

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008886.D
 Acq On : 28 Feb 2019 14:42
 Operator : SY/VA
 Sample : K1650-07
 Misc : 5.87G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-3(9-10)

Quant Time: Mar 01 06:00:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	368767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	573553	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	504751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	245822	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	202553	58.56	ug/l	0.00
Spiked Amount			Recovery	=	117.12%	
35) Dibromofluoromethane	7.88	113	164768	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
50) Toluene-d8	10.32	98	678716	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.62	95	236135	45.37	ug/l	0.00
Spiked Amount			Recovery	=	90.74%	

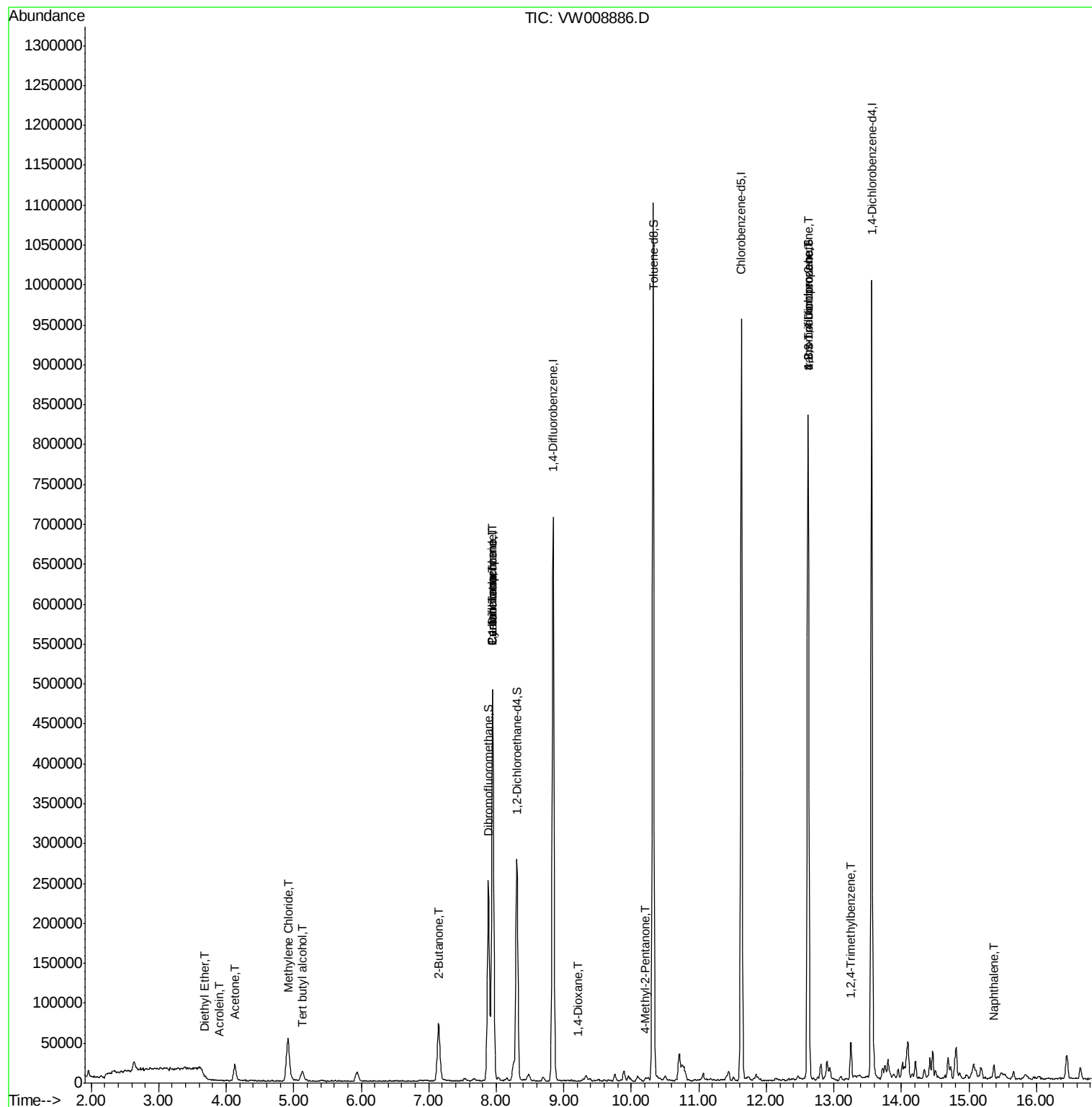
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2328	1.221	ug/l	89
11) Tert butyl alcohol	5.13	59	11310	36.731	ug/l #	74
13) Acrolein	3.89	56	114	20.103	ug/l #	1
16) Acetone	4.12	43	35426	44.189	ug/l	96
20) Methylene Chloride	4.92	84	40308	5.677	ug/l	94
25) 2-Butanone	7.14	43	6618	5.905	ug/l	97
31) Cyclohexane	7.95	56	10256	1.573	ug/l #	42
36) 1,1-Dichloropropene	7.95	75	29620	5.305	ug/l #	51
38) Carbon Tetrachloride	7.95	117	35687	6.061	ug/l #	19
49) 1,4-Dioxane	9.20	88	53	1.580	ug/l #	25
51) 4-Methyl-2-Pentanone	10.21	43	2846	1.082	ug/l #	72
76) 1,2,3-Trichloropropane	12.62	75	129620	63.865	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	129620	155.261	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.25	105	25513	1.683	ug/l	99
95) Naphthalene	15.38	128	13956	1.545	ug/l	98

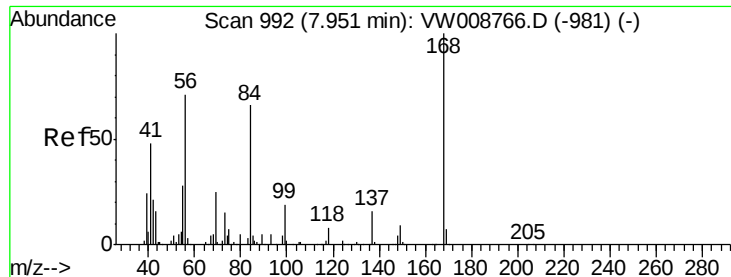
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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B-3(9-10)

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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008886.D

Acq: 28 Feb 2019 14:42

Instrument :

MSVOA_W

ClientSampleId :

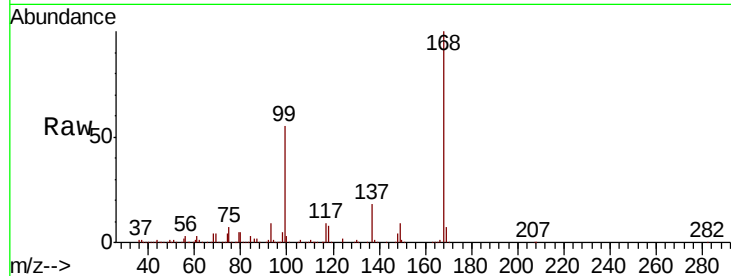
B-3(9-10)

Tot Ion:168 Resp: 368767

Ion Ratio Lower Upper

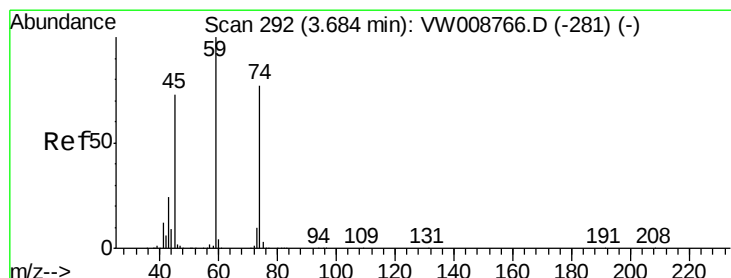
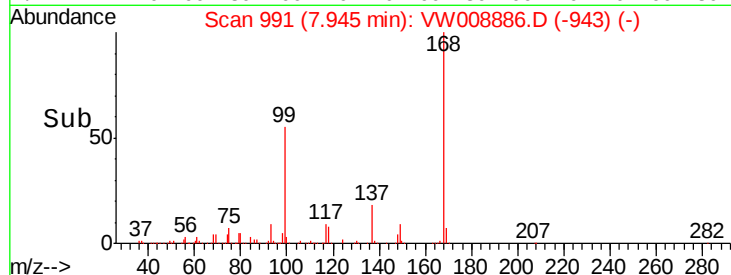
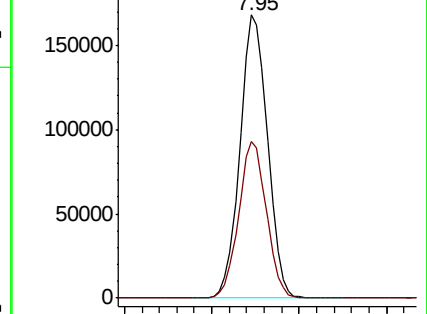
168 100

