

Data File : VW008333.D
Acq On : 17 Jan 2019 17:31
Operator : SY/VA
Sample : K1191-01
Misc : 10.32G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SITE4-01

Quant Time: Jan 18 01:08:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 18 00:57:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	101844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	175268	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	160553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	75755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	59927	56.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.14%	
35) Dibromofluoromethane	7.88	113	49864	44.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.14%	
50) Toluene-d8	10.32	98	218011	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.62	95	76180	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	

Target Compounds

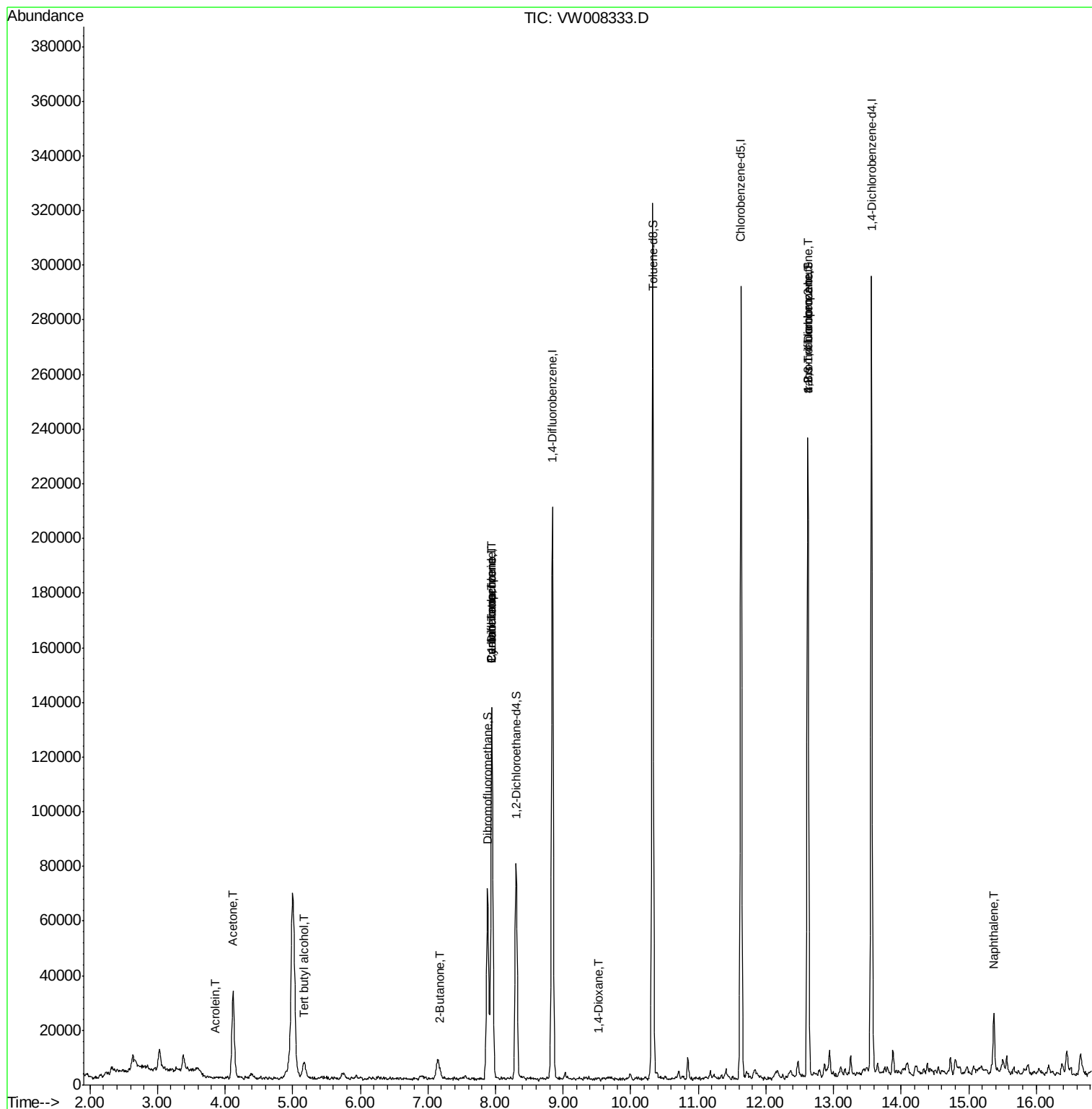
						Qvalue
11) Tert butyl alcohol	5.17	59	11281	158.151	ug/l	95
13) Acrolein	3.85	56	83	8.859	ug/l #	80
16) Acetone	4.12	43	53816	218.734	ug/l	98
20) Methylene Chloride	4.90	84	1087	Below Cal	#	70
25) 2-Butanone	7.18	43	2928	9.292	ug/l #	54
31) Cyclohexane	7.95	56	2482	1.254	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	7725	4.381	ug/l #	52
38) Carbon Tetrachloride	7.95	117	9811	5.635	ug/l #	19
49) 1,4-Dioxane	9.51	88	68	6.532	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	37007	53.644	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	37007	128.017	ug/l #	12
95) Naphthalene	15.37	128	18588	8.424	ug/l	97

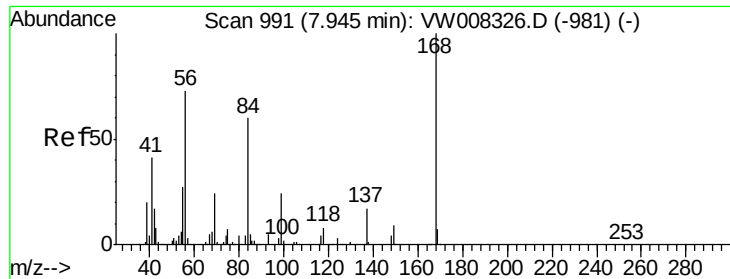
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW008333.D
Acq On : 17 Jan 2019 17:31
Operator : SY/VA
Sample : K1191-01
Misc : 10.32G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SITE4-01

Quant Time: Jan 18 01:08:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 18 00:57:07 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: VW008333.D

