

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008686.D
 Acq On : 15 Feb 2019 15:58
 Operator : SY/VA
 Sample : K1346-15
 Misc : 6.42G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 16 00:34:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	380102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	577311	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	486584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	202680	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	206098	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
35) Dibromofluoromethane	7.88	113	182227	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
50) Toluene-d8	10.32	98	675415	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.62	95	215748	41.45	ug/l	0.00
Spiked Amount			Recovery	=	82.90%	

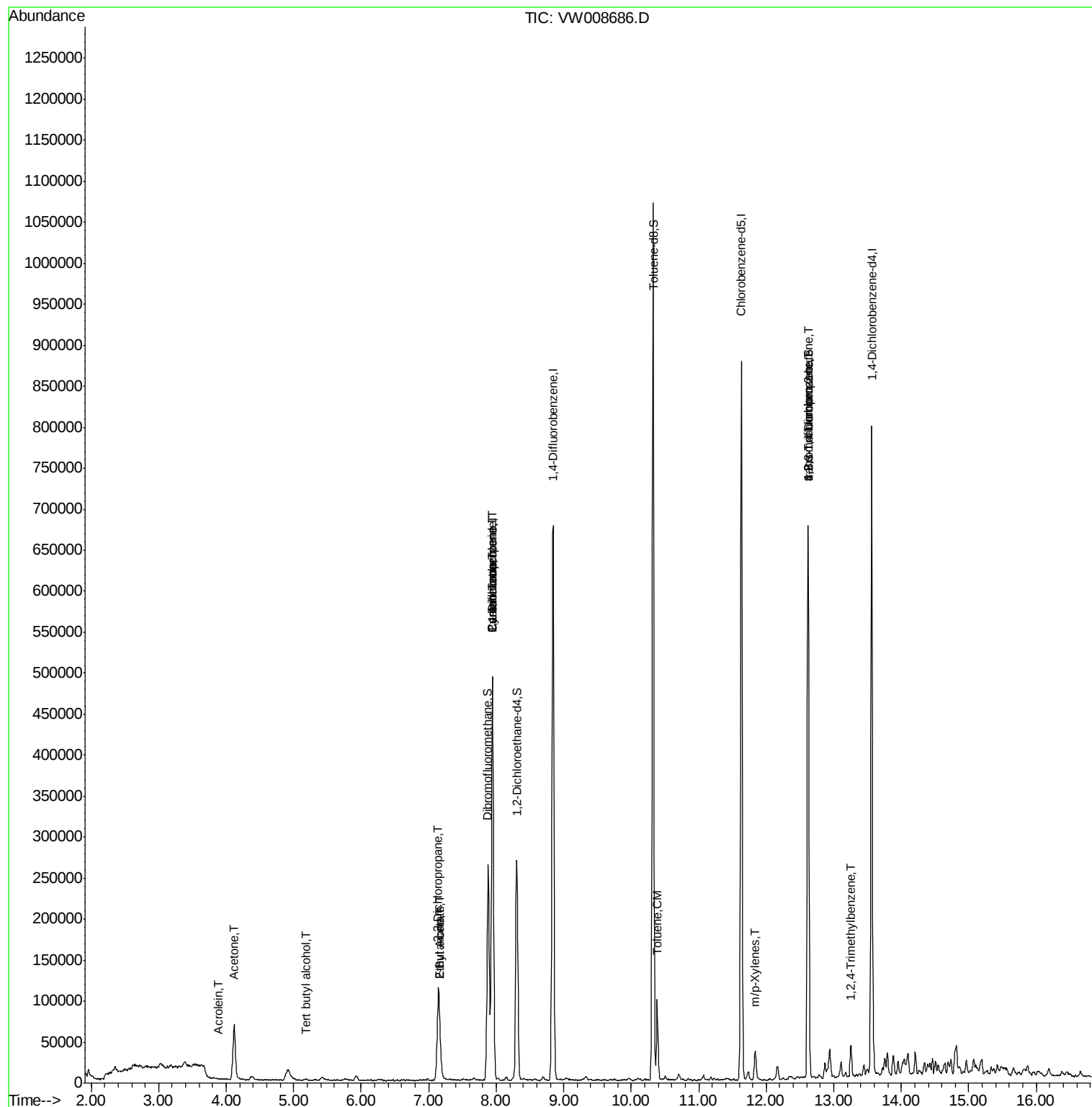
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	1693	5.355	ug/l	95
13) Acrolein	3.89	56	464	1.424	ug/l #	21
16) Acetone	4.12	43	111300	123.773	ug/l	97
20) Methylene Chloride	4.90	84	10725	Below Cal	#	77
25) 2-Butanone	7.17	43	24490	19.287	ug/l #	88
26) 2,2-Dichloropropane	7.15	77	7822	1.749	ug/l #	52
31) Cyclohexane	7.95	56	9410	1.302	ug/l #	42
36) 1,1-Dichloropropene	7.95	75	27777	4.789	ug/l #	52
37) Ethyl Acetate	7.17	43	24490	8.753	ug/l #	70
38) Carbon Tetrachloride	7.95	117	36435	6.317	ug/l #	18
52) Toluene	10.38	92	40744	3.987	ug/l	98
68) m/p-Xylenes	11.83	106	9163	1.261	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	113639	56.781	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	113639	121.401	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.25	105	21947	1.703	ug/l	100

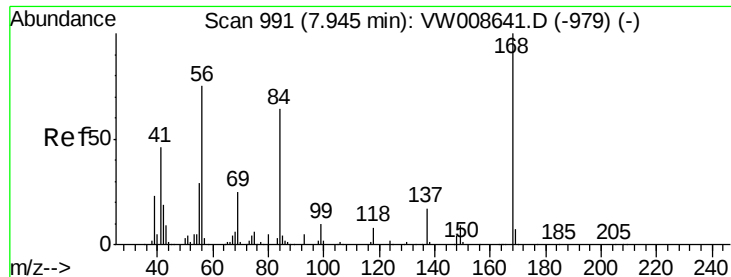
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
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: VW008686.D

Acq: 15 Feb 2019 15:58

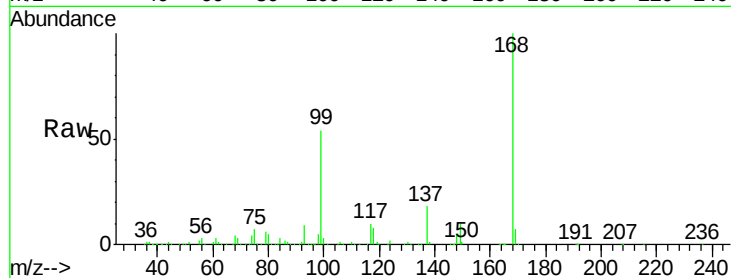
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 380102

Ion Ratio Lower Upper

168 100

99 53.9 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

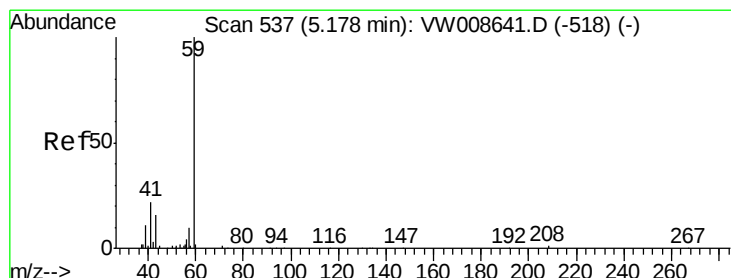
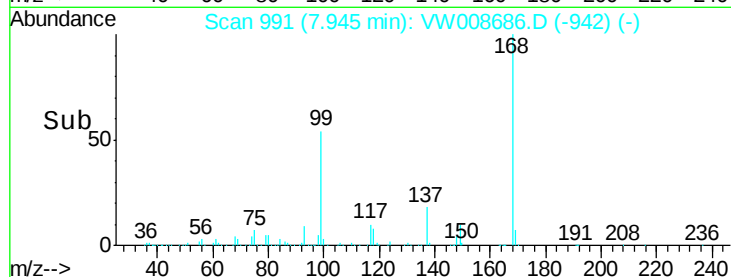
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 5.355 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.01 min