99 55.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.221 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW008886.D

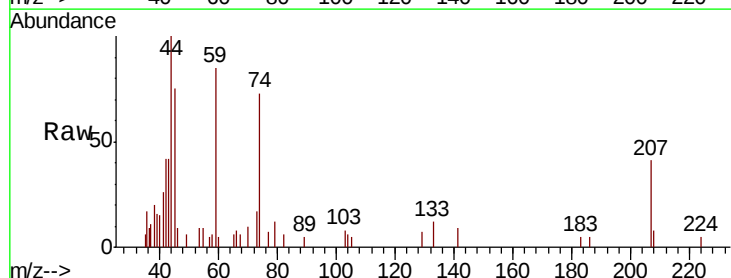
Acq: 28 Feb 2019 14:42

Tgt Ion: 74 Resp: 2328

Ion Ratio Lower Upper

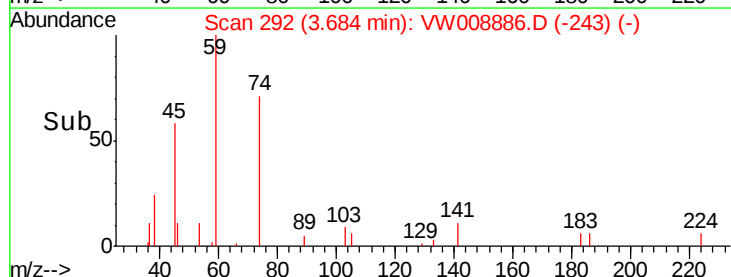
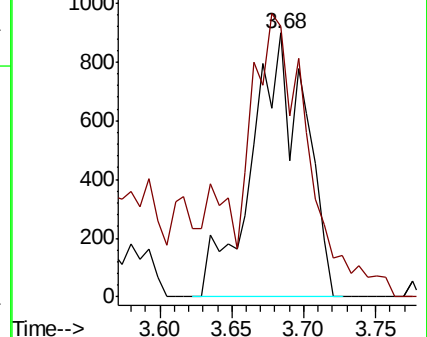
74 100

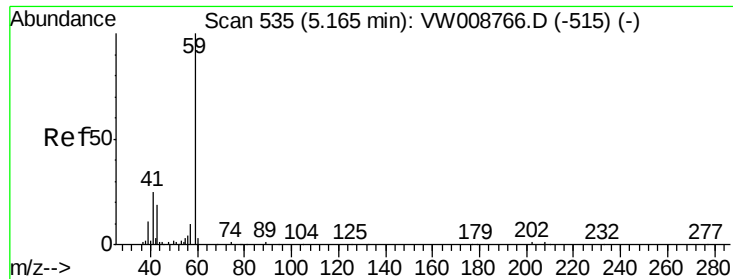
45 111.0 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

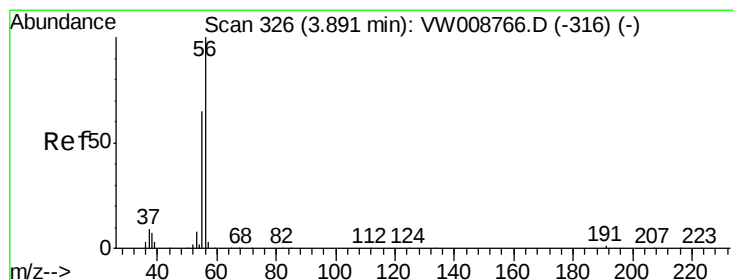
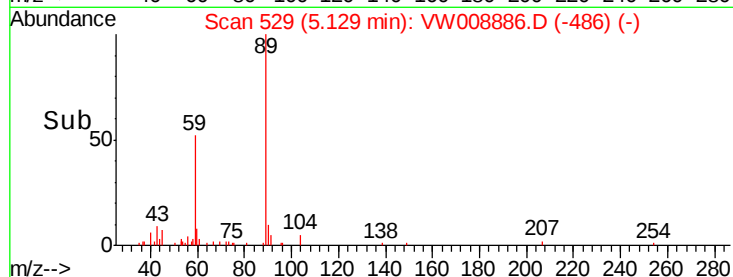
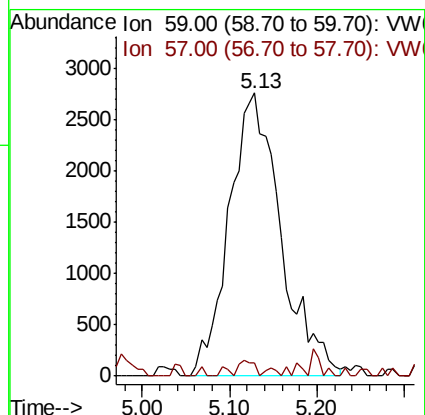
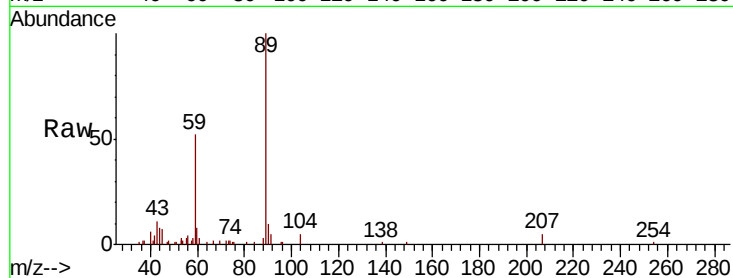




#11
Tert butyl alcohol
Concen: 36.731 ug/l
RT: 5.13 min Scan# 529
Delta R.T. -0.04 min
Lab File: VW008886.D
Acq: 28 Feb 2019 14:42

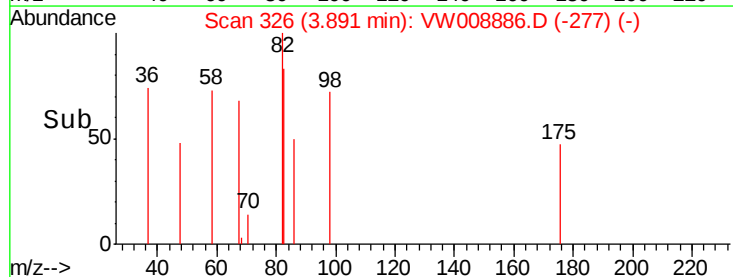
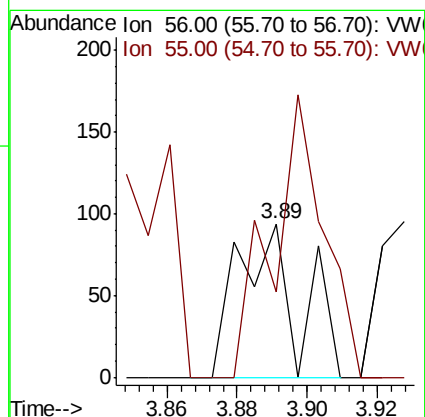
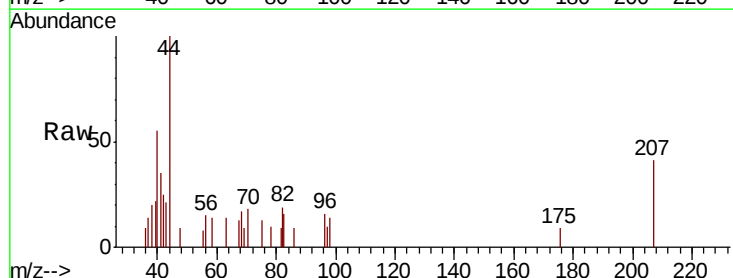
Instrument :
MSVOA_W
ClientSampled :
B-3(9-10)

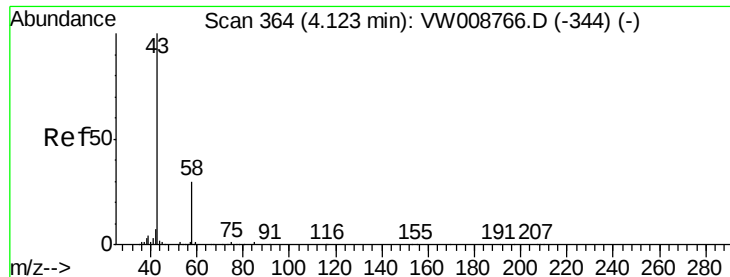
Tot Ion: 59 Resp: 11310
Ion Ratio Lower Upper
59 100
57 1.7 9.3 13.9#