Acq: 17 Jan 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

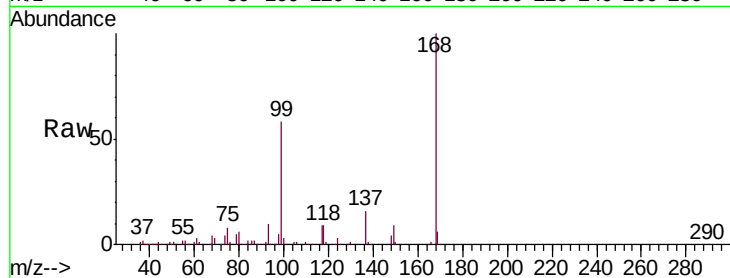
SITE4-01

Tgt Ion:168 Resp: 101844

Ion Ratio Lower Upper

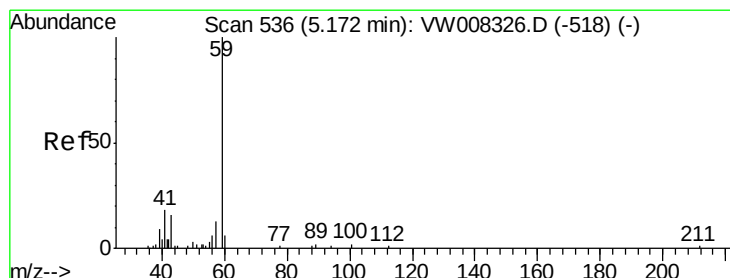
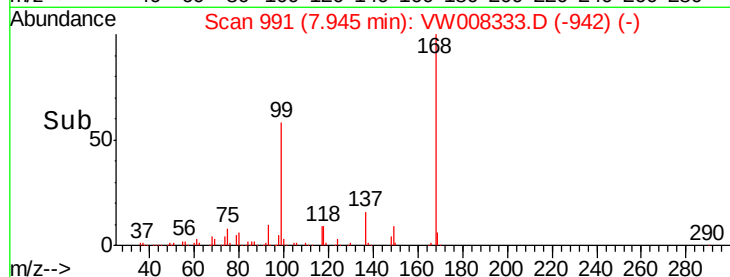
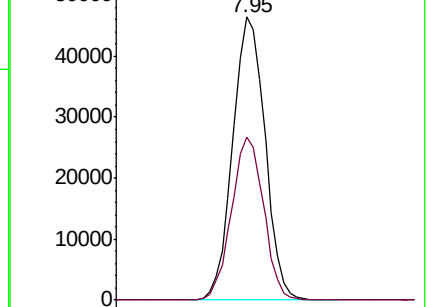
168 100

99 57.6 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 158.151 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW008333.D

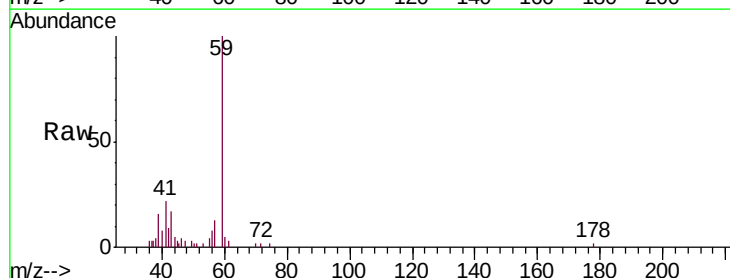
Acq: 17 Jan 2019 17:31

Tgt Ion: 59 Resp: 11281

Ion Ratio Lower Upper

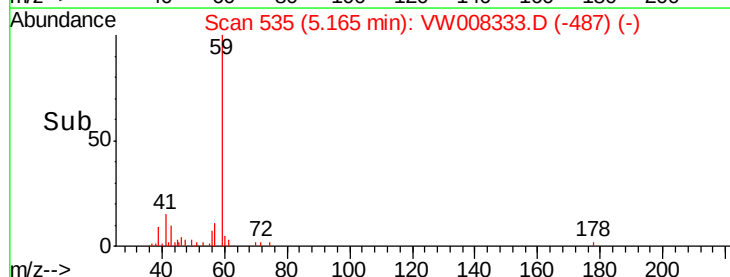
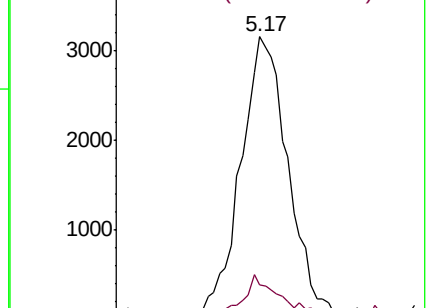
59 100

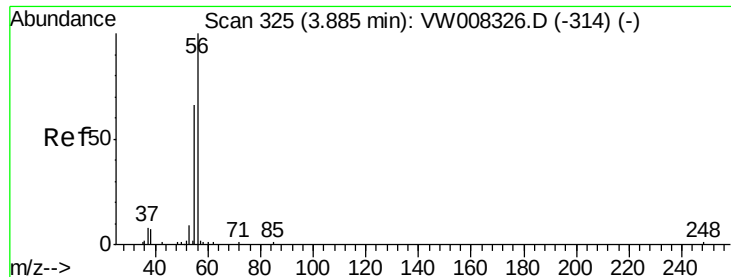
57 13.9 9.4 14.2



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 8.859 ug/l

RT: 3.85 min Scan# 320

Delta R.T. -0.03 min

Lab File: VW008333.D

Acq: 17 Jan 2019 17:31

Instrument :

MSVOA_W

ClientSampled :

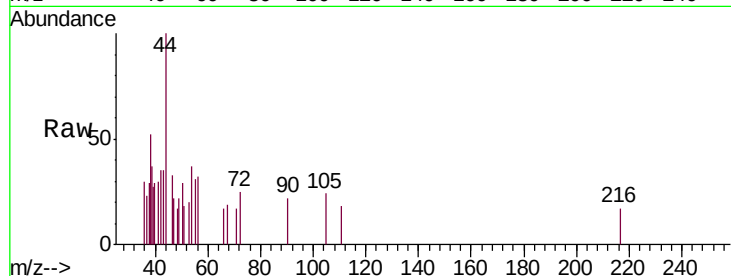
SITE4-01

Tgt Ion: 56 Resp: 83

Ion Ratio Lower Upper

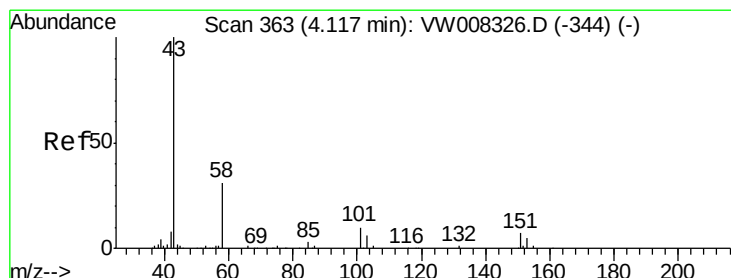
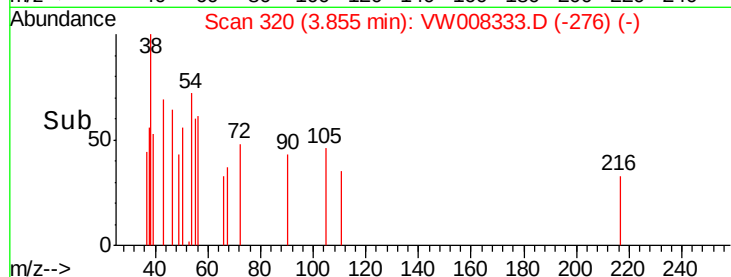
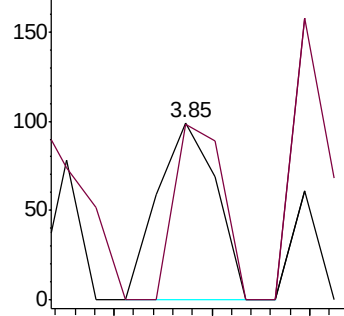
56 100

55 81.9 52.9 79.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 218.734 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008333.D