Lab File: VW008686.D

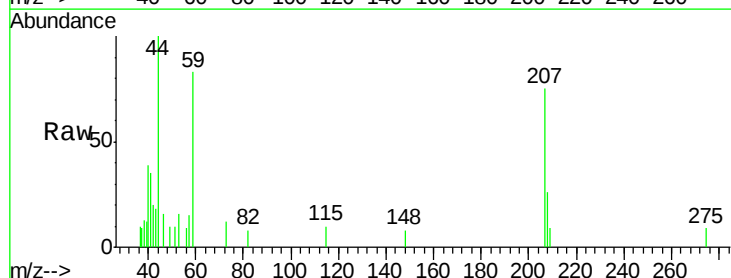
Acq: 15 Feb 2019 15:58

Tgt Ion: 59 Resp: 1693

Ion Ratio Lower Upper

59 100

57 8.4 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.19

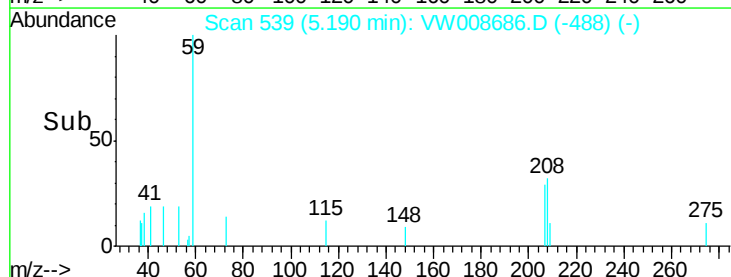
600

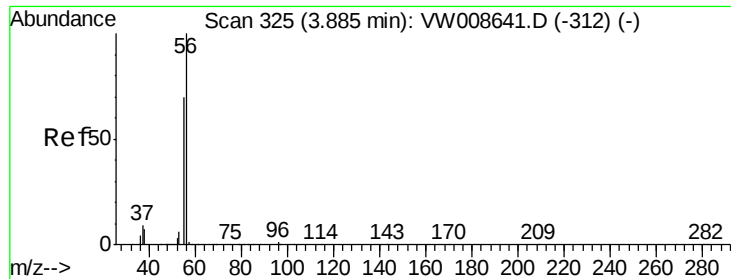
400

200

0

Time--> 5.15 5.20 5.25

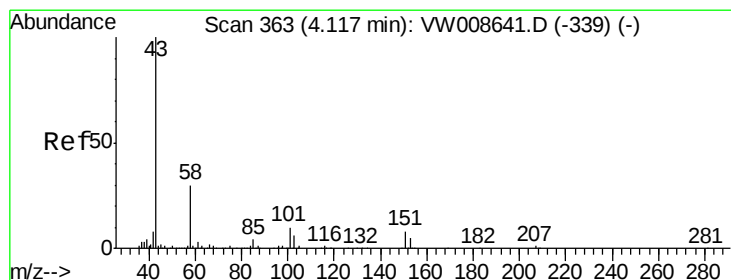
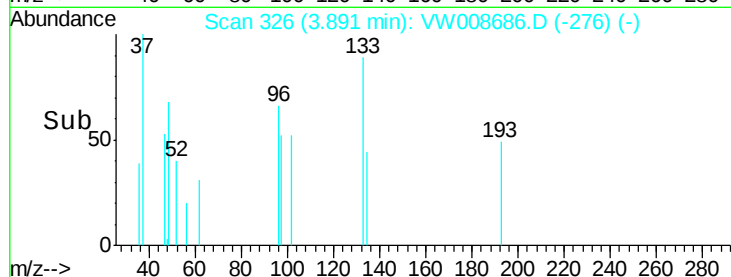
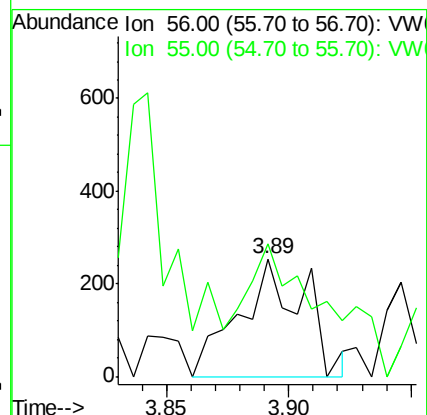
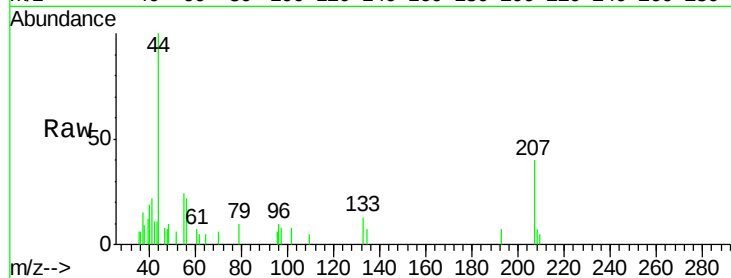




#13
Acrolein
Concen: 1.424 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.01 min
Lab File: VW008686.D
Acq: 15 Feb 2019 15:58

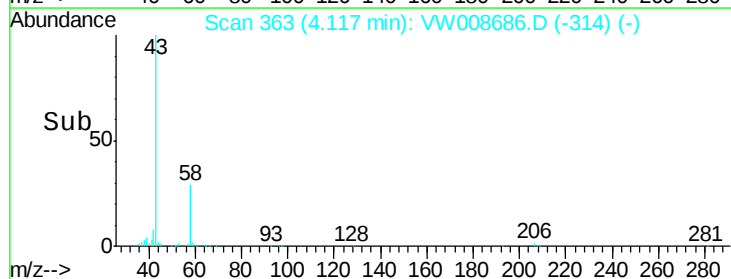
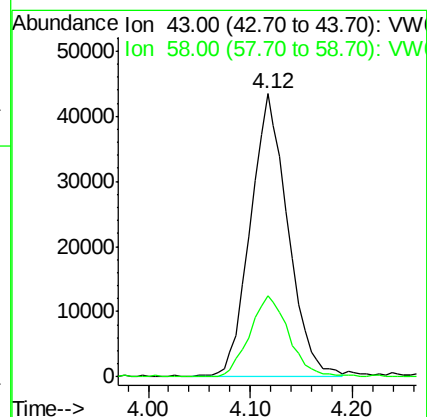
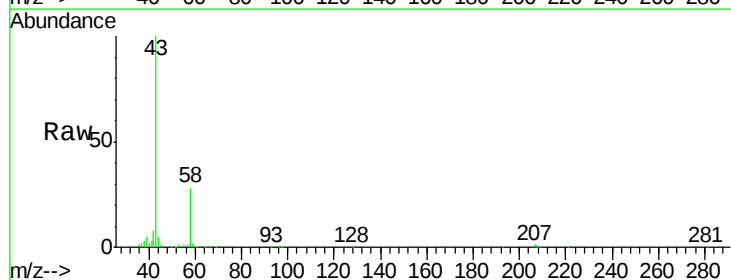
Instrument :
MSVOA_W
ClientSampled :

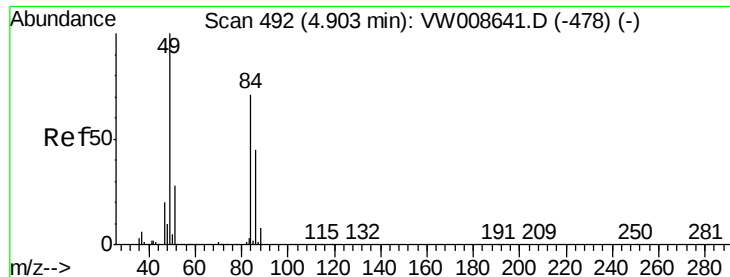
Tot Ion: 56 Resp: 464
Ion Ratio Lower Upper
56 100
55 137.9 57.4 86.2#



#16
Acetone
Concen: 123.773 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW008686.D
Acq: 15 Feb 2019 15:58

