

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
 Data File : VW008833.D
 Acq On : 26 Feb 2019 16:24
 Operator : SY/VA
 Sample : K1348-07
 Misc : 6.98G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-022519

Quant Time: Feb 27 05:59:08 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	350914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	543899	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	469448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	195018	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	195198	59.31	ug/l	0.00
Spiked Amount			Recovery	=	118.62%	
35) Dibromofluoromethane	7.88	113	166143	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
50) Toluene-d8	10.32	98	637201	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.62	95	207480	42.03	ug/l	0.00
Spiked Amount			Recovery	=	84.06%	

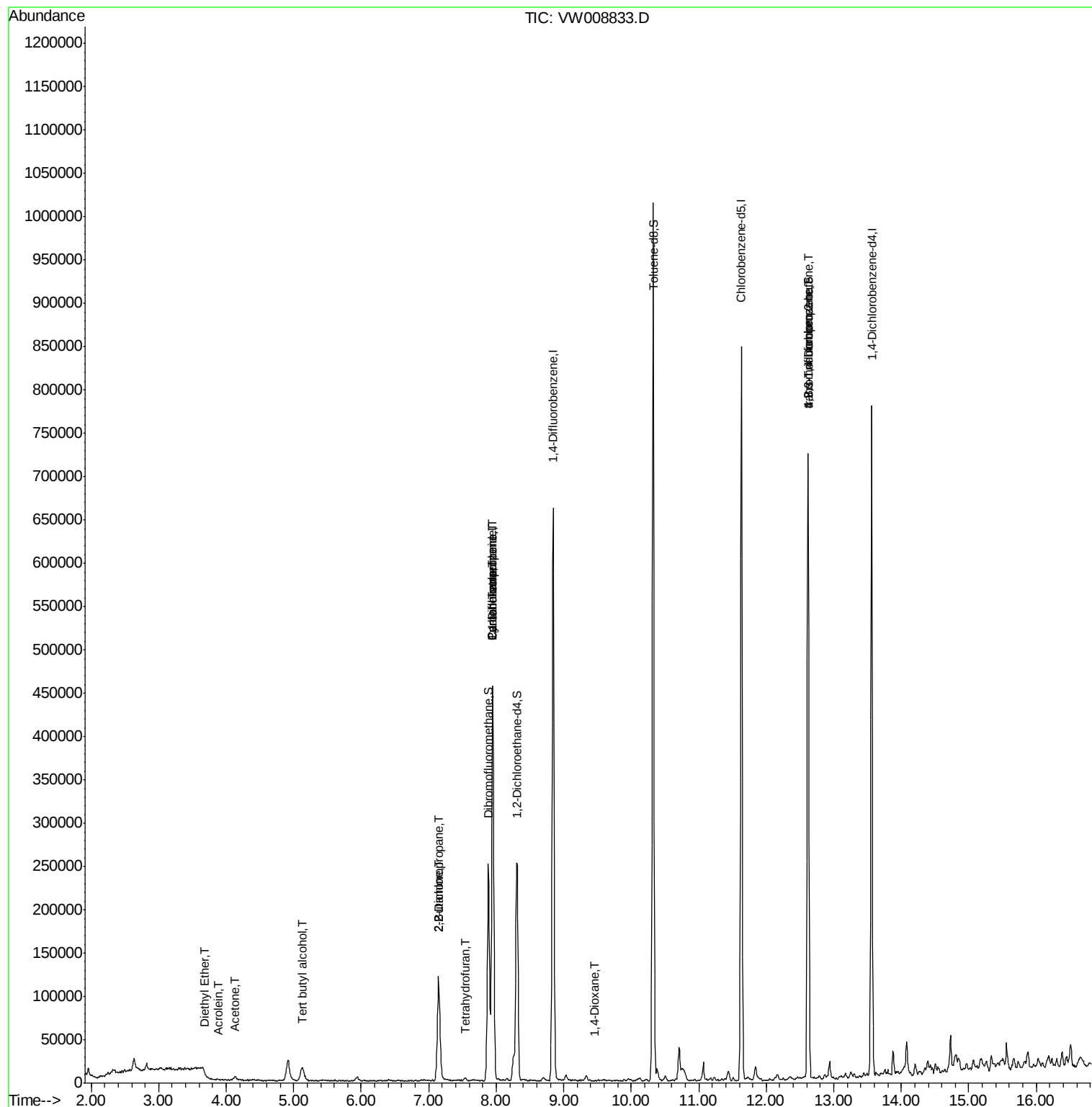
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2254	1.243	ug/l	100
11) Tert butyl alcohol	5.12	59	14951	51.026	ug/l #	70
13) Acrolein	3.88	56	68	19.982	ug/l #	1
16) Acetone	4.13	43	7602	9.965	ug/l	96
20) Methylene Chloride	4.91	84	18111	Below Cal		91
25) 2-Butanone	7.14	43	7117	6.673	ug/l #	82
26) 2,2-Dichloropropane	7.14	77	8686	1.561	ug/l #	54
29) Tetrahydrofuran	7.54	42	1841	2.709	ug/l #	76
31) Cyclohexane	7.95	56	9338	1.505	ug/l #	47
36) 1,1-Dichloropropene	7.95	75	26412	4.989	ug/l #	50
38) Carbon Tetrachloride	7.95	117	33579	6.014	ug/l #	17
49) 1,4-Dioxane	9.46	88	34	1.069	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	107729	66.907	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	107729	162.656	ug/l #	6

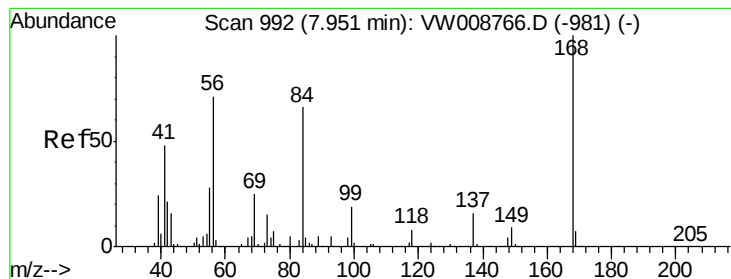
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008833.D

Acq: 26 Feb 2019 16:24

Instrument :

MSVOA_W

ClientSampleId :

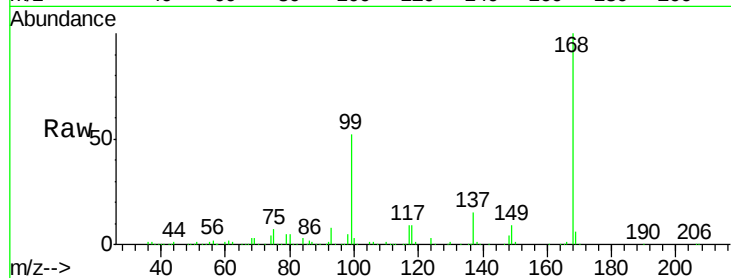
OK-02-022519

Tot Ion:168 Resp: 350914

Ion Ratio Lower Upper

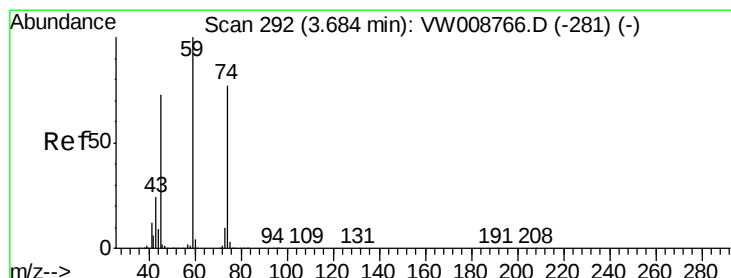
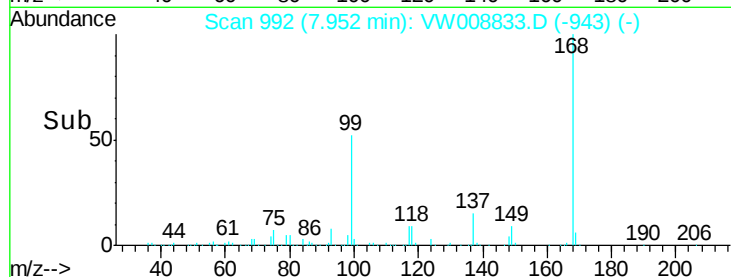
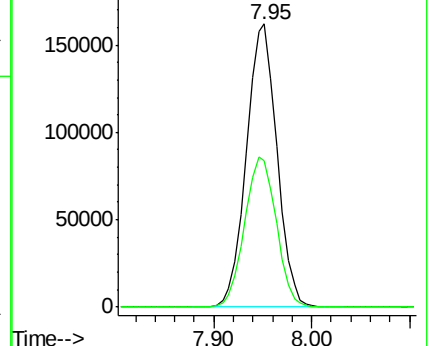
168 100