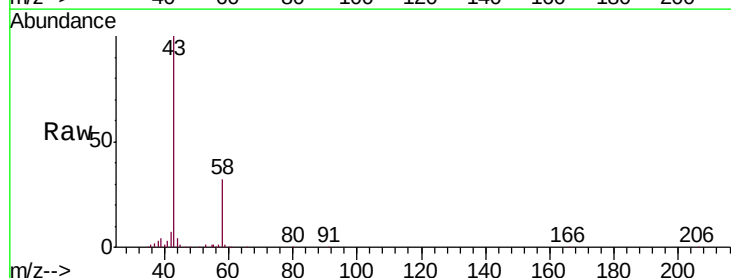
Acq: 17 Jan 2019 17:31

Tgt Ion: 43 Resp: 53816

Ion Ratio Lower Upper

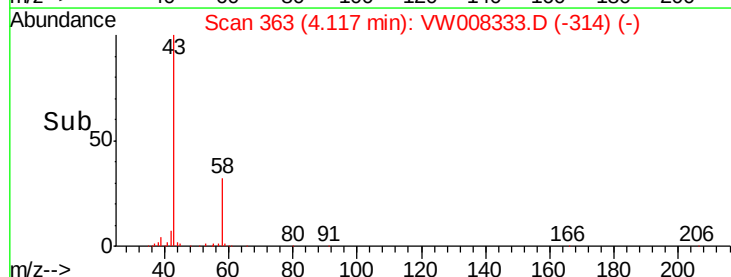
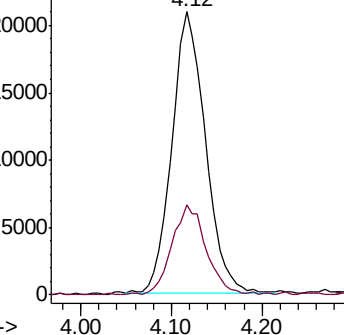
43 100

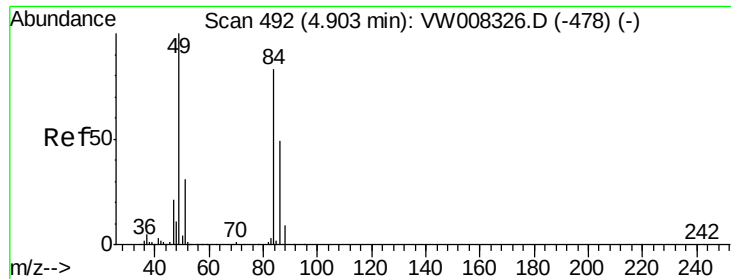
58 31.8 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

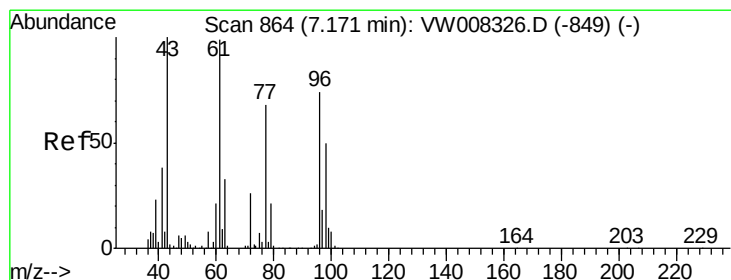
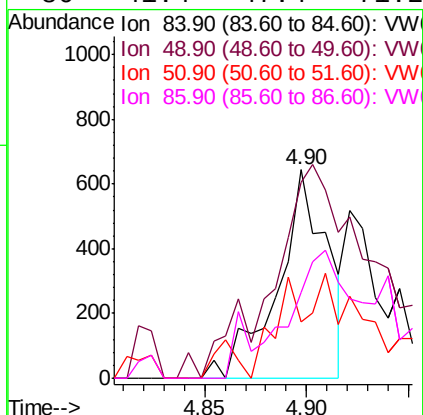
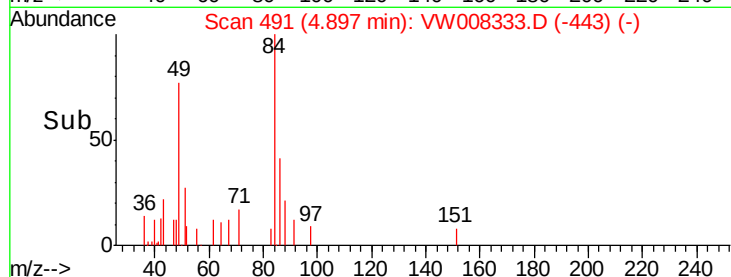
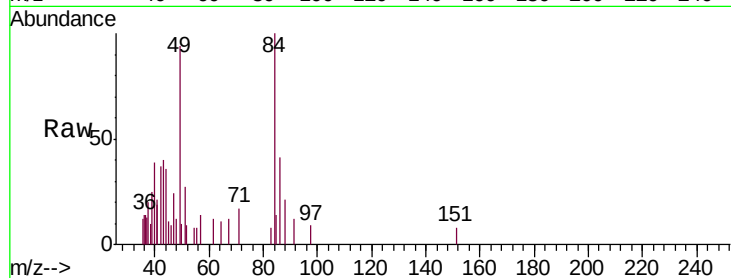




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW008333.D
Acq: 17 Jan 2019 17:31

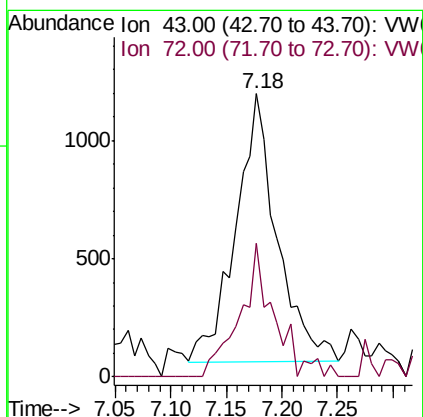
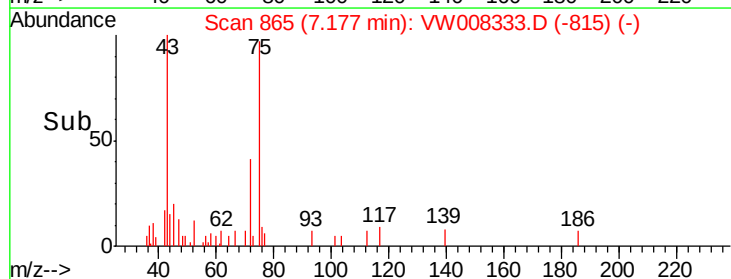
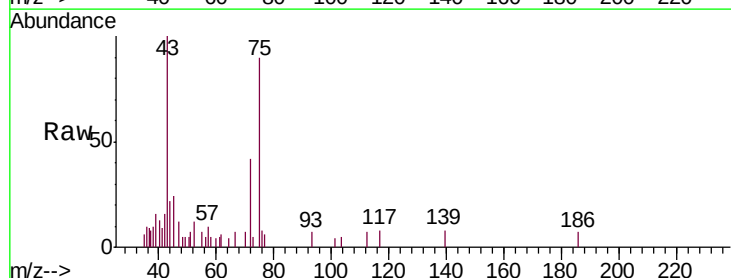
Instrument :
MSVOA_W
ClientSampleId :
SITE4-01

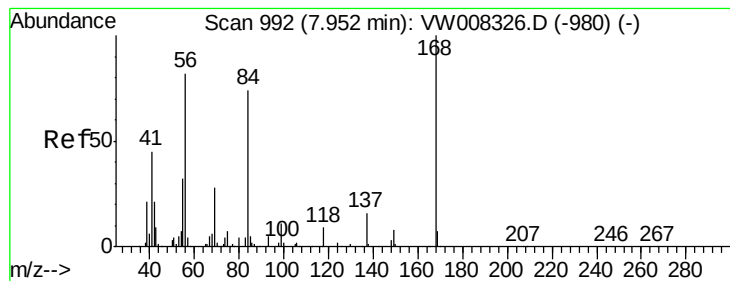
Tgt Ion: 84 Resp: 1087
Ion Ratio Lower Upper
84 100
49 72.6 95.9 143.9#
51 35.8 29.3 43.9
86 41.4 47.4 71.2#



