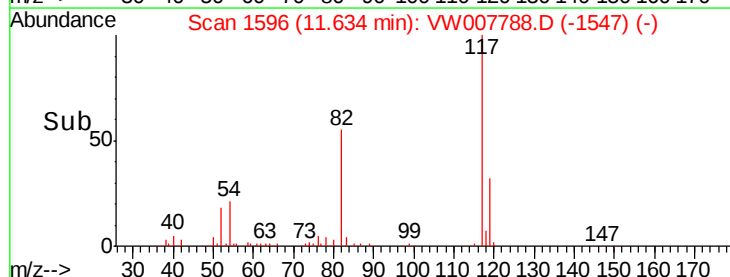
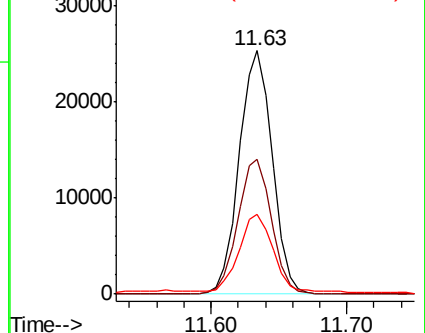
119 31.5 25.7 38.5

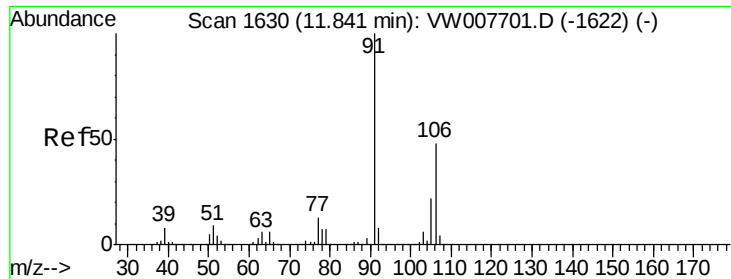


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

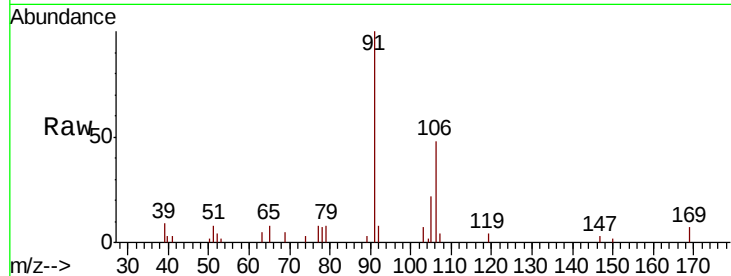




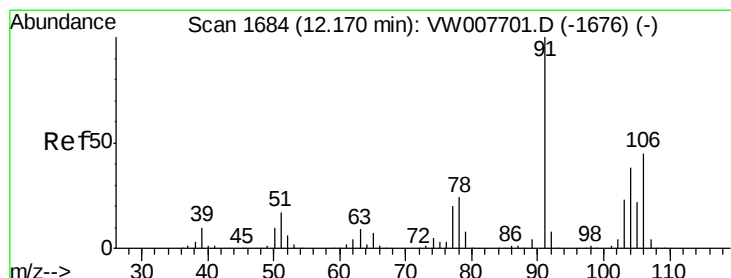
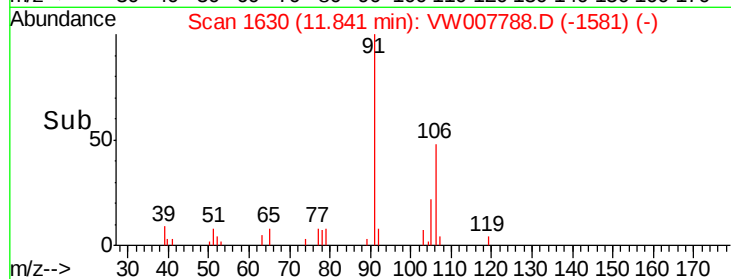
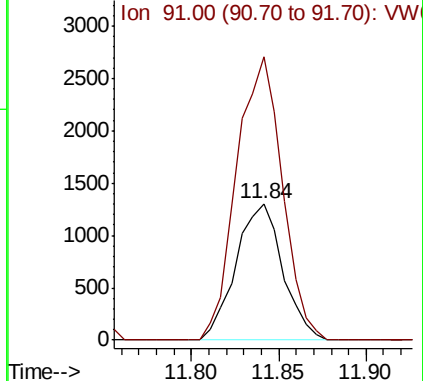
#68
m/p-Xylenes
Concen: 3.903 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007788.D
Acq: 21 Dec 2018 11:41

