

Data File : VW008335.D
Acq On : 17 Jan 2019 18:25
Operator : SY/VA
Sample : K1191-03
Misc : 11.44G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SITE4-03

Quant Time: Jan 18 01:09:06 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	95392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	170534	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	157796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	75398	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	59113	59.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.14%	
35) Dibromofluoromethane	7.88	113	52648	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
50) Toluene-d8	10.32	98	209607	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.62	95	76521	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	

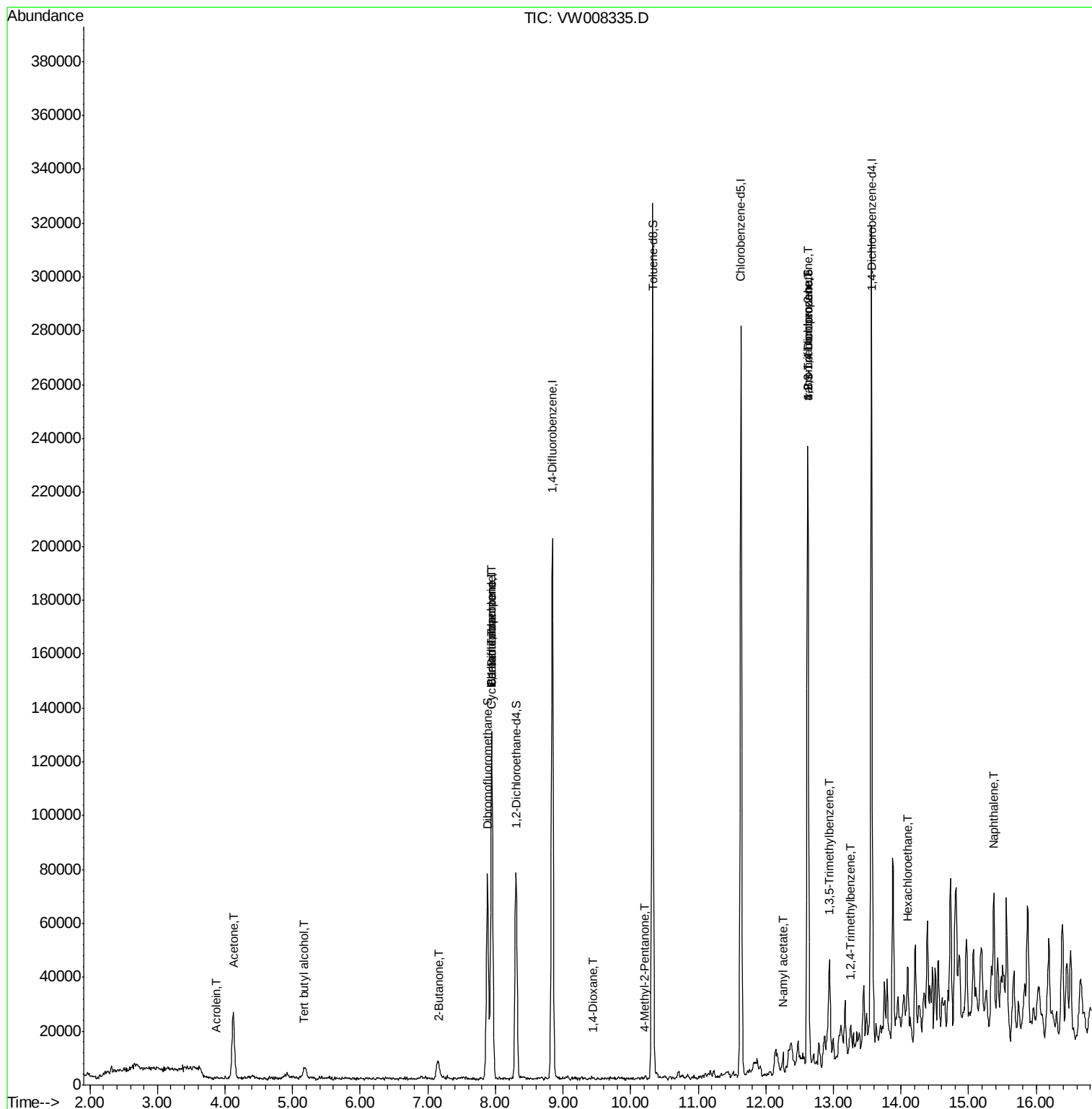
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.17	59	8933	133.704	ug/l #	93
13) Acrolein	3.87	56	102	9.198	ug/l #	1
16) Acetone	4.12	43	42447	184.194	ug/l	99
20) Methylene Chloride	4.91	84	1610	Below Cal	#	71
25) 2-Butanone	7.17	43	2965	10.045	ug/l #	61
31) Cyclohexane	7.93	56	2346	1.266	ug/l #	8
36) 1,1-Dichloropropene	7.95	75	7441	4.337	ug/l #	52
38) Carbon Tetrachloride	7.95	117	9911	5.850	ug/l #	18
49) 1,4-Dioxane	9.44	88	110	10.860	ug/l #	22
51) 4-Methyl-2-Pentanone	10.21	43	1269	1.875	ug/l	96
74) N-amyl acetate	12.25	43	1548	1.315	ug/l #	74
76) 1,2,3-Trichloropropane	12.62	75	37199	54.177	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	7151	1.560	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	37199	129.290	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.25	105	6298	1.349	ug/l	99
90) Hexachloroethane	14.10	117	1593	1.701	ug/l #	10
95) Naphthalene	15.37	128	38012	14.852	ug/l #	95

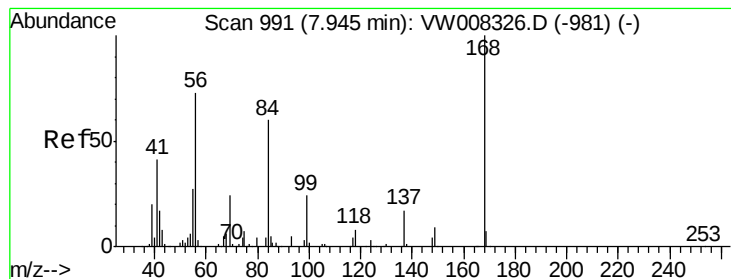
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW008335.D
Acq On : 17 Jan 2019 18:25
Operator : SY/VA
Sample : K1191-03
Misc : 11.44G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SITE4-03

Quant Time: Jan 18 01:09:06 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: VW008335.D

Acq: 17 Jan 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

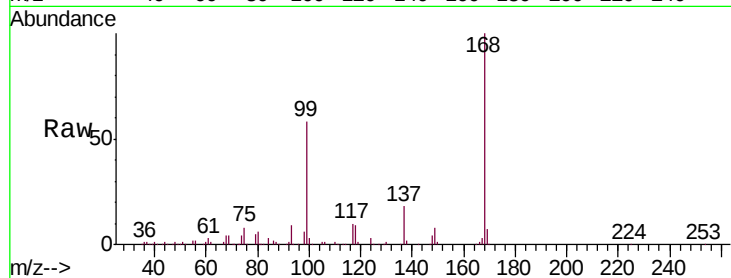
SITE4-03

Tgt Ion:168 Resp: 95392

Ion Ratio Lower Upper

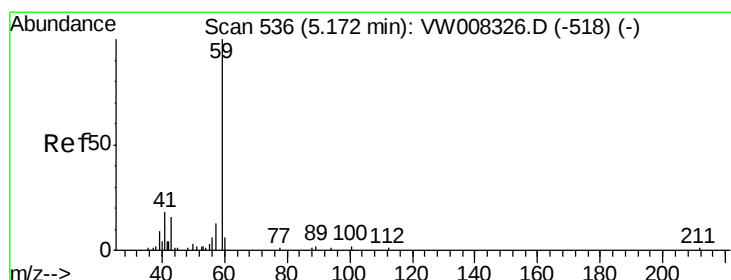
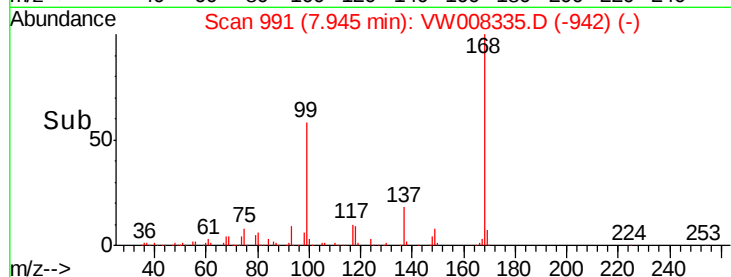
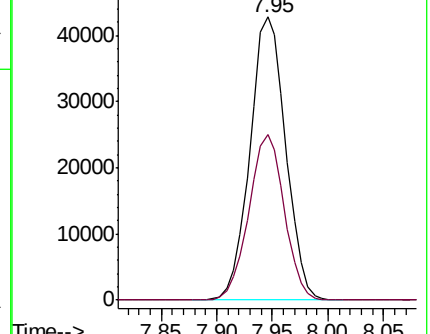
168 100

99 58.2 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: 133.704 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.00 min