#25
2-Butanone
Concen: 9.292 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW008333.D
Acq: 17 Jan 2019 17:31

Tgt Ion: 43 Resp: 2928
Ion Ratio Lower Upper
43 100
72 49.9 21.2 31.8#





#31

Cyclohexane

Concen: 1.254 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008333.D

Acq: 17 Jan 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

SITE4-01

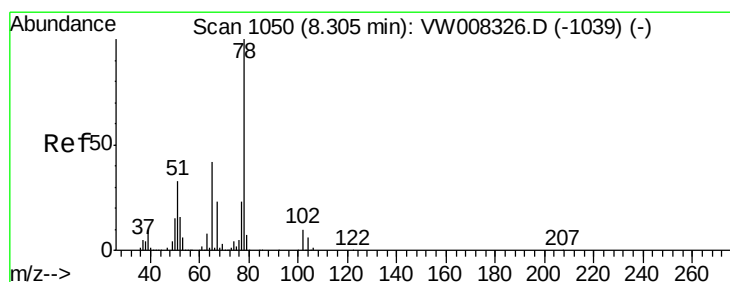
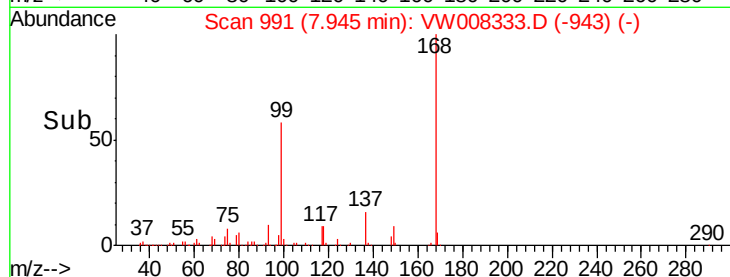
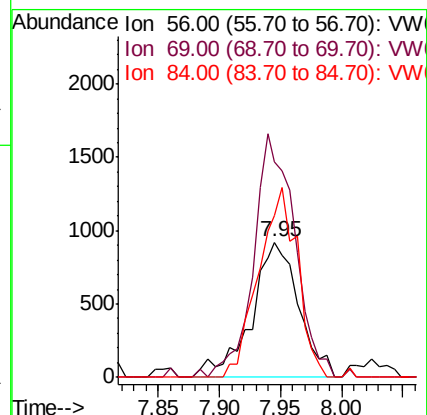
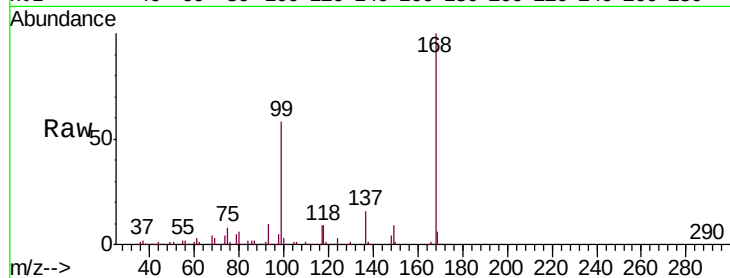
Tgt Ion: 56 Resp: 2482

Ion Ratio Lower Upper

56 100

69 159.6 27.0 40.6#

84 119.7 72.5 108.7#



#33

1,2-Dichloroethane-d4

Concen: 56.566 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008333.D

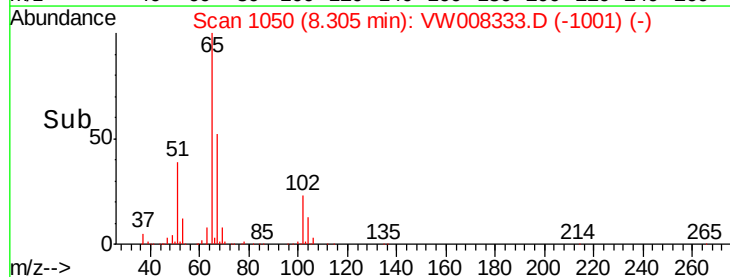
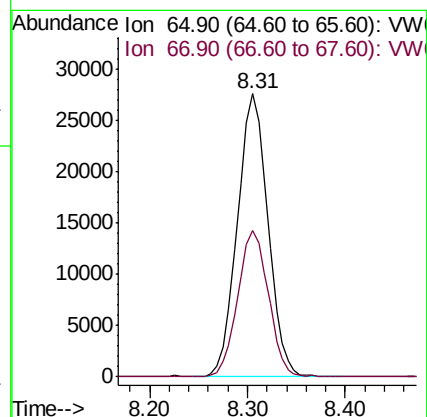
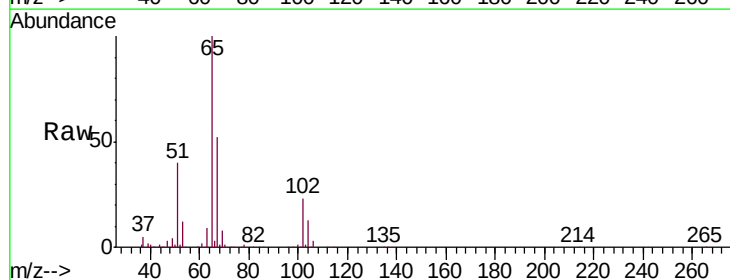
Acq: 17 Jan 2019 17:31