#13
Acrolein
Concen: 20.103 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW008886.D
Acq: 28 Feb 2019 14:42

Tgt Ion: 56 Resp: 114
Ion Ratio Lower Upper
56 100
55 154.4 56.9 85.3#





#16

Acetone

Concen: 44.189 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW008886.D

Acq: 28 Feb 2019 14:42

Instrument :

MSVOA_W

ClientSampled :

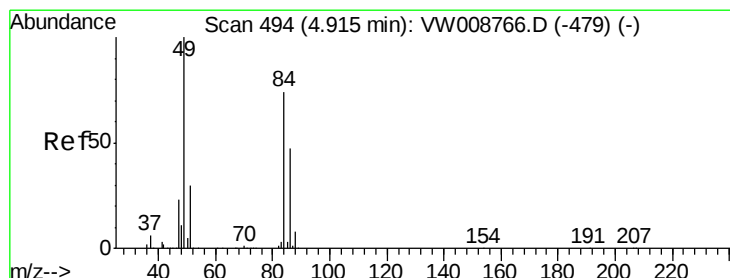
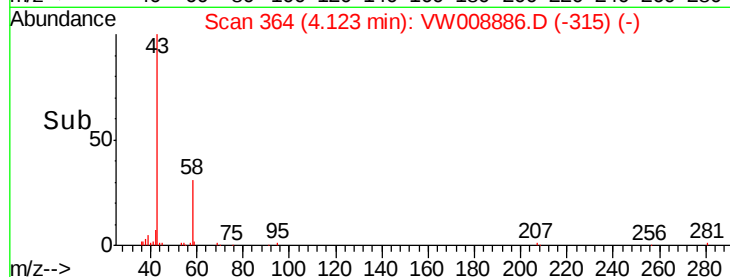
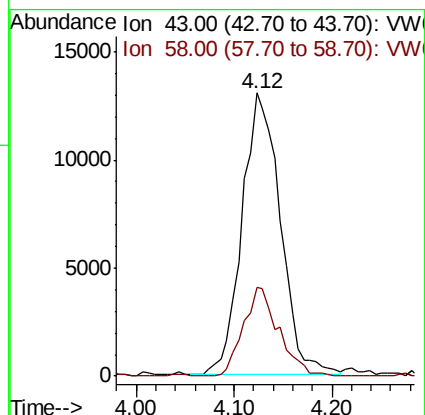
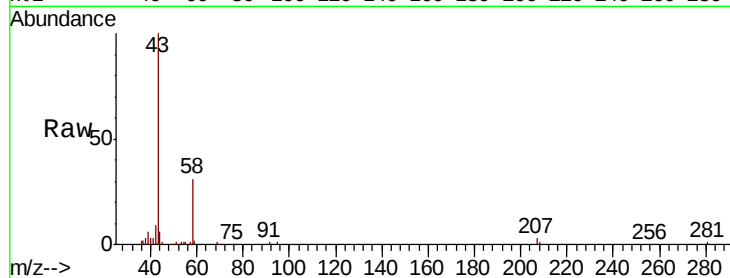
B-3(9-10)

Tot Ion: 43 Resp: 35426

Ion Ratio Lower Upper

43 100

58 31.6 23.8 35.6



#20

Methylene Chloride

Concen: 5.677 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008886.D

Acq: 28 Feb 2019 14:42

Tgt Ion: 84 Resp: 40308

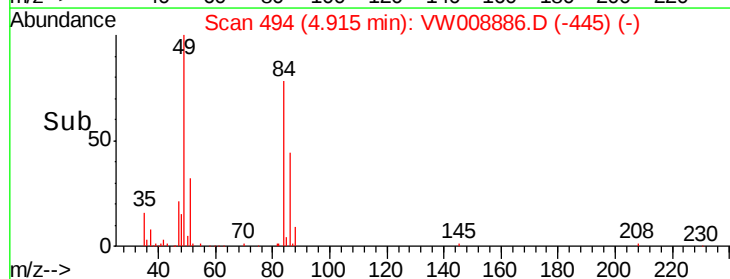
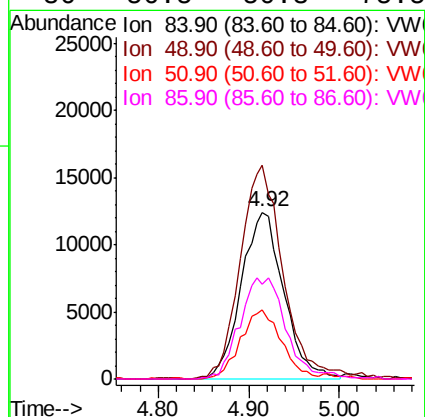
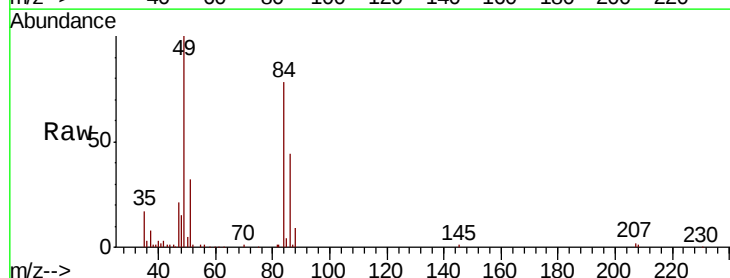
Ion Ratio Lower Upper

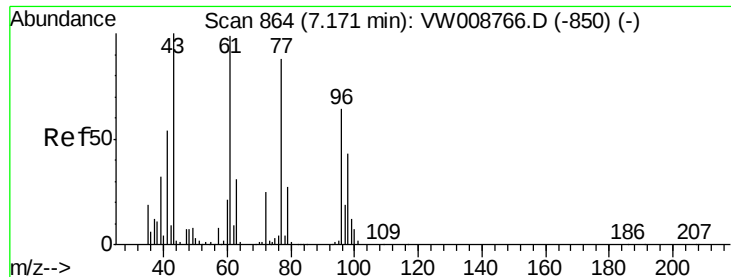
84 100

49 128.0 108.2 162.2

51 41.5 32.7 49.1

86 56.5 50.3 75.5





#25

2-Butanone

Concen: 5.905 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW008886.D

Acq: 28 Feb 2019 14:42

Instrument :

MSVOA_W

ClientSampleId :

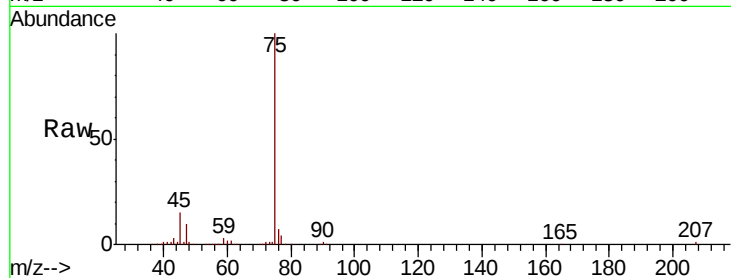
B-3(9-10)

Tot Ion: 43 Resp: 6618

Ion Ratio Lower Upper

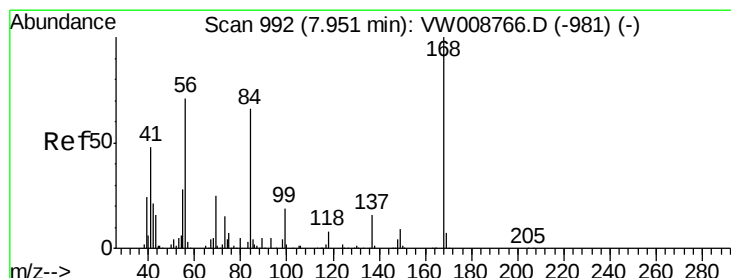
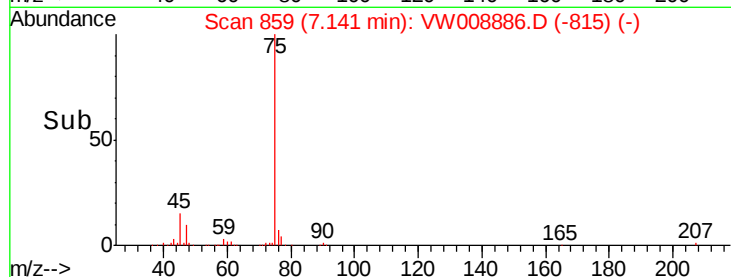
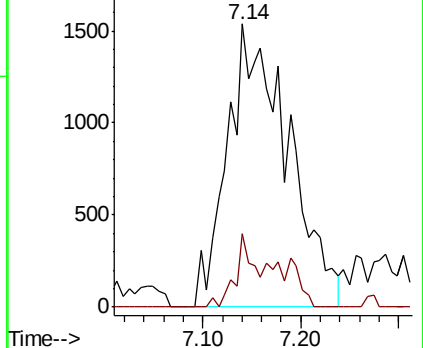
43 100