Lab File: VW008335.D

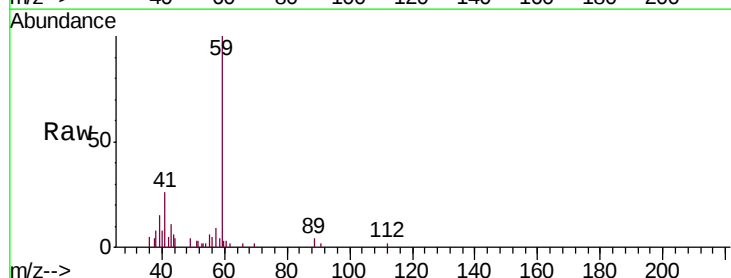
Acq: 17 Jan 2019 18:25

Tgt Ion: 59 Resp: 8933

Ion Ratio Lower Upper

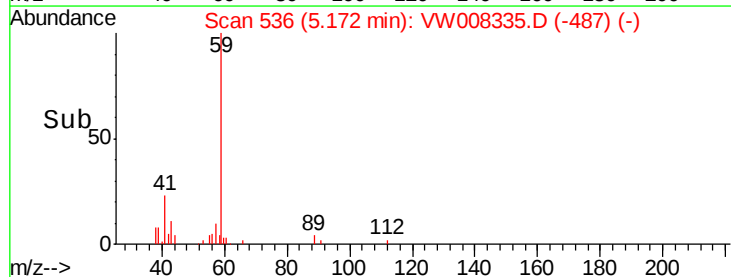
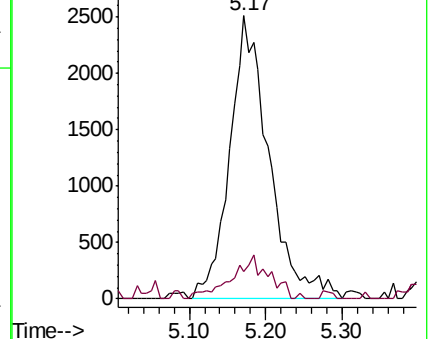
59 100

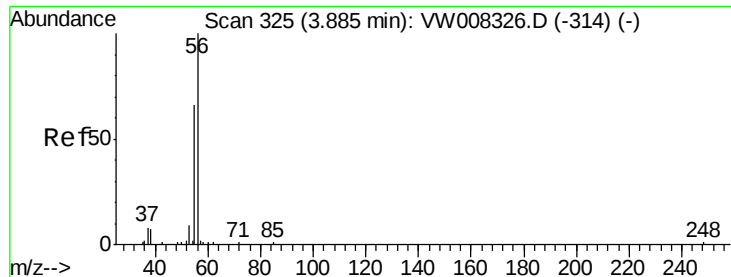
57 14.5 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 9.198 ug/l

RT: 3.87 min Scan# 323

Delta R.T. -0.01 min

Lab File: VW008335.D

Acq: 17 Jan 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

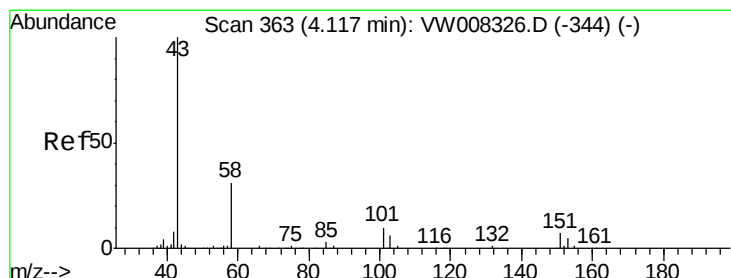
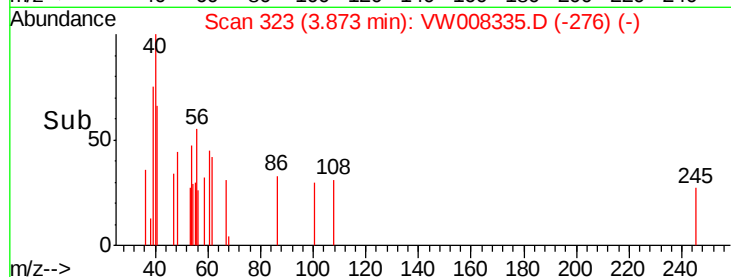
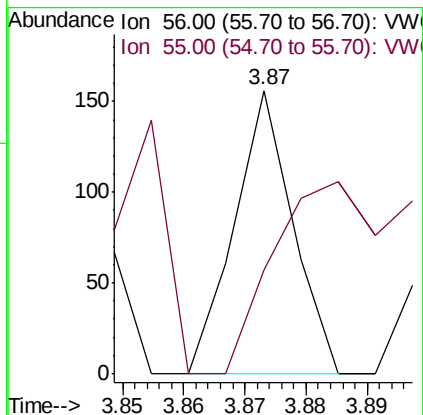
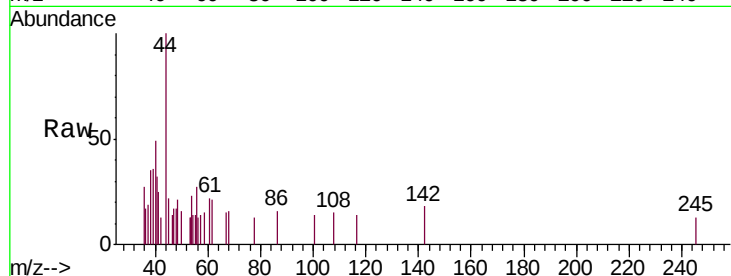
SITE4-03

Tgt Ion: 56 Resp: 102

Ion Ratio Lower Upper

56 100

55 154.9 52.9 79.3#



#16

Acetone

Concen: 184.194 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008335.D

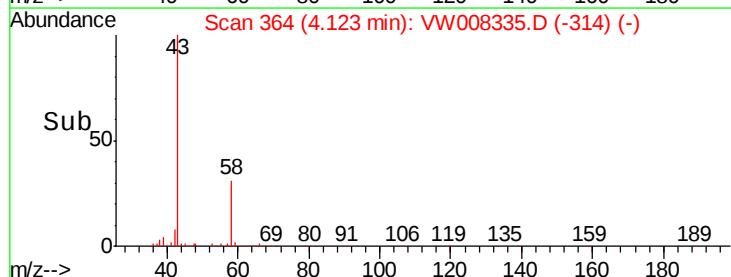
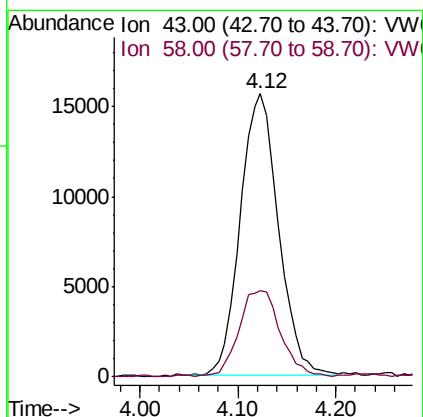
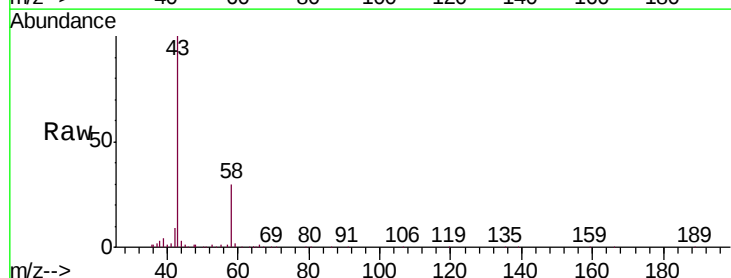
Acq: 17 Jan 2019 18:25

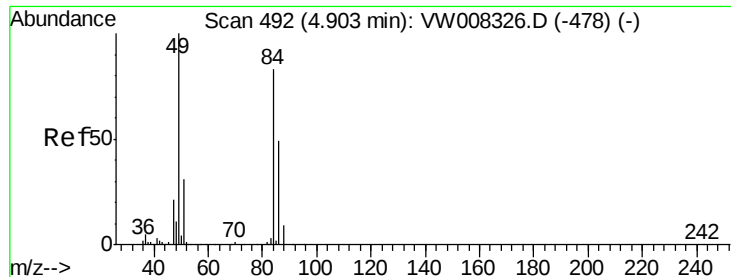
Tgt Ion: 43 Resp: 42447

Ion Ratio Lower Upper

43 100

58 30.2 24.7 37.1

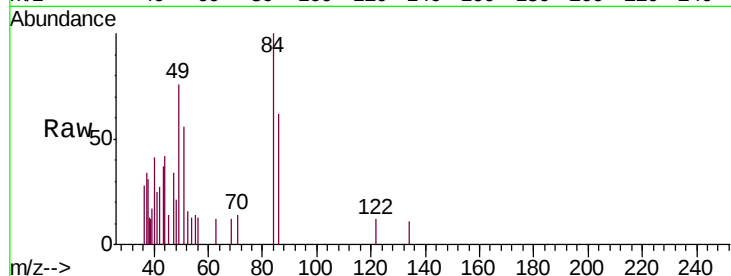




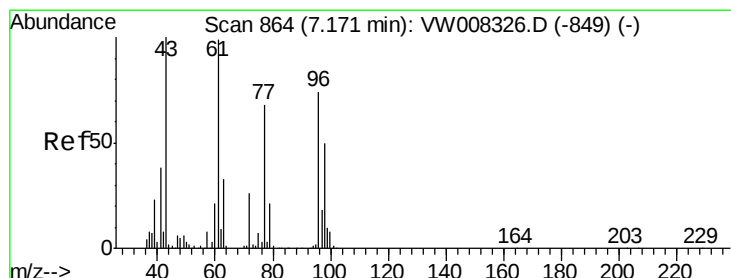
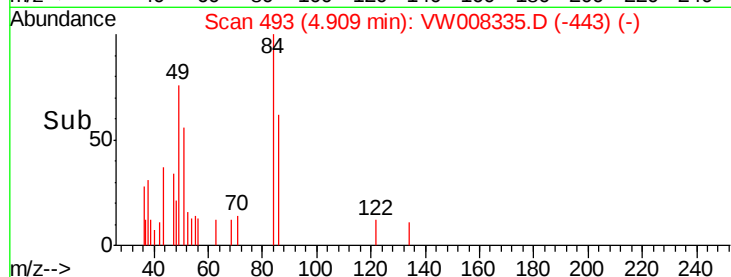
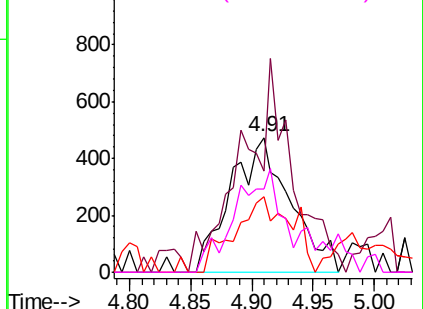
#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008335.D
Acq: 17 Jan 2019 18:25

