

Data File : VW008337.D
Acq On : 17 Jan 2019 19:18
Operator : SY/VA
Sample : K1191-06
Misc : 11.67G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SITE4-05

Quant Time: Jan 18 01:09:53 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	97697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	168028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	166138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	77451	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	59711	58.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.50%	
35) Dibromofluoromethane	7.88	113	53276	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	10.32	98	215421	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.62	95	77214	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	

Target Compounds

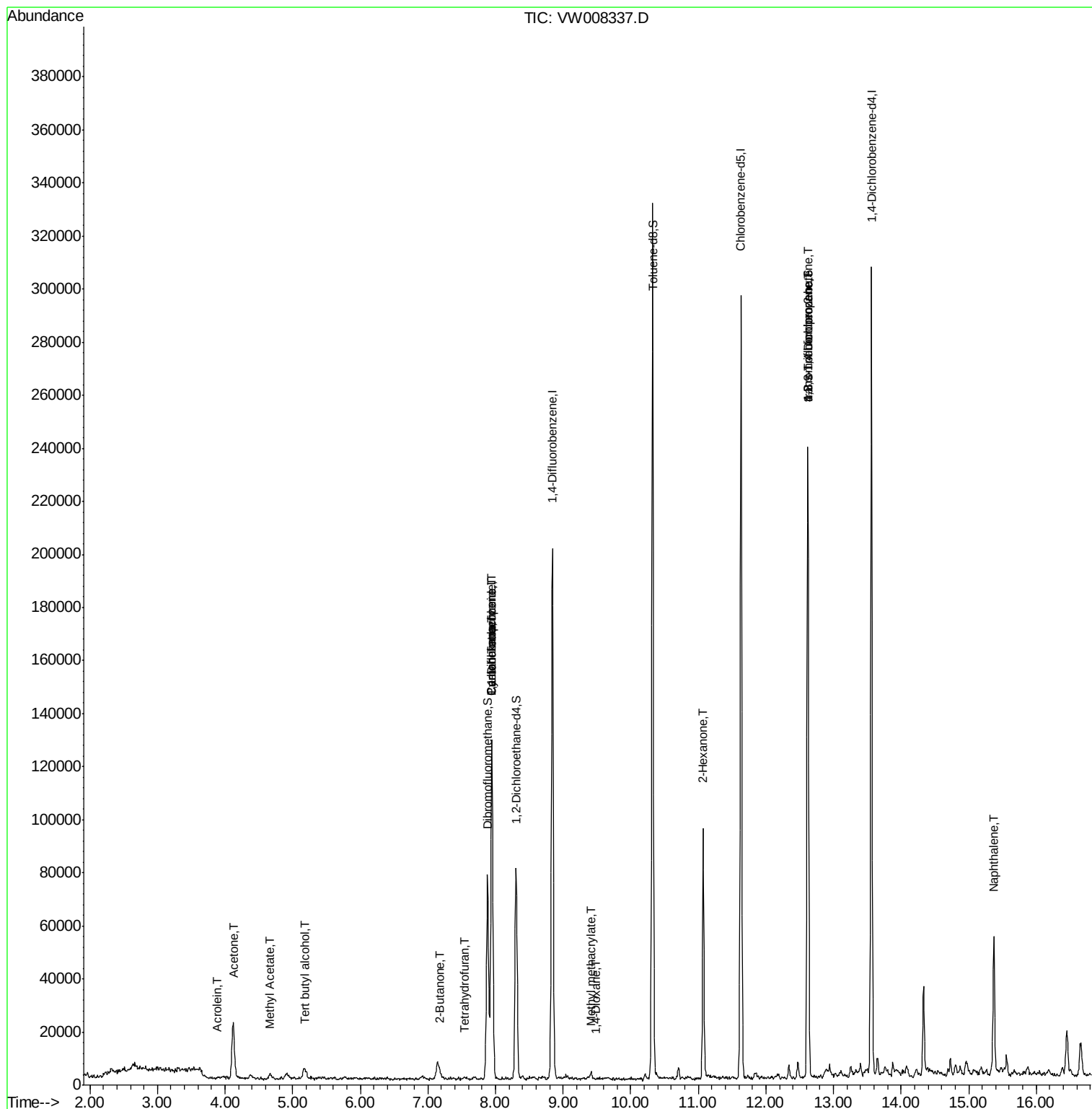
						Qvalue
11) Tert butyl alcohol	5.18	59	7142	104.376	ug/l #	94
13) Acrolein	3.89	56	434	13.704	ug/l #	62
16) Acetone	4.12	43	38008	161.040	ug/l	100
18) Methyl Acetate	4.67	43	3538	5.612	ug/l #	86
20) Methylene Chloride	4.89	84	646	Below Cal	#	50
25) 2-Butanone	7.18	43	2732	9.038	ug/l #	84
29) Tetrahydrofuran	7.55	42	527	2.796	ug/l #	71
31) Cyclohexane	7.95	56	2356	1.241	ug/l #	17
36) 1,1-Dichloropropene	7.94	75	7753	4.586	ug/l #	51
38) Carbon Tetrachloride	7.95	117	10009	5.996	ug/l #	19
48) Methyl methacrylate	9.41	41	1223	1.973	ug/l #	44
49) 1,4-Dioxane	9.49	88	55	5.511	ug/l #	14
59) 2-Hexanone	11.07	43	14936	31.970	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	38401	54.445	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	38401	129.930	ug/l #	12
95) Naphthalene	15.38	128	45399	16.889	ug/l	99

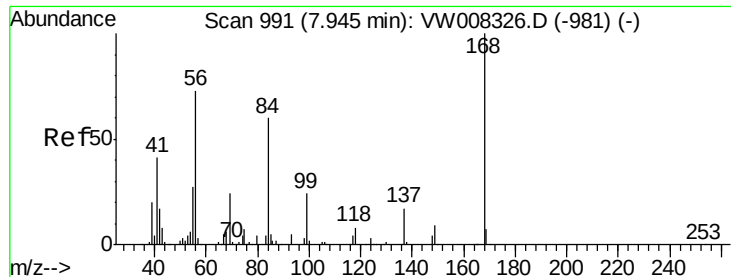
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008337.D

Acq: 17 Jan 2019 19:18

Instrument :

MSVOA_W

ClientSampleId :

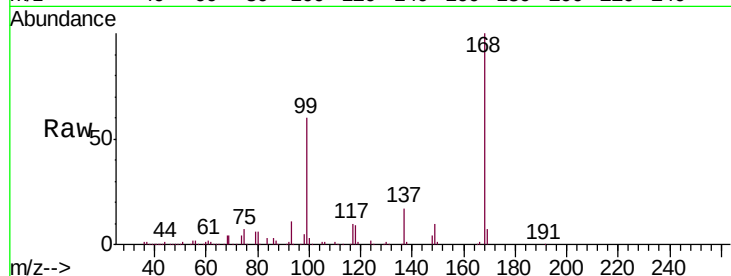
SITE4-05

Tgt Ion:168 Resp: 97697

Ion Ratio Lower Upper

168 100

99 59.7 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

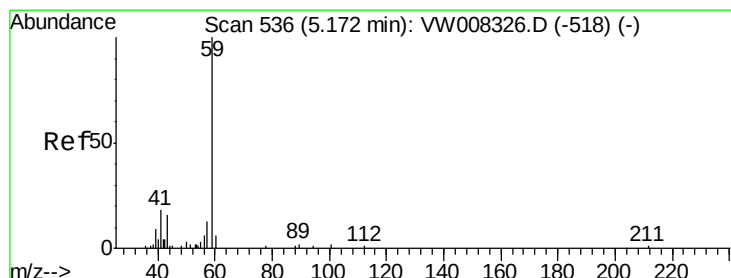
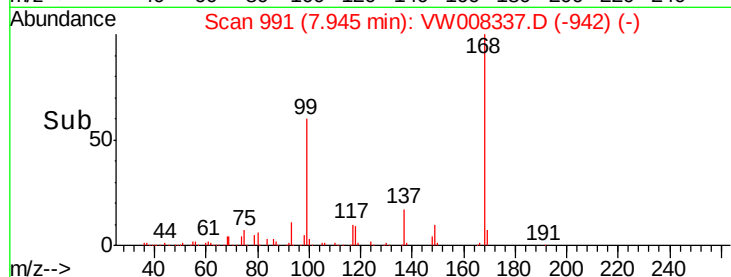
20000

10000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 104.376 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW008337.D