99 51.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.243 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW008833.D

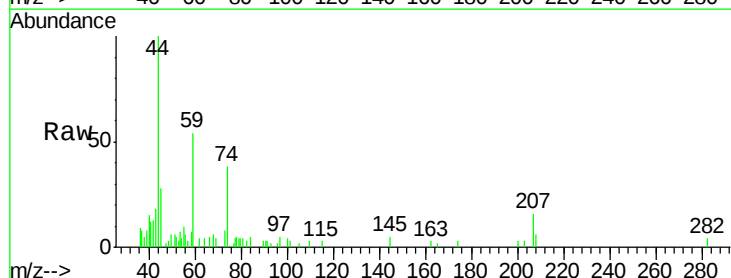
Acq: 26 Feb 2019 16:24

Tgt Ion: 74 Resp: 2254

Ion Ratio Lower Upper

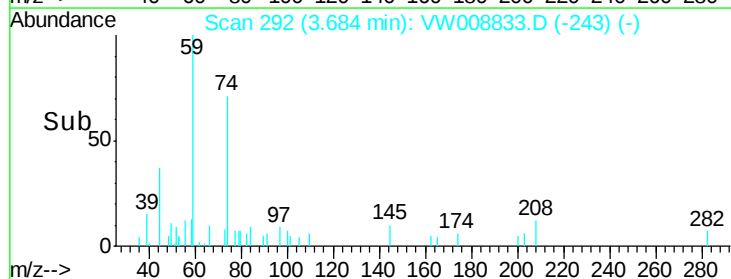
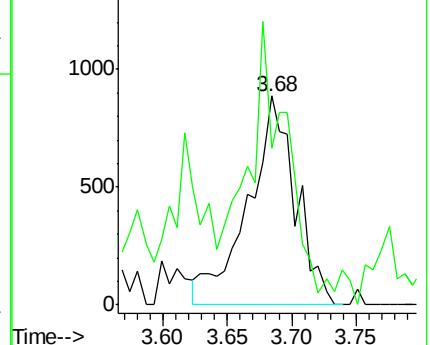
74 100

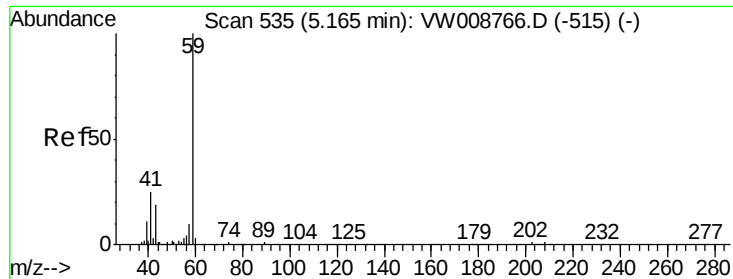
45 100.8 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

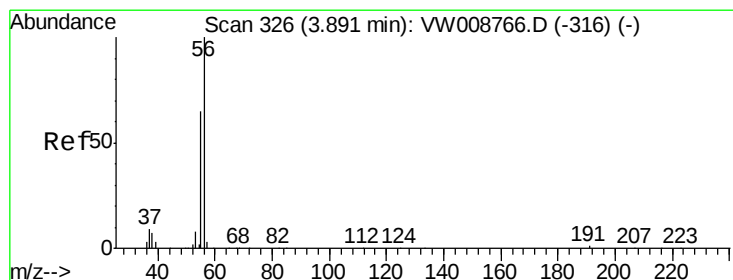
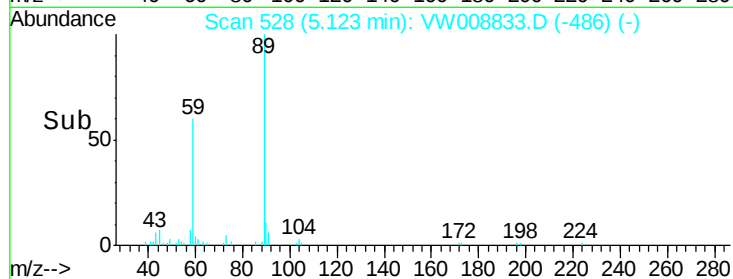
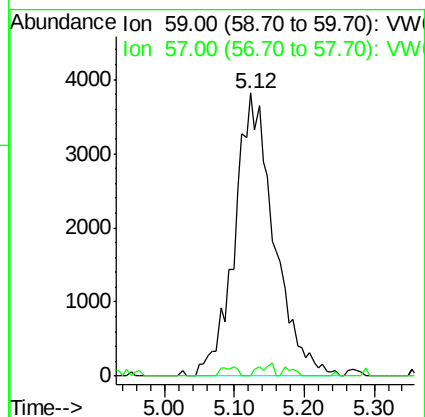
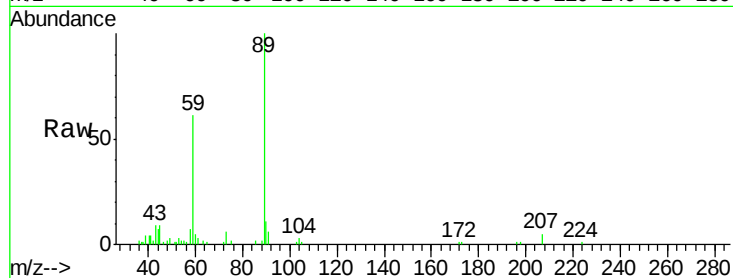




#11
Tert butyl alcohol
Concen: 51.026 ug/l
RT: 5.12 min Scan# 528
Delta R.T. -0.04 min
Lab File: VW008833.D
Acq: 26 Feb 2019 16:24

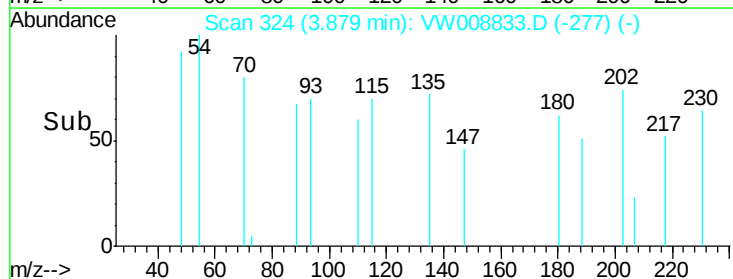
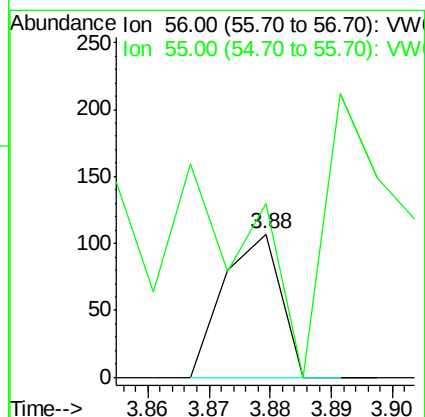
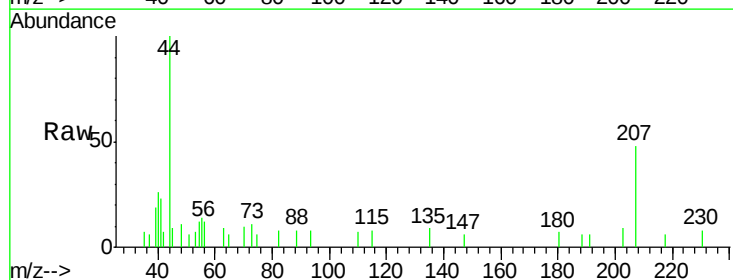
Instrument :
MSVOA_W
ClientSampled :
OK-02-022519