Tgt Ion: 43 Resp: 111300
Ion Ratio Lower Upper
43 100
58 28.5 24.1 36.1





#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. 0.00 min

Lab File: VW008686.D

Acq: 15 Feb 2019 15:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 10725

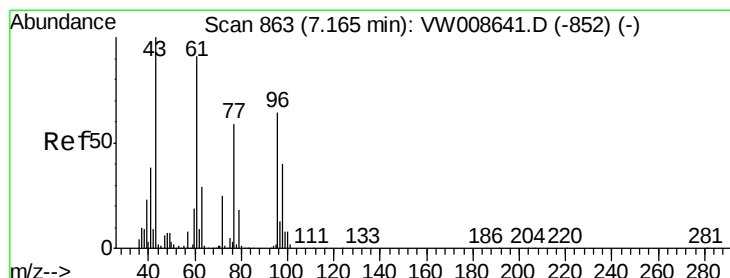
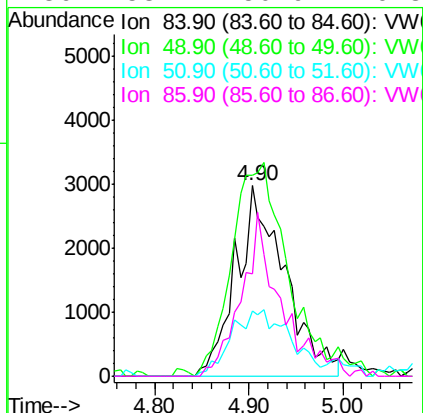
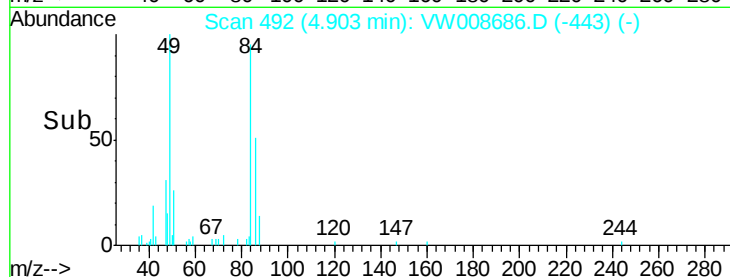
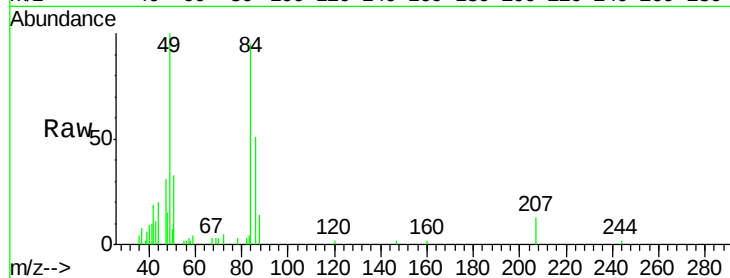
Ion Ratio Lower Upper

84 100

49 103.8 113.3 169.9#

51 34.4 32.1 48.1

86 53.7 50.9 76.3



#25

2-Butanone

Concen: 19.287 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008686.D

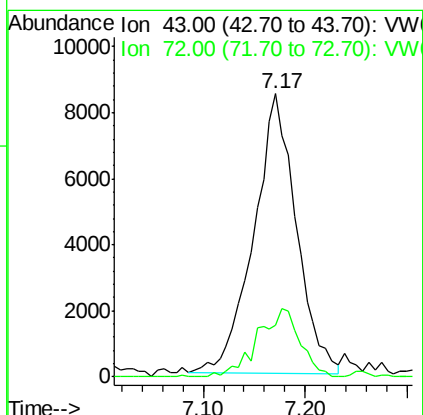
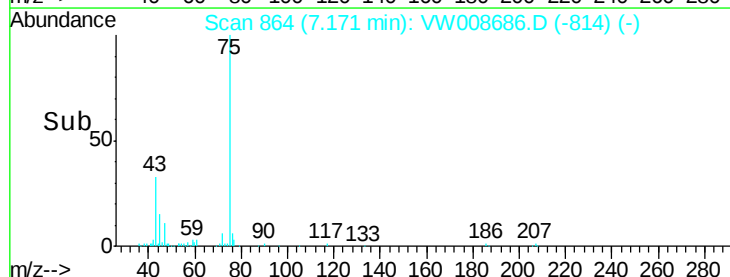
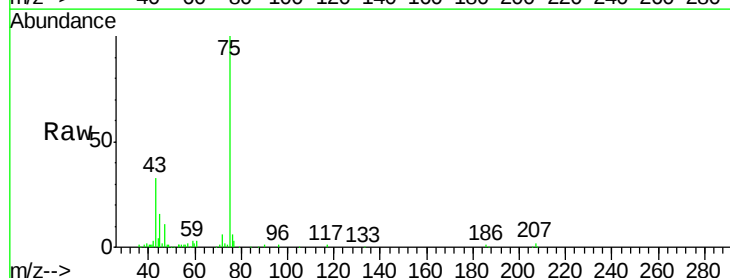
Acq: 15 Feb 2019 15:58

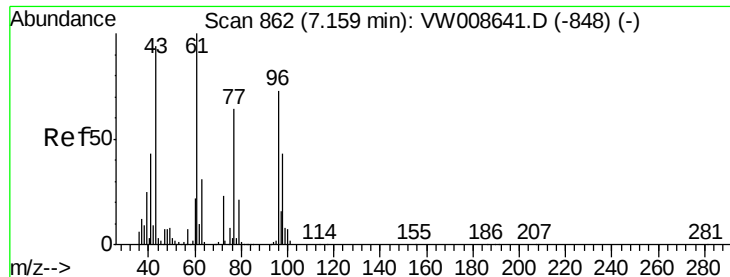
Tgt Ion: 43 Resp: 24490

Ion Ratio Lower Upper

43 100

72 18.7 19.7 29.5#





#26

2,2-Dichloropropane

Concen: 1.749 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW008686.D

Acq: 15 Feb 2019 15:58

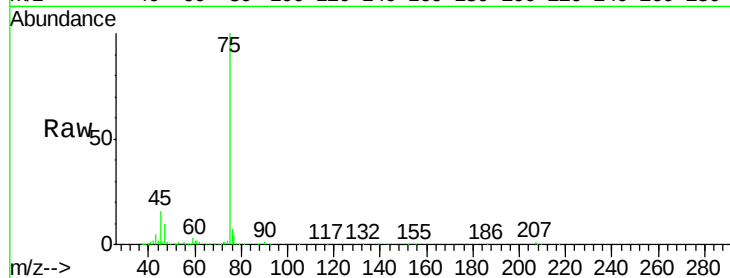
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 77 Resp: 7822

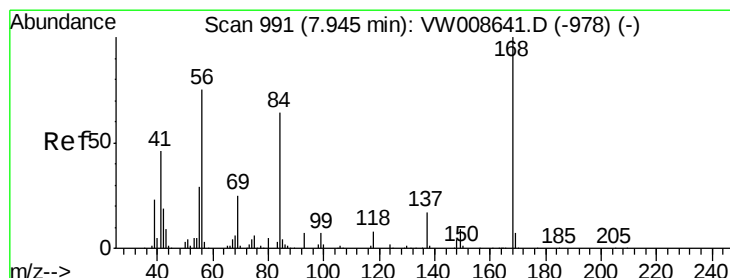
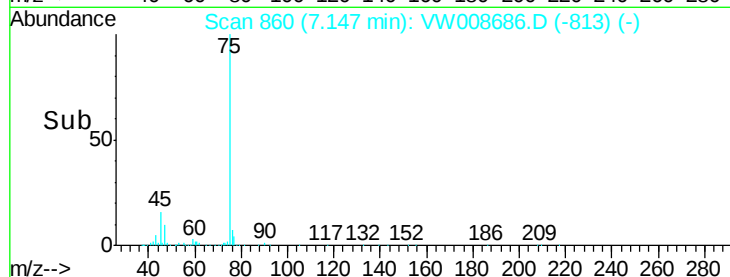
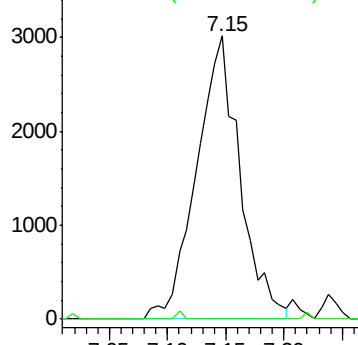
Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW