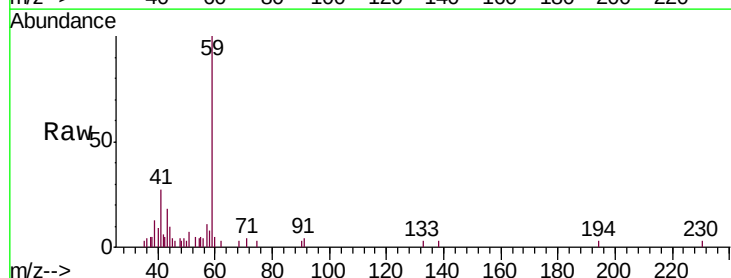
Acq: 17 Jan 2019 19:18

Tgt Ion: 59 Resp: 7142

Ion Ratio Lower Upper

59 100

57 14.3 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

2000

1500

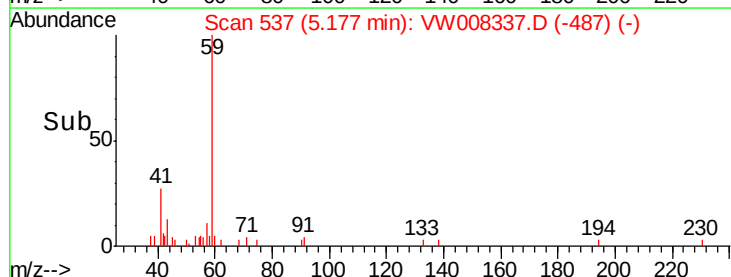
1000

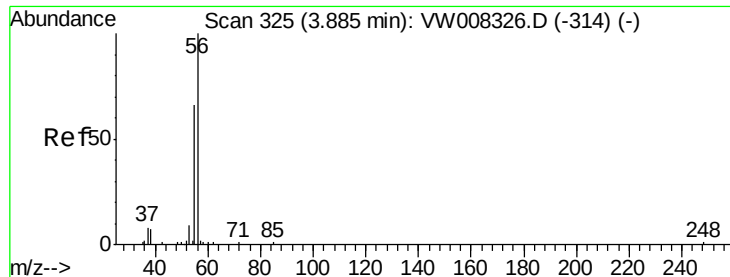
500

0

5.10 5.20 5.30

Time-->





#13

Acrolein

Concen: 13.704 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008337.D

Acq: 17 Jan 2019 19:18

Instrument :

MSVOA_W

ClientSampleId :

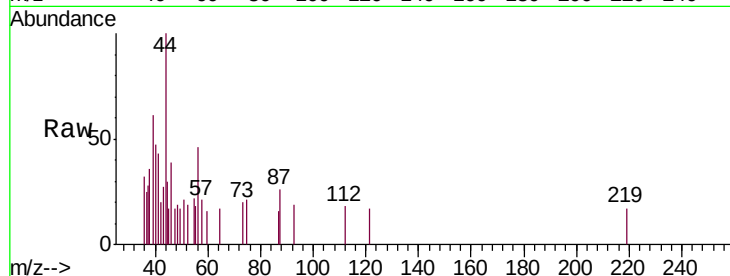
SITE4-05

Tgt Ion: 56 Resp: 434

Ion Ratio Lower Upper

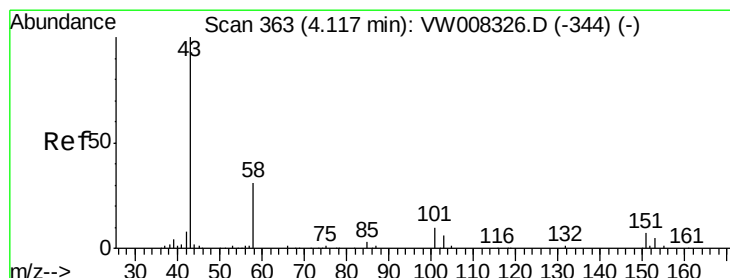
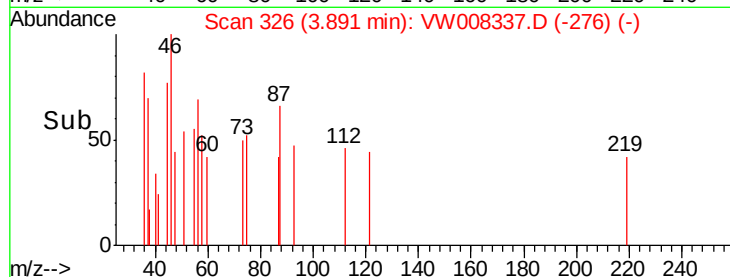
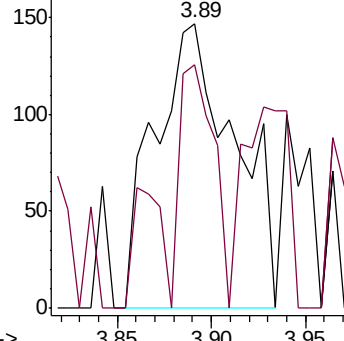
56 100

55 36.2 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: 161.040 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008337.D

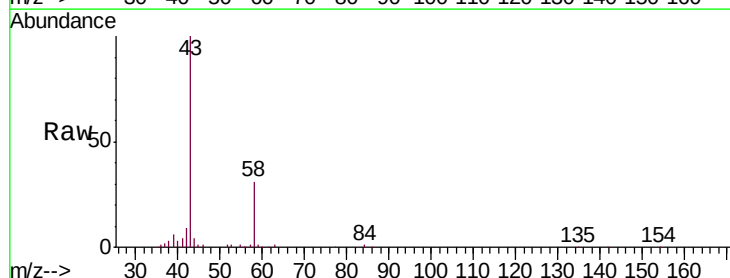
Acq: 17 Jan 2019 19:18

Tgt Ion: 43 Resp: 38008

Ion Ratio Lower Upper

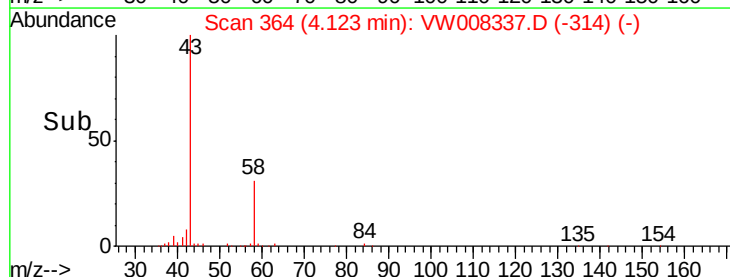
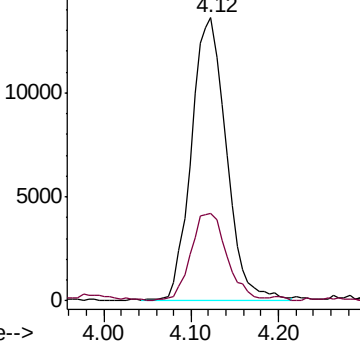
43 100

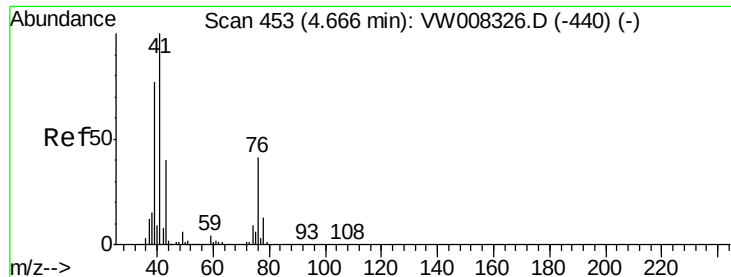
58 30.8 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

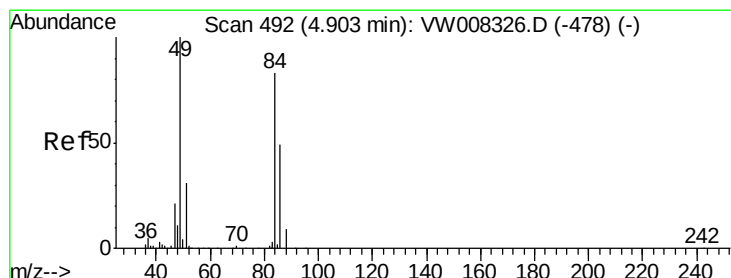
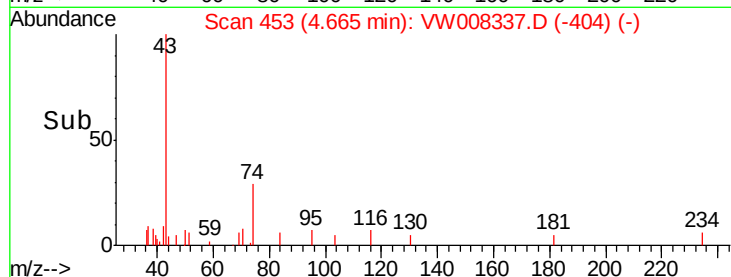
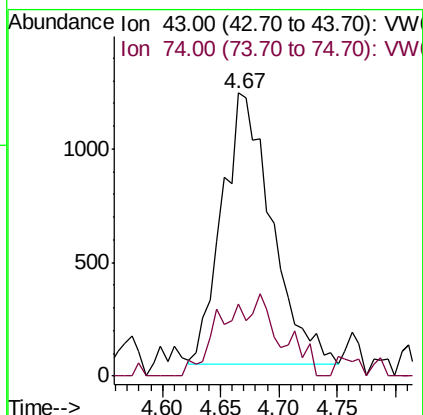
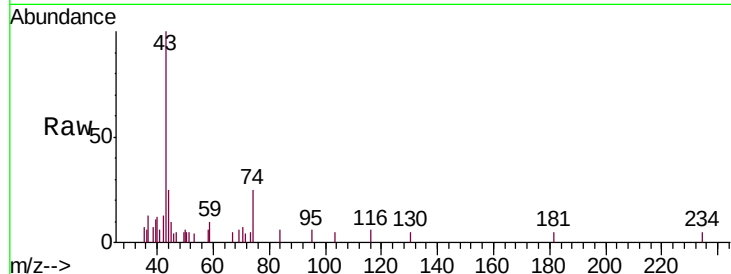