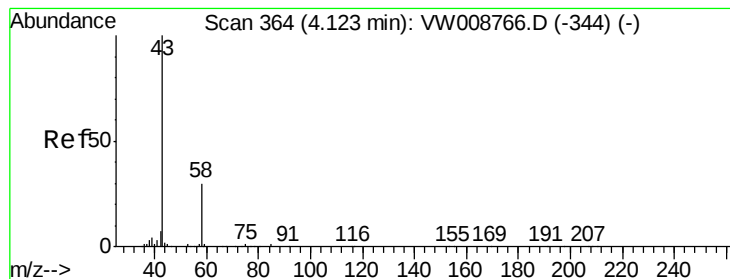
Tot Ion: 59 Resp: 14951
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#



#13
Acrolein
Concen: 19.982 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW008833.D
Acq: 26 Feb 2019 16:24

Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 317.6 56.9 85.3#





#16

Acetone

Concen: 9.965 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008833.D

Acq: 26 Feb 2019 16:24

Instrument :

MSVOA_W

ClientSampleId :

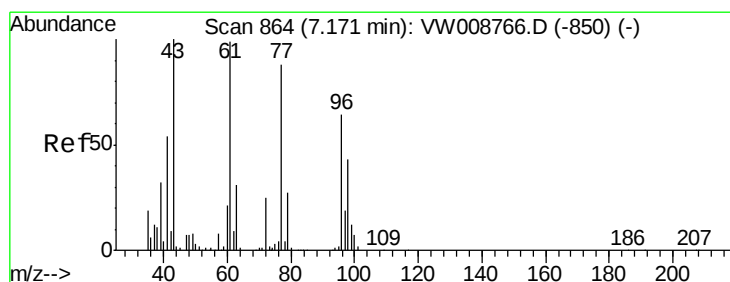
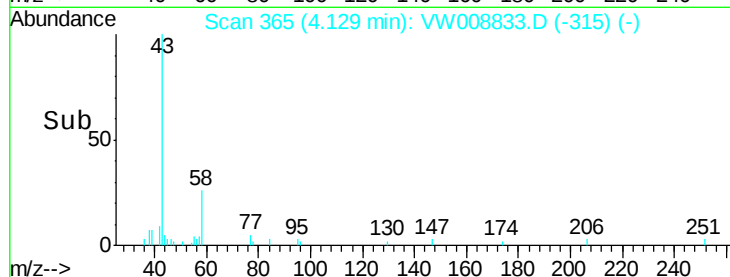
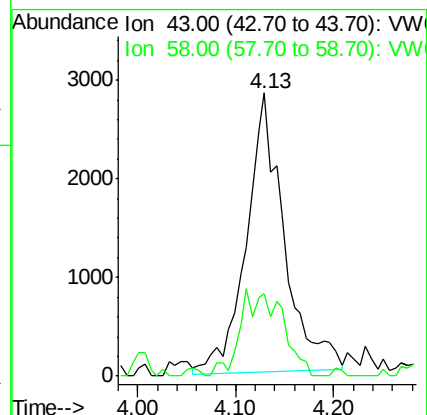
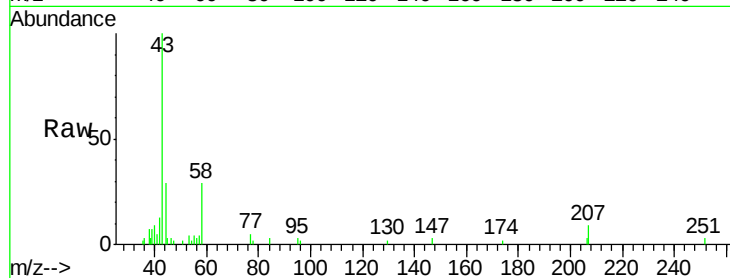
OK-02-022519

Tot Ion: 43 Resp: 7602

Ion Ratio Lower Upper

43 100

58 27.8 23.8 35.6



#25

2-Butanone

Concen: 6.673 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW008833.D

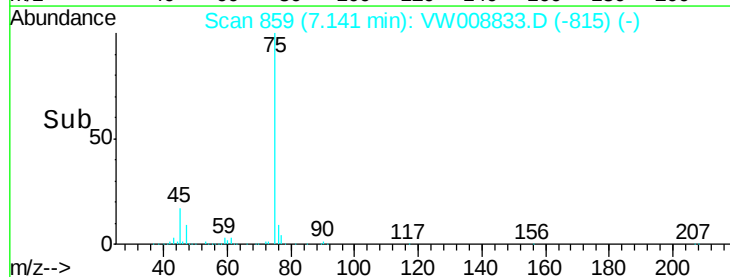
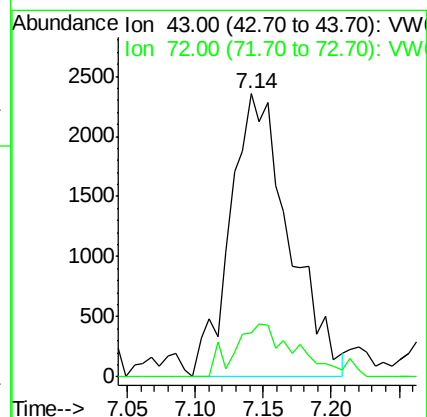
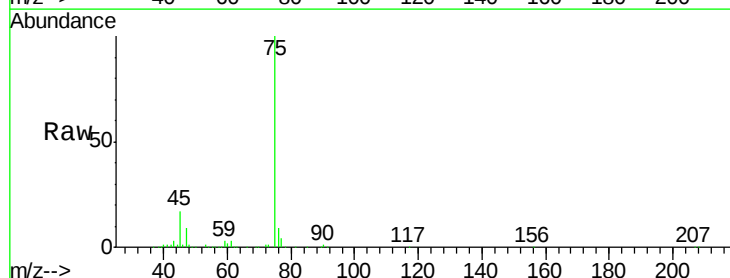
Acq: 26 Feb 2019 16:24

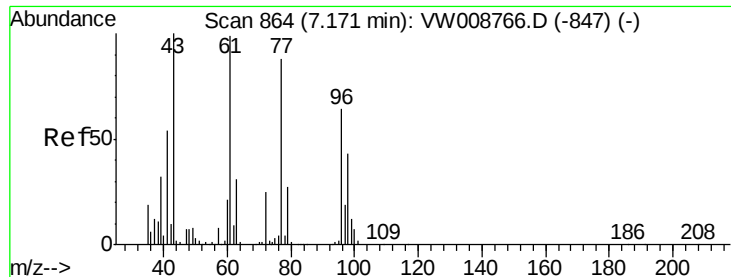
Tgt Ion: 43 Resp: 7117

Ion Ratio Lower Upper

43 100

72 15.7 19.7 29.5#





#26

2,2-Dichloropropane

Concen: 1.561 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW008833.D

Acq: 26 Feb 2019 16:24

Instrument :

MSVOA_W

ClientSampleId :