#31

Cyclohexane

Concen: 1.302 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008686.D

Acq: 15 Feb 2019 15:58

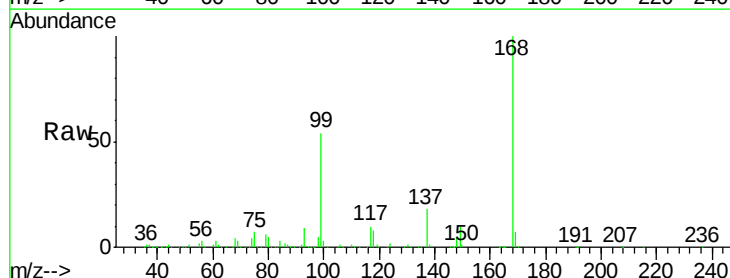
Tgt Ion: 56 Resp: 9410

Ion Ratio Lower Upper

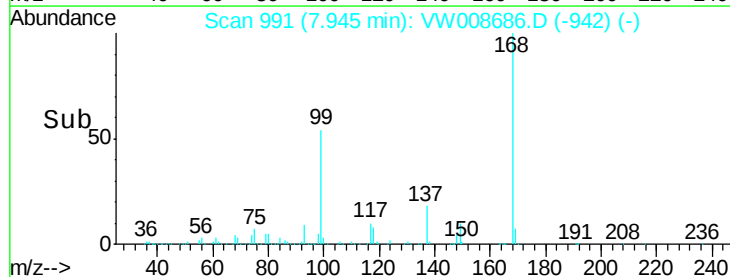
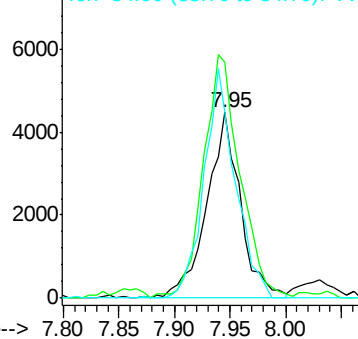
56 100

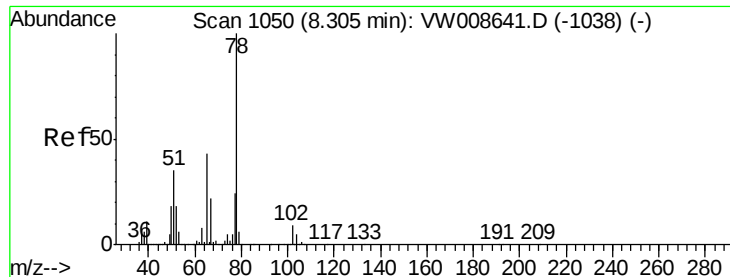
69 124.4 26.4 39.6#

84 100.0 67.4 101.2



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

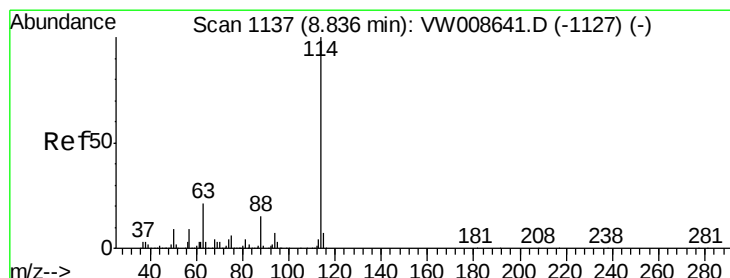
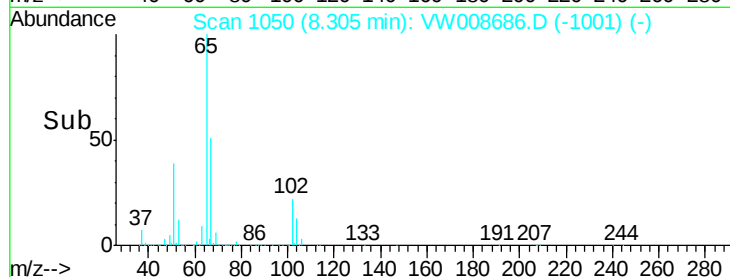
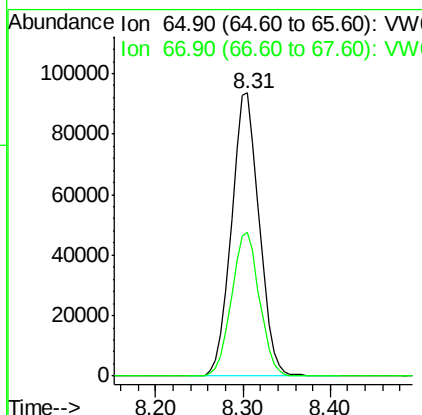
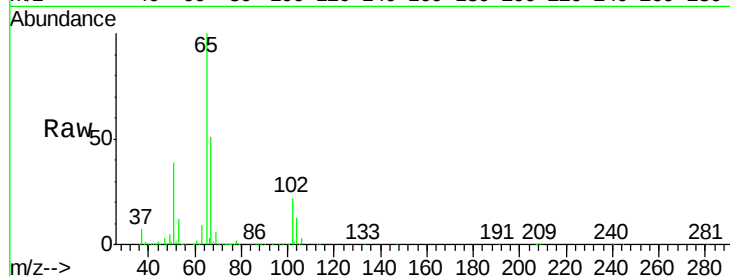




#33
 1,2-Dichloroethane-d4
 Concen: 52.155 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008686.D
 Acq: 15 Feb 2019 15:58

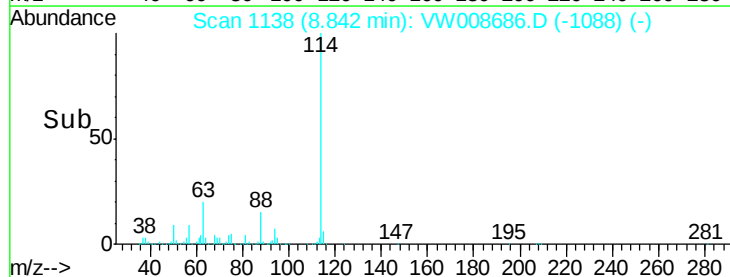
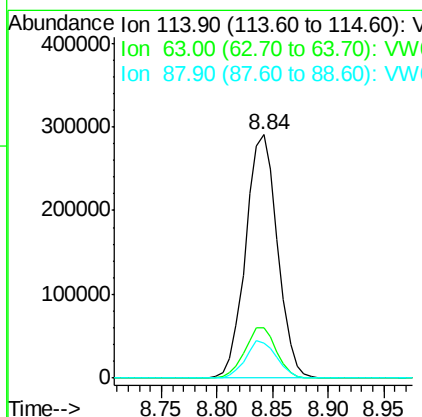
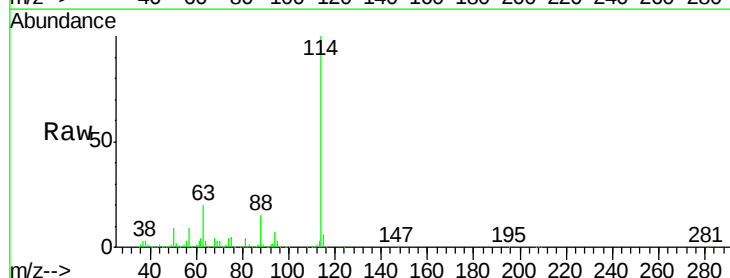
Instrument :
 MSVOA_W
 ClientSampled :

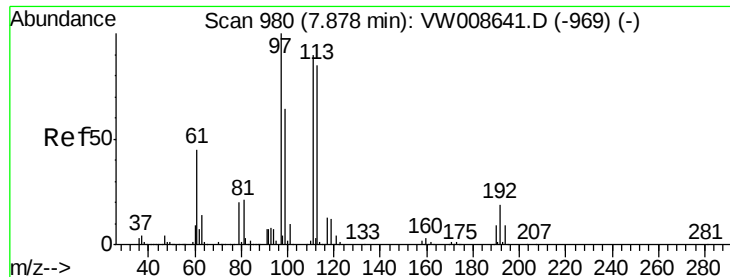
Tot Ion: 65 Resp: 206098
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008686.D
 Acq: 15 Feb 2019 15:58

Tgt Ion: 114 Resp: 577311
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.2
 88 14.6 0.0 29.6