#18
Methyl Acetate
Concen: 5.612 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW008337.D
Acq: 17 Jan 2019 19:18

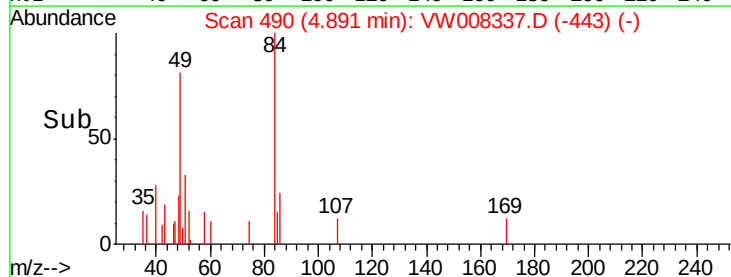
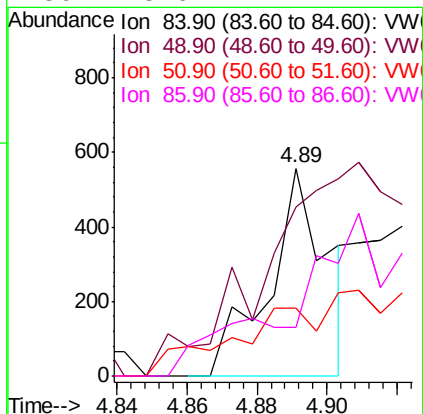
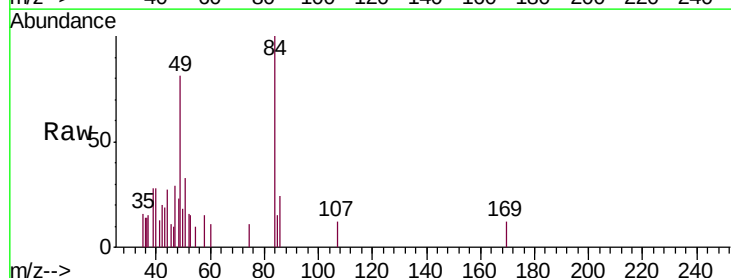
Instrument :
MSVOA_W
ClientSampleId :
SITE4-05

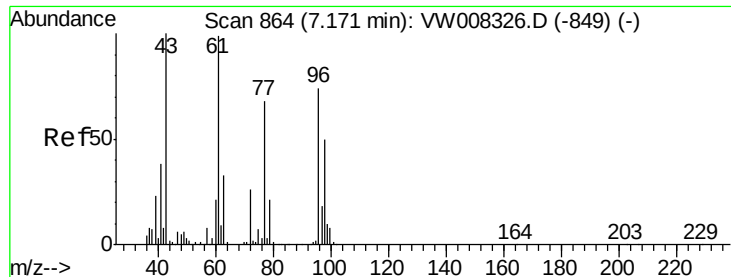
Tgt Ion: 43 Resp: 3538
Ion Ratio Lower Upper
43 100
74 17.5 19.4 29.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.89 min Scan# 490
Delta R.T. -0.01 min
Lab File: VW008337.D
Acq: 17 Jan 2019 19:18

Tgt Ion: 84 Resp: 646
Ion Ratio Lower Upper
84 100
49 67.0 95.9 143.9#
51 18.5 29.3 43.9#
86 8.6 47.4 71.2#





#25

2-Butanone

Concen: 9.038 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008337.D

Acq: 17 Jan 2019 19:18

Instrument :

MSVOA_W

ClientSampled :

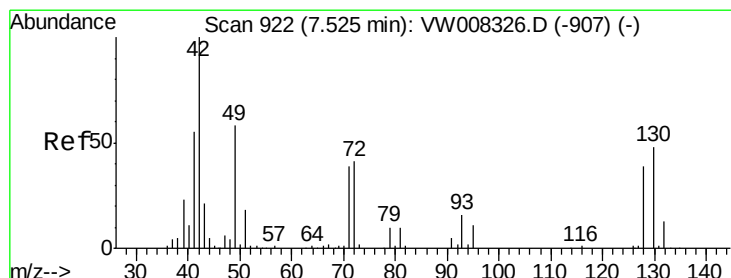
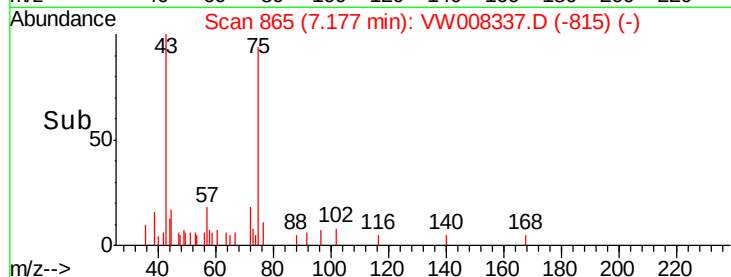
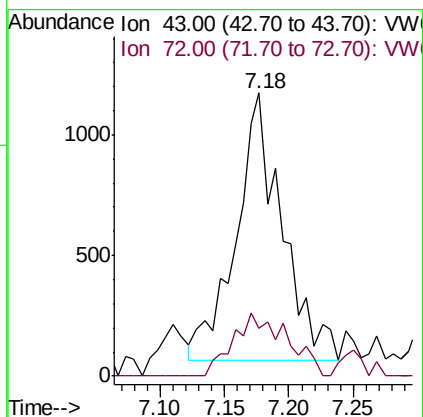
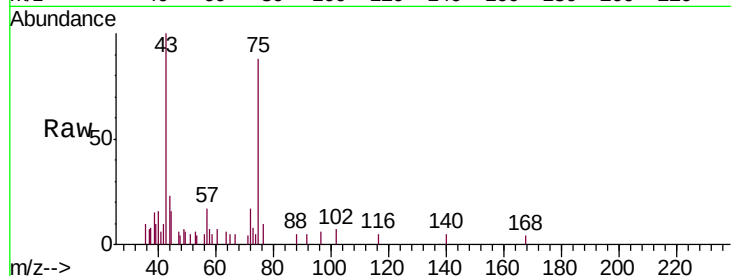
SITE4-05

Tgt Ion: 43 Resp: 2732

Ion Ratio Lower Upper

43 100

72 18.1 21.2 31.8#



#29

Tetrahydrofuran

Concen: 2.796 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW008337.D

Acq: 17 Jan 2019 19:18

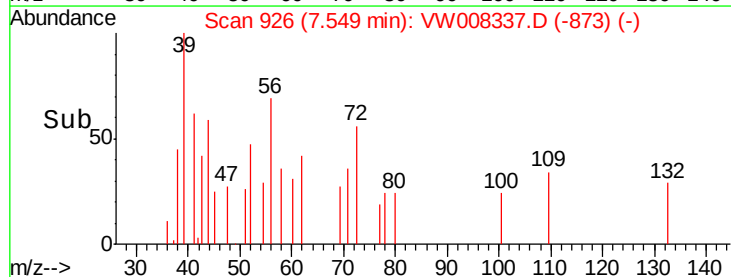
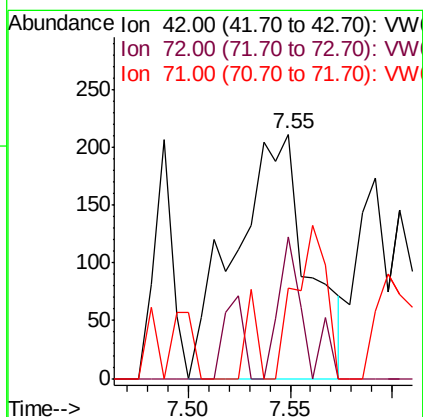
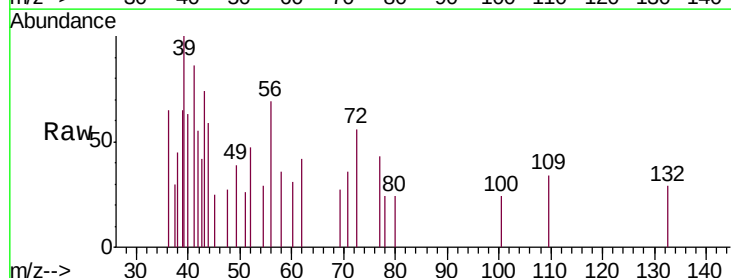
Tgt Ion: 42 Resp: 527