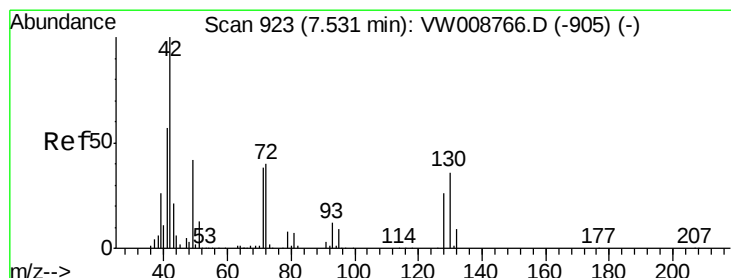
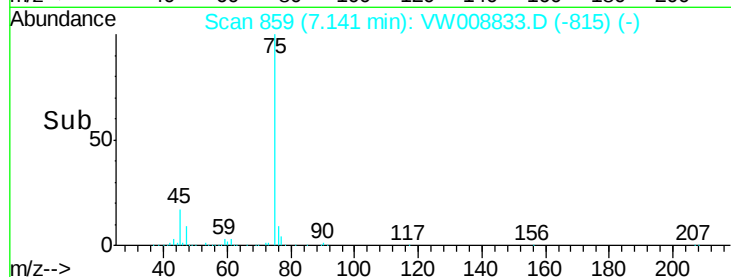
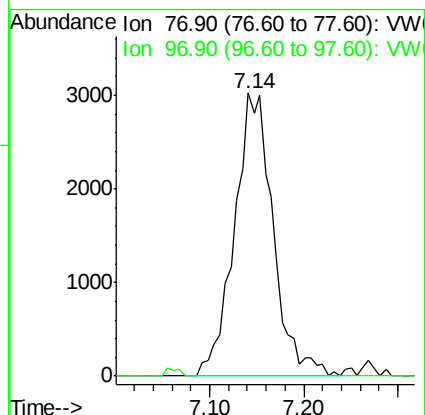
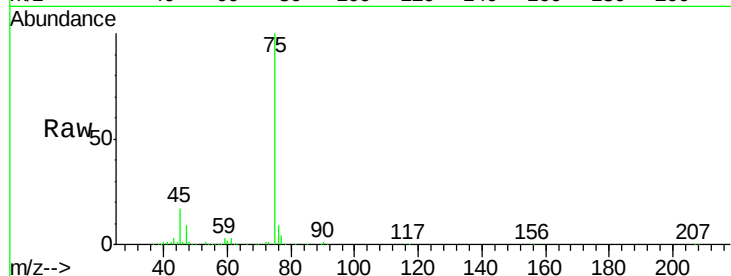
OK-02-022519

Tot Ion: 77 Resp: 8686

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#



#29

Tetrahydrofuran

Concen: 2.709 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW008833.D

Acq: 26 Feb 2019 16:24

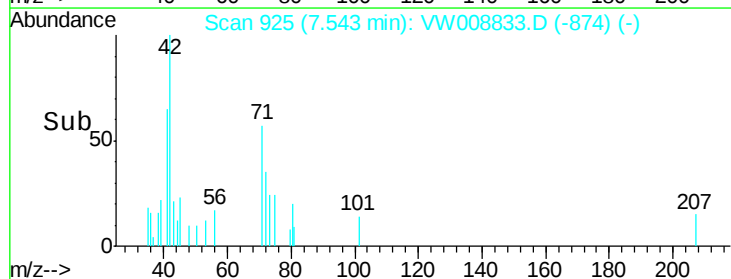
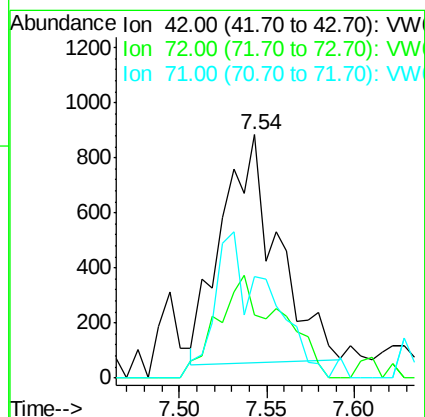
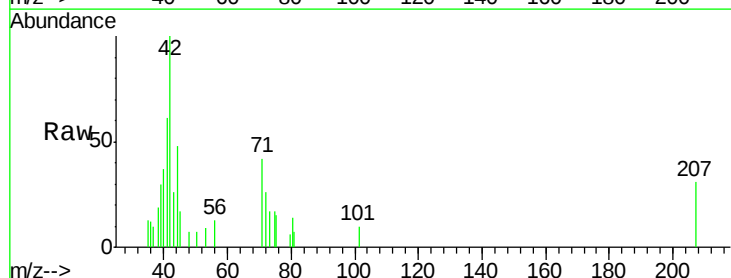
Tgt Ion: 42 Resp: 1841

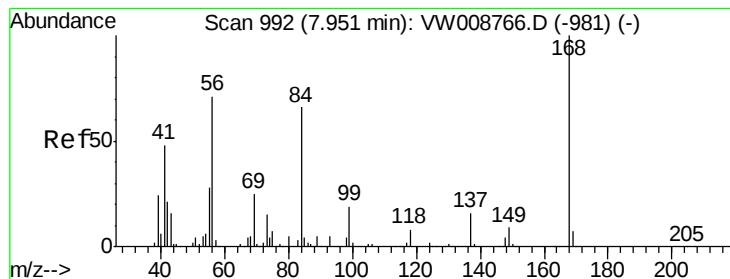
Ion Ratio Lower Upper

42 100

72 33.6 32.7 49.1

71 61.5 31.3 46.9#





#31

Cyclohexane

Concen: 1.505 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008833.D

Acq: 26 Feb 2019 16:24

Instrument :

MSVOA_W

ClientSampleId :

OK-02-022519

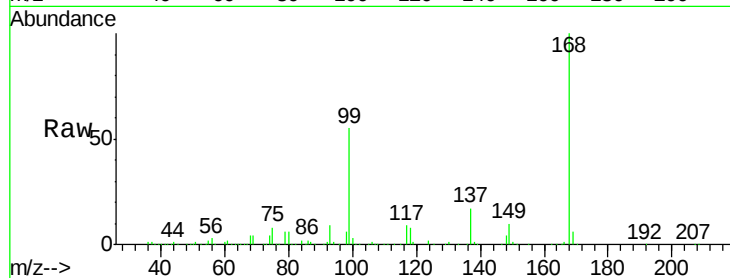
Tot Ion: 56 Resp: 9338

Ion Ratio Lower Upper

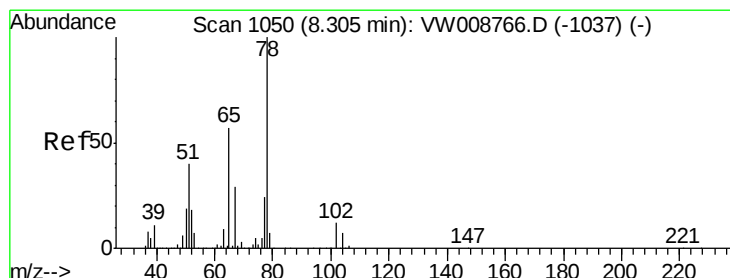
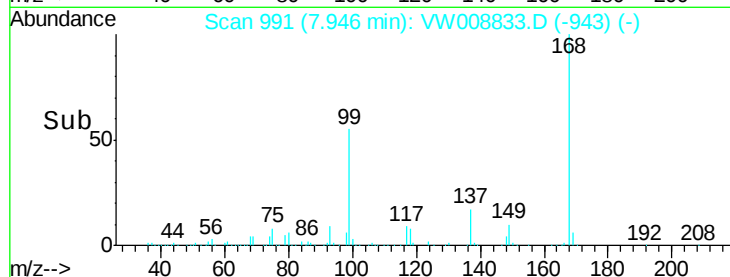
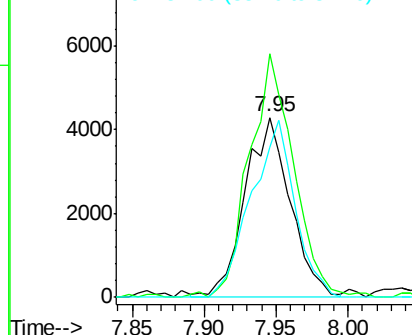
56 100