Instrument :
MSVOA_W
ClientSampleId :
SITE4-03

Tgt Ion: 84 Resp: 1610
Ion Ratio Lower Upper
84 100
49 75.5 95.9 143.9#
51 56.1 29.3 43.9#
86 61.6 47.4 71.2

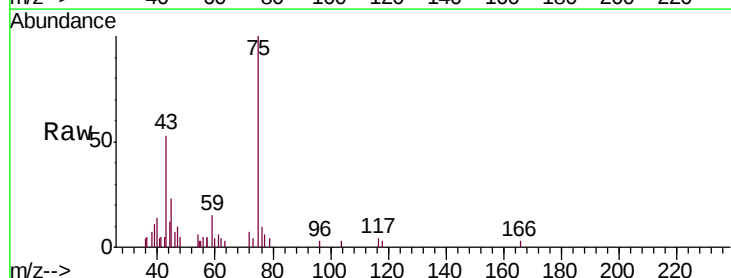


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

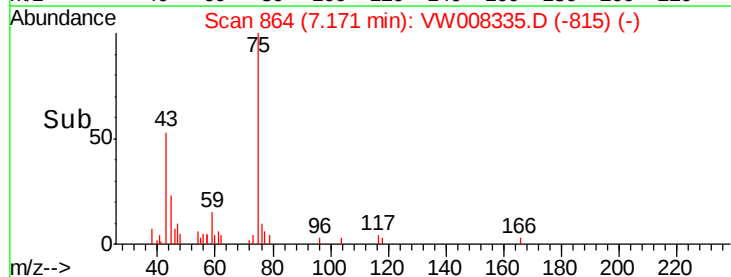
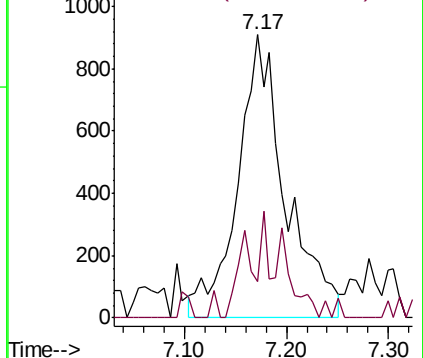


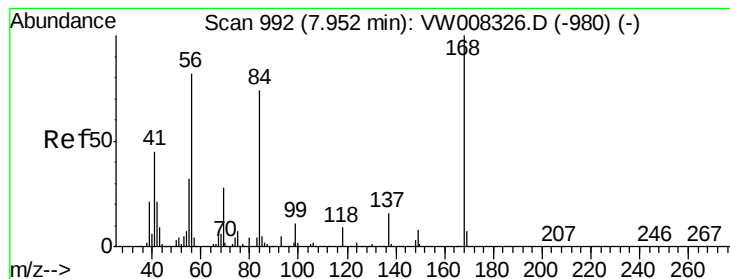
#25
2-Butanone
Concen: 10.045 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008335.D
Acq: 17 Jan 2019 18:25

Tgt Ion: 43 Resp: 2965
Ion Ratio Lower Upper
43 100
72 6.6 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.266 ug/l

RT: 7.93 min Scan# 989

Delta R.T. -0.02 min

Lab File: VW008335.D

Acq: 17 Jan 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

SITE4-03

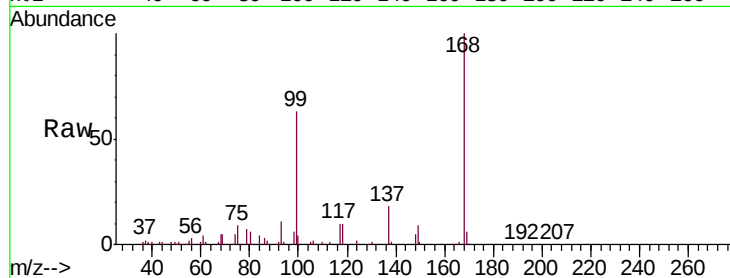
Tgt Ion: 56 Resp: 2346

Ion Ratio Lower Upper

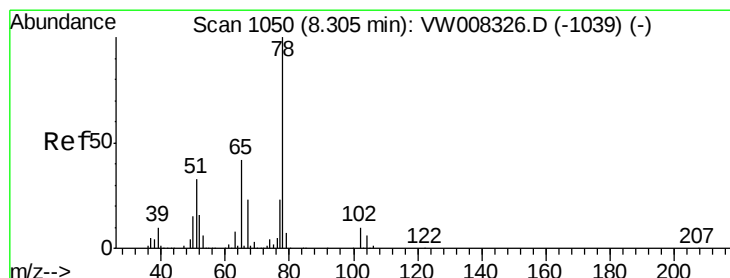
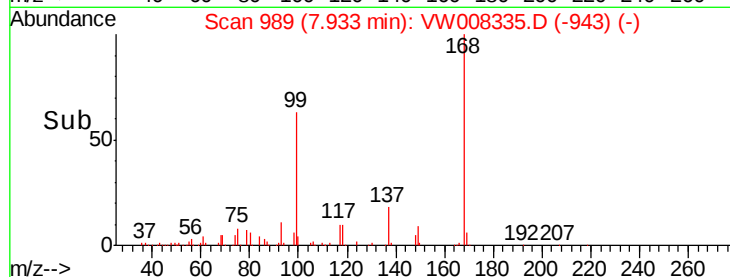
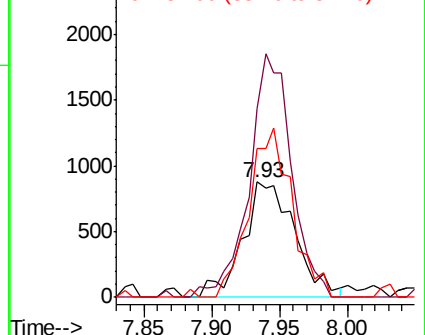
56 100

69 164.5 27.0 40.6#

84 128.9 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: 59.572 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008335.D

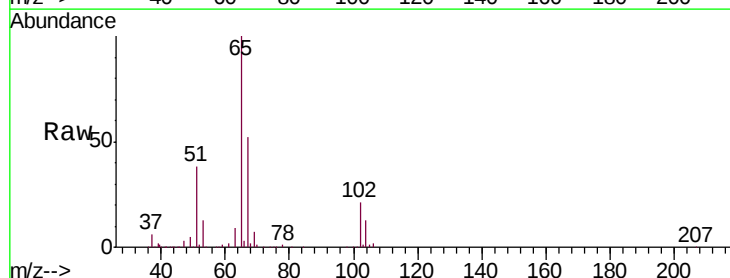
Acq: 17 Jan 2019 18:25

Tgt Ion: 65 Resp: 59113

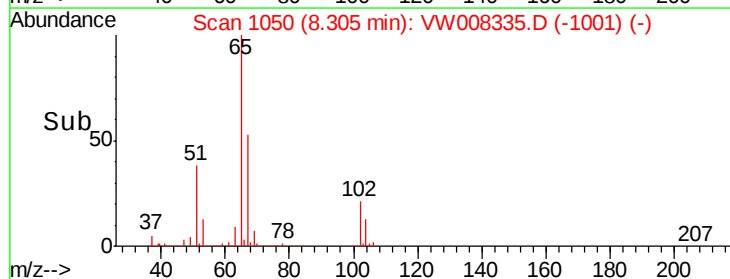
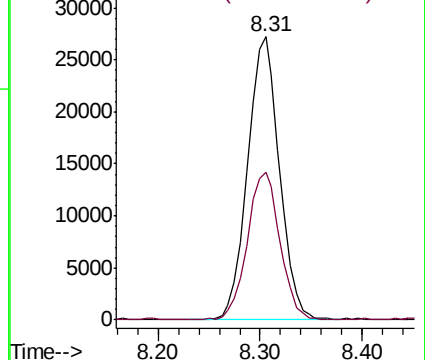
Ion Ratio Lower Upper