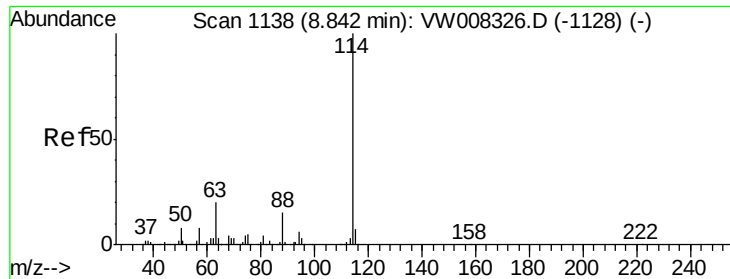
Tgt Ion: 65 Resp: 59927

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008333.D

Acq: 17 Jan 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

SITE4-01

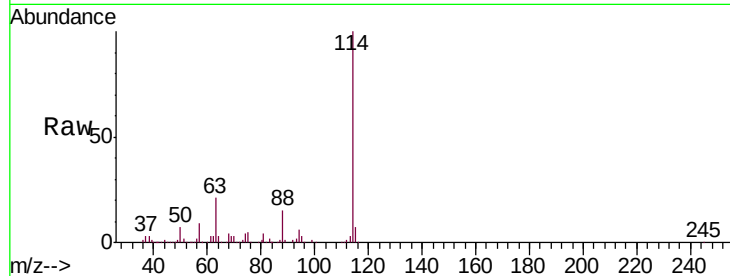
Tgt Ion:114 Resp: 175268

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

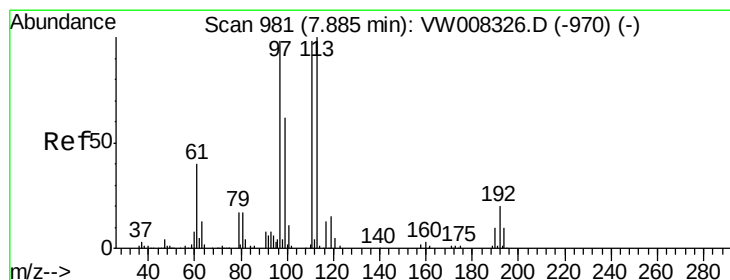
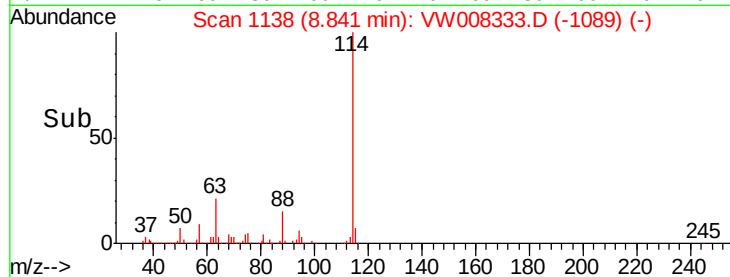
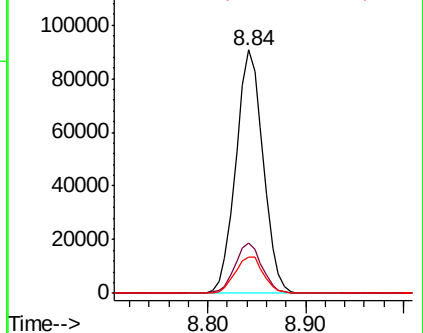
88 15.2 0.0 30.4



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: 44.569 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008333.D

Acq: 17 Jan 2019 17:31

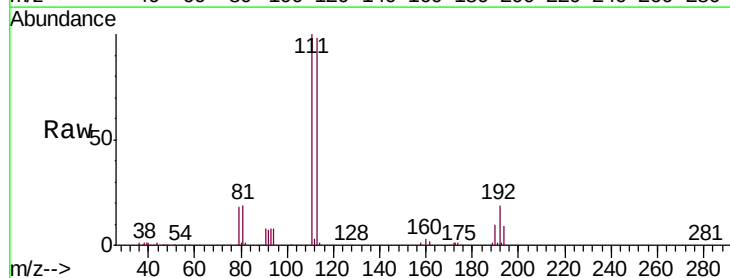
Tgt Ion:113 Resp: 49864

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.8

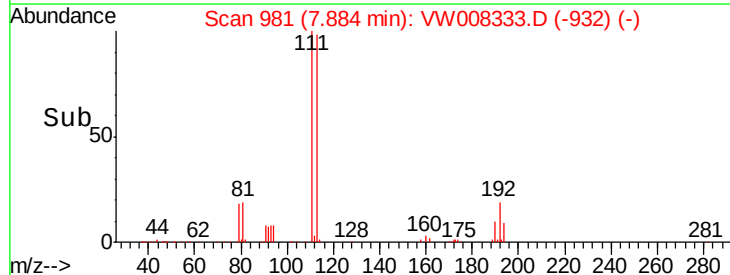
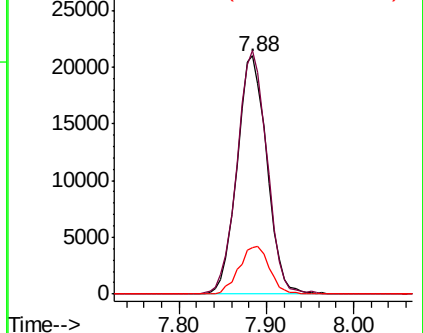
192 20.1 16.3 24.5

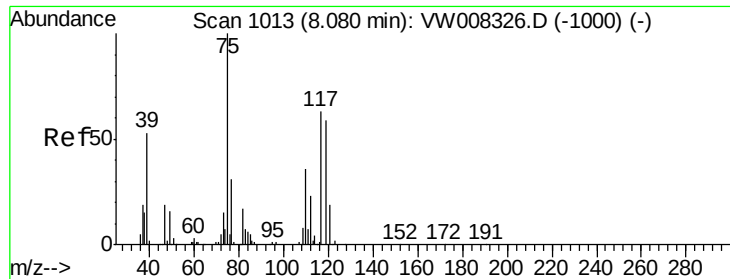


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

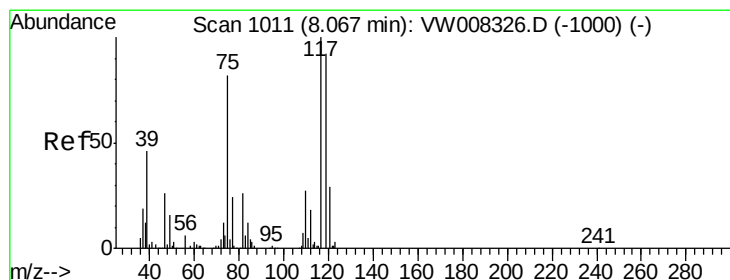
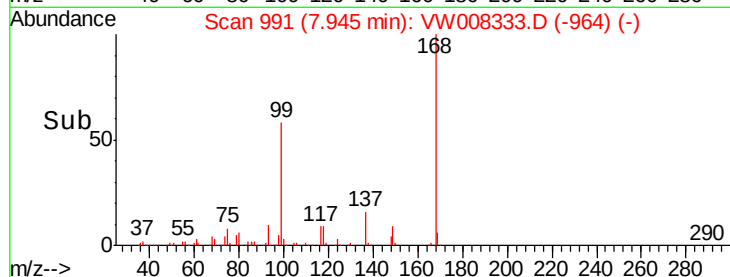
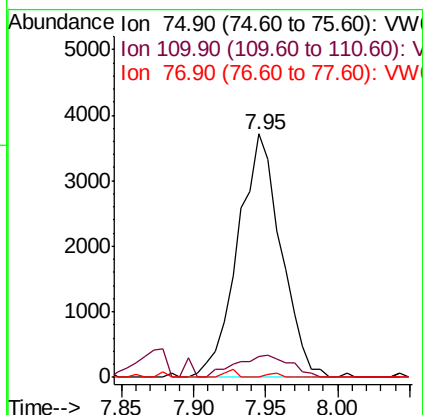
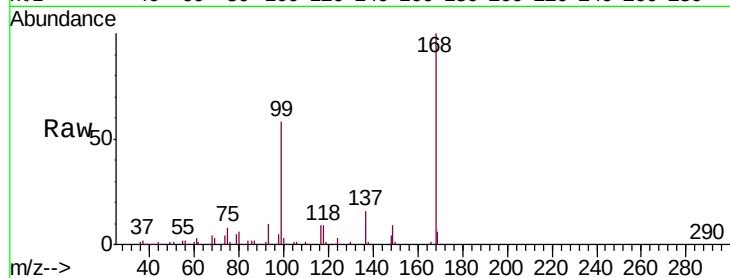




#36
 1,1-Dichloropropene
 Concen: 4.381 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008333.D
 Acq: 17 Jan 2019 17:31