69 135.7 28.2 42.4#

84 84.8 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: 59.308 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008833.D

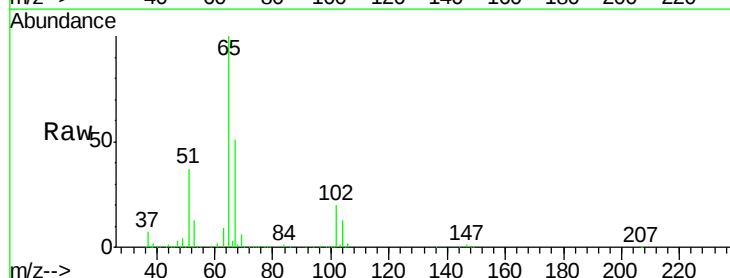
Acq: 26 Feb 2019 16:24

Tgt Ion: 65 Resp: 195198

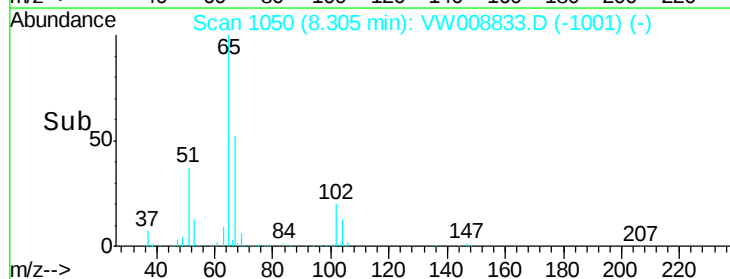
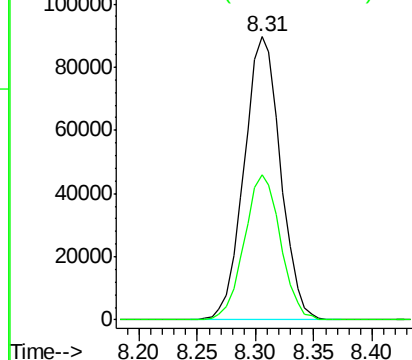
Ion Ratio Lower Upper

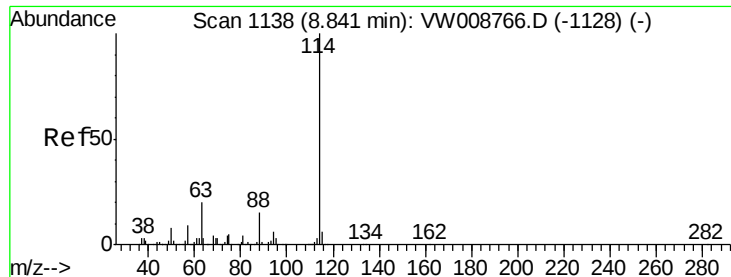
65 100

67 51.2 0.0 101.4



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

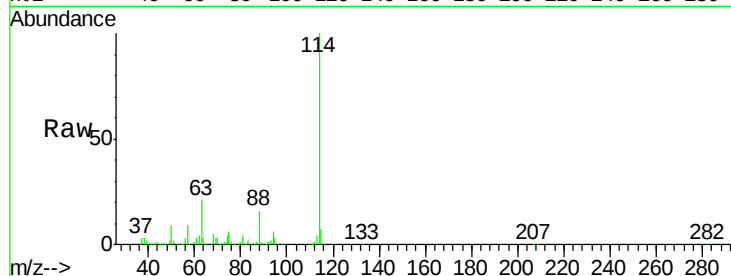




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008833.D
 Acq: 26 Feb 2019 16:24

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-022519

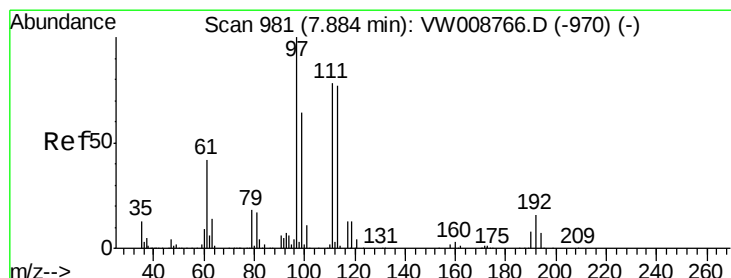
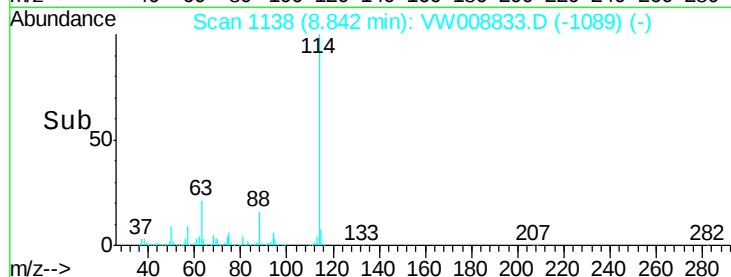
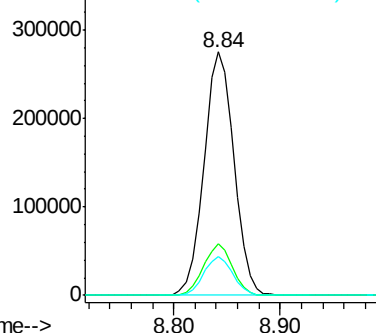
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	40.8
88	16.0	0.0	30.4



Abundance Ion 113.90 (113.60 to 114.60): V

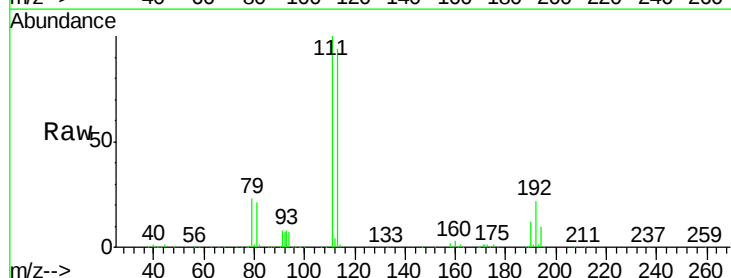
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 50.876 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008833.D
 Acq: 26 Feb 2019 16:24

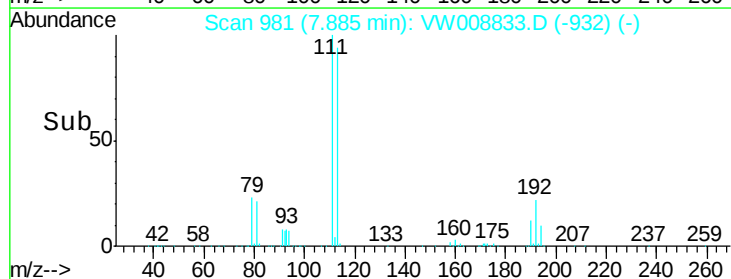
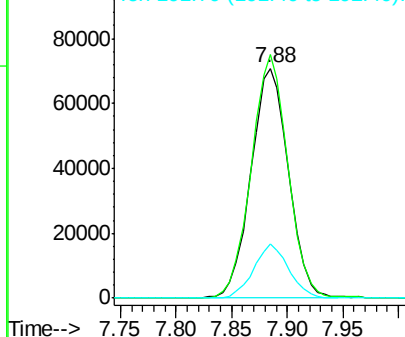
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.9	122.9
192	22.2	17.1	25.7