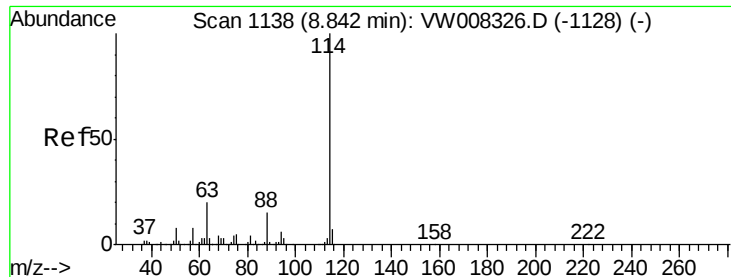
65 100

67 53.6 0.0 106.2



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

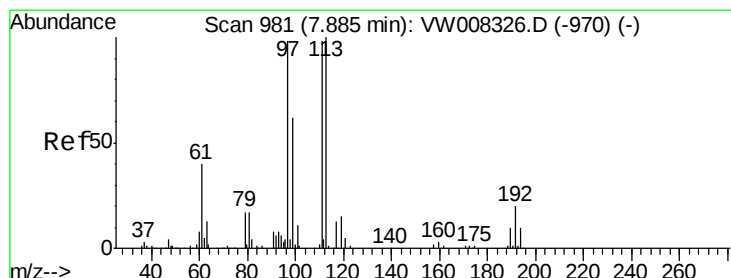
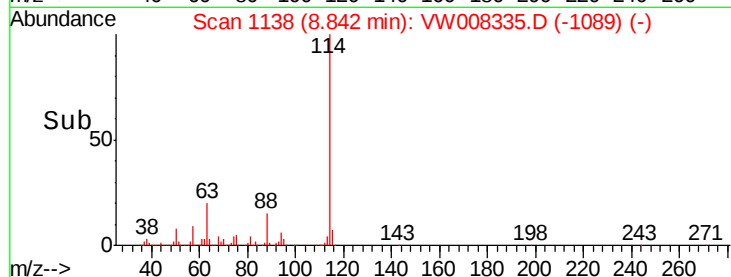
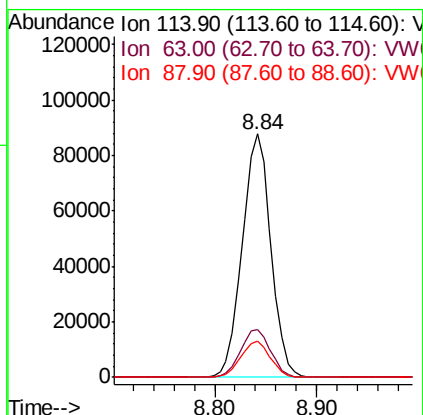
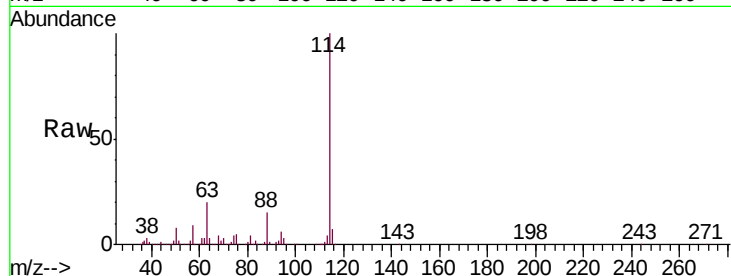




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008335.D
 Acq: 17 Jan 2019 18:25

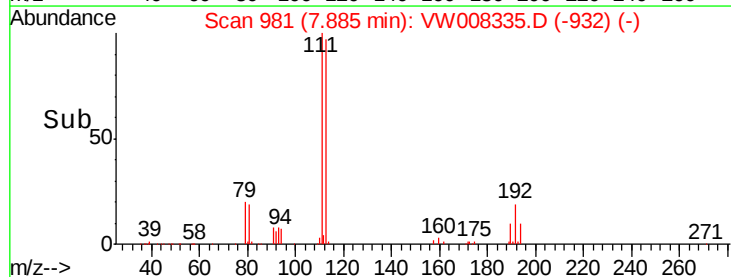
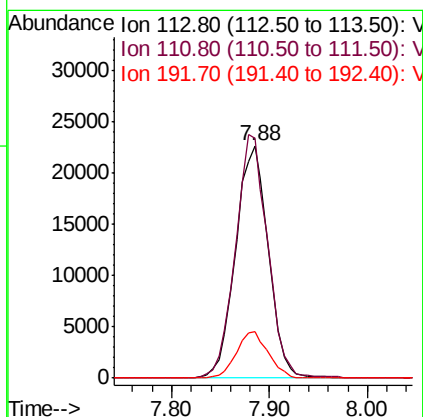
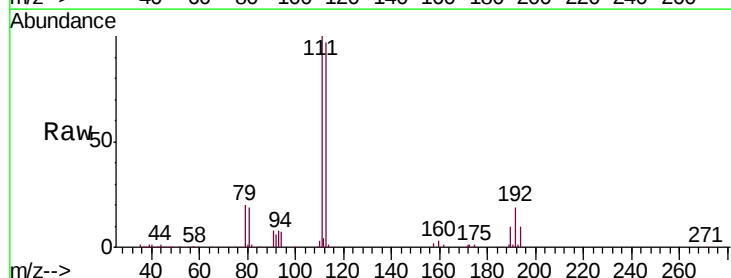
Instrument :
 MSVOA_W
 ClientSampleId :
 SITE4-03

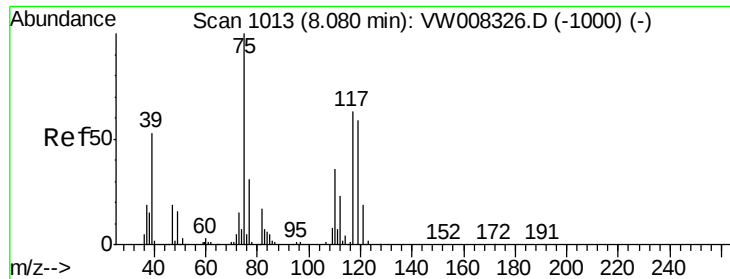
Tgt Ion:114 Resp: 170534
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.8
 88 14.7 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 48.364 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008335.D
 Acq: 17 Jan 2019 18:25

Tgt Ion:113 Resp: 52648
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.8 122.8
 192 19.5 16.3 24.5

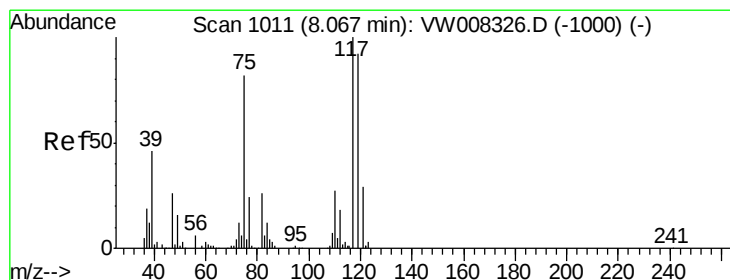
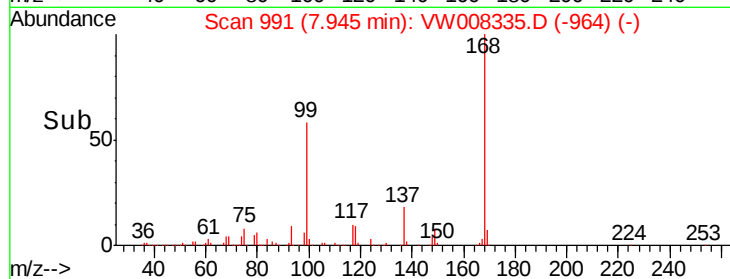
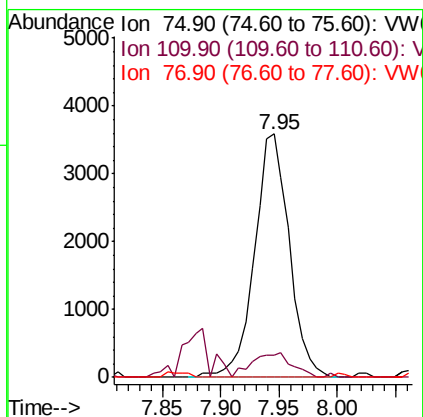
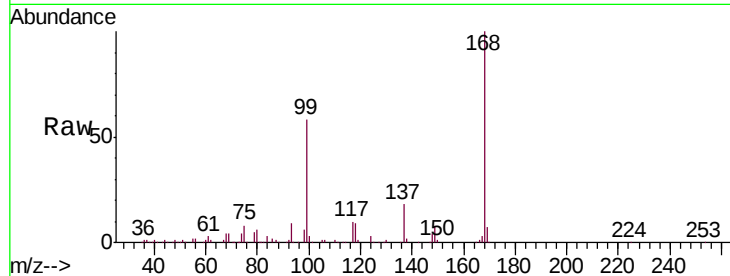




#36
 1,1-Dichloropropene
 Concen: 4.337 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008335.D
 Acq: 17 Jan 2019 18:25