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 2417
Ion Ratio Lower Upper
106 100
91 203.5 165.2 247.8

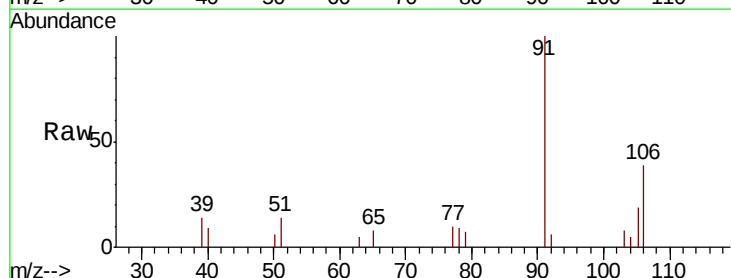


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

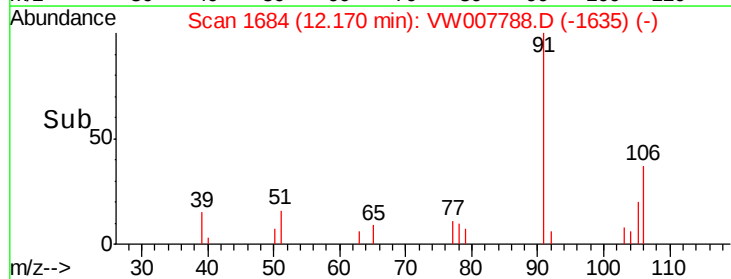
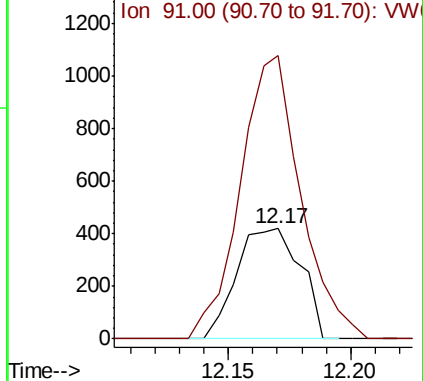


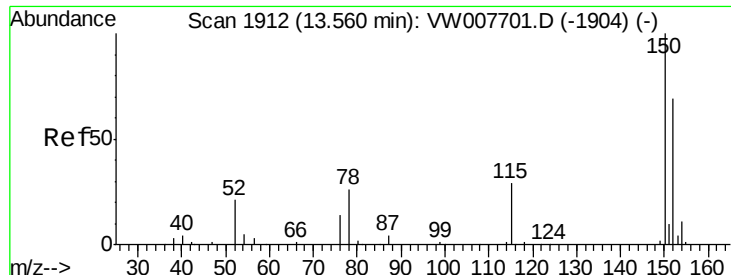
#69
o-Xylene
Concen: 1.308 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007788.D
Acq: 21 Dec 2018 11:41

Tgt Ion:106 Resp: 759
Ion Ratio Lower Upper
106 100
91 244.3 110.5 331.4



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007788.D

Acq: 21 Dec 2018 11:41

Instrument :

MSVOA_W

ClientSampleId :