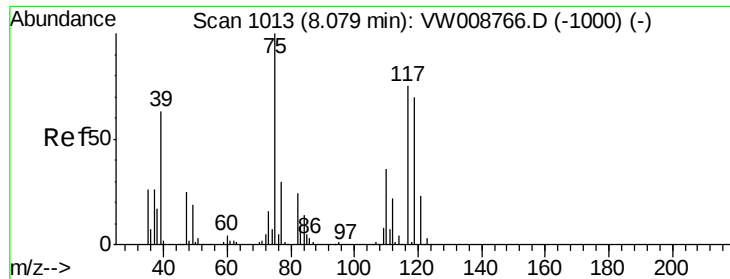


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

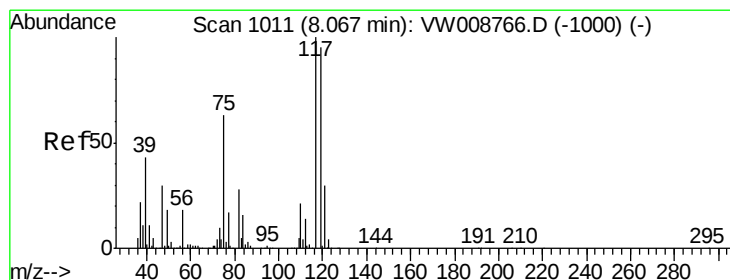
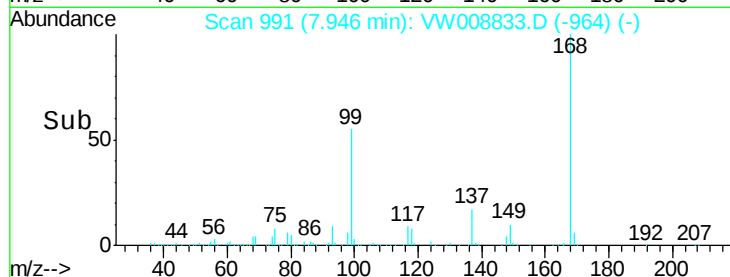
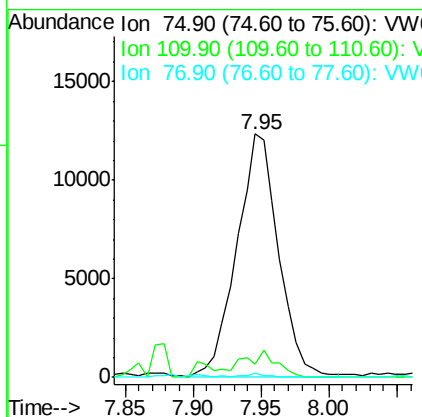
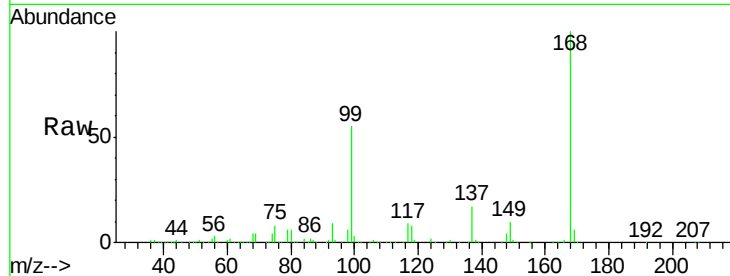




#36
 1,1-Dichloropropene
 Concen: 4.989 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008833.D
 Acq: 26 Feb 2019 16:24

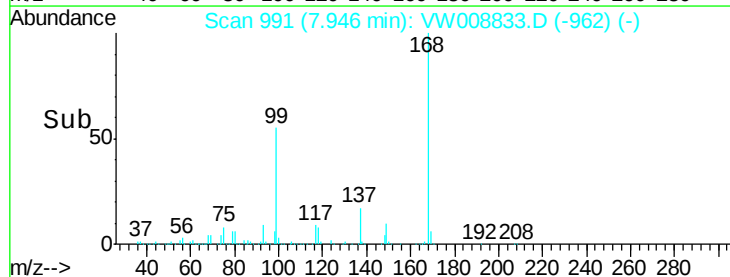
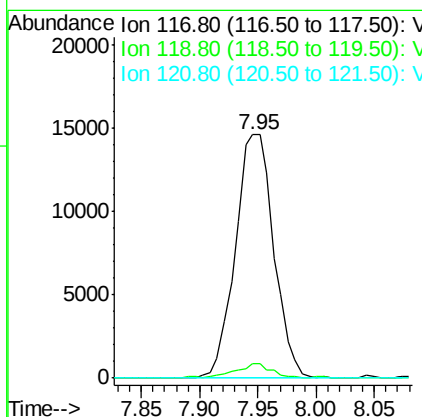
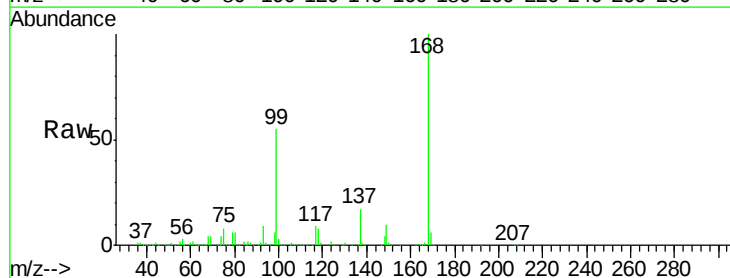
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-022519

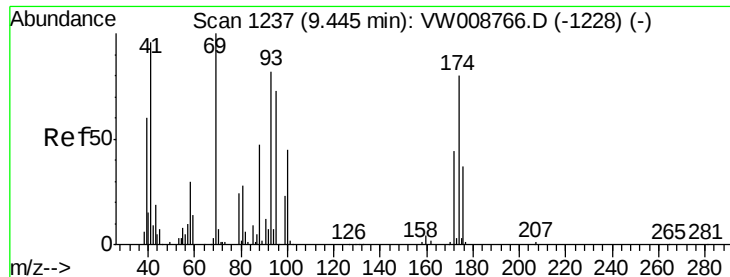
Tot Ion: 75 Resp: 26412
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.5 52.6#
 77 0.8 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 6.014 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008833.D
 Acq: 26 Feb 2019 16:24

Tgt Ion: 117 Resp: 33579
 Ion Ratio Lower Upper
 117 100
 119 5.7 76.1 114.1#
 121 0.0 24.0 36.0#

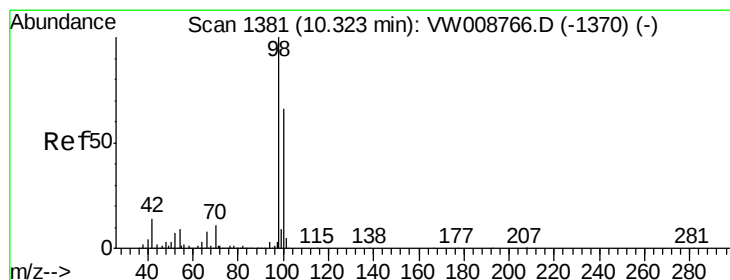
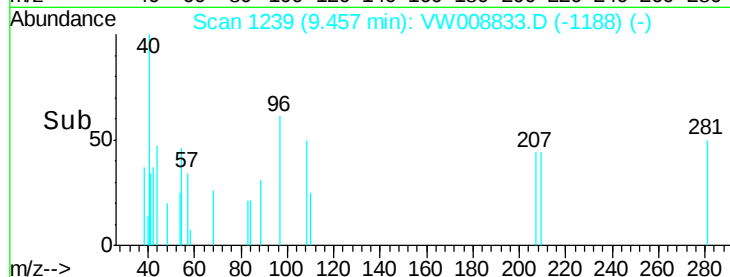
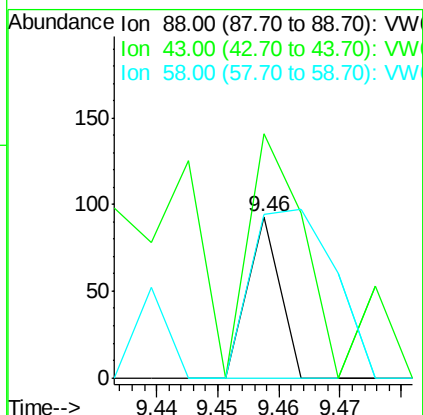
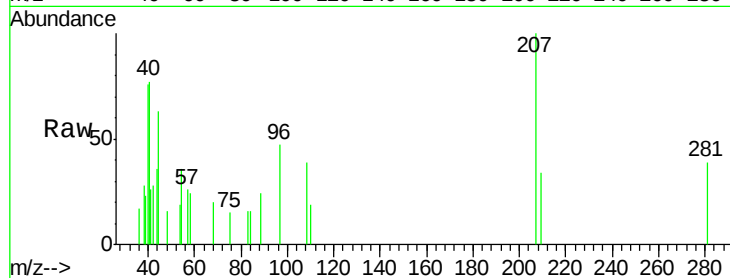