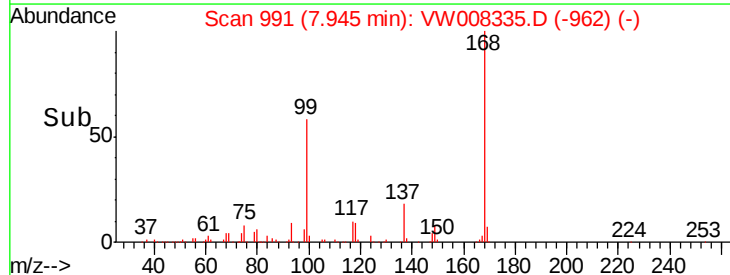
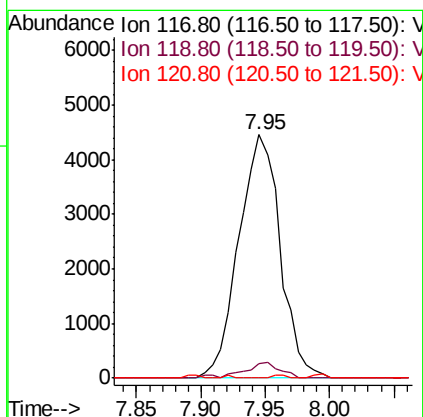
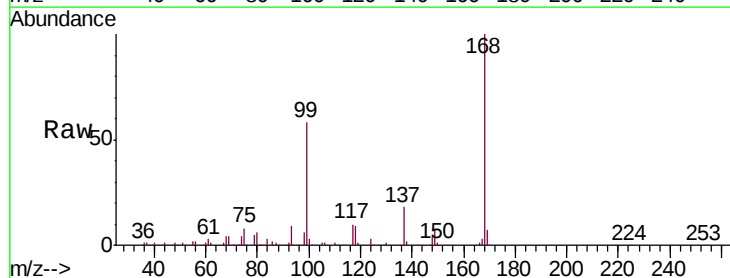
Instrument :
 MSVOA_W
 ClientSampleId :
 SITE4-03

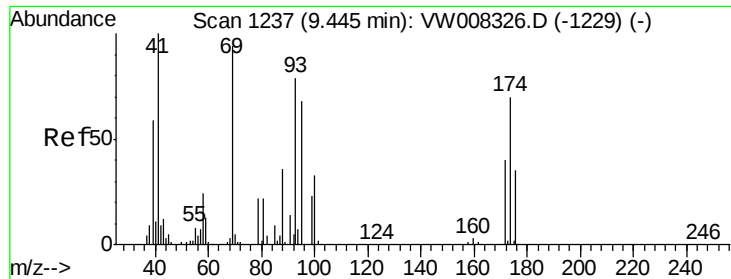
Tgt Ion: 75 Resp: 7441
 Ion Ratio Lower Upper
 75 100
 110 11.5 17.5 52.6#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.850 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008335.D
 Acq: 17 Jan 2019 18:25

Tgt Ion: 117 Resp: 9911
 Ion Ratio Lower Upper
 117 100
 119 5.9 73.8 110.6#
 121 0.0 23.4 35.0#

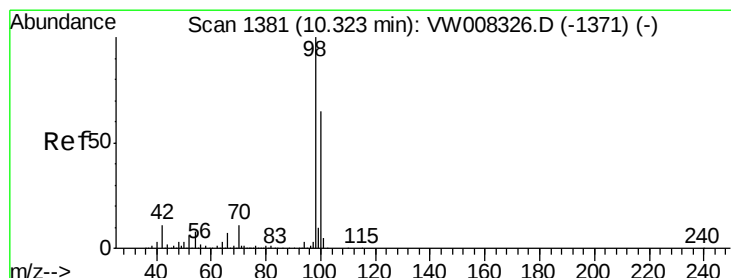
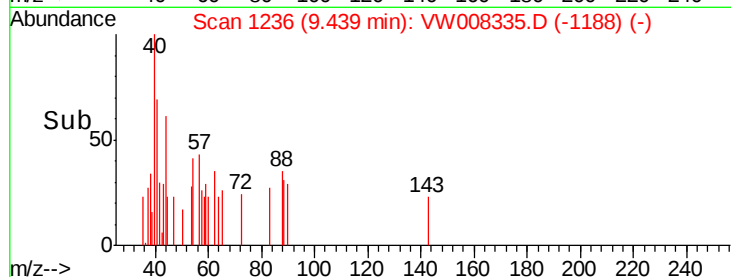
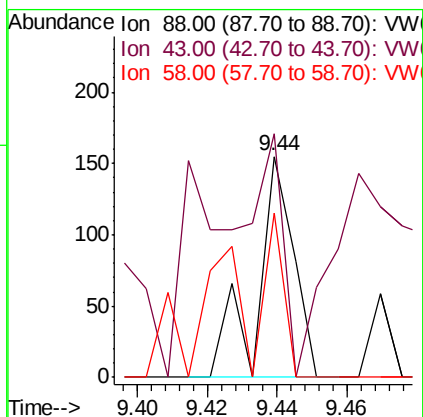
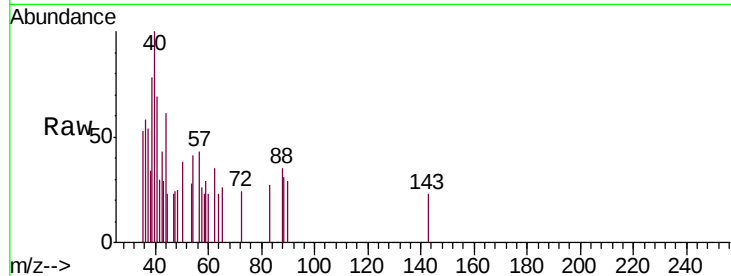




#49
1,4-Dioxane
Concen: 10.860 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW008335.D
Acq: 17 Jan 2019 18:25

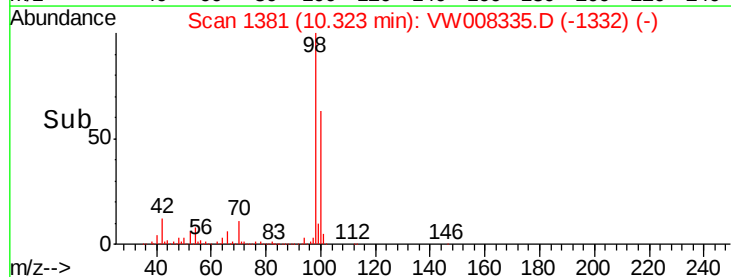
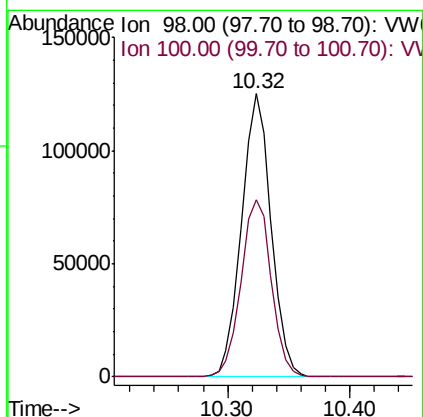
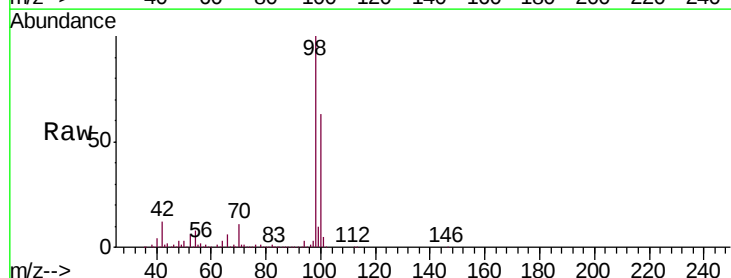
Instrument :
MSVOA_W
ClientSampled :
SITE4-03

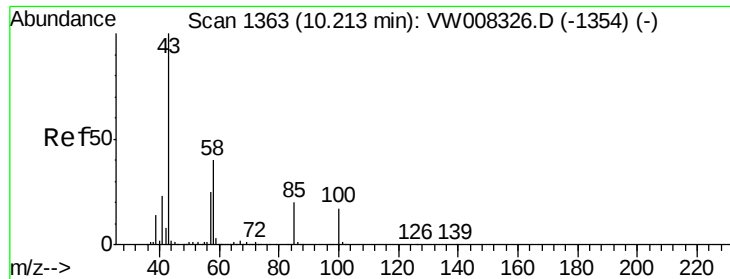
Tgt Ion: 88 Resp: 110
Ion Ratio Lower Upper
88 100
43 0.0 27.1 40.7#
58 0.0 57.9 86.9#



#50
Toluene-d8
Concen: 49.013 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008335.D
Acq: 17 Jan 2019 18:25

Tgt Ion: 98 Resp: 209607
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8

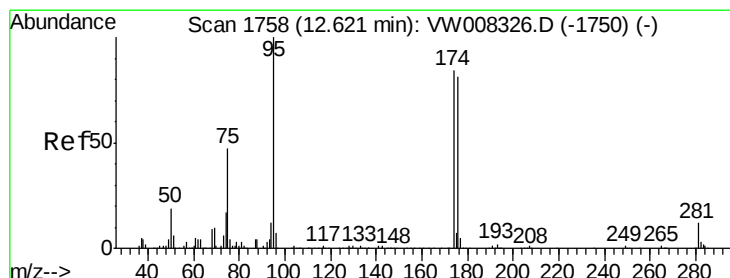
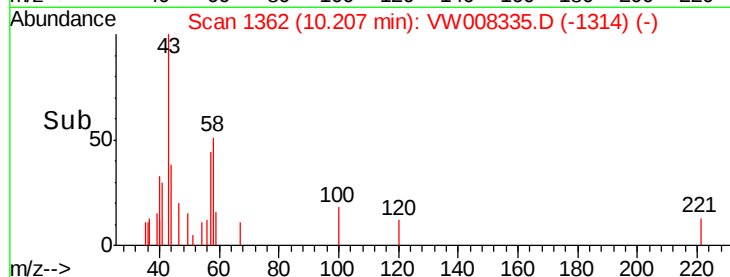
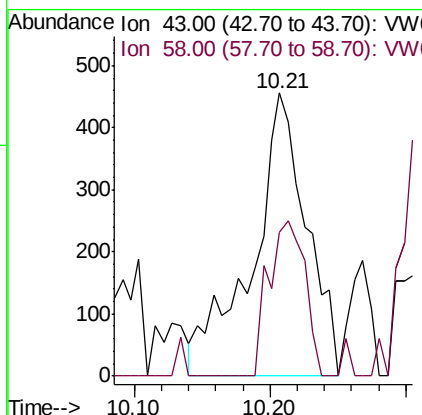
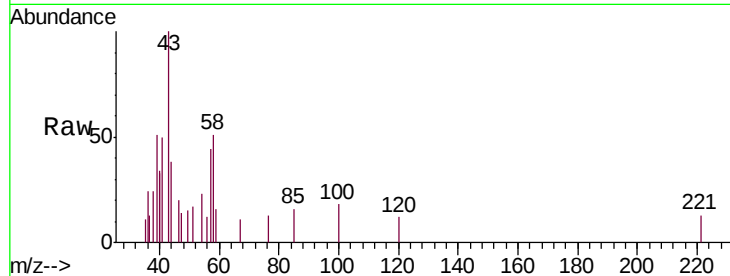