72 26.1 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.573 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008886.D

Acq: 28 Feb 2019 14:42

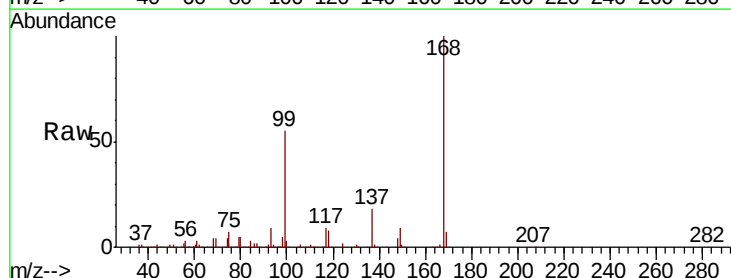
Tgt Ion: 56 Resp: 10256

Ion Ratio Lower Upper

56 100

69 145.0 28.2 42.4#

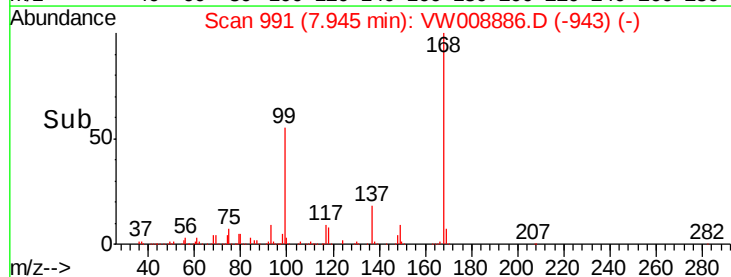
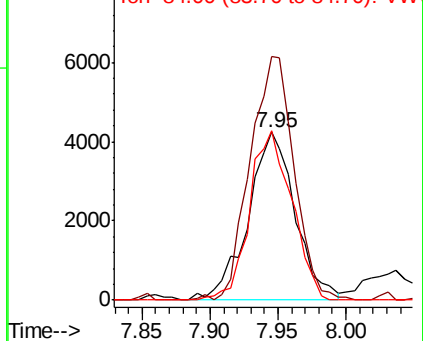
84 101.2 74.1 111.1

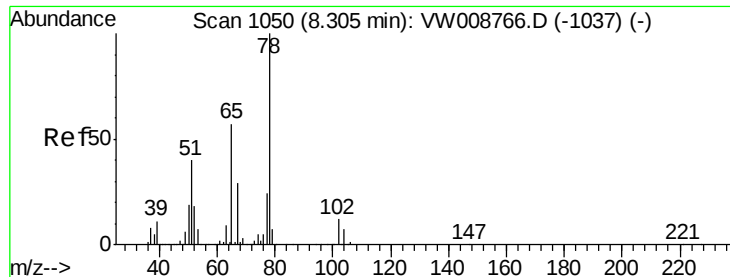


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

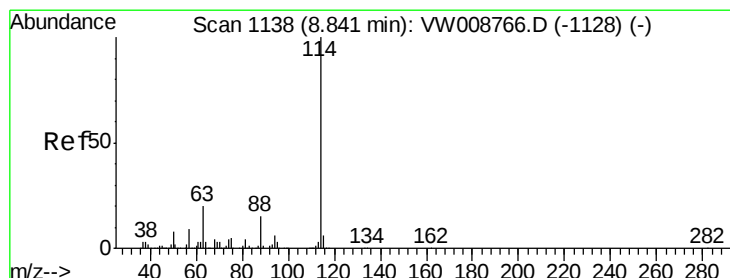
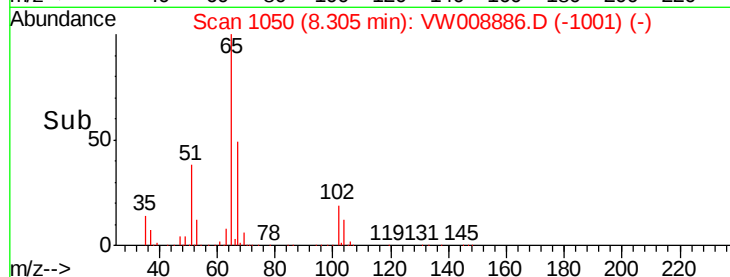
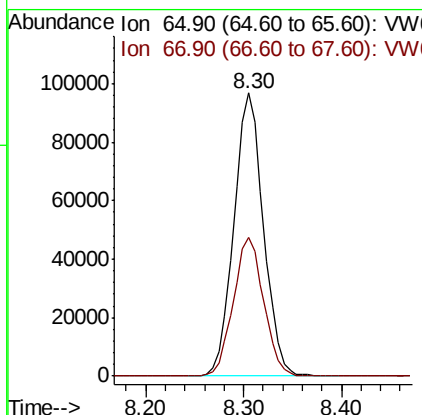
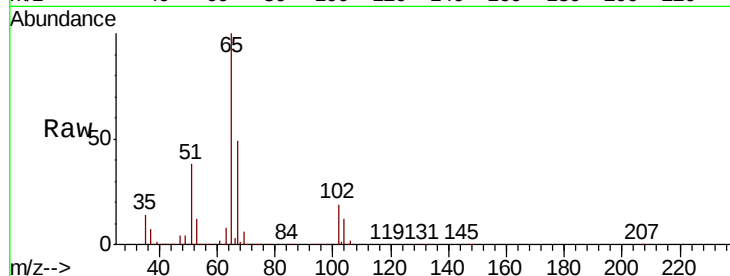




#33
 1,2-Dichloroethane-d4
 Concen: 58.563 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008886.D
 Acq: 28 Feb 2019 14:42

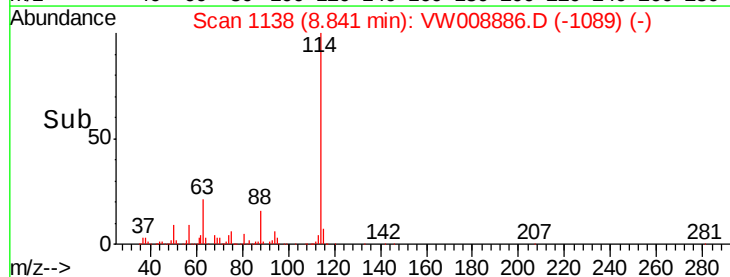
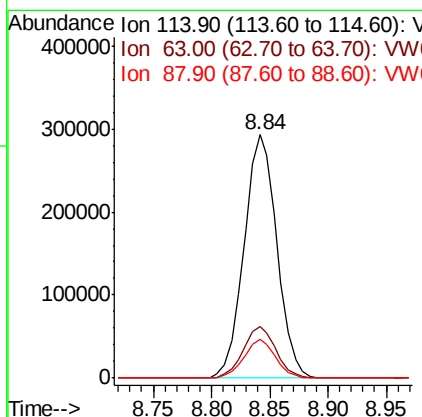
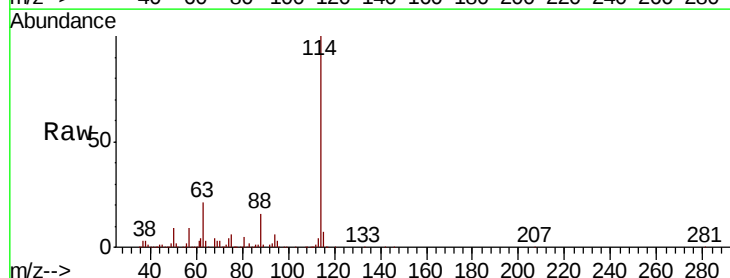
Instrument :
 MSVOA_W
 ClientSampled :
 B-3(9-10)

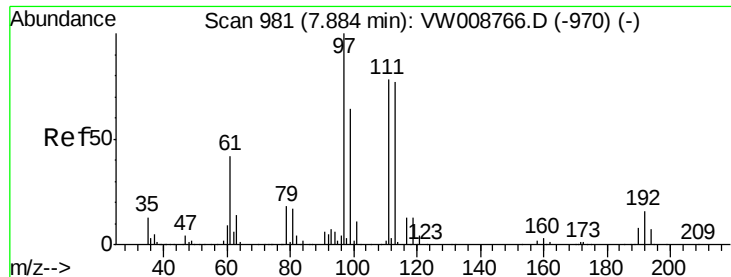
Tot Ion: 65 Resp: 202553
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008886.D
 Acq: 28 Feb 2019 14:42