#49
 1,4-Dioxane
 Concen: 1.069 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW008833.D
 Acq: 26 Feb 2019 16:24

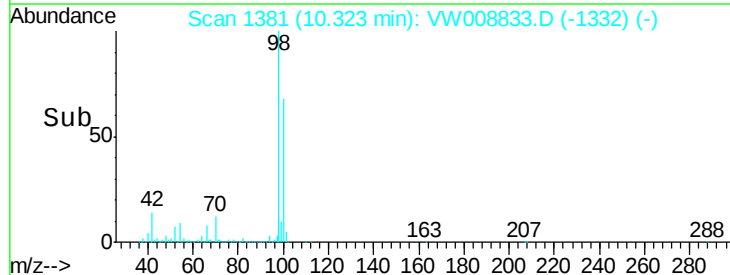
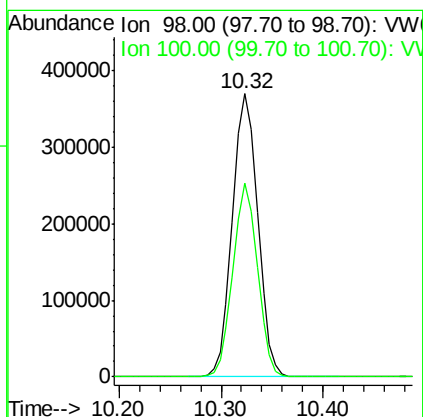
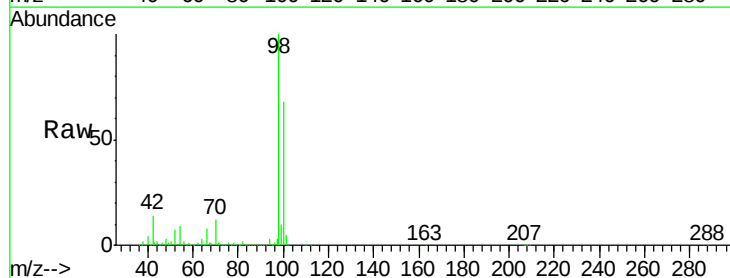
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-022519

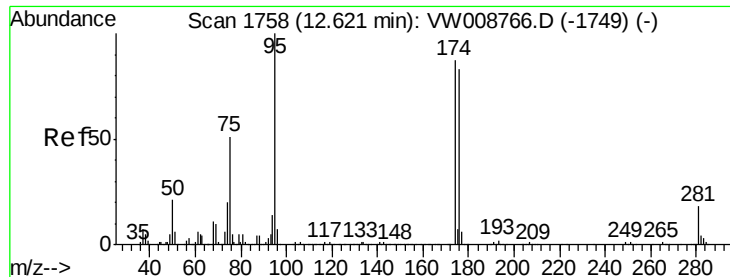
Tot Ion: 88 Resp: 34
 Ion Ratio Lower Upper
 88 100
 43 311.8 29.0 43.4#
 58 270.6 52.0 78.0#



#50
 Toluene-d8
 Concen: 50.546 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW008833.D
 Acq: 26 Feb 2019 16:24

Tgt Ion: 98 Resp: 637201
 Ion Ratio Lower Upper
 98 100
 100 66.3 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 42.035 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008833.D

Acq: 26 Feb 2019 16:24

Instrument :

MSVOA_W

ClientSampleId :

OK-02-022519

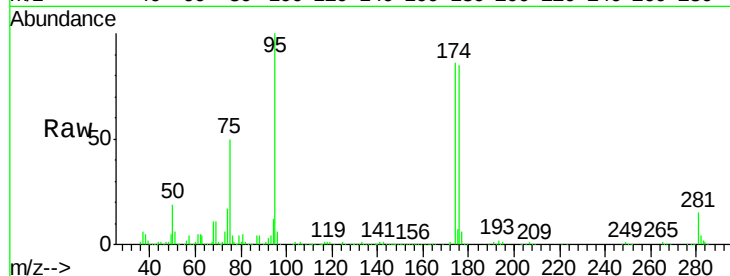
Tot Ion: 95 Resp: 207480

Ion Ratio Lower Upper

95 100

174 85.1 0.0 169.2

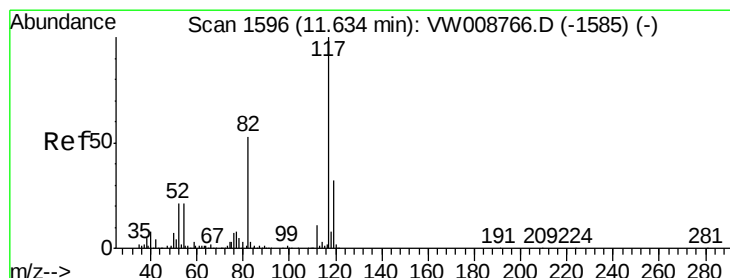
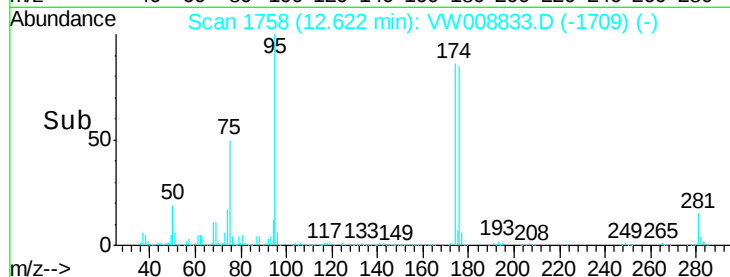
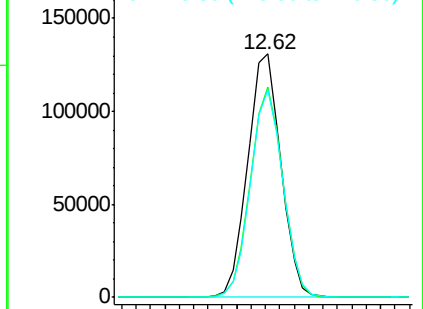
176 83.6 0.0 163.6



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: VW008833.D

Acq: 26 Feb 2019 16:24

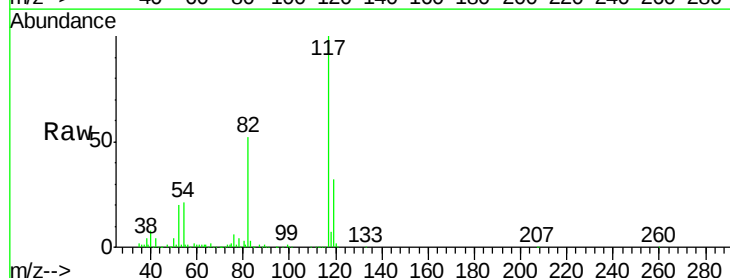
Tgt Ion: 117 Resp: 469448

Ion Ratio Lower Upper

117 100

82 52.5 42.2 63.4

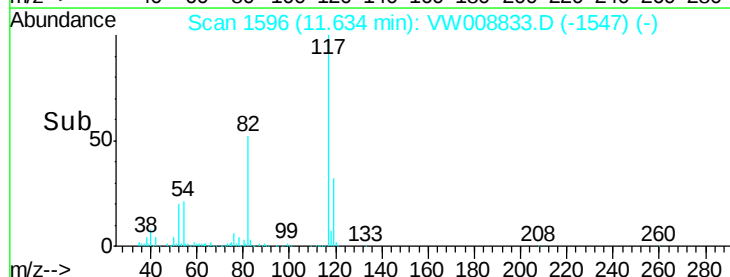
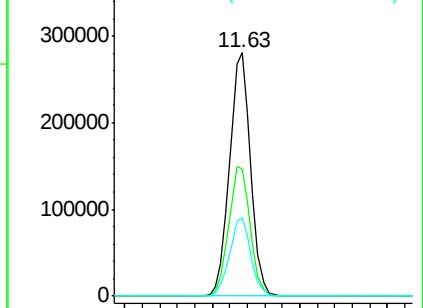
119 32.4 25.9 38.9