#51
4-Methyl-2-Pentanone
Concen: 1.875 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008335.D
Acq: 17 Jan 2019 18:25

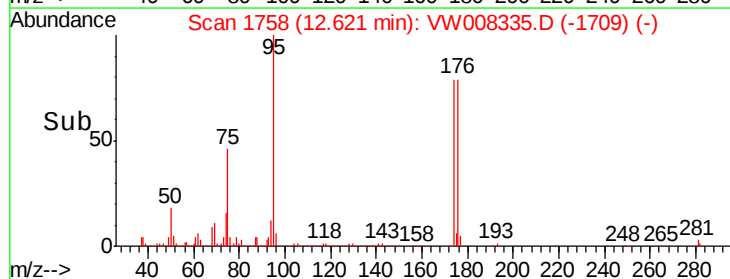
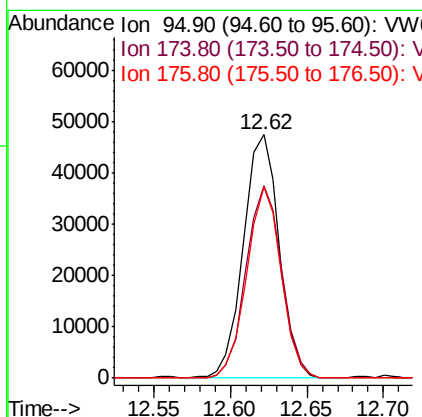
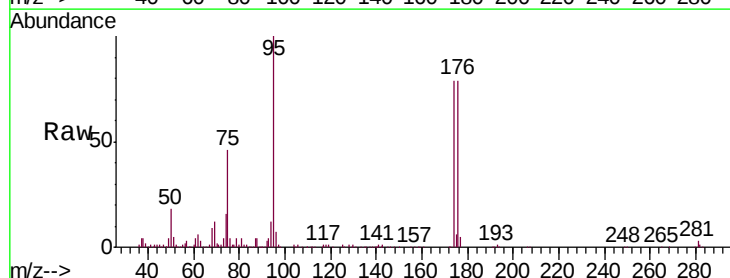
Instrument :
MSVOA_W
ClientSampleId :
SITE4-03

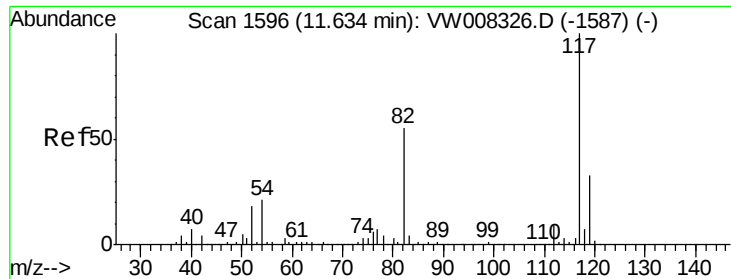
Tgt Ion: 43 Resp: 1269
Ion Ratio Lower Upper
43 100
58 36.8 31.4 47.0



#62
4-Bromofluorobenzene
Concen: 49.891 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008335.D
Acq: 17 Jan 2019 18:25

Tgt Ion: 95 Resp: 76521
Ion Ratio Lower Upper
95 100
174 79.6 0.0 166.0
176 76.7 0.0 160.0

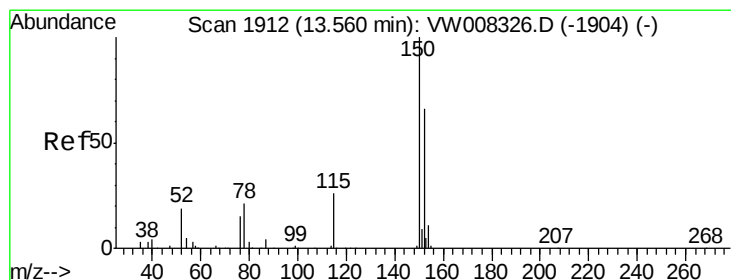
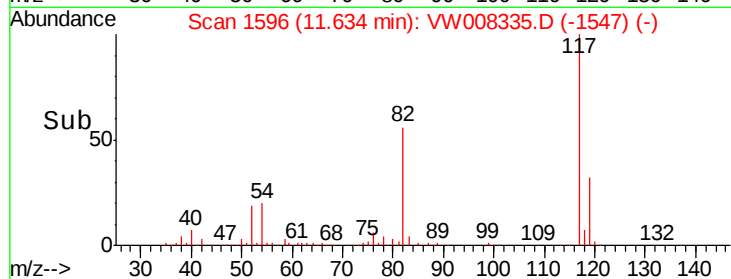
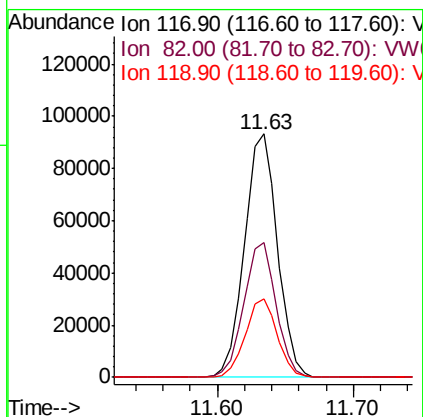
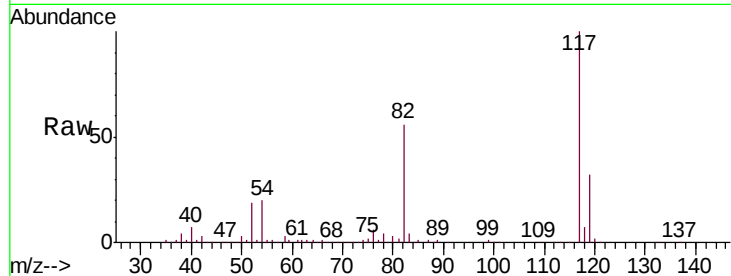




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008335.D
Acq: 17 Jan 2019 18:25

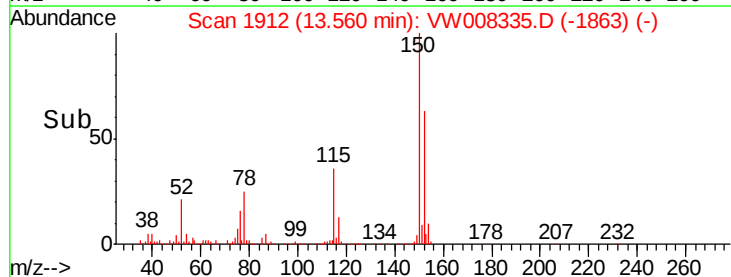
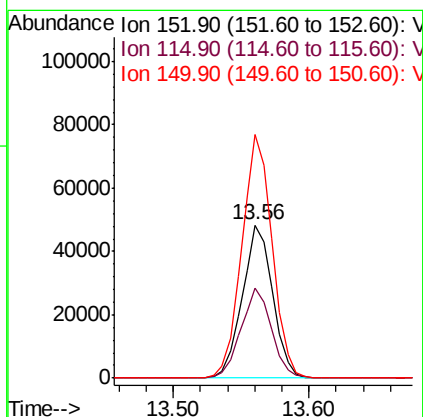
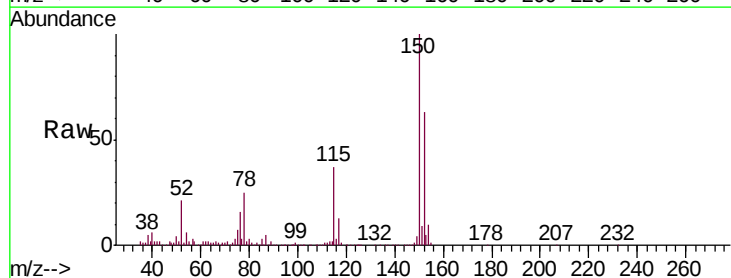
Instrument :
MSVOA_W
ClientSampleId :
SITE4-03

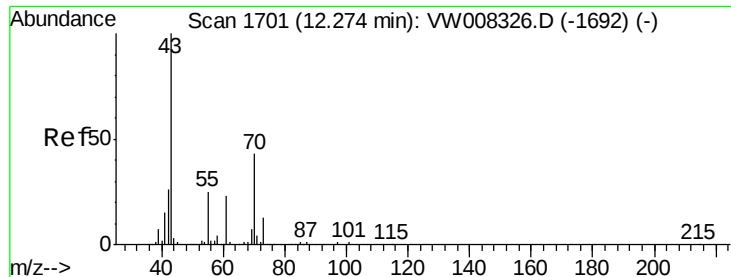
Tgt Ion:117 Resp: 157796
Ion Ratio Lower Upper
117 100
82 55.6 44.3 66.5
119 32.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008335.D
Acq: 17 Jan 2019 18:25