Tgt Ion: 114 Resp: 573553
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 40.8
 88 15.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 47.847 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008886.D

Acq: 28 Feb 2019 14:42

Instrument :

MSVOA_W

ClientSampleId :

B-3(9-10)

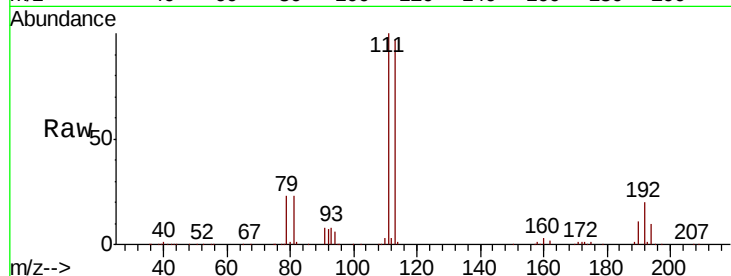
Tot Ion:113 Resp: 164768

Ion Ratio Lower Upper

113 100

111 103.5 81.9 122.9

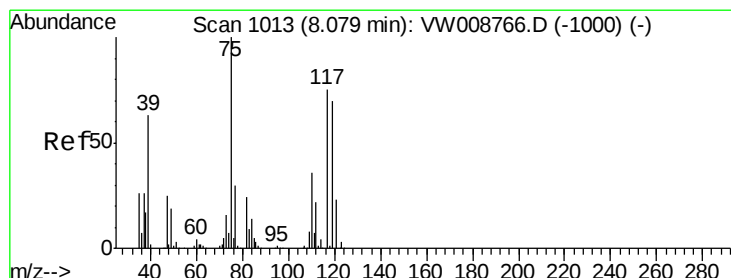
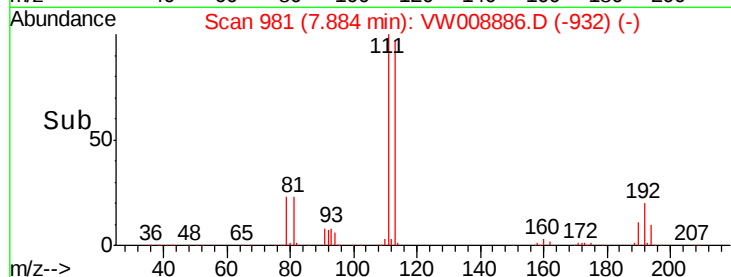
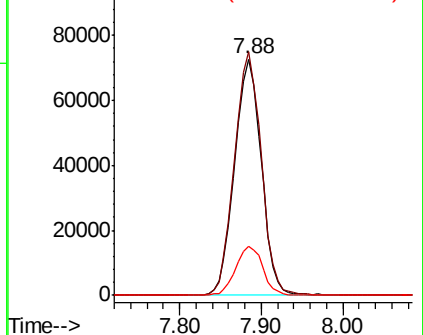
192 21.1 17.1 25.7



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: 5.305 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW008886.D

Acq: 28 Feb 2019 14:42

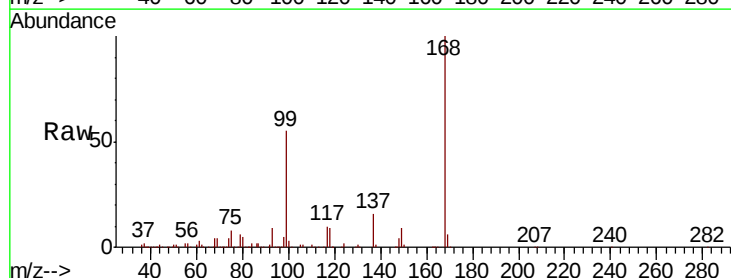
Tgt Ion: 75 Resp: 29620

Ion Ratio Lower Upper

75 100

110 10.2 17.5 52.6#

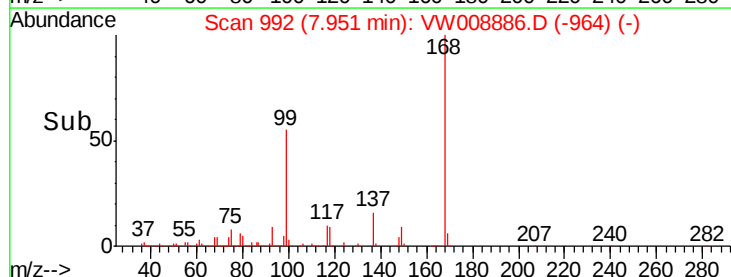
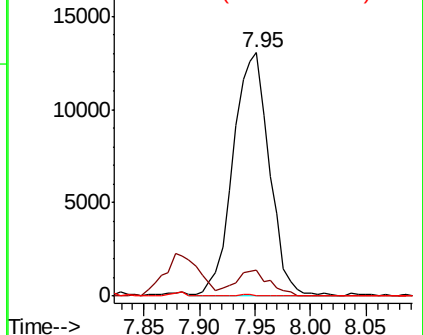
77 0.2 24.5 36.7#

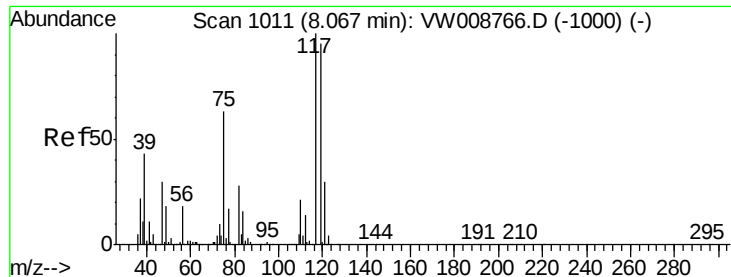


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

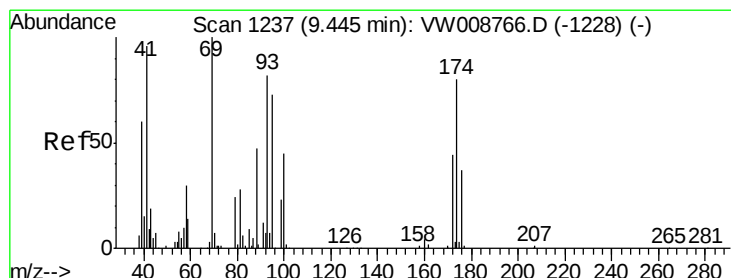
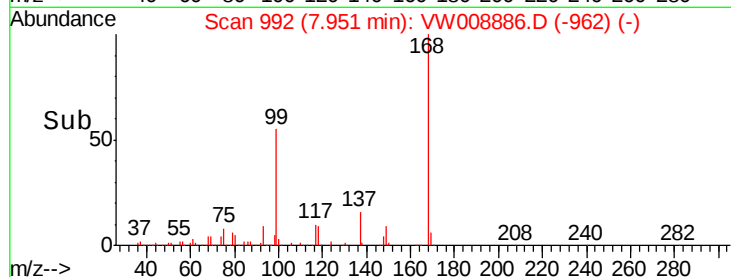
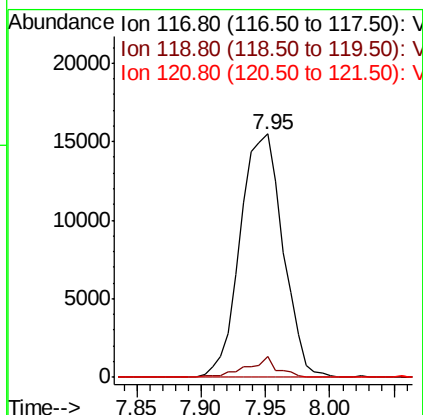
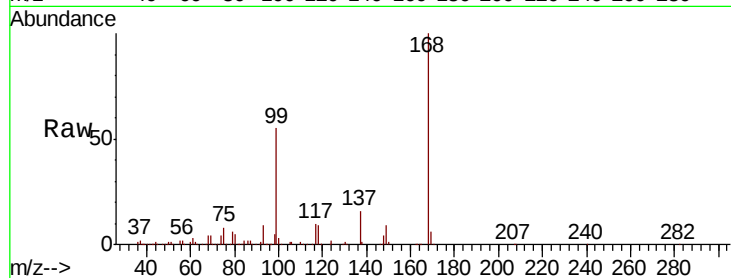