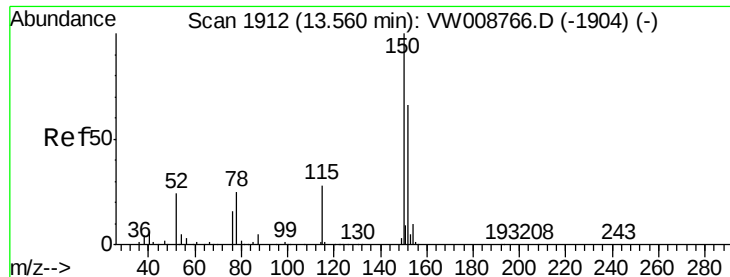


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW008833.D

Acq: 26 Feb 2019 16:24

Instrument :

MSVOA_W

ClientSampleId :

OK-02-022519

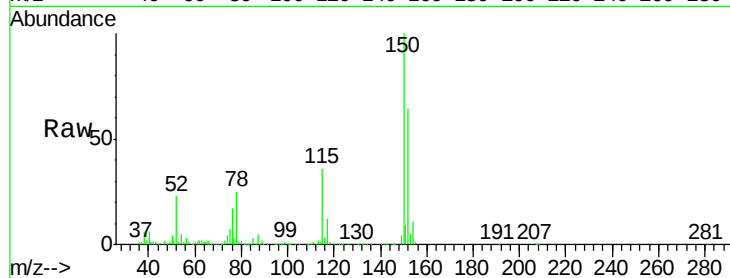
Tot Ion:152 Resp: 195018

Ion Ratio Lower Upper

152 100

115 57.3 28.6 85.8

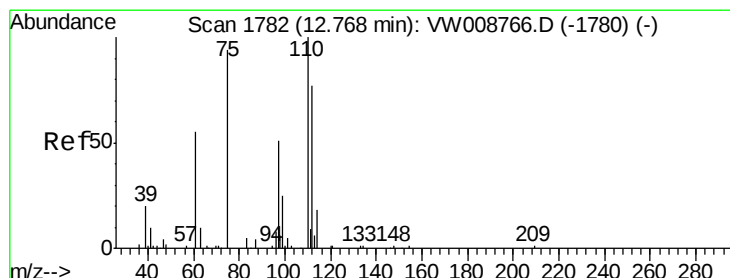
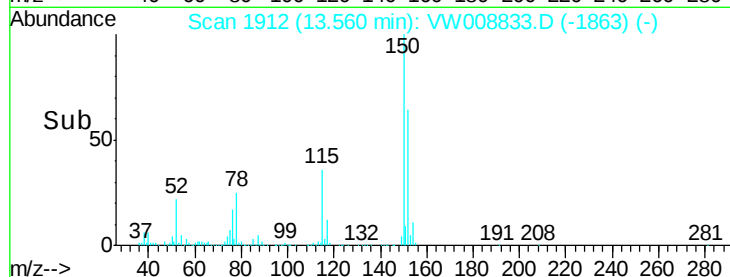
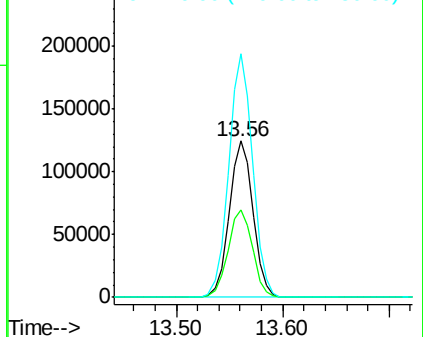
150 155.7 0.0 348.0



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: 66.907 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008833.D

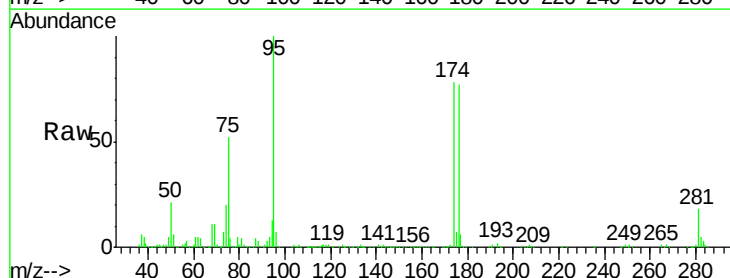
Acq: 26 Feb 2019 16:24

Tgt Ion: 75 Resp: 107729

Ion Ratio Lower Upper

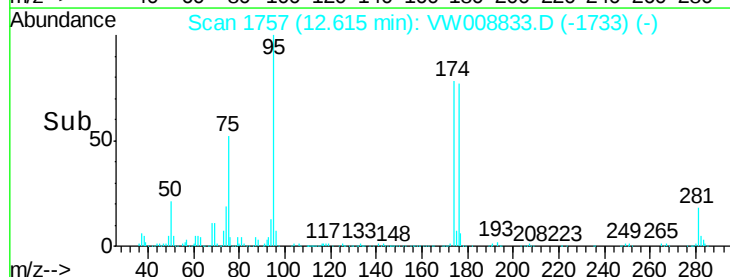
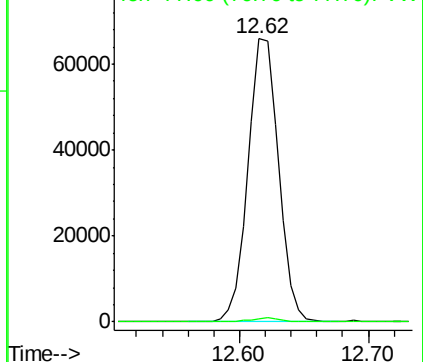
75 100

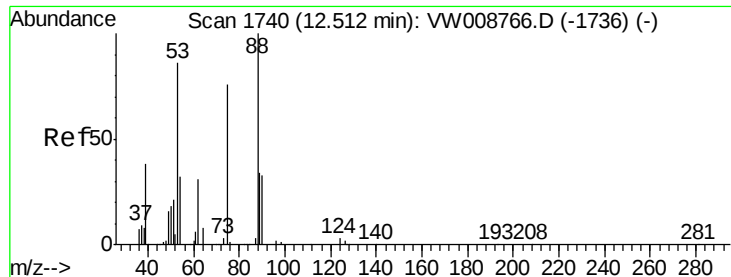
77 1.4 0.0 0.0#



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: 162.656 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008833.D

Acq: 26 Feb 2019 16:24

Instrument :

MSVOA_W

ClientSampleId :

OK-02-022519

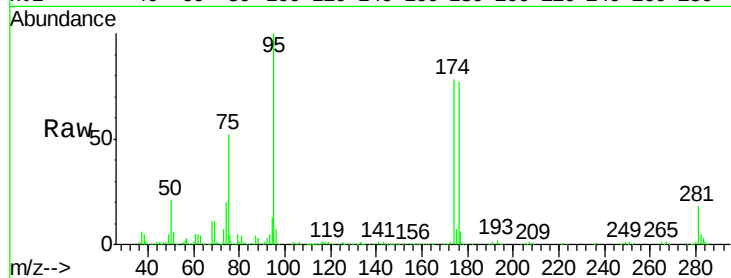
Tot Ion: 75 Resp: 107729

Ion Ratio Lower Upper

75 100

53 0.3 88.2 132.2#

89 0.1 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