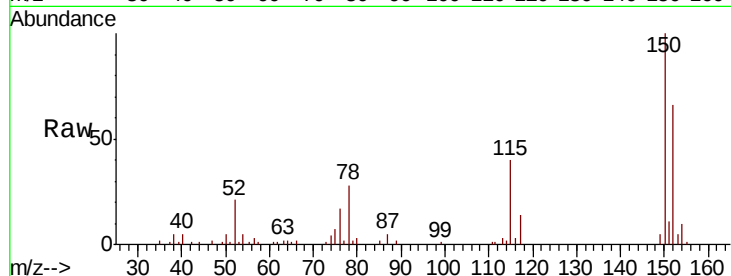
Tot Ion:152 Resp: 10686

Ion Ratio Lower Upper

152 100

115 61.6 31.8 95.4

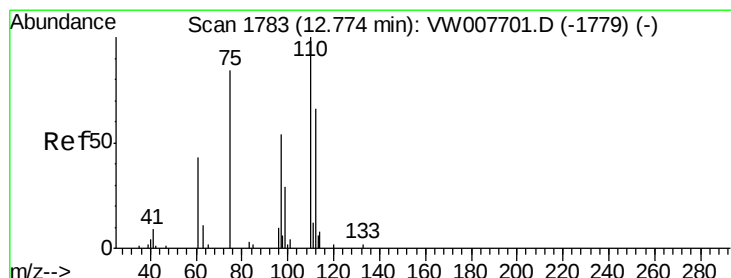
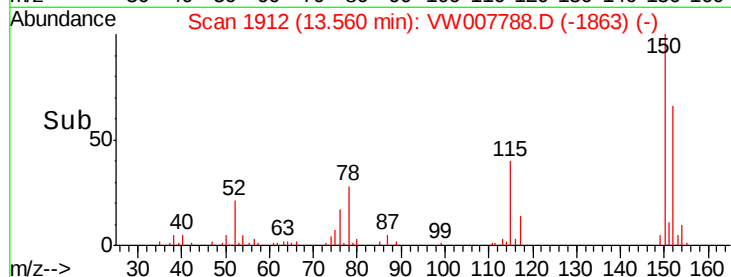
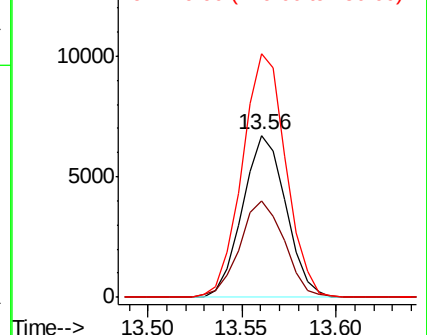
150 151.3 0.0 350.8



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: 83.845 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007788.D

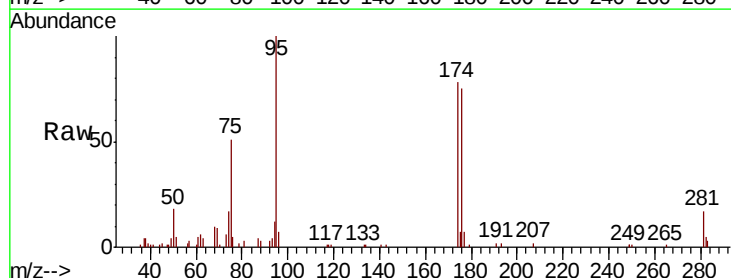
Acq: 21 Dec 2018 11:41

Tgt Ion: 75 Resp: 6925

Ion Ratio Lower Upper

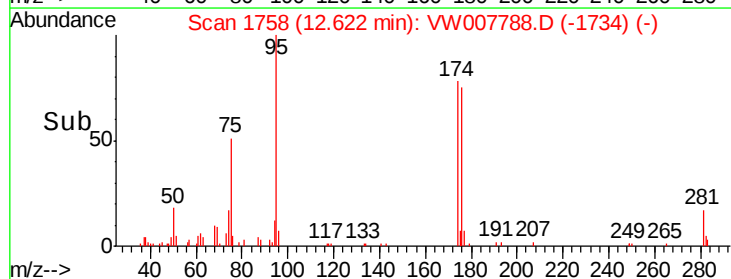
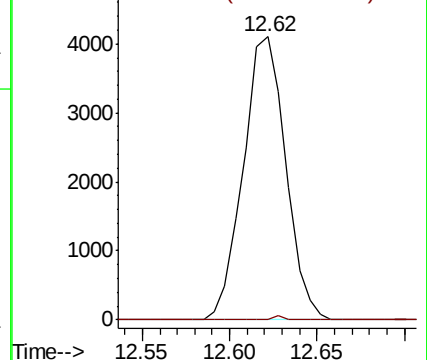
75 100

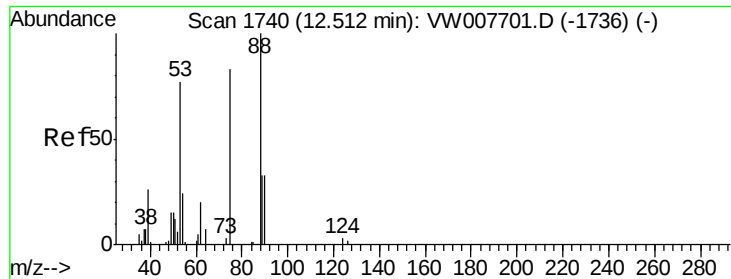
77 0.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