#38
Carbon Tetrachloride
Concen: 6.061 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008886.D
Acq: 28 Feb 2019 14:42

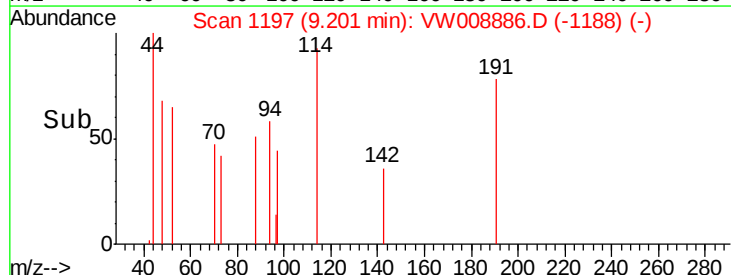
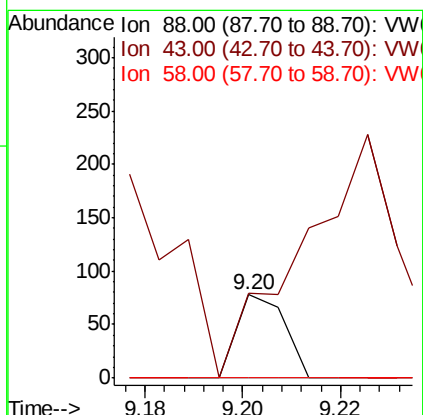
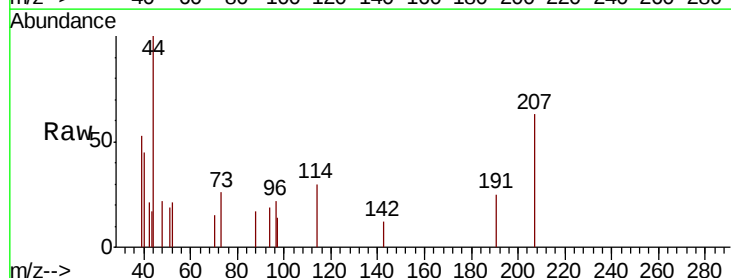
Instrument :
MSVOA_W
ClientSampled :
B-3(9-10)

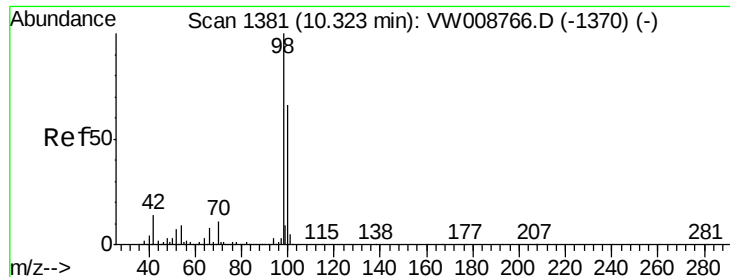
Tot Ion	Ratio	Lower	Upper
117	100		
119	8.6	76.1	114.1#
121	0.0	24.0	36.0#



#49
1,4-Dioxane
Concen: 1.580 ug/l
RT: 9.20 min Scan# 1197
Delta R.T. -0.24 min
Lab File: VW008886.D
Acq: 28 Feb 2019 14:42

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	0.0	52.0	78.0#





#50

Toluene-d8

Concen: 51.056 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008886.D

Acq: 28 Feb 2019 14:42

Instrument :

MSVOA_W

ClientSampleId :

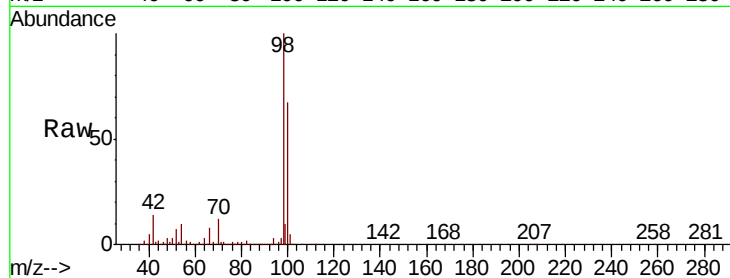
B-3(9-10)

Tot Ion: 98 Resp: 678716

Ion Ratio Lower Upper

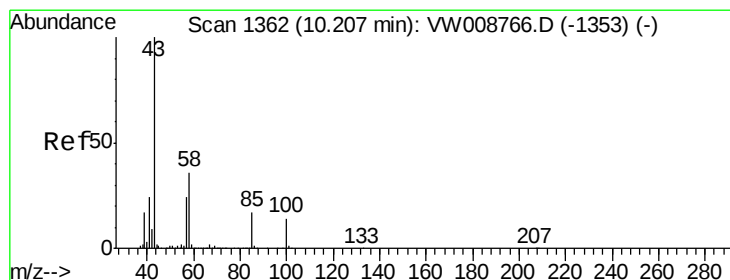
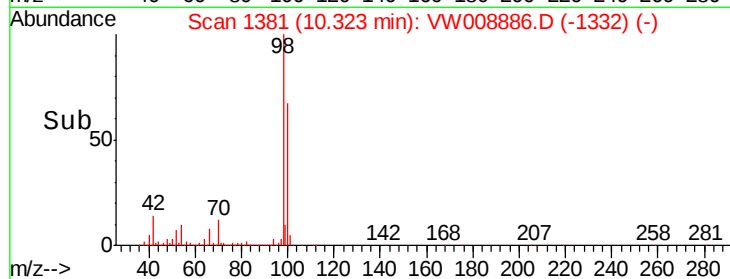
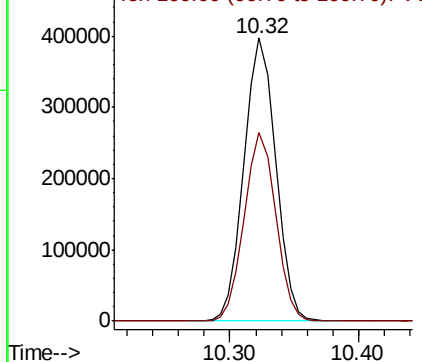
98 100

100 66.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.082 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008886.D

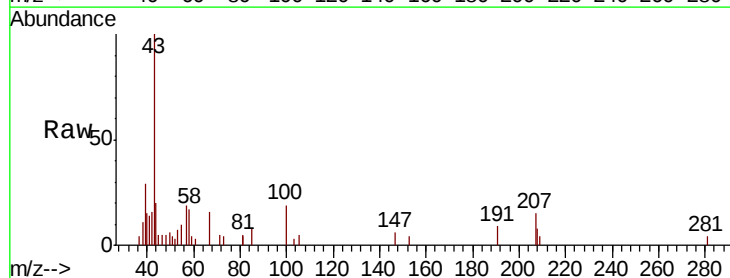
Acq: 28 Feb 2019 14:42

Tgt Ion: 43 Resp: 2846

Ion Ratio Lower Upper

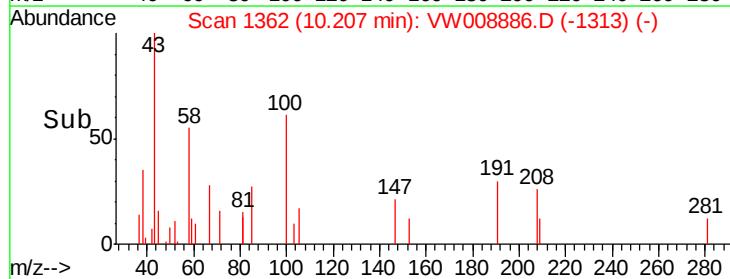
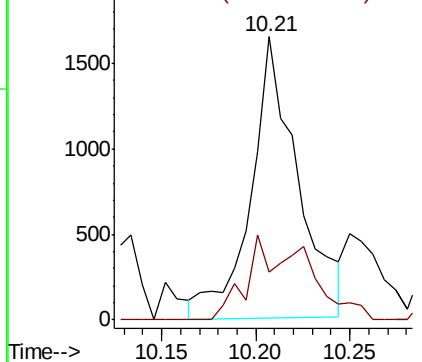
43 100

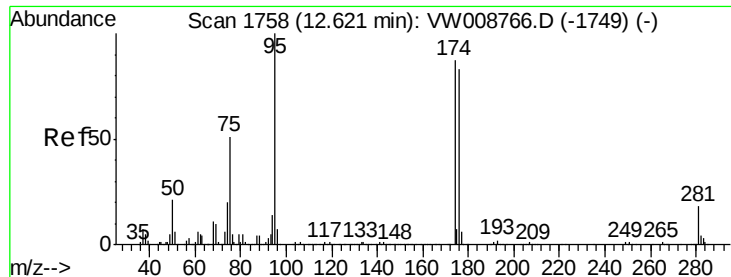
58 19.6 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 45.367 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008886.D

