

Data File : VW008336.D
Acq On : 17 Jan 2019 18:52
Operator : SY/VA
Sample : K1194-05
Misc : 10.1G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SITE4-04

Quant Time: Jan 18 01:09:30 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	100081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	176532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	169972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	85028	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	60952	58.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.10%	
35) Dibromofluoromethane	7.88	113	55552	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
50) Toluene-d8	10.32	98	221047	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.62	95	82680	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	

Target Compounds

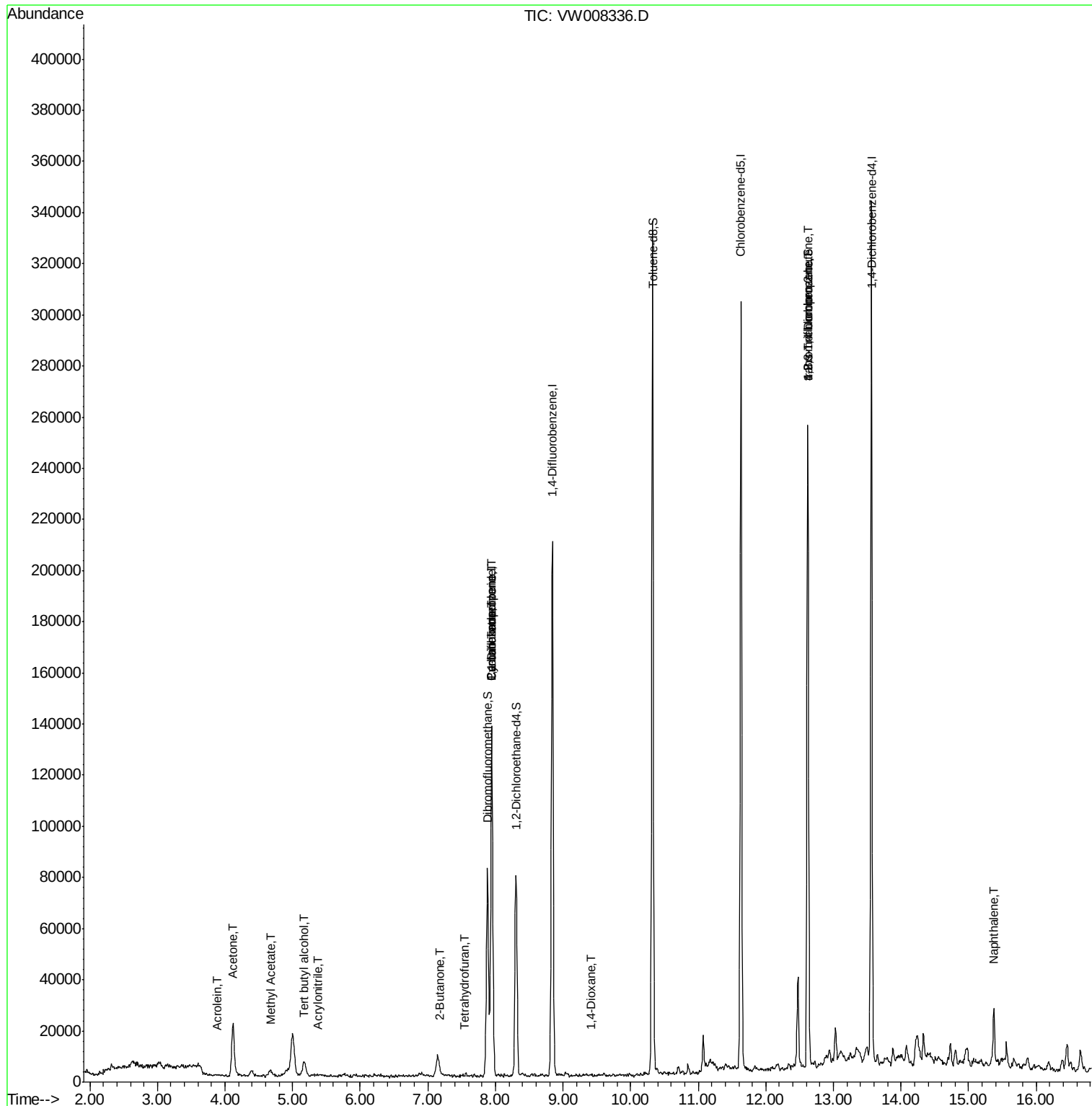
						Qvalue
11) Tert butyl alcohol	5.18	59	10075	143.732	ug/l	96
13) Acrolein	3.89	56	218	10.680	ug/l #	67
15) Acrylonitrile	5.36	53	245	1.061	ug/l #	77
16) Acetone	4.12	43	35232	145.722	ug/l	97
18) Methyl Acetate	4.68	43	4854	7.516	ug/l	98
20) Methylene Chloride	4.91	84	1831	Below Cal	#	90
25) 2-Butanone	7.18	43	3193	10.311	ug/l	97
29) Tetrahydrofuran	7.53	42	382	1.979	ug/l #	47
31) Cyclohexane	7.95	56	2517	1.294	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	8053	4.534	ug/l #	51
38) Carbon Tetrachloride	7.95	117	10226	5.831	ug/l #	17
49) 1,4-Dioxane	9.43	88	19	1.812	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	40056	51.731	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	40056	123.452	ug/l #	12
95) Naphthalene	15.37	128	18599	7.763	ug/l #	91