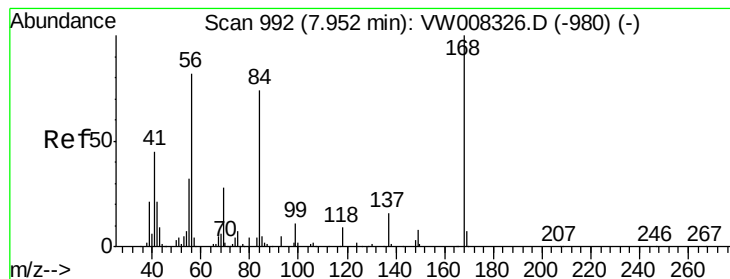
Ion Ratio Lower Upper

42 100

72 19.9 34.0 51.0#

71 26.6 32.0 48.0#





#31

Cyclohexane

Concen: 1.241 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008337.D

Acq: 17 Jan 2019 19:18

Instrument :

MSVOA_W

ClientSampled :

SITE4-05

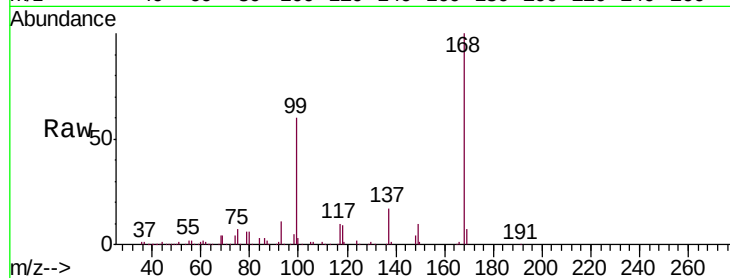
Tgt Ion: 56 Resp: 2356

Ion Ratio Lower Upper

56 100

69 156.8 27.0 40.6#

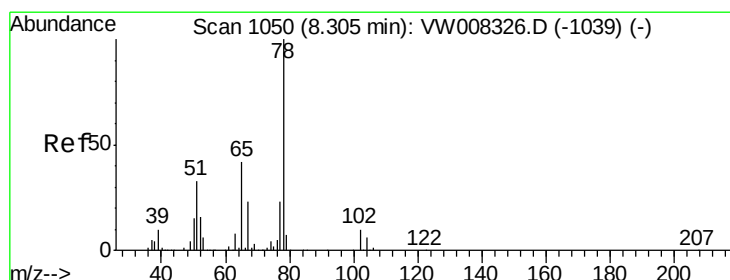
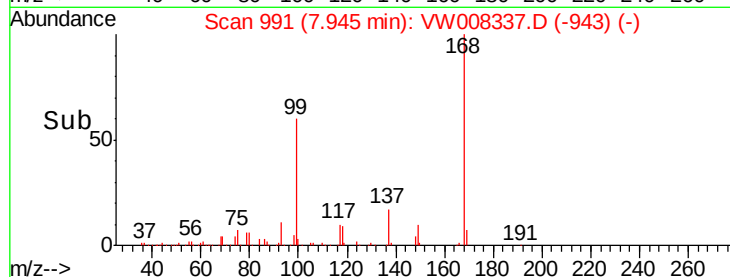
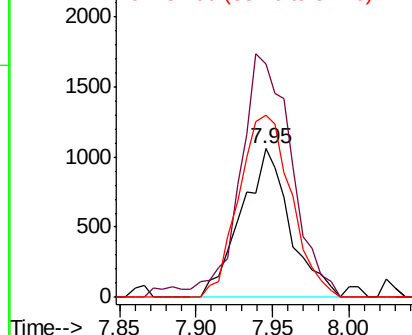
84 122.6 72.5 108.7#



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: 58.755 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008337.D

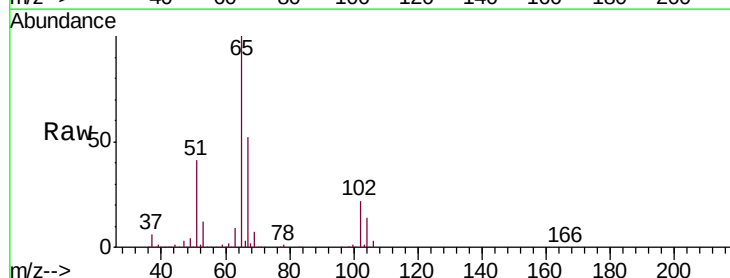
Acq: 17 Jan 2019 19:18

Tgt Ion: 65 Resp: 59711

Ion Ratio Lower Upper

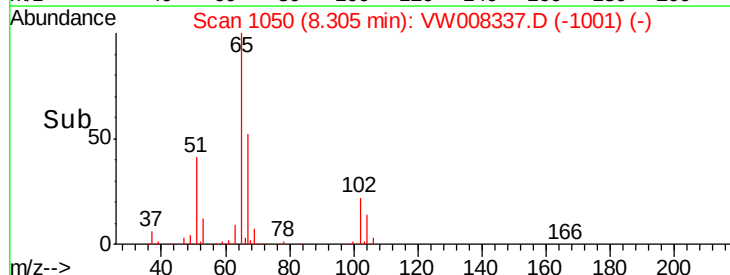
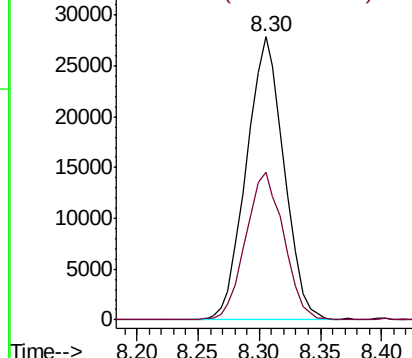
65 100

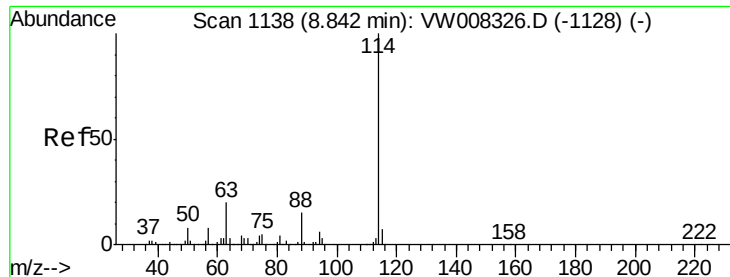
67 52.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

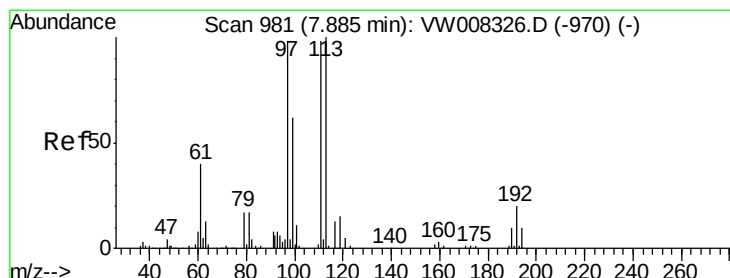
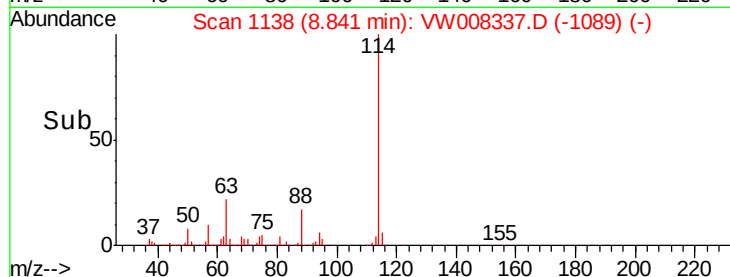
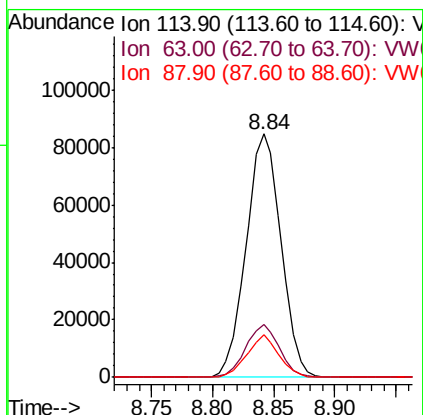
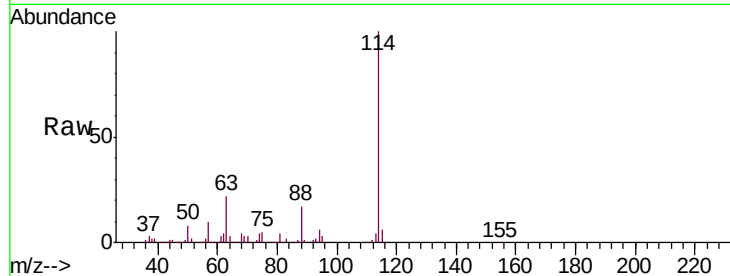