Acq: 28 Feb 2019 14:42

Instrument :

MSVOA_W

ClientSampleId :

B-3(9-10)

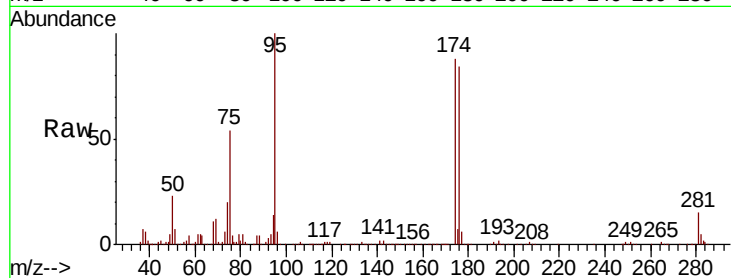
Tot Ion: 95 Resp: 236135

Ion Ratio Lower Upper

95 100

174 85.9 0.0 169.2

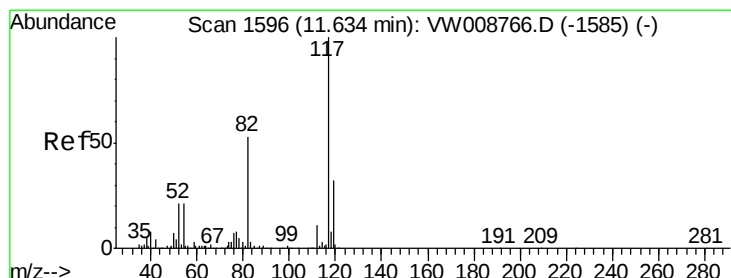
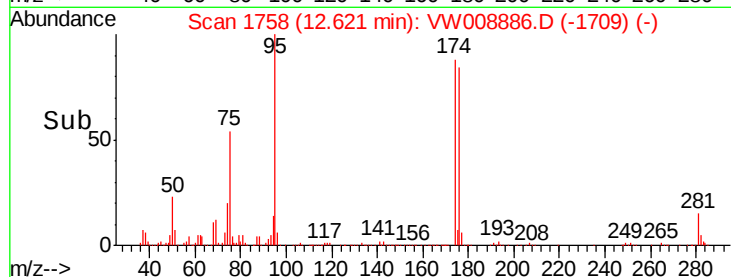
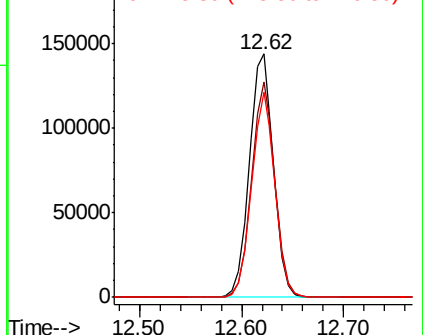
176 81.6 0.0 163.6



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: VW008886.D

Acq: 28 Feb 2019 14:42

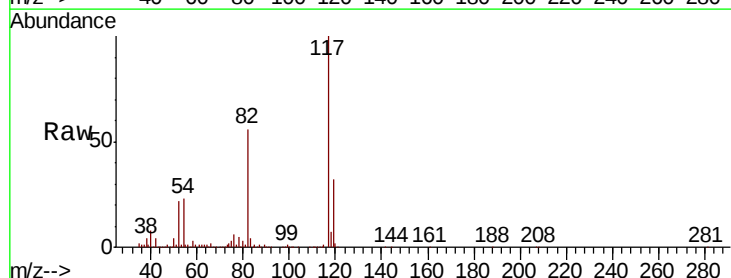
Tgt Ion: 117 Resp: 504751

Ion Ratio Lower Upper

117 100

82 56.0 42.2 63.4

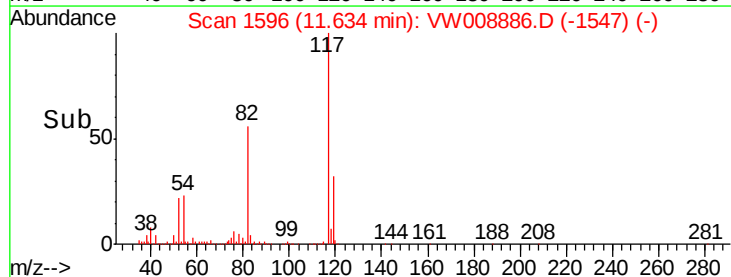
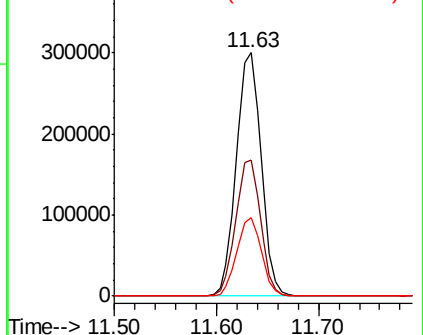
119 32.5 25.9 38.9

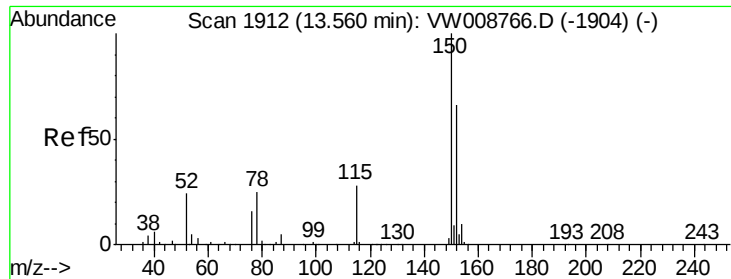


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008886.D

Acq: 28 Feb 2019 14:42

Instrument :

MSVOA_W

ClientSampleId :

B-3(9-10)

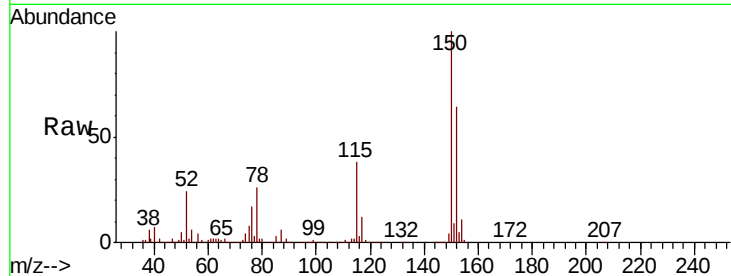
Tot Ion:152 Resp: 245822

Ion Ratio Lower Upper

152 100

115 57.8 28.6 85.8

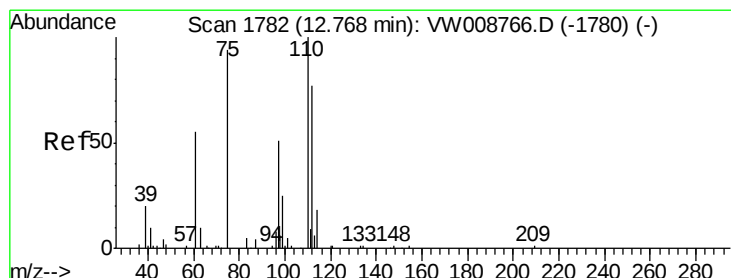
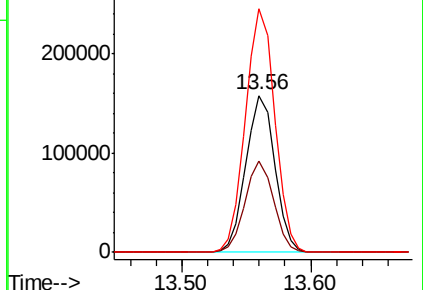
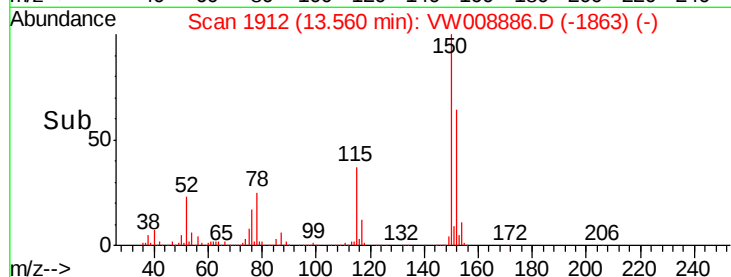
150 156.8 0.0 348.0



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: 63.865 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008886.D