#35

Dibromofluoromethane

Concen: 50.834 ug/l

RT: 7.88 min Scan# 981

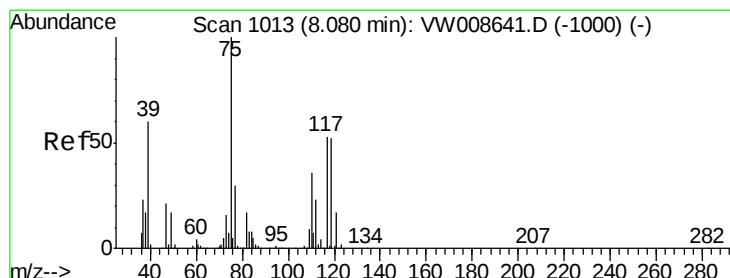
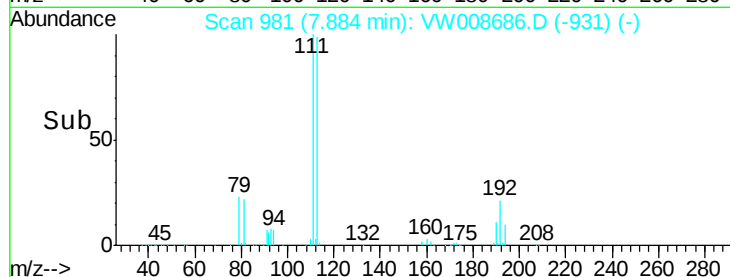
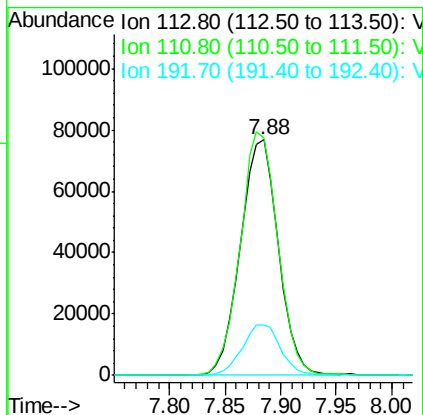
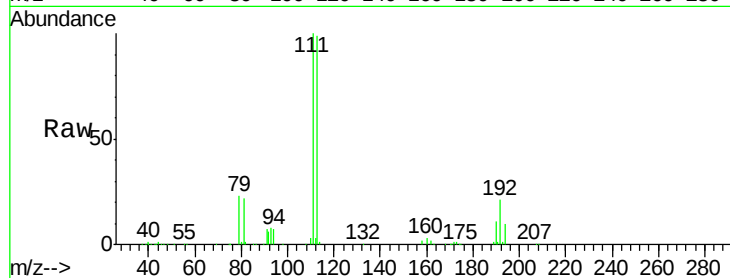
Delta R.T. 0.01 min

Lab File: VW008686.D

Acq: 15 Feb 2019 15:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:113	Resp:	182227
Ion	Ratio	Lower Upper
113	100	
111	102.8	84.0 126.0
192	21.6	17.4 26.2



#36

1,1-Dichloropropene

Concen: 4.789 ug/l

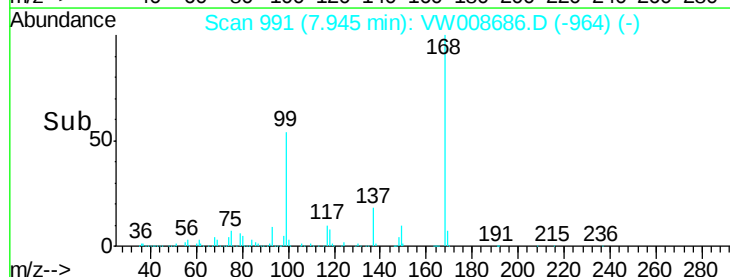
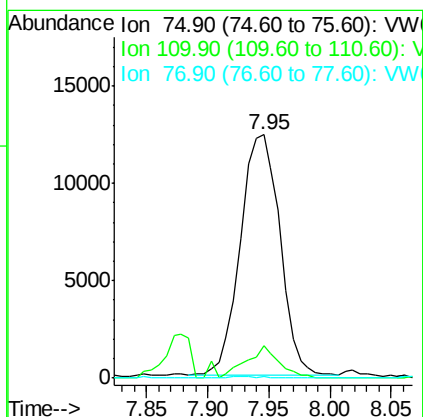
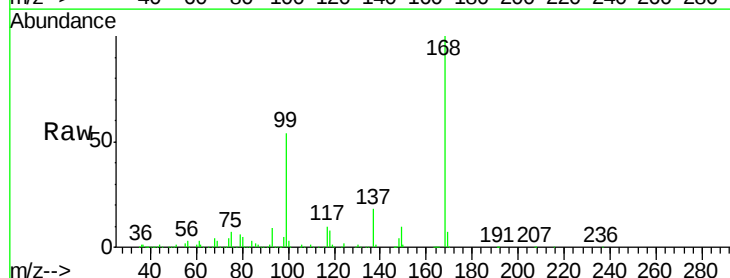
RT: 7.95 min Scan# 991

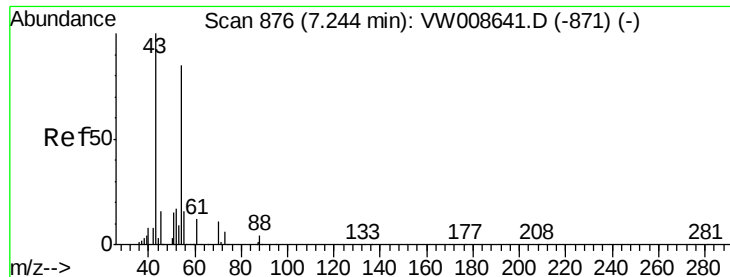
Delta R.T. -0.13 min

Lab File: VW008686.D

Acq: 15 Feb 2019 15:58

Tgt Ion: 75	Resp:	27777
Ion	Ratio	Lower Upper
75	100	
110	11.0	17.8 53.3#
77	0.5	24.7 37.1#





#37

Ethyl Acetate

Concen: 8.753 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.07 min

Lab File: VW008686.D

Acq: 15 Feb 2019 15:58

Instrument :

MSVOA_W

ClientSampled :

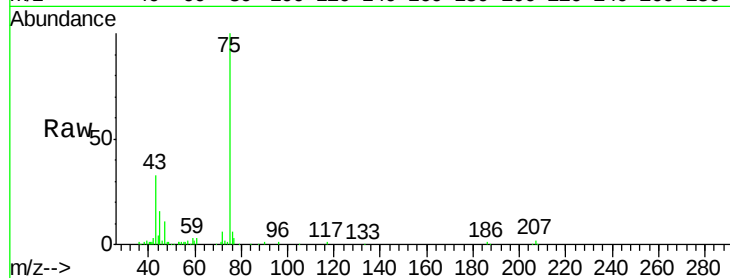
Tot Ion: 43 Resp: 24490

Ion Ratio Lower Upper

43 100

61 0.0 10.5 15.7#

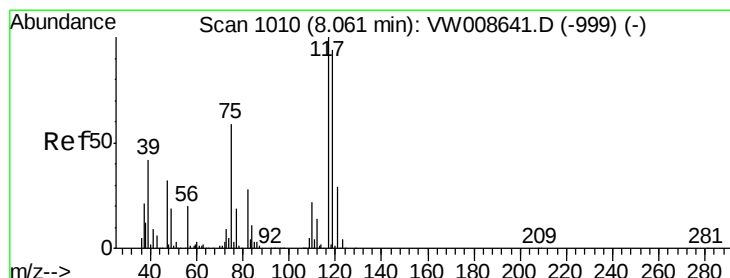
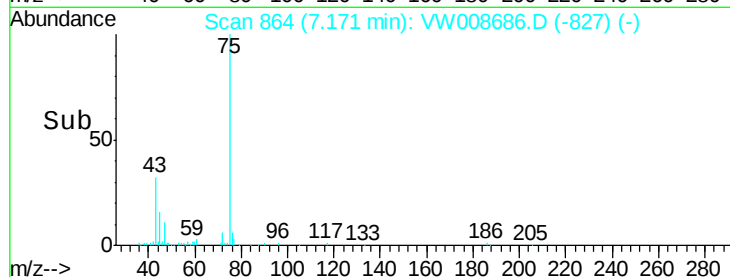
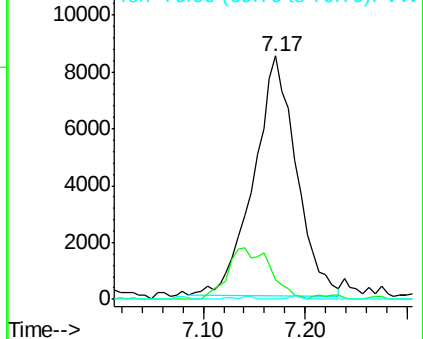
70 0.4 8.1 12.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.317 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008686.D