Tgt Ion:152 Resp: 75398
Ion Ratio Lower Upper
152 100
115 59.2 28.8 86.4
150 158.4 0.0 351.4

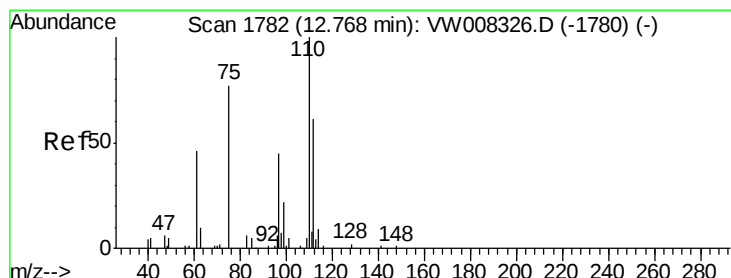
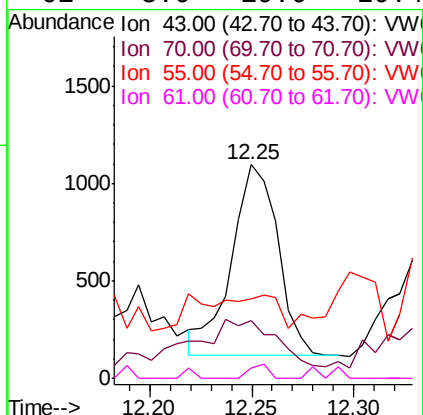
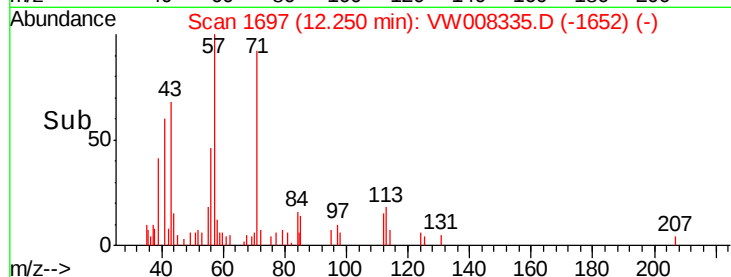
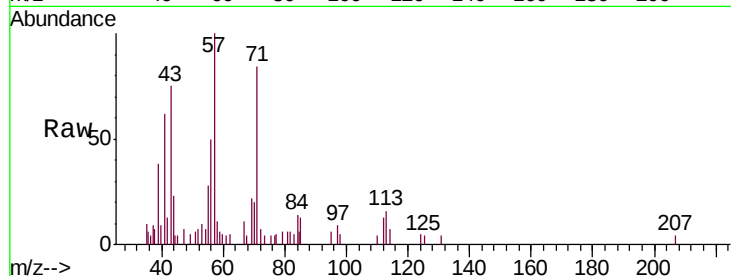




#74
N-amy1 acetate
Concen: 1.315 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW008335.D
Acq: 17 Jan 2019 18:25

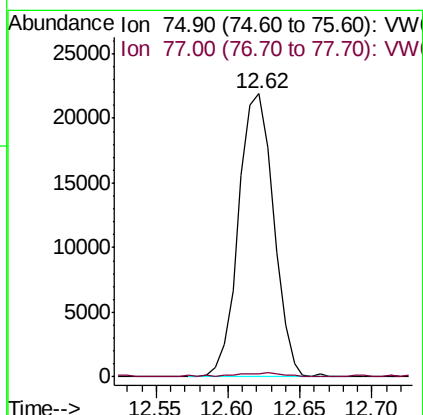
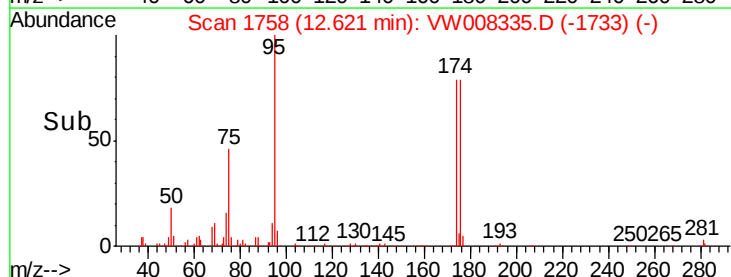
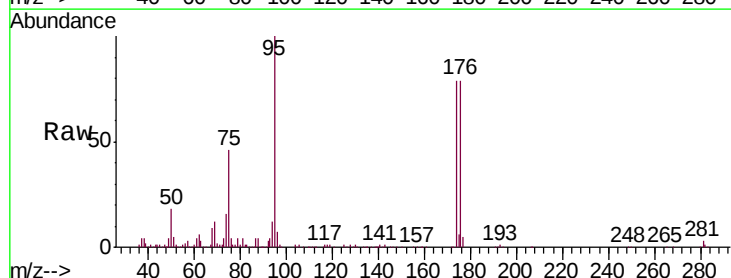
Instrument :
MSVOA_W
ClientSampled :
SITE4-03

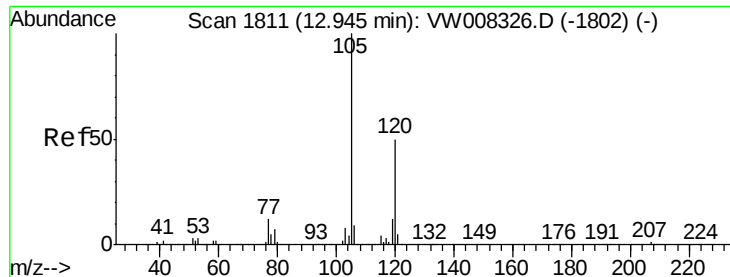
Tgt Ion: 43 Resp: 1548
Ion Ratio Lower Upper
43 100
70 41.2 34.6 52.0
55 0.0 20.0 30.0#
61 3.0 19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 54.177 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW008335.D
Acq: 17 Jan 2019 18:25

Tgt Ion: 75 Resp: 37199
Ion Ratio Lower Upper
75 100
77 2.3 175.3 526.1#

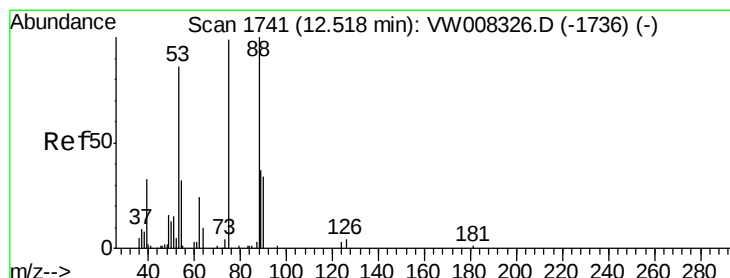
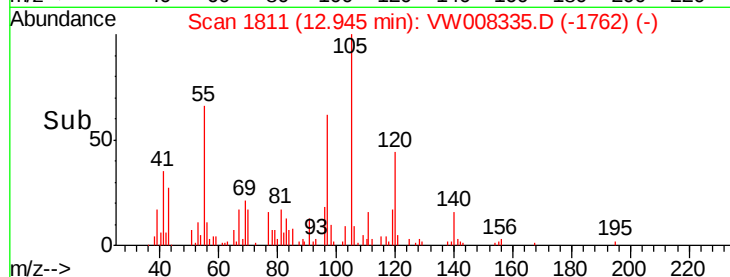
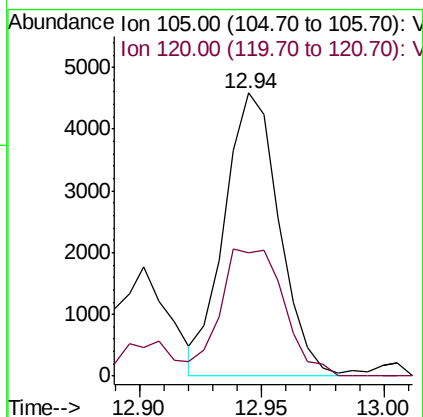
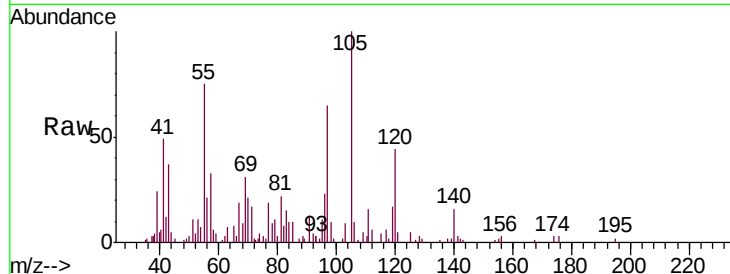




#80
 1,3,5-Trimethylbenzene
 Concen: 1.560 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008335.D
 Acq: 17 Jan 2019 18:25