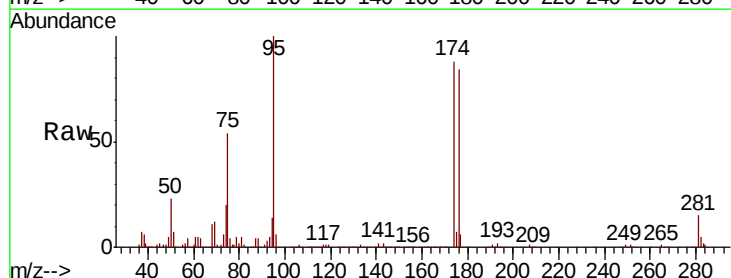
Acq: 28 Feb 2019 14:42

Tgt Ion: 75 Resp: 129620

Ion Ratio Lower Upper

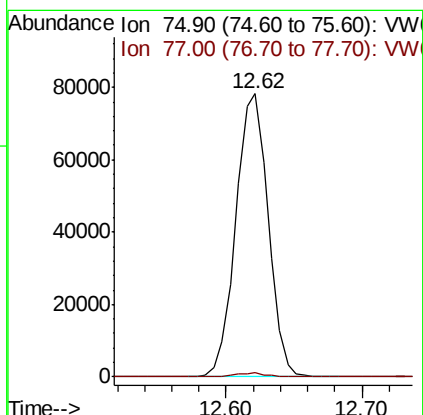
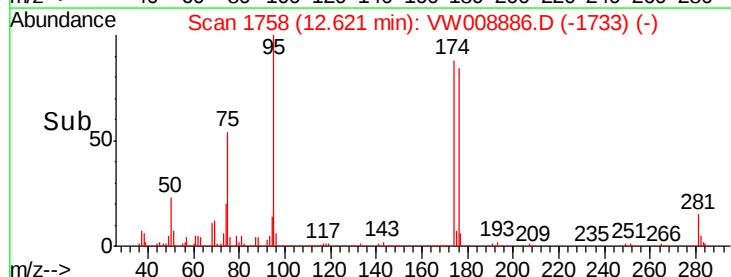
75 100

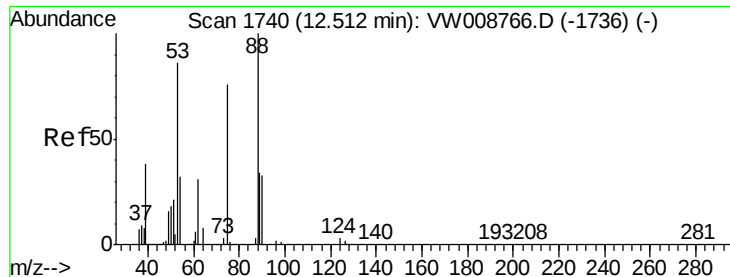
77 1.3 0.0 0.0#



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: 155.261 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008886.D

Acq: 28 Feb 2019 14:42

Instrument :

MSVOA_W

ClientSampleId :

B-3(9-10)

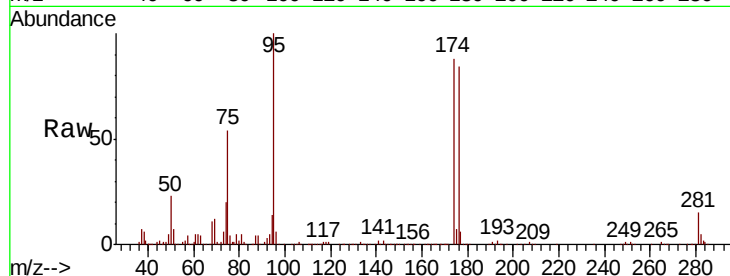
Tot Ion: 75 Resp: 129620

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

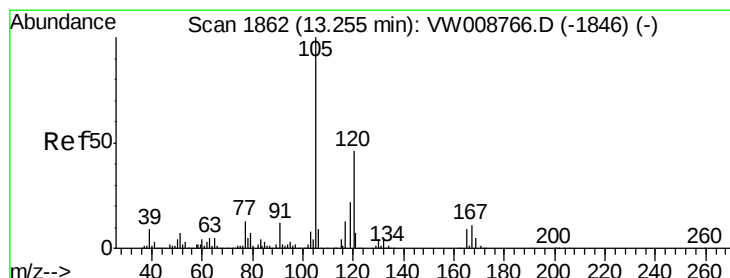
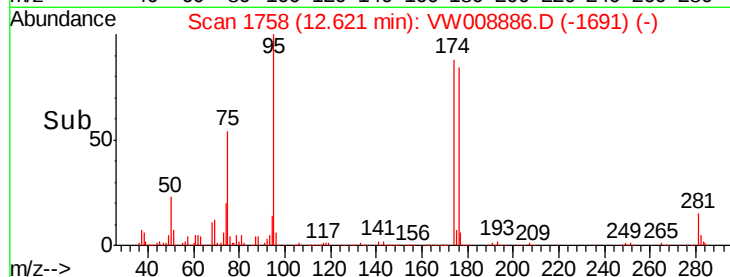
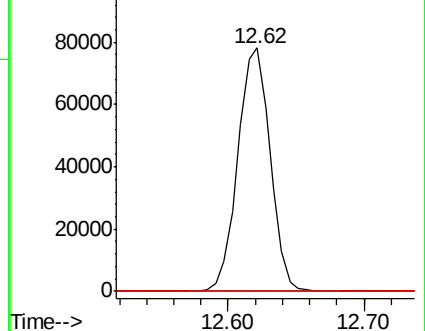
89 0.4 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#84

1,2,4-Trimethylbenzene

Concen: 1.683 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VW008886.D

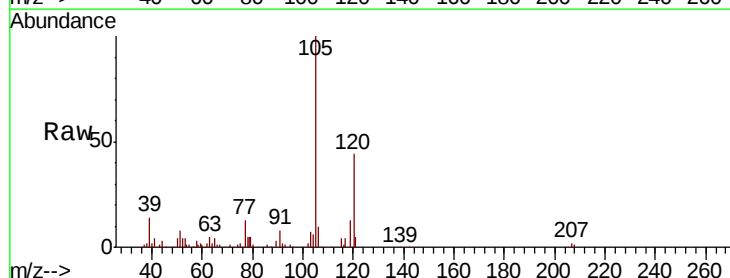
Acq: 28 Feb 2019 14:42

Tgt Ion: 105 Resp: 25513

Ion Ratio Lower Upper

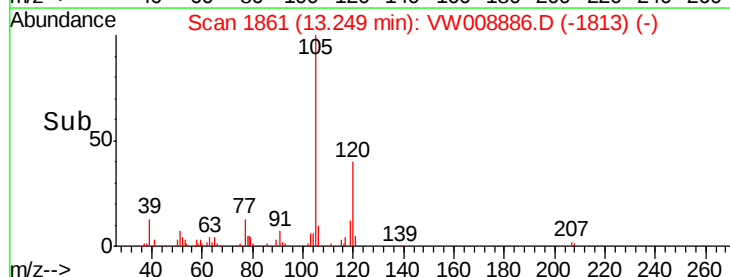
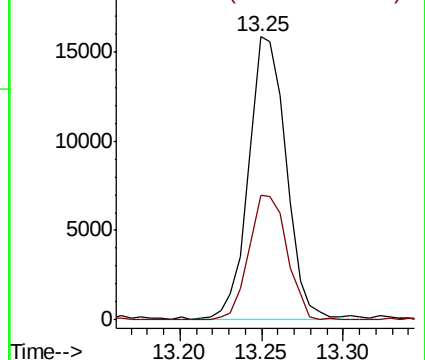
105 100

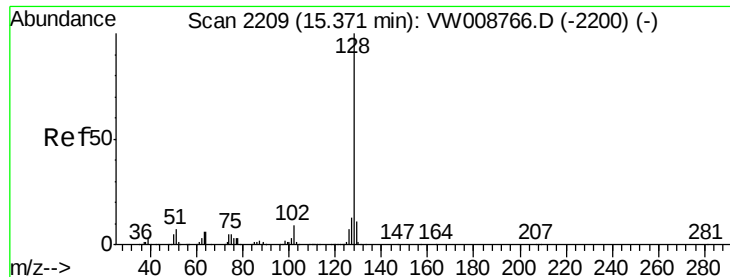
120 44.7 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 1.545 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW008886.D

Acq: 28 Feb 2019 14:42

Instrument :

MSVOA_W

ClientSampleId :

B-3(9-10)

Tot Ion:128 Resp: 13956

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

129 9.2 8.7 13.1