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008337.D
 Acq: 17 Jan 2019 19:18

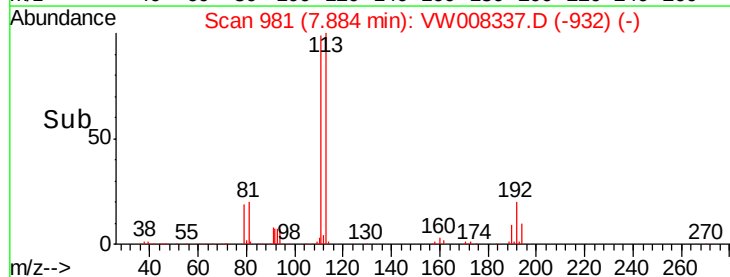
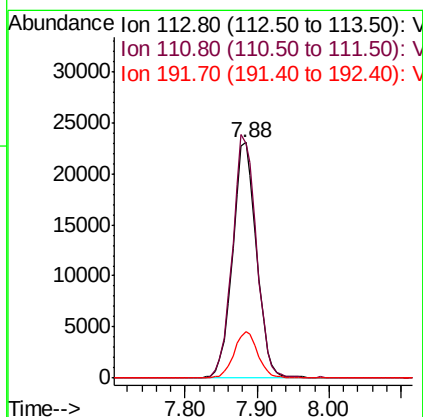
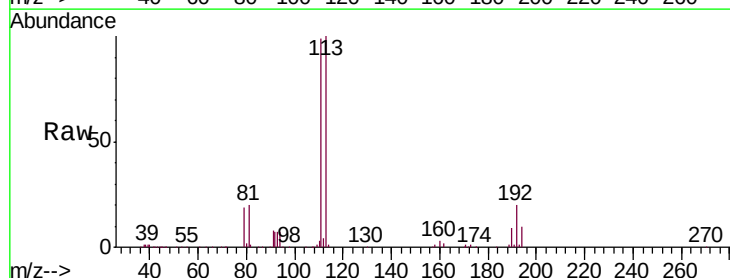
Instrument :
 MSVOA_W
 ClientSampled :
 SITE4-05

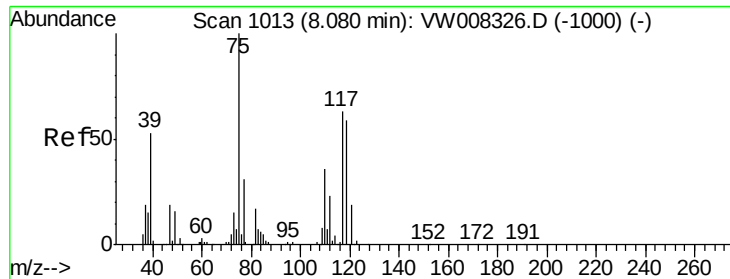
Tgt Ion:114 Resp: 168028
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 40.8
 88 17.4 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 49.671 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008337.D
 Acq: 17 Jan 2019 19:18

Tgt Ion:113 Resp: 53276
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.8 122.8
 192 19.6 16.3 24.5

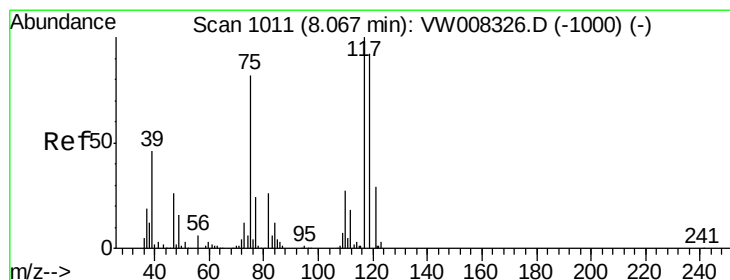
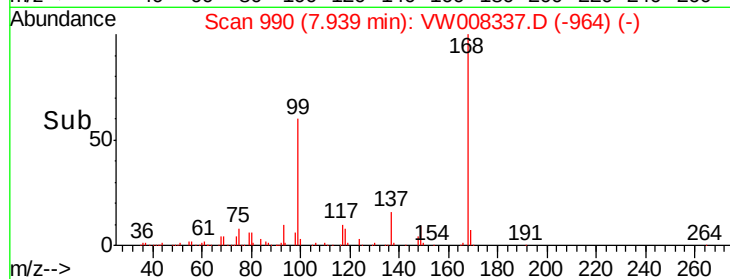
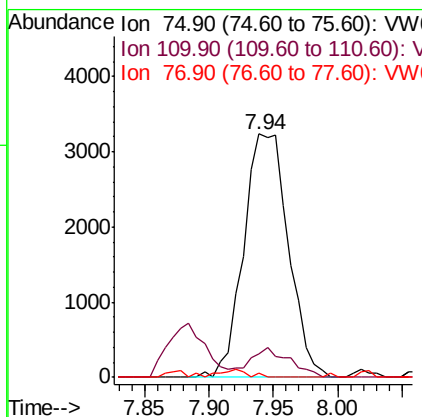
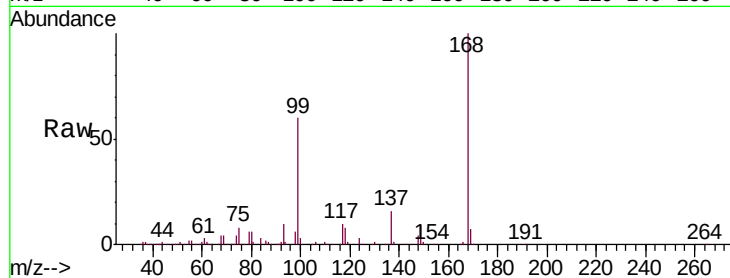




#36
 1,1-Dichloropropene
 Concen: 4.586 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008337.D
 Acq: 17 Jan 2019 19:18

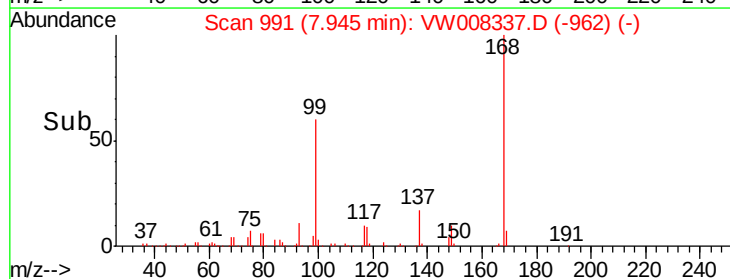
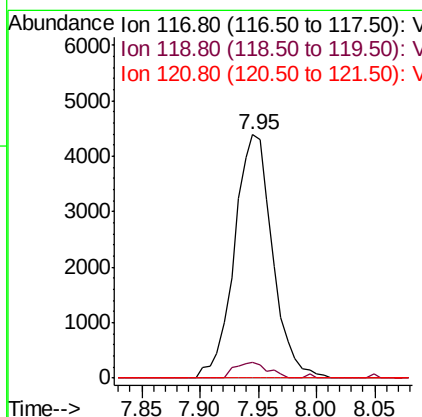
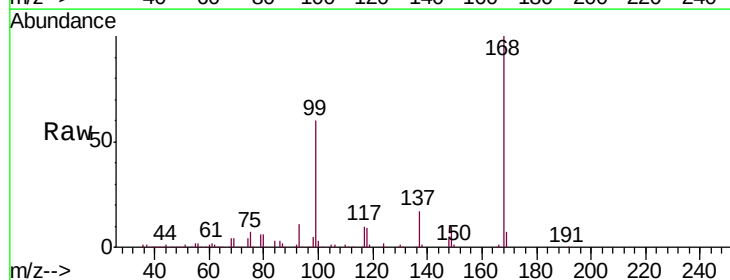
Instrument :
 MSVOA_W
 ClientSampleId :
 SITE4-05

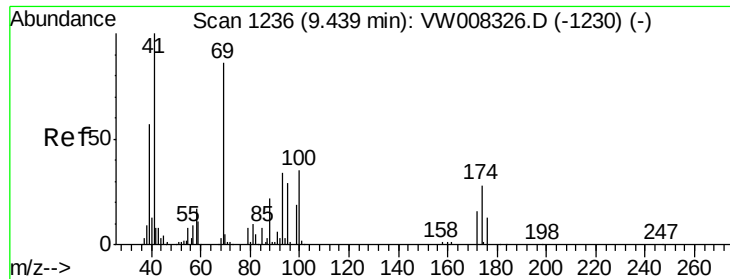
Tgt Ion: 75 Resp: 7753
 Ion Ratio Lower Upper
 75 100
 110 11.1 17.5 52.6#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.996 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008337.D
 Acq: 17 Jan 2019 19:18