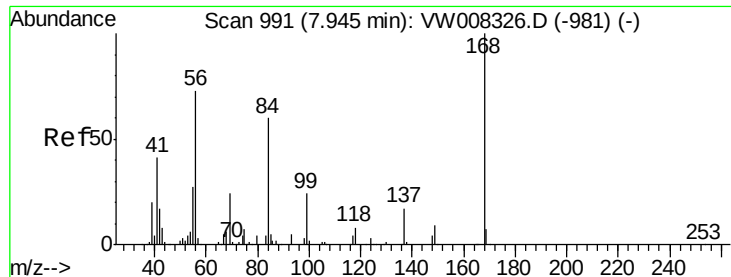
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008336.D

Acq: 17 Jan 2019 18:52

Instrument :

MSVOA_W

ClientSampleId :

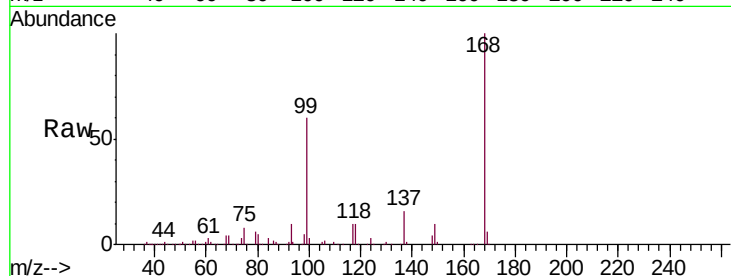
SITE4-04

Tgt Ion:168 Resp: 100081

Ion Ratio Lower Upper

168 100

99 60.0 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

50000

40000

30000

20000

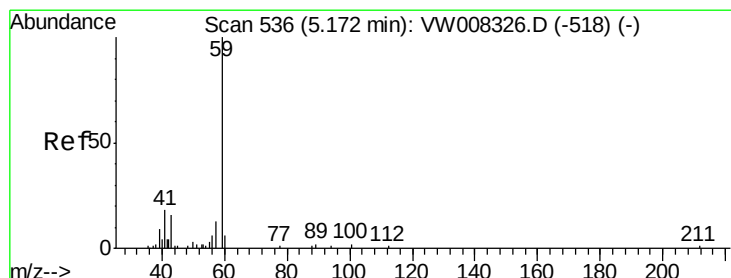
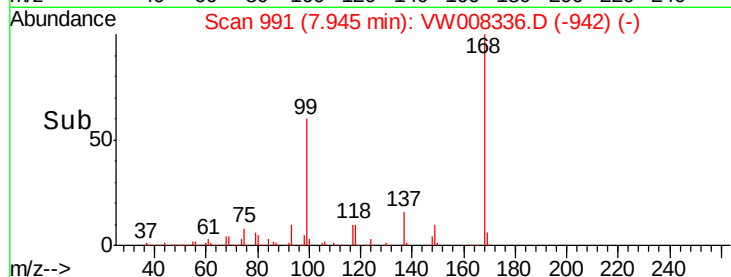
10000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: 143.732 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW008336.D