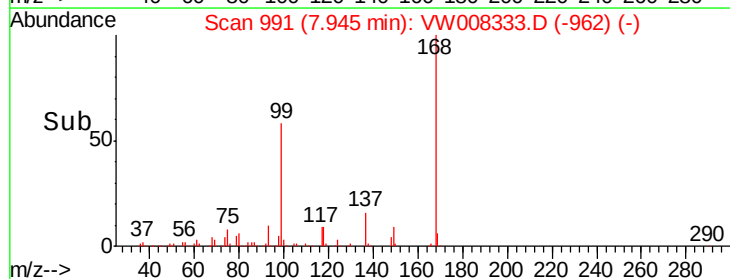
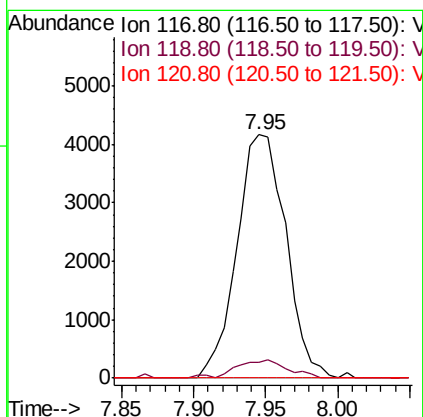
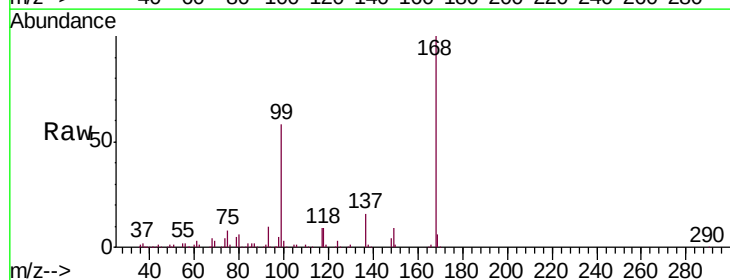
Instrument :
 MSVOA_W
 ClientSampleId :
 SITE4-01

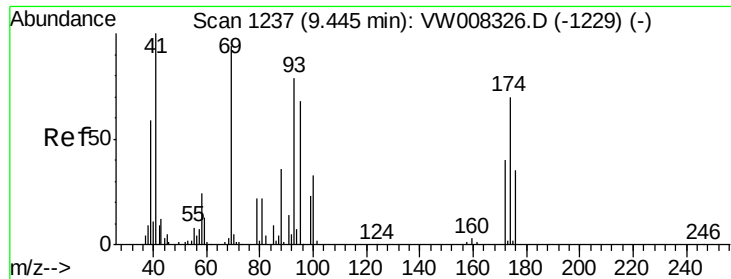
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.7	17.5	52.6#
77	0.6	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.635 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008333.D
 Acq: 17 Jan 2019 17:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	73.8	110.6#
121	0.0	23.4	35.0#

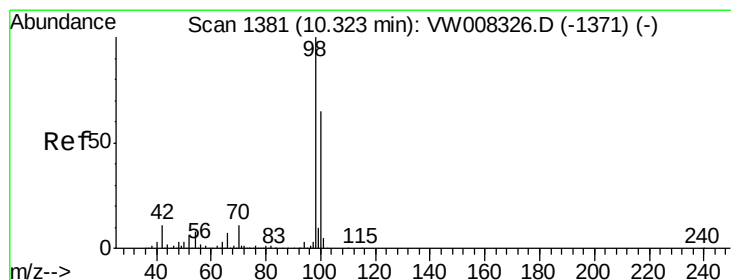
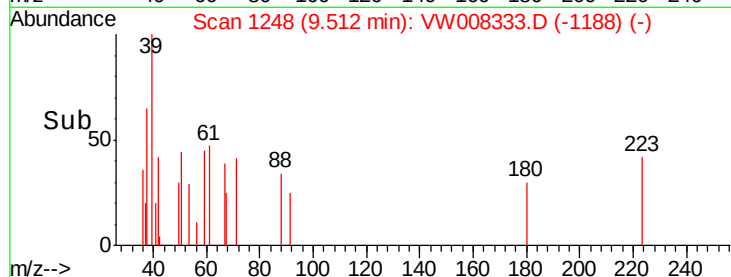
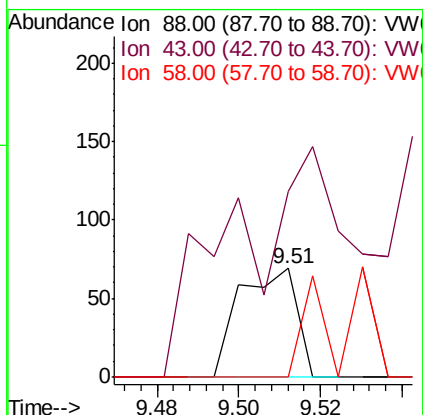
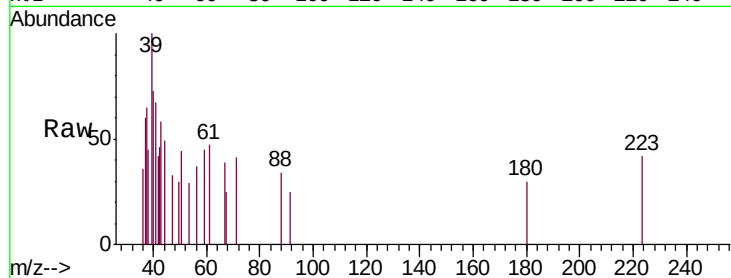




#49
1,4-Dioxane
Concen: 6.532 ug/l
RT: 9.51 min Scan# 1248
Delta R.T. 0.07 min
Lab File: VW008333.D
Acq: 17 Jan 2019 17:31

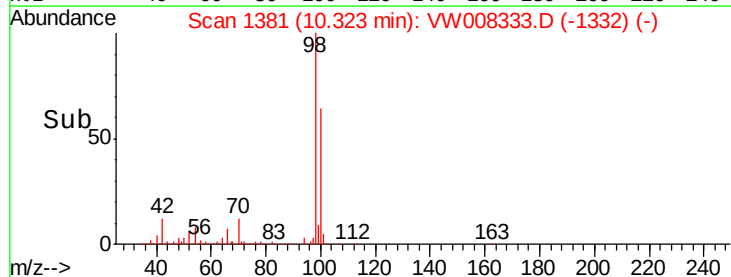
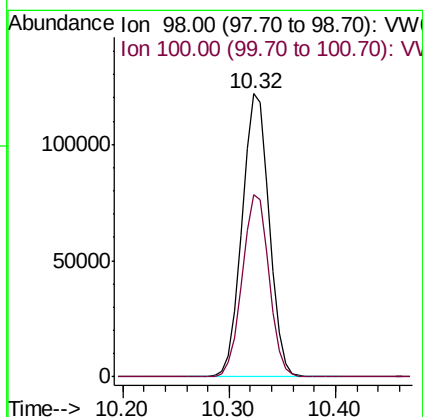
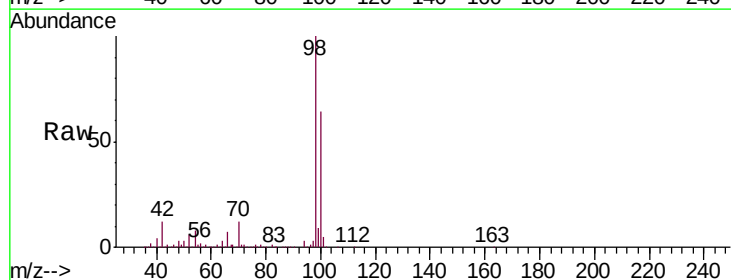
Instrument :
MSVOA_W
ClientSampled :
SITE4-01

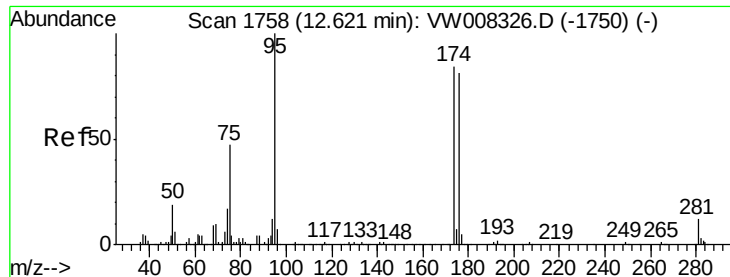
Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 455.9 27.1 40.7#
58 0.0 57.9 86.9#