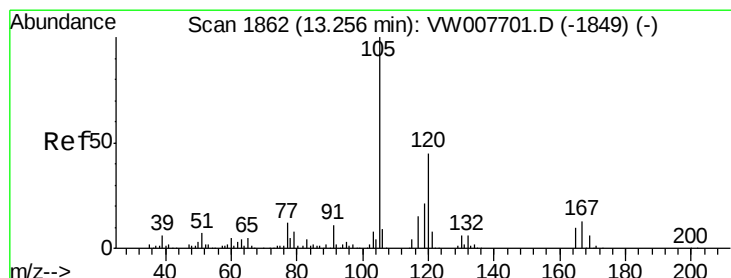
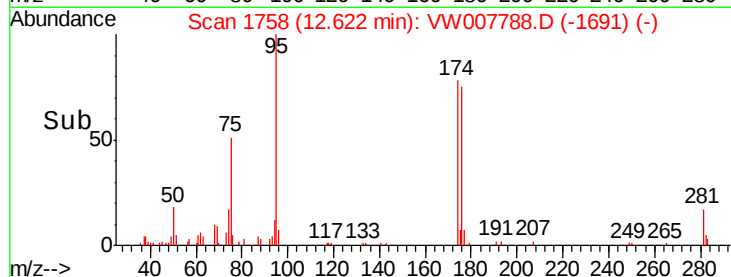
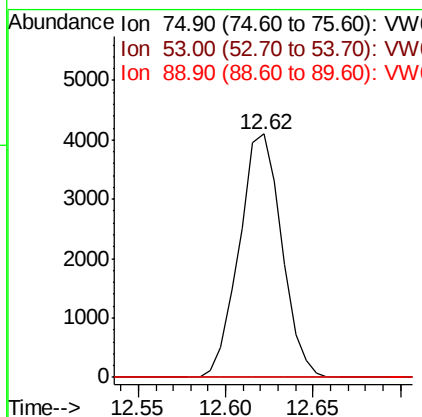
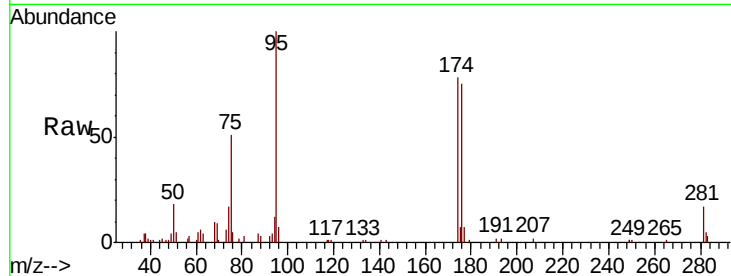




#81
trans-1,4-Dichloro-2-butene
Concen: 175.997 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW007788.D
Acq: 21 Dec 2018 11:41

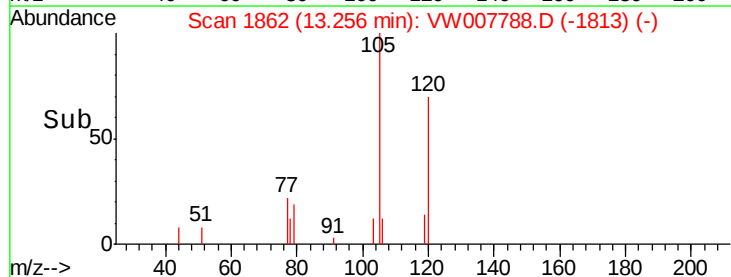
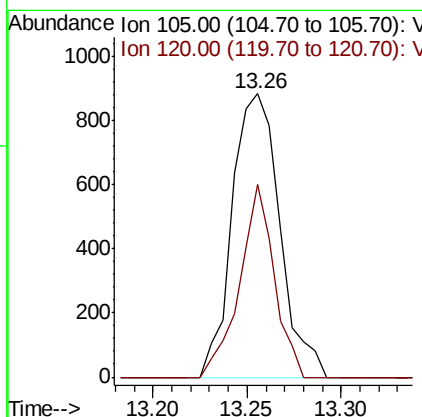
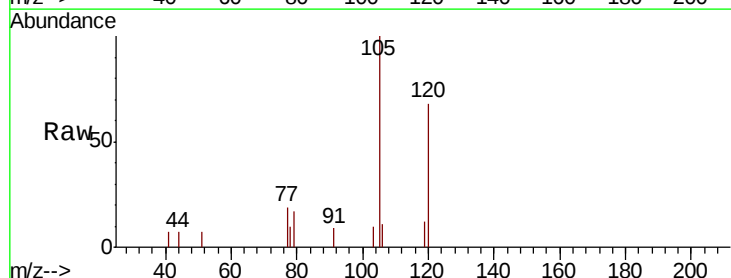
Instrument :
MSVOA_W
ClientSampleId :