Tgt Ion: 117 Resp: 10009
 Ion Ratio Lower Upper
 117 100
 119 6.4 73.8 110.6#
 121 0.0 23.4 35.0#

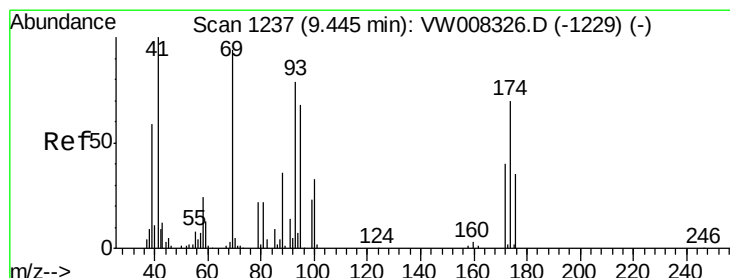
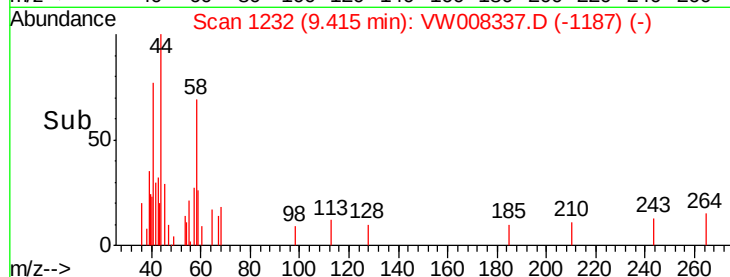
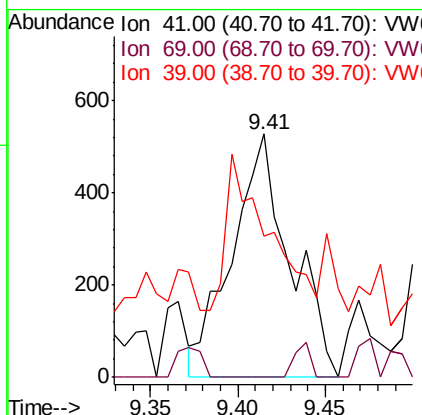
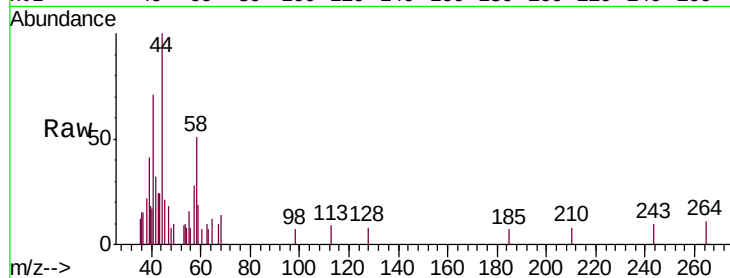




#48
Methyl methacrylate
Concen: 1.973 ug/l
RT: 9.41 min Scan# 1232
Delta R.T. -0.02 min
Lab File: VW008337.D
Acq: 17 Jan 2019 19:18

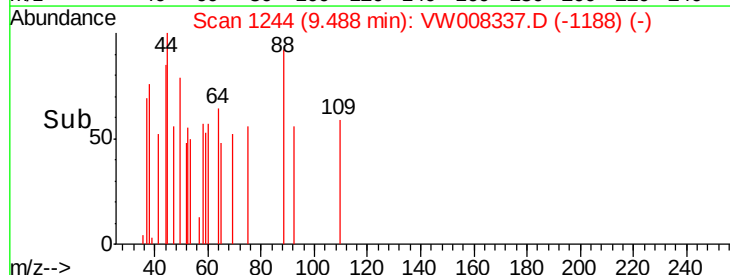
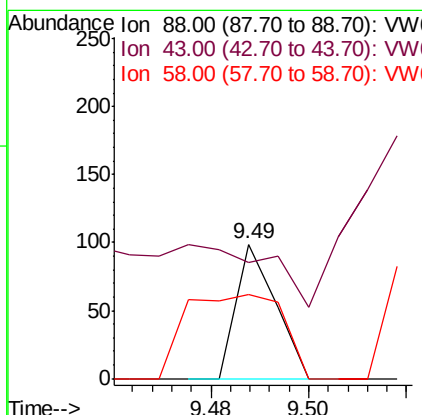
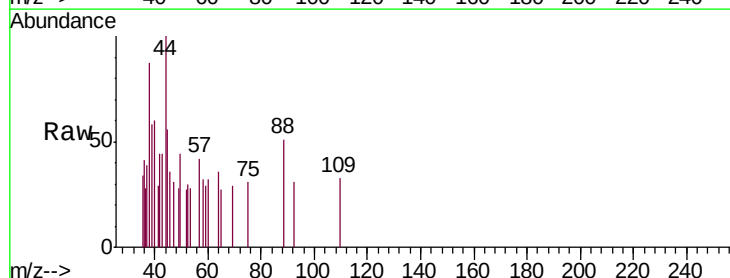
Instrument :
MSVOA_W
ClientSampled :
SITE4-05

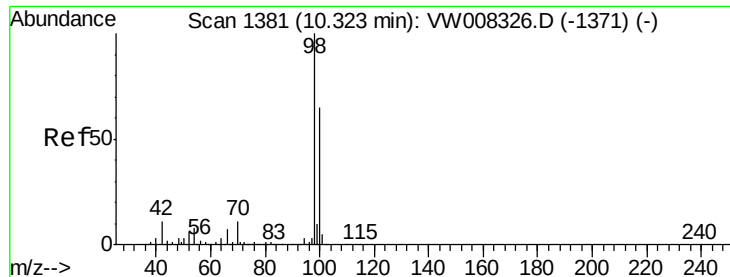
Tgt Ion: 41 Resp: 1223
Ion Ratio Lower Upper
41 100
69 0.0 68.2 102.4#
39 58.7 46.0 69.0



#49
1,4-Dioxane
Concen: 5.511 ug/l
RT: 9.49 min Scan# 1244
Delta R.T. 0.04 min
Lab File: VW008337.D
Acq: 17 Jan 2019 19:18

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 27.1 40.7#
58 154.5 57.9 86.9#





#50

Toluene-d8

Concen: 51.124 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008337.D

Acq: 17 Jan 2019 19:18

Instrument :

MSVOA_W

ClientSampled :

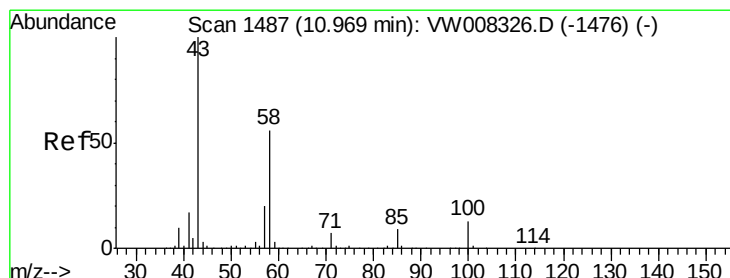
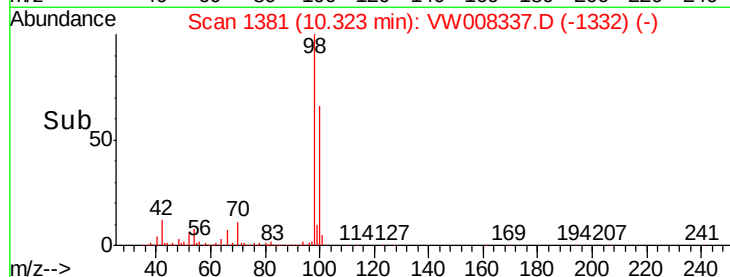
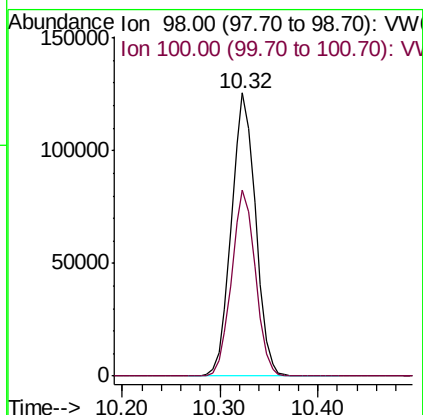
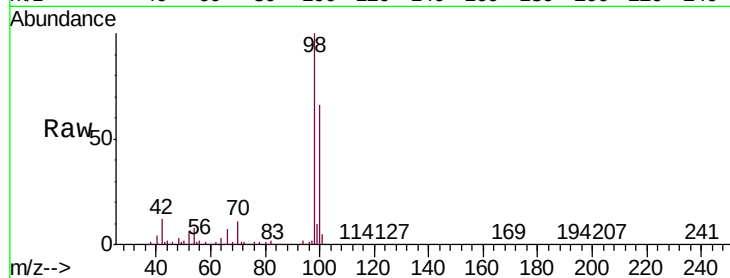
SITE4-05