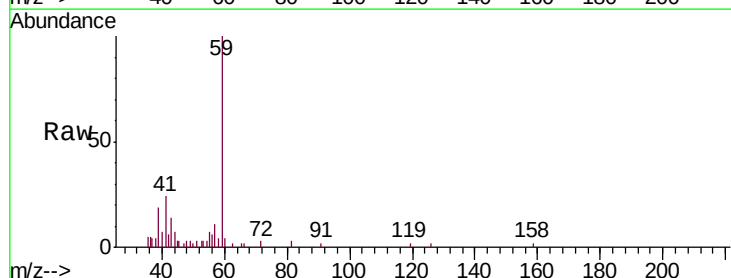
Acq: 17 Jan 2019 18:52

Tgt Ion: 59 Resp: 10075

Ion Ratio Lower Upper

59 100

57 13.5 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

3000

2500

2000

1500

1000

500

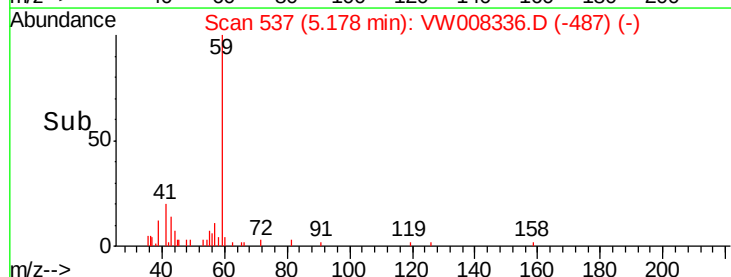
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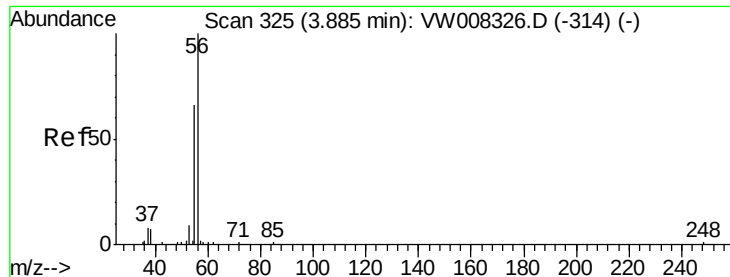
5.10

5.20

5.30

Time-->





#13

Acrolein

Concen: 10.680 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008336.D

Acq: 17 Jan 2019 18:52

Instrument :

MSVOA_W

ClientSampleId :

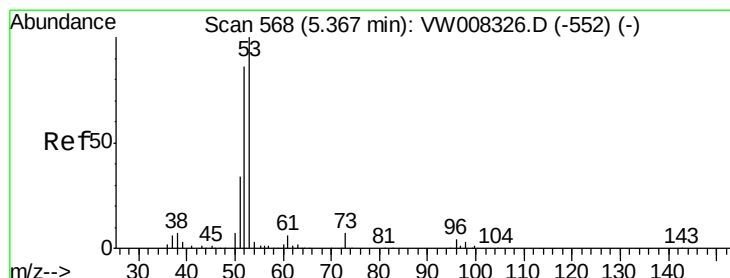
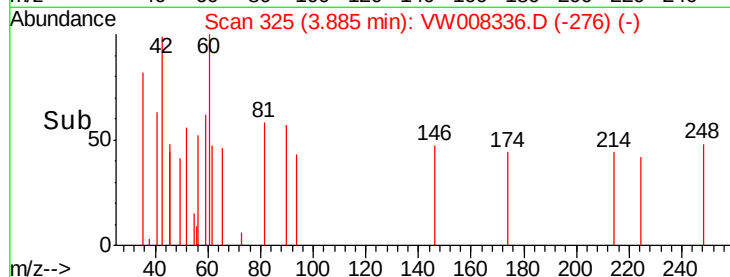
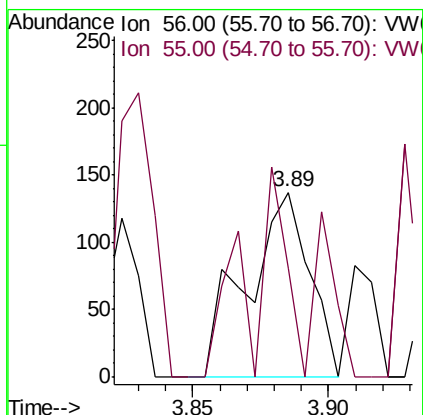
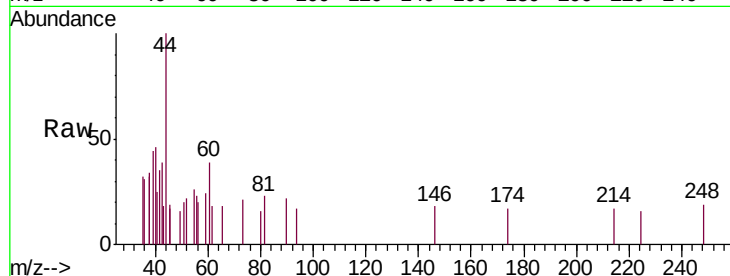
SITE4-04