#50
Toluene-d8
Concen: 49.602 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008333.D
Acq: 17 Jan 2019 17:31

Tgt Ion: 98 Resp: 218011
Ion Ratio Lower Upper
98 100
100 63.7 51.8 77.8





#62

4-Bromofluorobenzene

Concen: 48.327 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008333.D

Acq: 17 Jan 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

SITE4-01

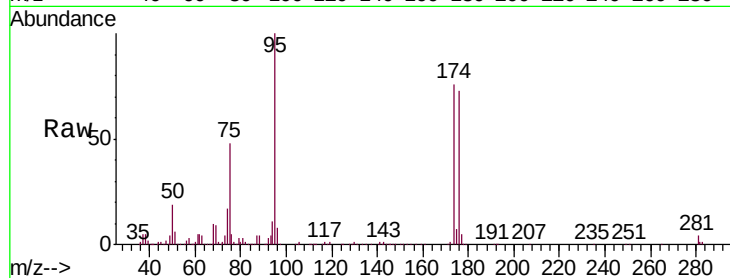
Tgt Ion: 95 Resp: 76180

Ion Ratio Lower Upper

95 100

174 78.6 0.0 166.0

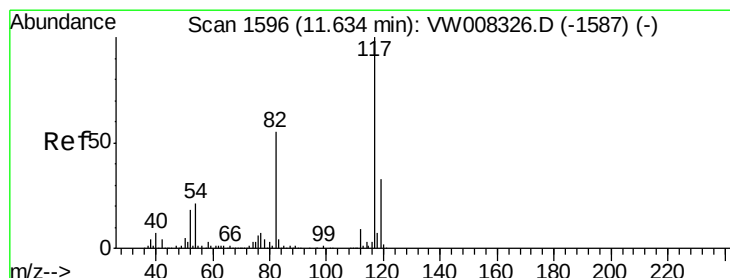
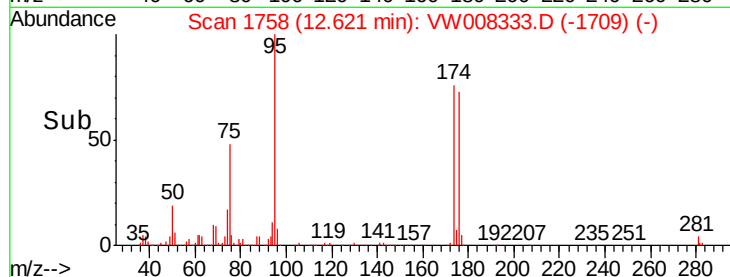
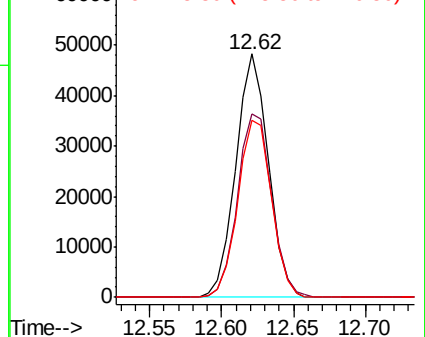
176 75.6 0.0 160.0



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. -0.00 min

Lab File: VW008333.D

Acq: 17 Jan 2019 17:31

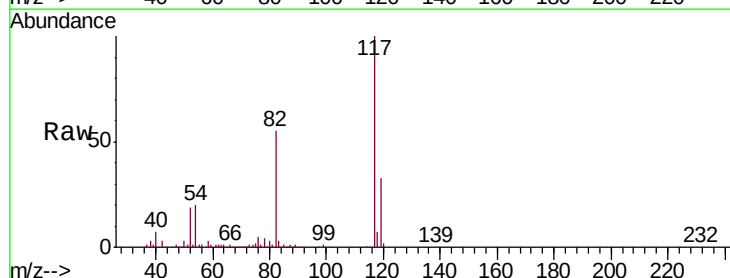
Tgt Ion: 117 Resp: 160553

Ion Ratio Lower Upper

117 100

82 54.9 44.3 66.5

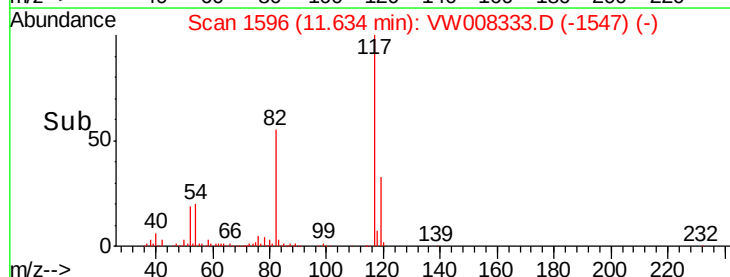
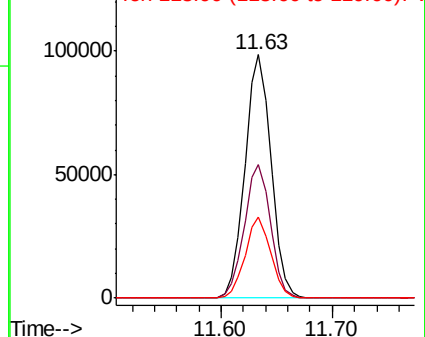
119 33.4 26.3 39.5