Acq: 15 Feb 2019 15:58

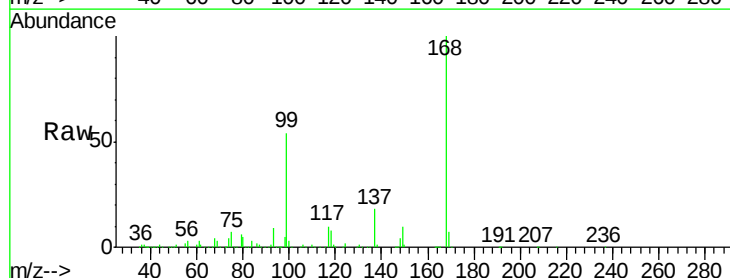
Tgt Ion: 117 Resp: 36435

Ion Ratio Lower Upper

117 100

119 6.3 75.1 112.7#

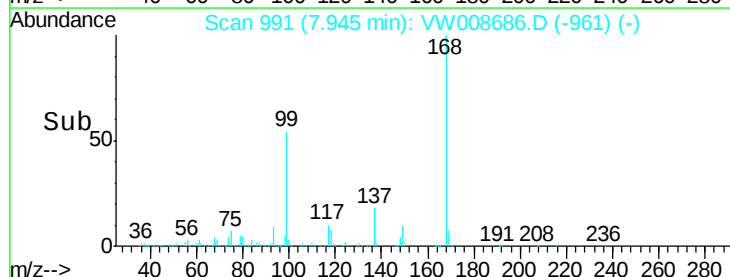
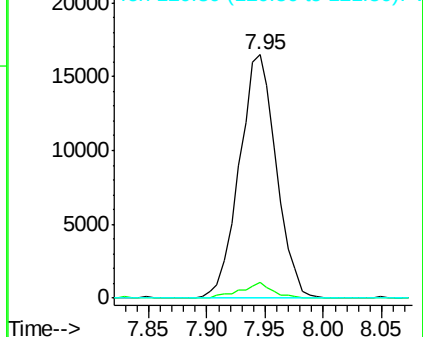
121 0.0 23.5 35.3#

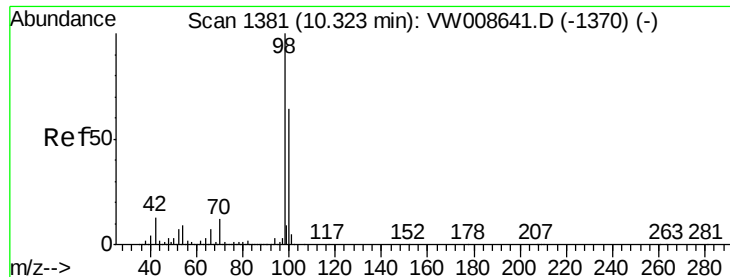


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

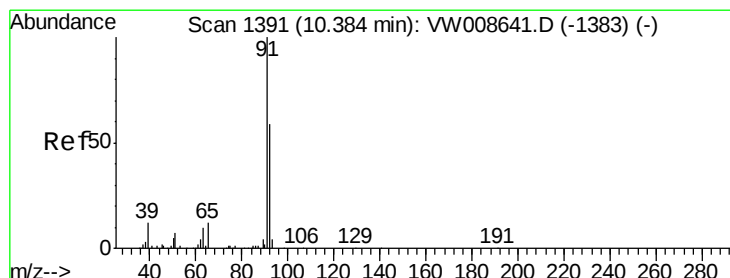
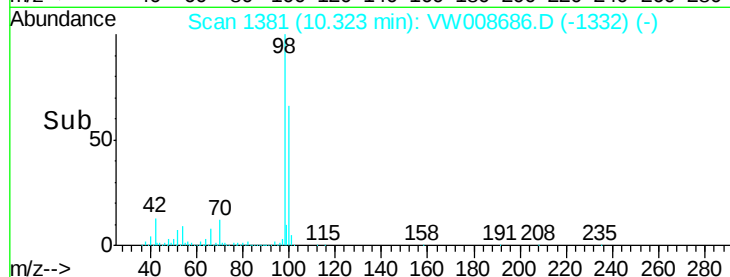
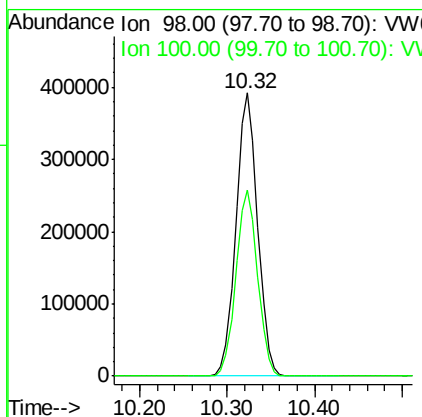
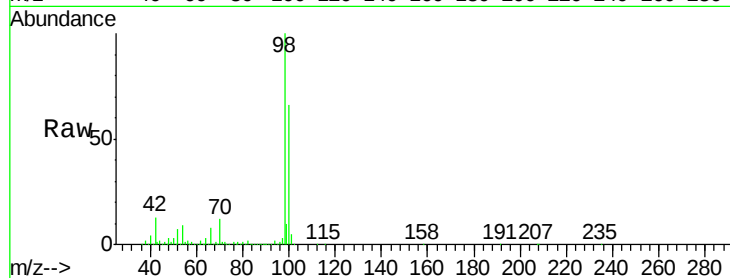




#50
Toluene-d8
Concen: 48.877 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008686.D
Acq: 15 Feb 2019 15:58

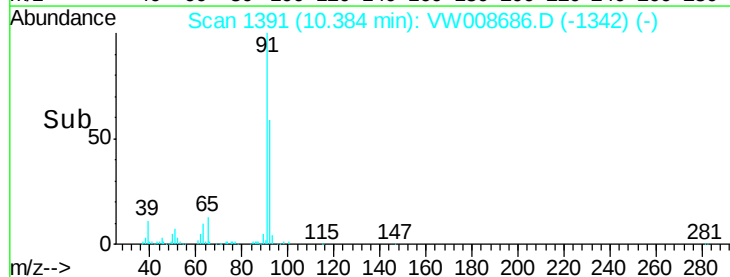
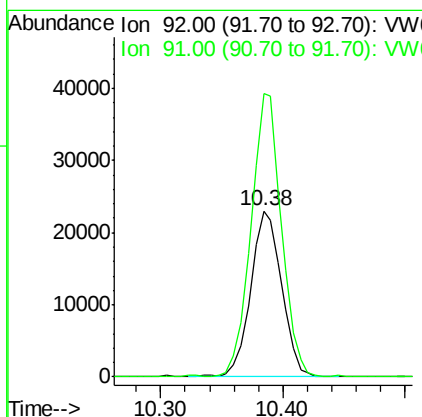
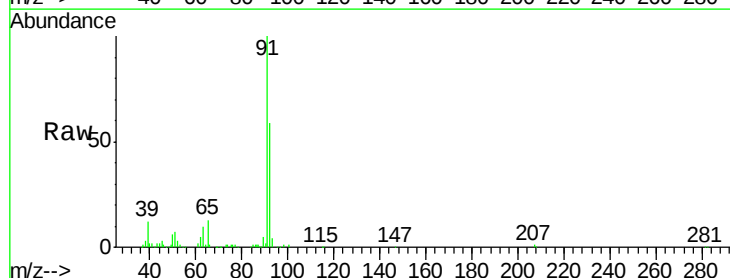
Instrument :
MSVOA_W
ClientSampled :

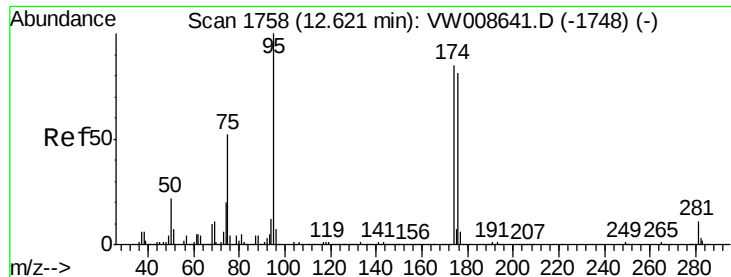
Tot Ion: 98 Resp: 675415
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.4



#52
Toluene
Concen: 3.987 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW008686.D
Acq: 15 Feb 2019 15:58