Tgt Ion: 56 Resp: 218

Ion Ratio Lower Upper

56 100

55 39.9 52.9 79.3#



#15

Acrylonitrile

Concen: 1.061 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW008336.D

Acq: 17 Jan 2019 18:52

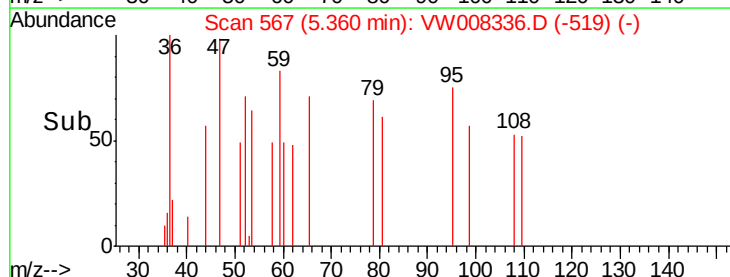
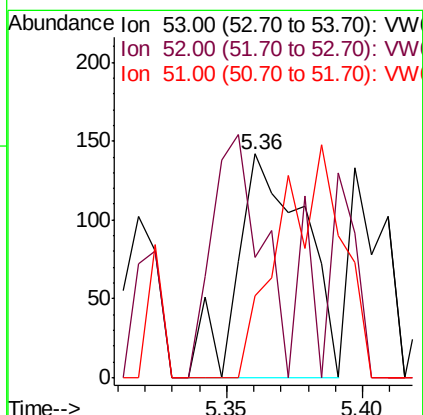
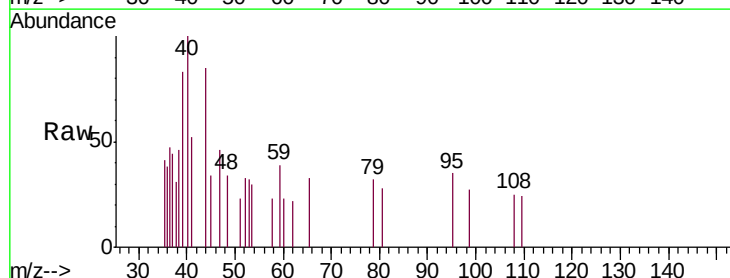
Tgt Ion: 53 Resp: 245

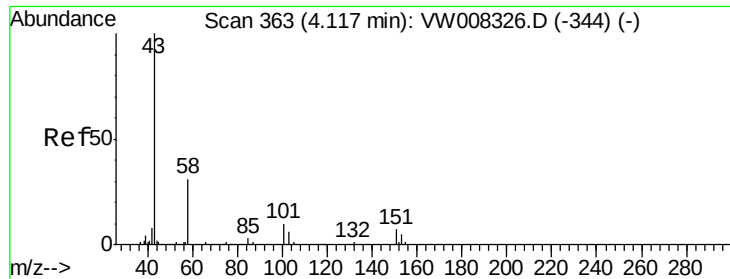
Ion Ratio Lower Upper

53 100

52 78.4 66.4 99.6

51 0.0 29.6 44.4#

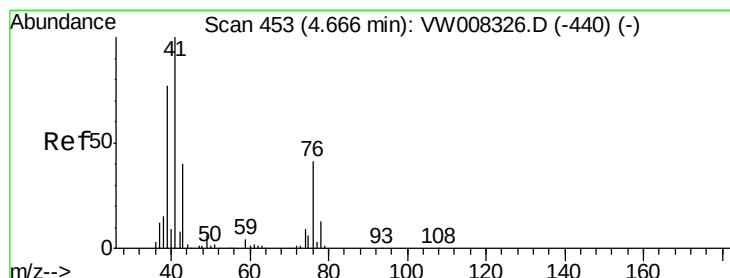
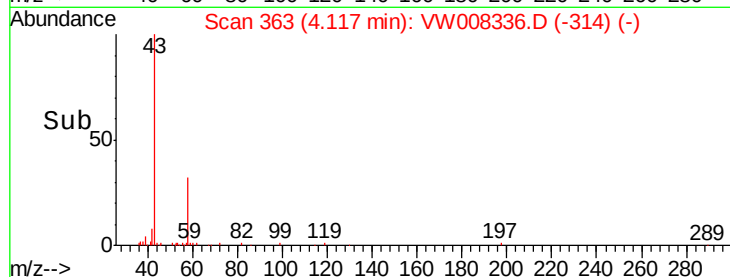
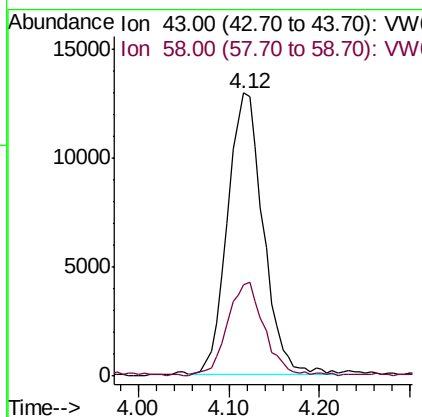
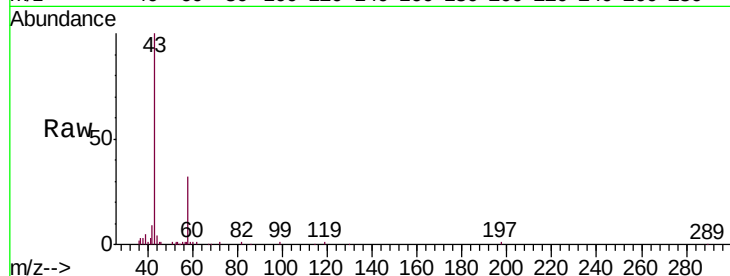