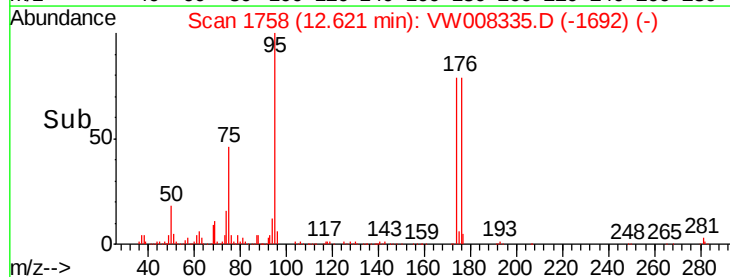
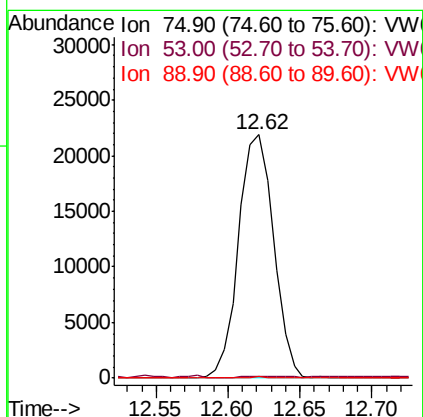
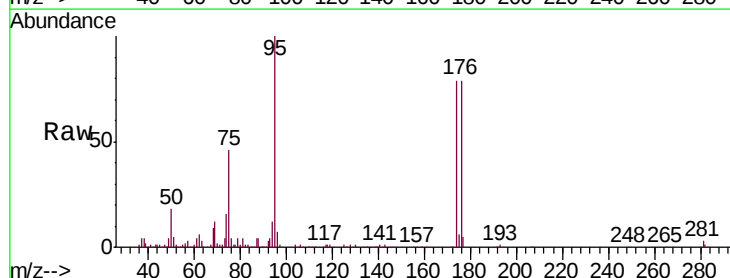
Instrument :
 MSVOA_W
 ClientSampled :
 SITE4-03

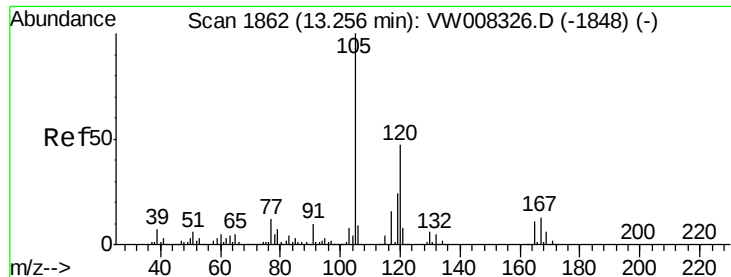
Tgt Ion: 105 Resp: 7151
 Ion Ratio Lower Upper
 105 100
 120 51.9 25.6 76.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.290 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW008335.D
 Acq: 17 Jan 2019 18:25

Tgt Ion: 75 Resp: 37199
 Ion Ratio Lower Upper
 75 100
 53 0.6 76.2 114.4#
 89 0.2 36.7 55.1#

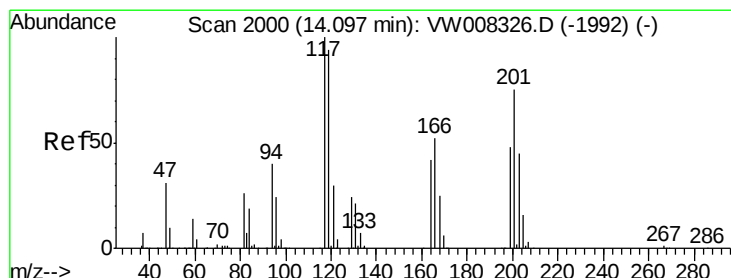
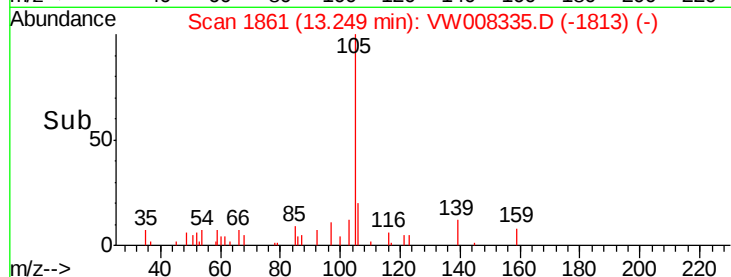
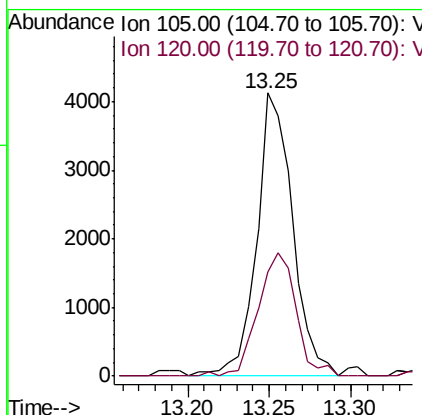
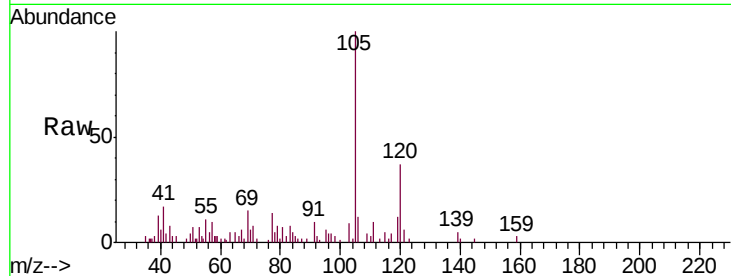




#84
 1,2,4-Trimethylbenzene
 Concen: 1.349 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW008335.D
 Acq: 17 Jan 2019 18:25

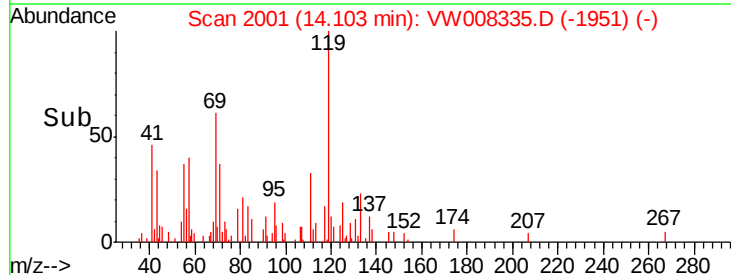
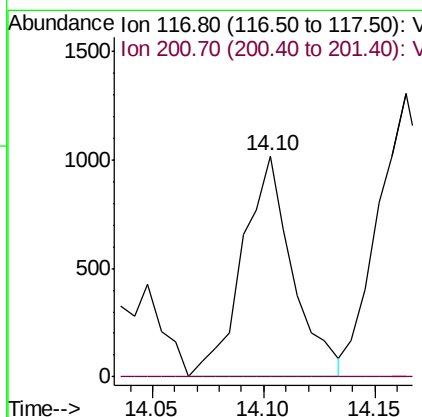
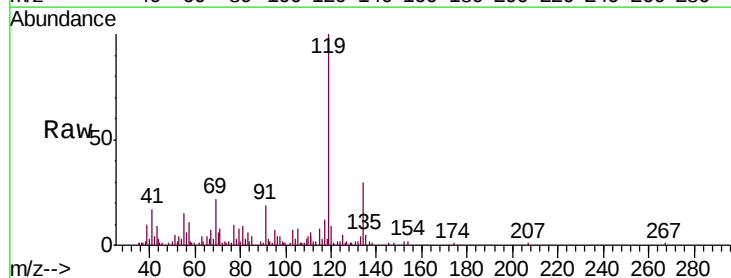
Instrument :
 MSVOA_W
 ClientSampleId :
 SITE4-03

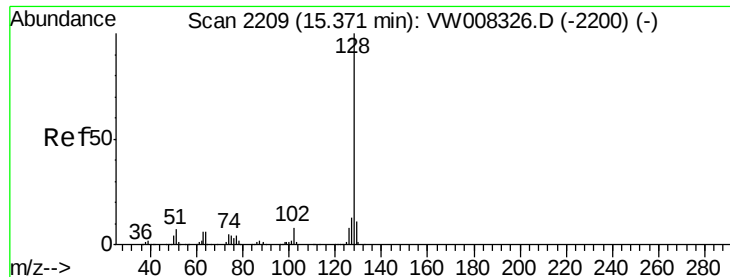
Tgt Ion:105 Resp: 6298
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.5 70.6



#90
 Hexachloroethane
 Concen: 1.701 ug/l
 RT: 14.10 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: VW008335.D
 Acq: 17 Jan 2019 18:25

Tgt Ion:117 Resp: 1593
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.3 117.9#





#95

Naphthalene

Concen: 14.852 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008335.D

Acq: 17 Jan 2019 18:25

Instrument :

MSVOA_W

ClientSampleId :

SITE4-03

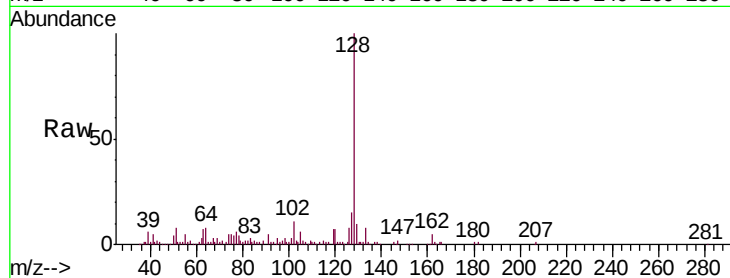
Tgt Ion:128 Resp: 38012

Ion Ratio Lower Upper

128 100

127 16.1 10.5 15.7#

129 12.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