Tgt Ion: 92 Resp: 40744
Ion Ratio Lower Upper
92 100
91 166.5 135.8 203.6





#62

4-Bromofluorobenzene

Concen: 41.450 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008686.D

Acq: 15 Feb 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

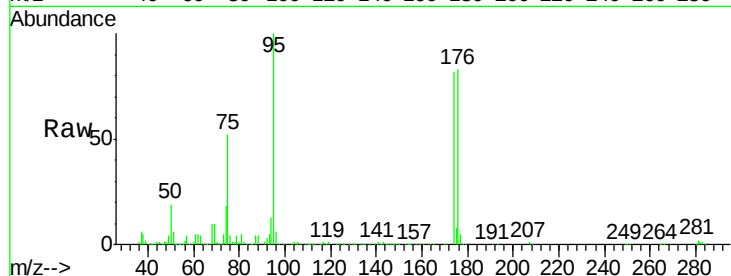
Tot Ion: 95 Resp: 215748

Ion Ratio Lower Upper

95 100

174 84.6 0.0 163.2

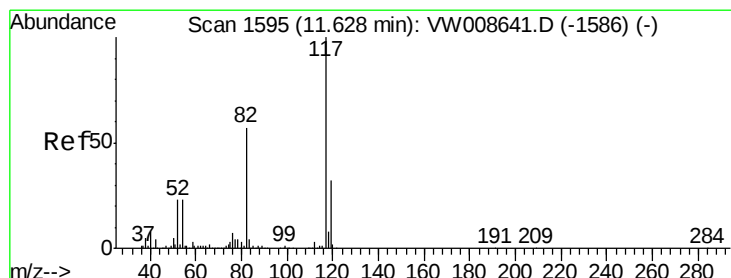
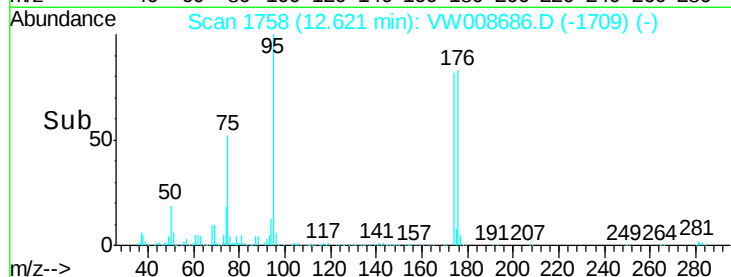
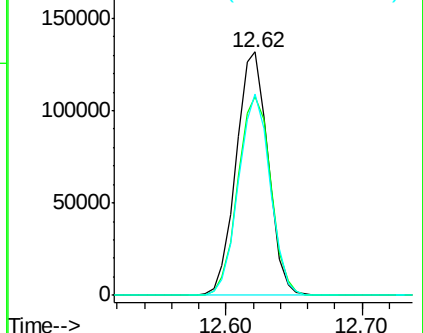
176 81.7 0.0 158.0



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. 0.01 min

Lab File: VW008686.D

Acq: 15 Feb 2019 15:58

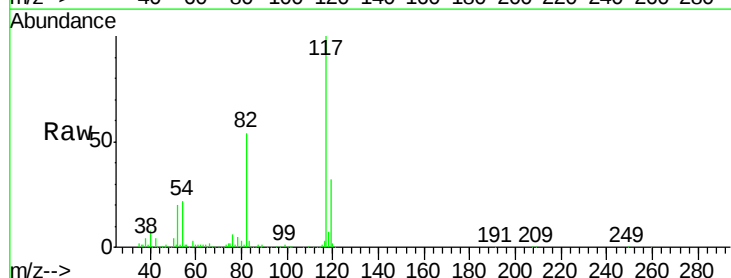
Tgt Ion: 117 Resp: 486584

Ion Ratio Lower Upper

117 100

82 53.9 45.6 68.4

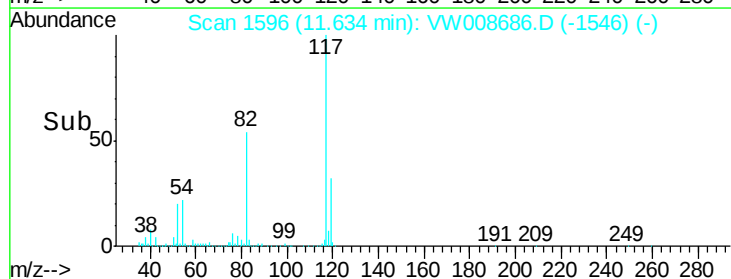
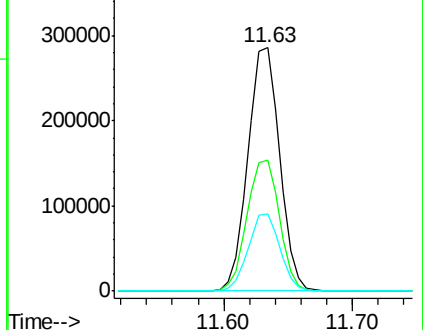
119 31.7 25.7 38.5

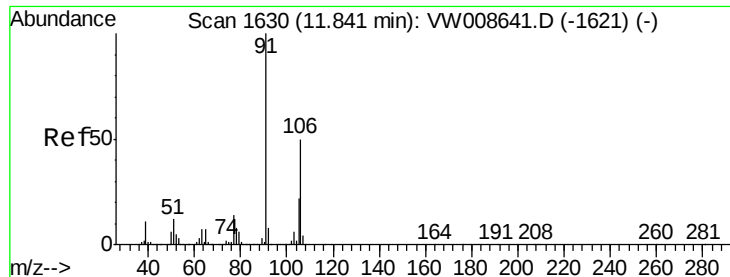


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

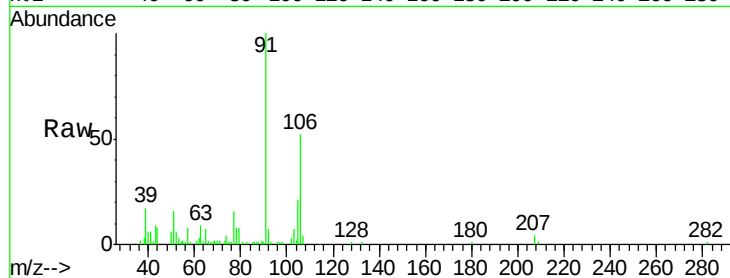




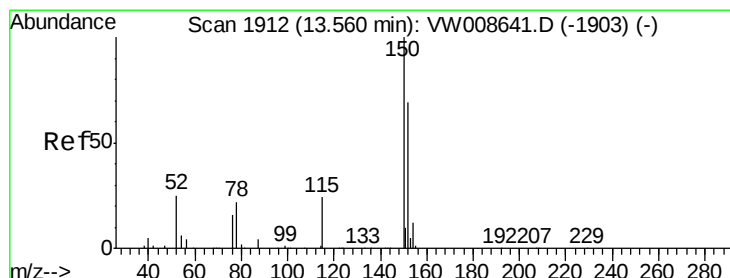
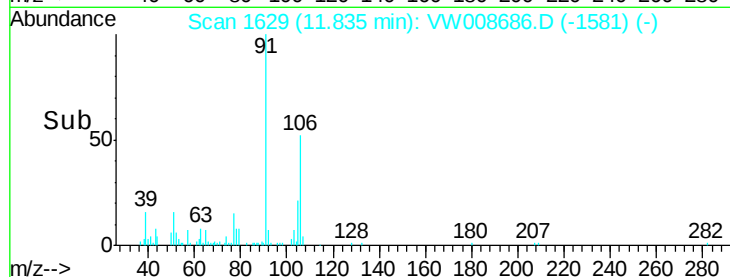
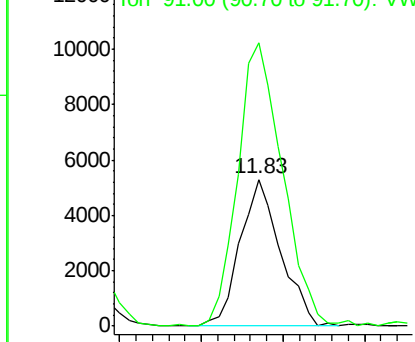
#68
m/p-Xvlenes
Concen: 1.261 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008686.D
Acq: 15 Feb 2019 15:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:106 Resp: 9163
Ion Ratio Lower Upper
106 100
91 213.2 161.0 241.4