Tgt Ion: 98 Resp: 215421

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.8



#59

2-Hexanone

Concen: 31.970 ug/l

RT: 11.07 min Scan# 1504

Delta R.T. 0.10 min

Lab File: VW008337.D

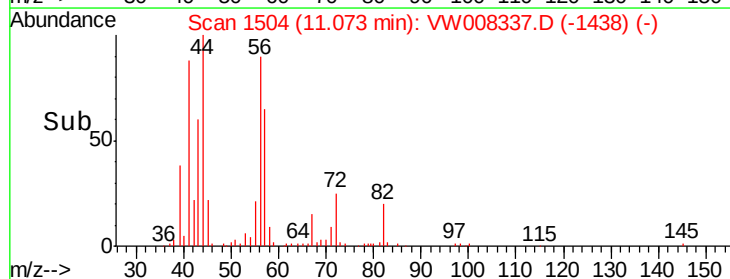
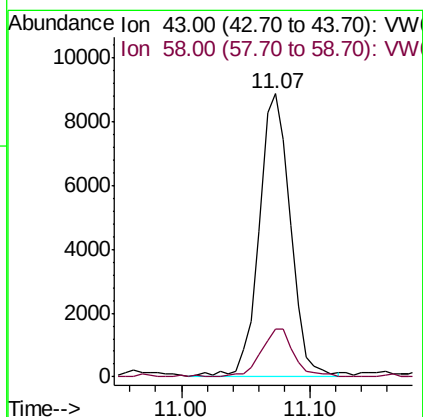
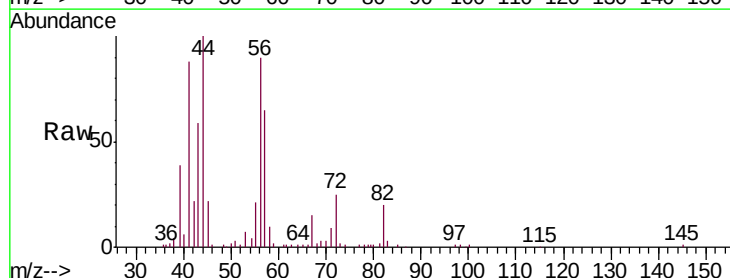
Acq: 17 Jan 2019 19:18

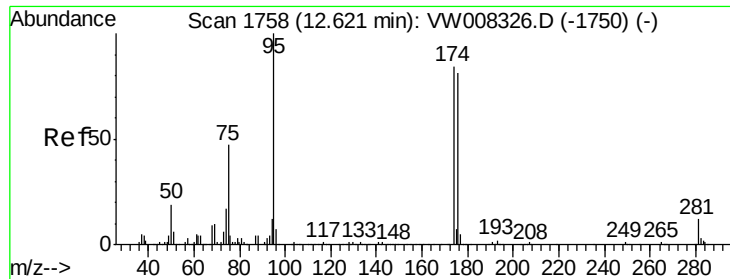
Tgt Ion: 43 Resp: 14936

Ion Ratio Lower Upper

43 100

58 17.9 27.5 82.5#

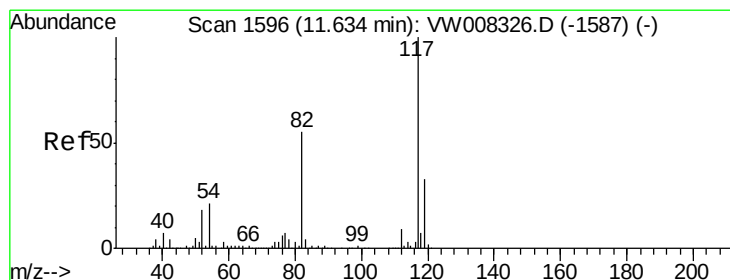
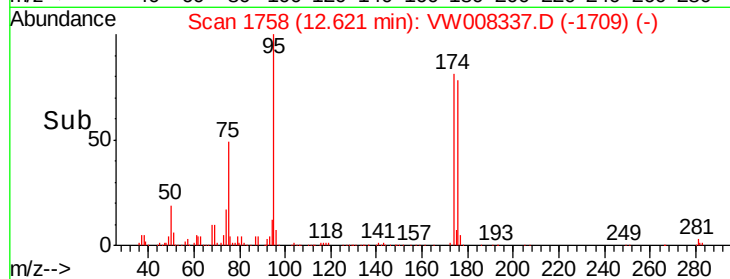
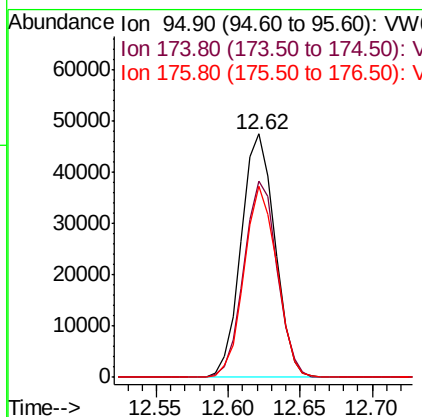
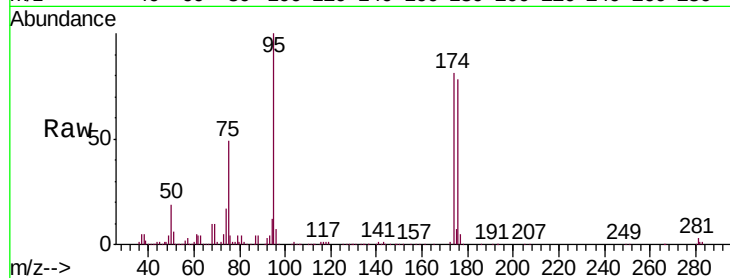




#62
4-Bromofluorobenzene
Concen: 51.093 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008337.D
Acq: 17 Jan 2019 19:18

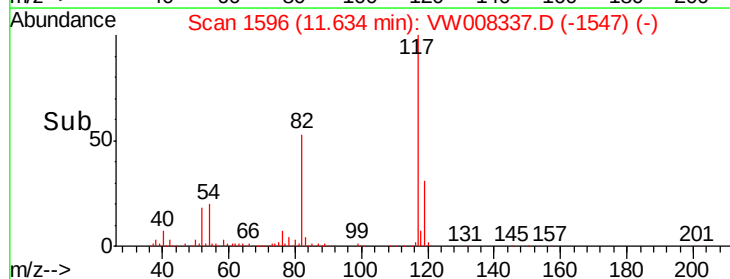
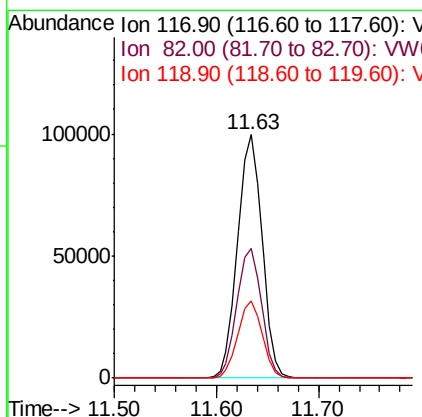
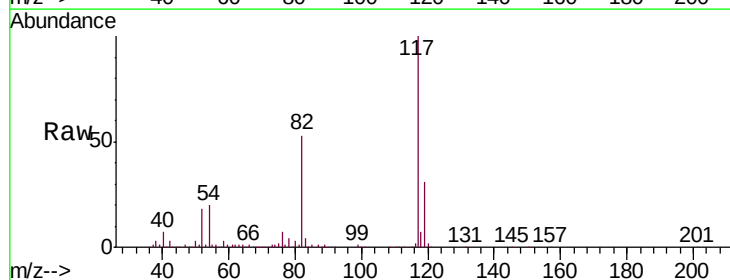
Instrument :
MSVOA_W
ClientSampleId :
SITE4-05

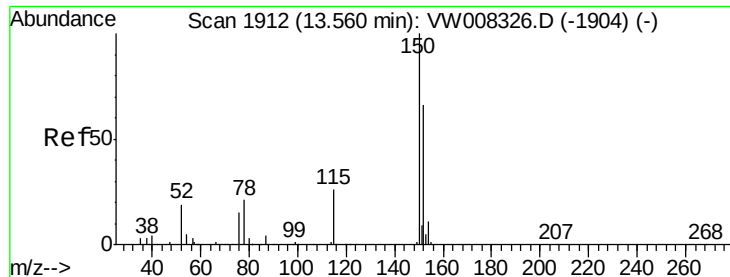
Tgt Ion: 95 Resp: 77214
Ion Ratio Lower Upper
95 100
174 79.4 0.0 166.0
176 76.0 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008337.D
Acq: 17 Jan 2019 19:18