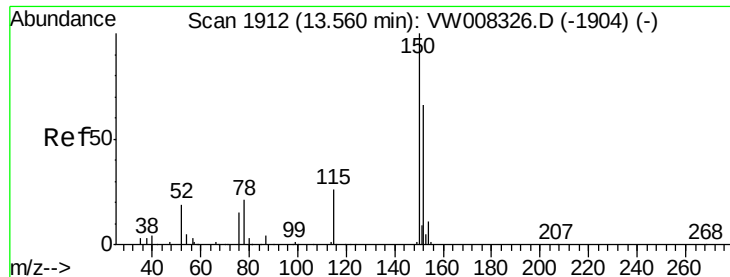


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008333.D

Acq: 17 Jan 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

SITE4-01

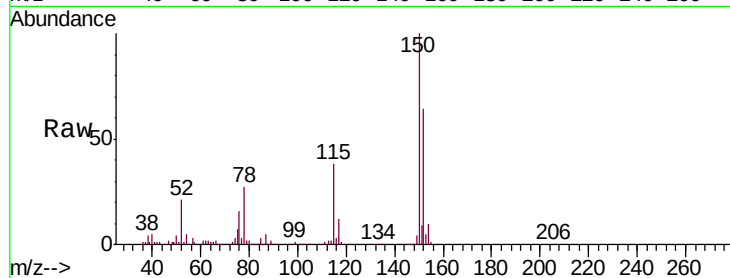
Tgt Ion: 152 Resp: 75755

Ion Ratio Lower Upper

152 100

115 59.8 28.8 86.4

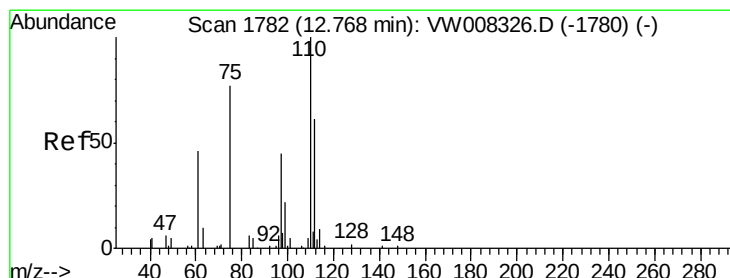
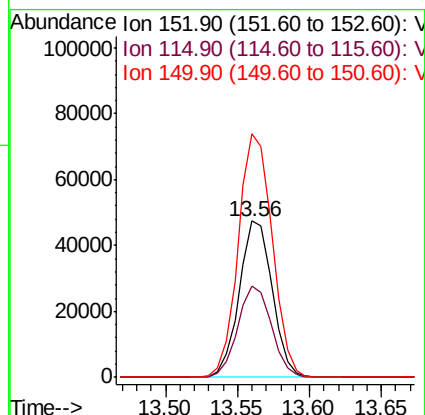
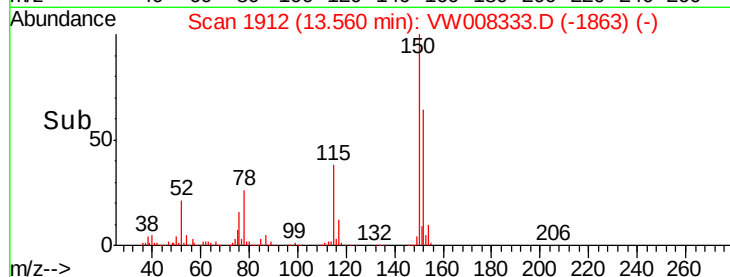
150 159.9 0.0 351.4



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: 53.644 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008333.D

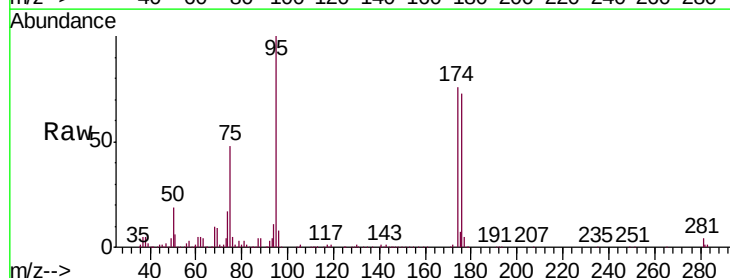
Acq: 17 Jan 2019 17:31

Tgt Ion: 75 Resp: 37007

Ion Ratio Lower Upper

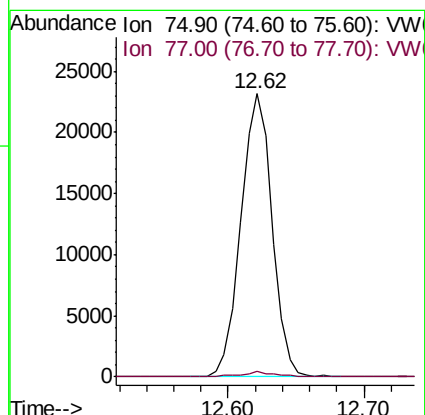
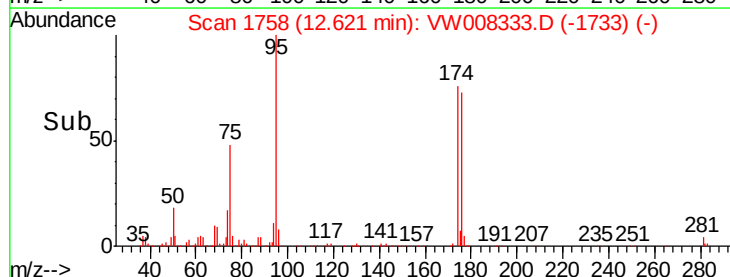
75 100

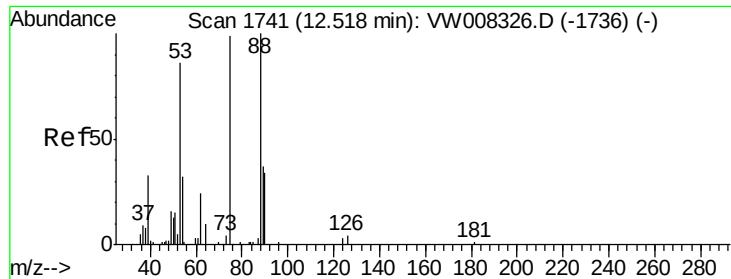
77 1.8 175.3 526.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

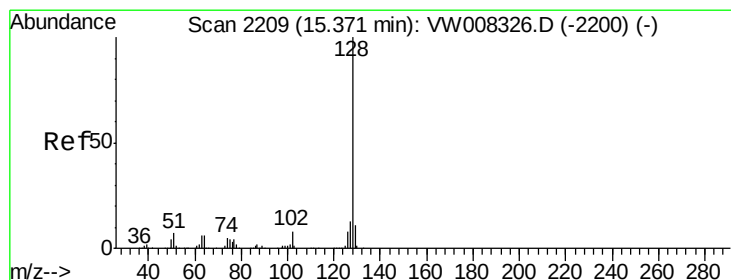
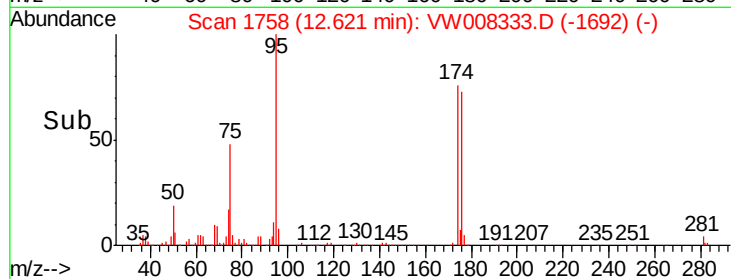
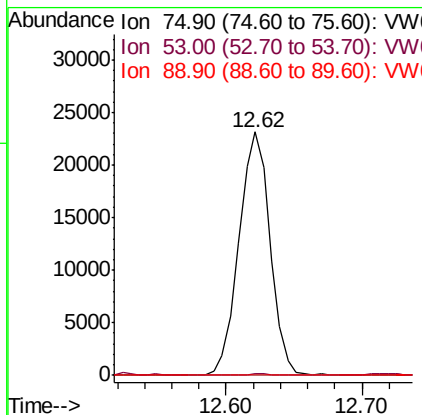
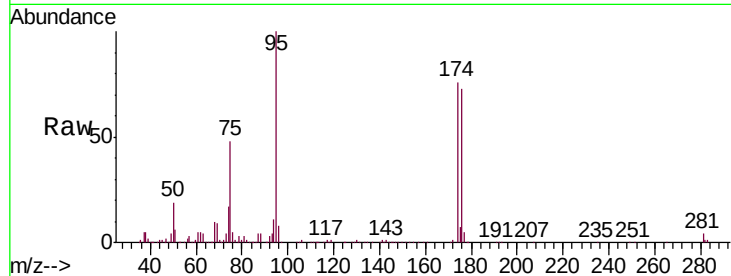




#81
trans-1,4-Dichloro-2-butene
Concen: 128.017 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW008333.D
Acq: 17 Jan 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
SITE4-01

Tgt Ion: 75 Resp: 37007
Ion Ratio Lower Upper
75 100
53 0.7 76.2 114.4#
89 0.1 36.7 55.1#



#95
Naphthalene
Concen: 8.424 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008333.D
Acq: 17 Jan 2019 17:31

Tgt Ion: 128 Resp: 18588
Ion Ratio Lower Upper
128 100
127 14.7 10.5 15.7
129 12.0 8.8 13.2