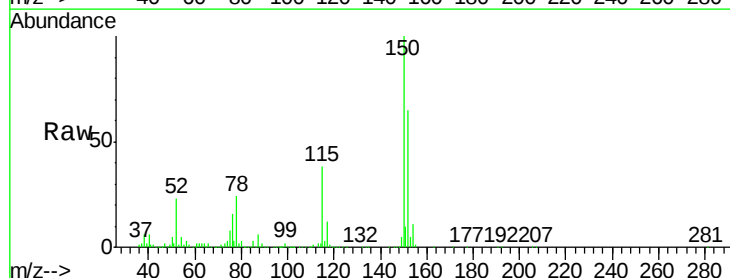


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

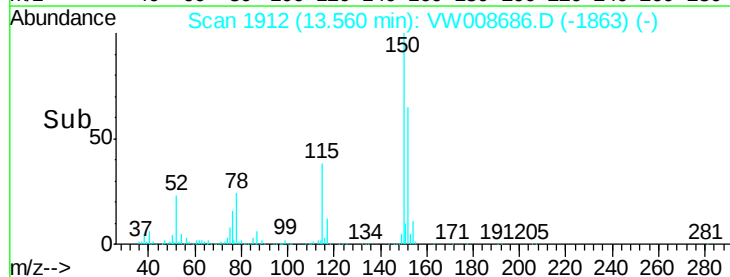
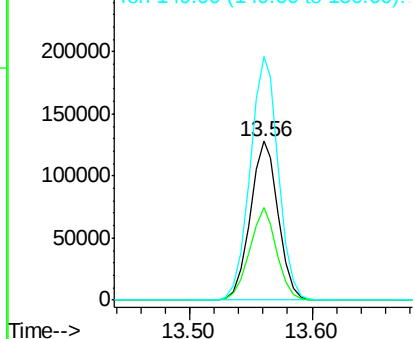


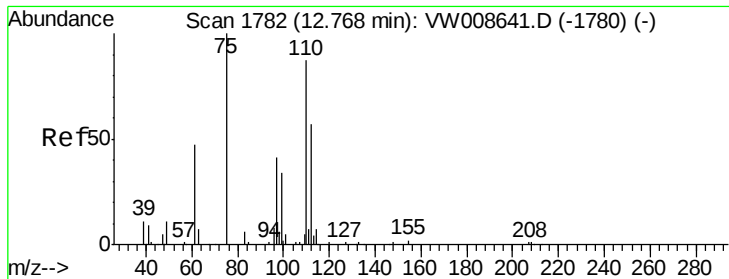
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008686.D
Acq: 15 Feb 2019 15:58

Tgt Ion:152 Resp: 202680
Ion Ratio Lower Upper
152 100
115 56.7 29.3 87.8
150 154.8 0.0 352.8



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: 56.781 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008686.D

Acq: 15 Feb 2019 15:58

Instrument :

MSVOA_W

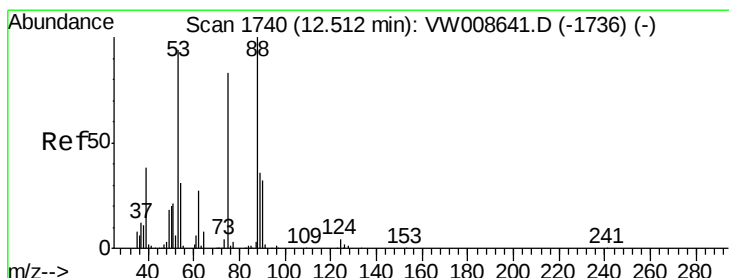
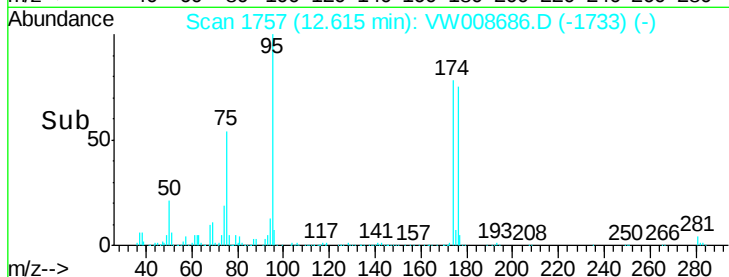
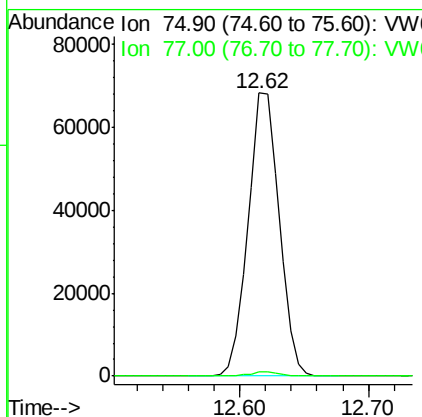
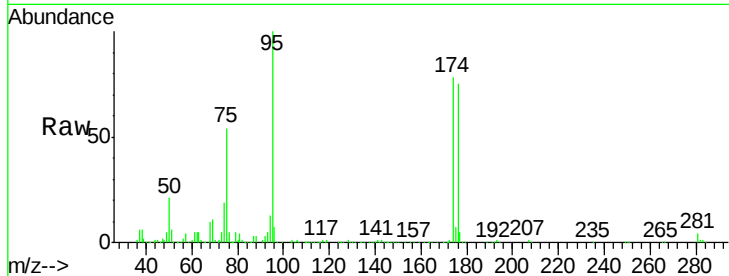
ClientSampleId :

Tot Ion: 75 Resp: 113639

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.401 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008686.D

Acq: 15 Feb 2019 15:58

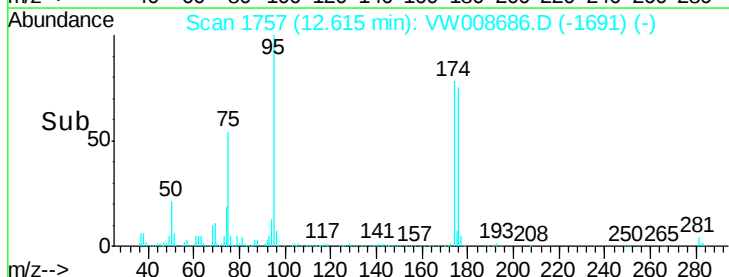
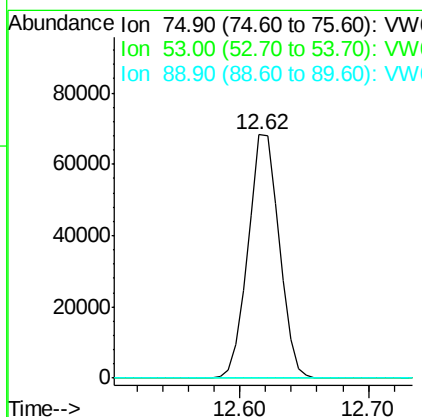
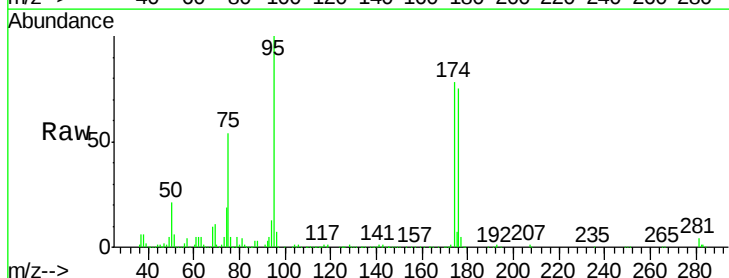
Tgt Ion: 75 Resp: 113639

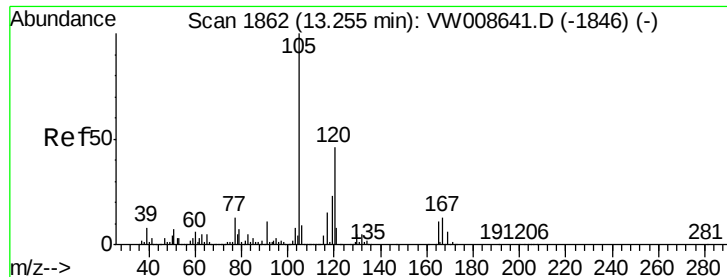
Ion Ratio Lower Upper

75 100

53 0.2 87.4 131.0#

89 0.1 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 1.703 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VW008686.D

Acq: 15 Feb 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:105 Resp: 21947

Ion Ratio Lower Upper

105 100

120 45.8 22.9 68.8