Tgt Ion: 117 Resp: 166138
Ion Ratio Lower Upper
117 100
82 53.4 44.3 66.5
119 31.5 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008337.D

Acq: 17 Jan 2019 19:18

Instrument :

MSVOA_W

ClientSampleId :

SITE4-05

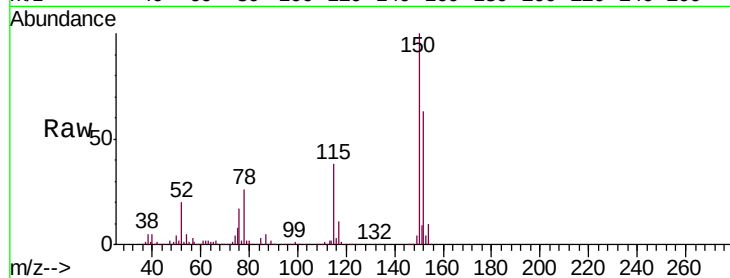
Tgt Ion:152 Resp: 77451

Ion Ratio Lower Upper

152 100

115 59.3 28.8 86.4

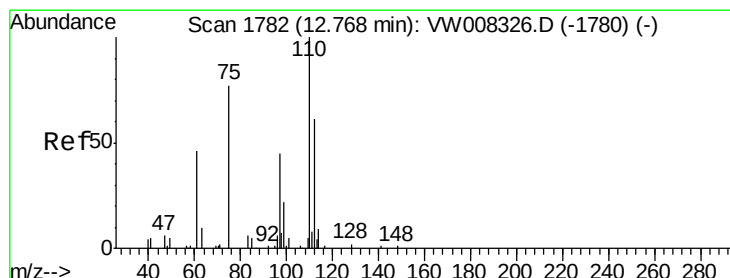
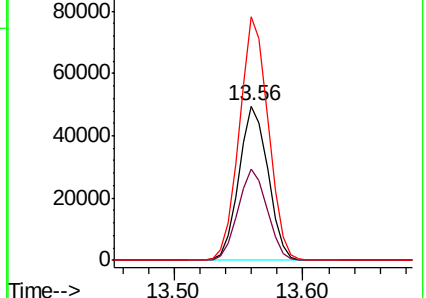
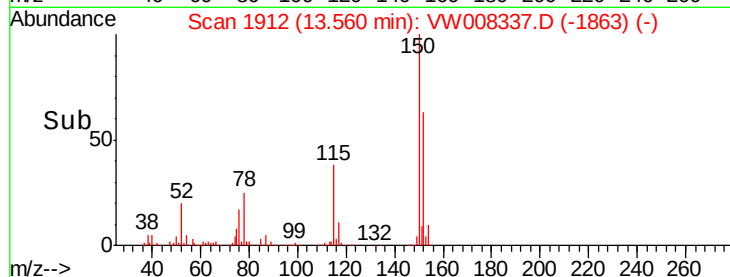
150 156.1 0.0 351.4



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: 54.445 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008337.D

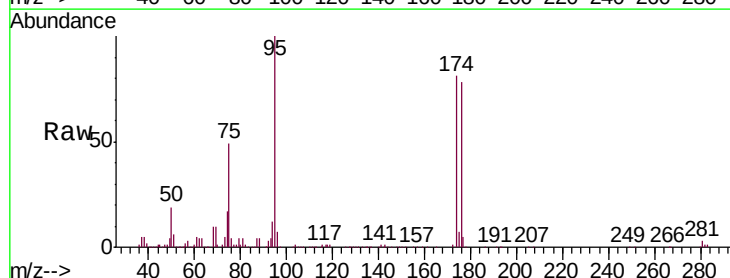
Acq: 17 Jan 2019 19:18

Tgt Ion: 75 Resp: 38401

Ion Ratio Lower Upper

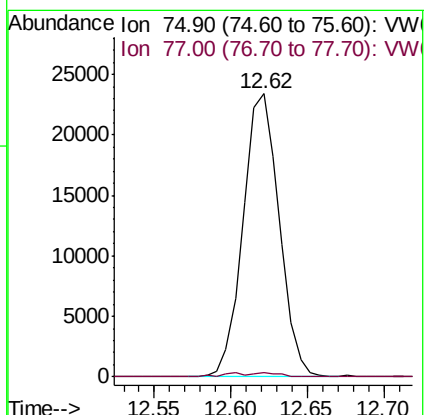
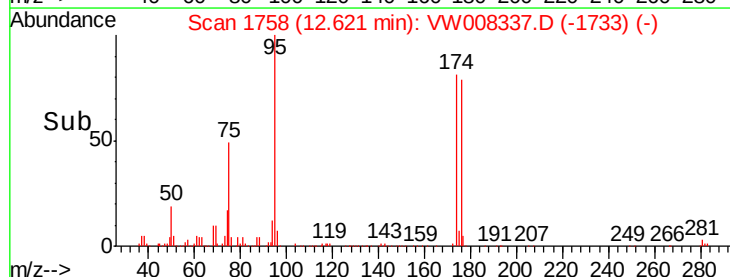
75 100

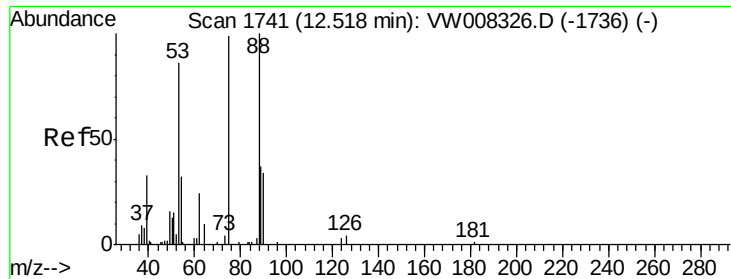
77 1.1 175.3 526.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

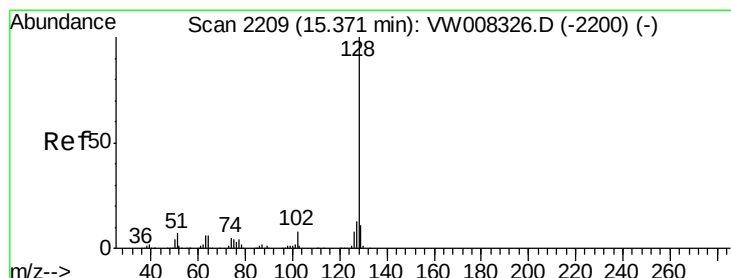
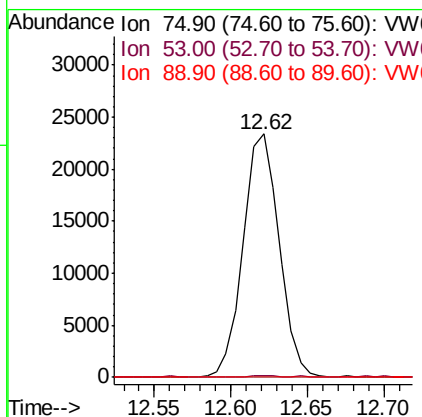
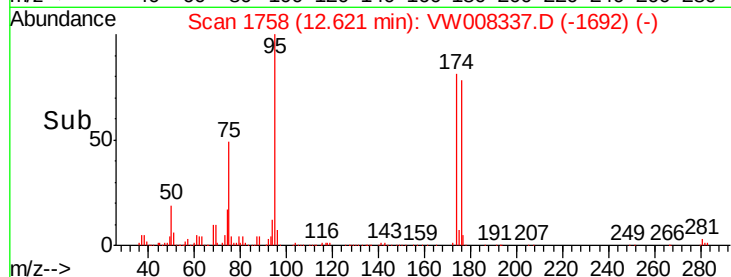
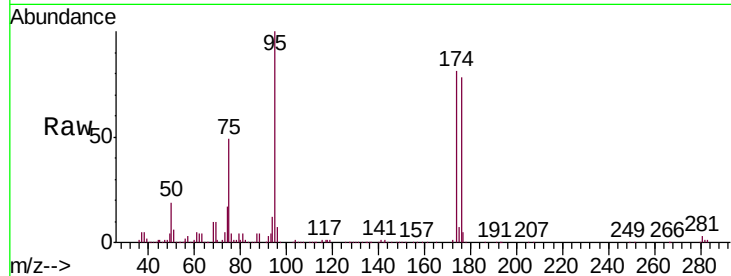




#81
trans-1,4-Dichloro-2-butene
Concen: 129.930 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW008337.D
Acq: 17 Jan 2019 19:18

Instrument :
MSVOA_W
ClientSampleId :
SITE4-05

Tgt Ion: 75 Resp: 38401
Ion Ratio Lower Upper
75 100
53 0.7 76.2 114.4#
89 0.1 36.7 55.1#



#95
Naphthalene
Concen: 16.889 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW008337.D
Acq: 17 Jan 2019 19:18

Tgt Ion: 128 Resp: 45399
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 11.6 8.8 13.2