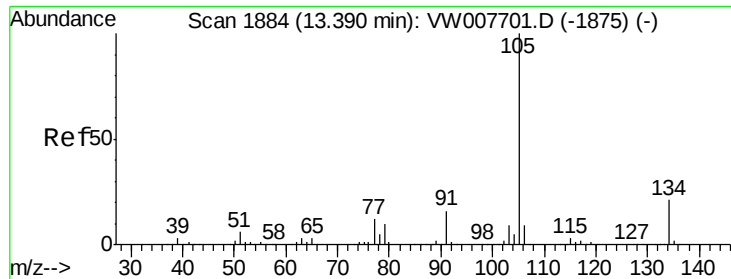
Tot Ion: 75 Resp: 6925
Ion Ratio Lower Upper
75 100
53 0.0 80.2 120.2#
89 0.0 39.2 58.8#



#84
1,2,4-Trimethylbenzene
Concen: 2.193 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007788.D
Acq: 21 Dec 2018 11:41

Tgt Ion: 105 Resp: 1542
Ion Ratio Lower Upper
105 100
120 49.2 22.0 66.0

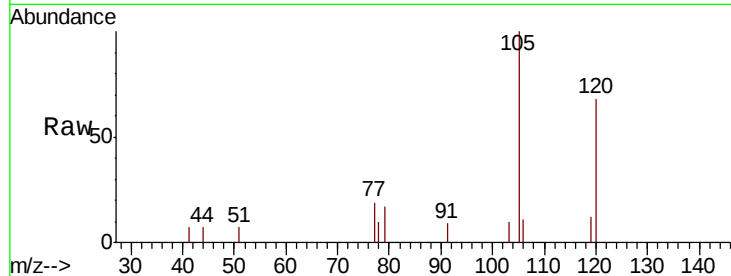




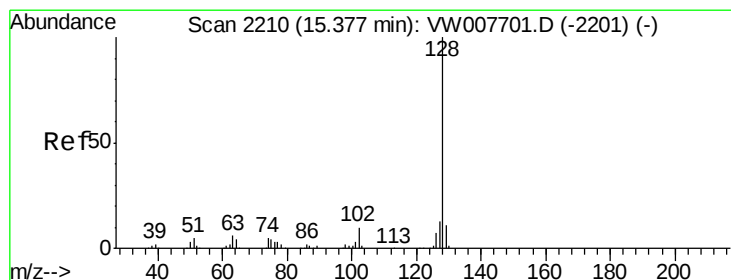
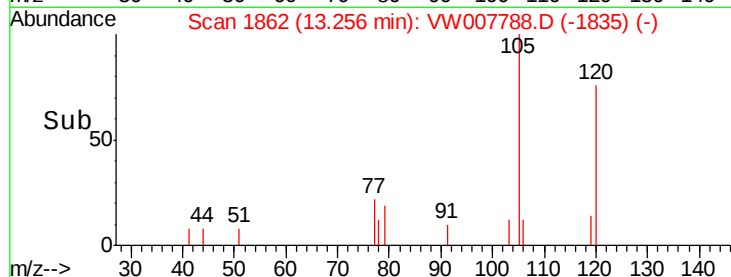
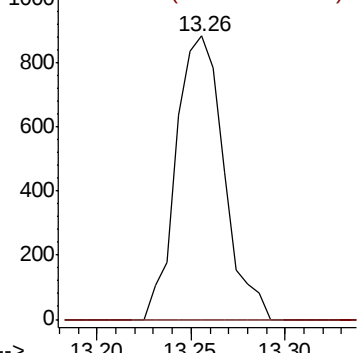
#85
 sec-Butylbenzene
 Concen: 1.830 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.13 min
 Lab File: VW007788.D
 Acq: 21 Dec 2018 11:41

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:105 Resp: 1542
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#

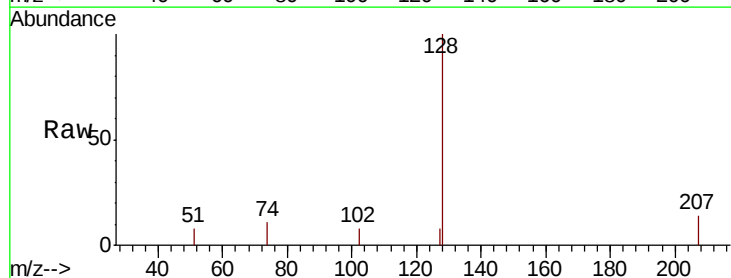


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V



#95
 Naphthalene
 Concen: 3.289 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW007788.D
 Acq: 21 Dec 2018 11:41

Tgt Ion:128 Resp: 1389
 Ion Ratio Lower Upper
 128 100
 127 7.1 10.7 16.1#
 129 1.7 8.8 13.2#



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