#16
Acetone
Concen: 145.722 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW008336.D
Acq: 17 Jan 2019 18:52

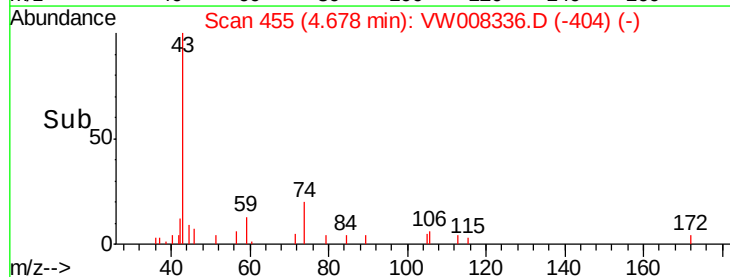
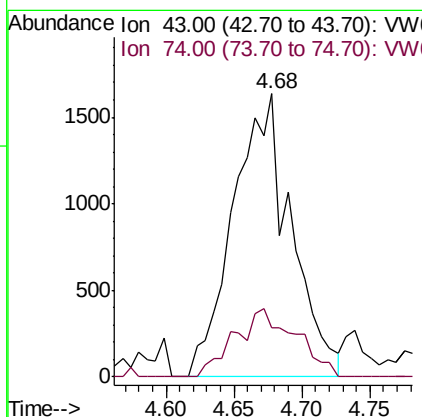
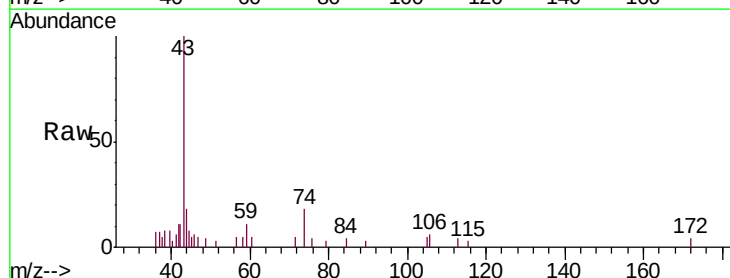
Instrument :
MSVOA_W
ClientSampleId :
SITE4-04

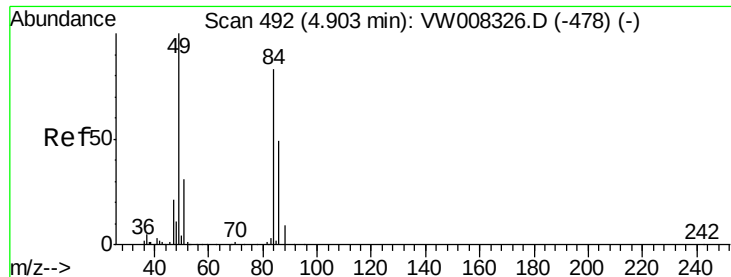
Tgt Ion: 43 Resp: 35232
Ion Ratio Lower Upper
43 100
58 32.4 24.7 37.1



#18
Methyl Acetate
Concen: 7.516 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW008336.D
Acq: 17 Jan 2019 18:52

Tgt Ion: 43 Resp: 4854
Ion Ratio Lower Upper
43 100
74 25.4 19.4 29.0

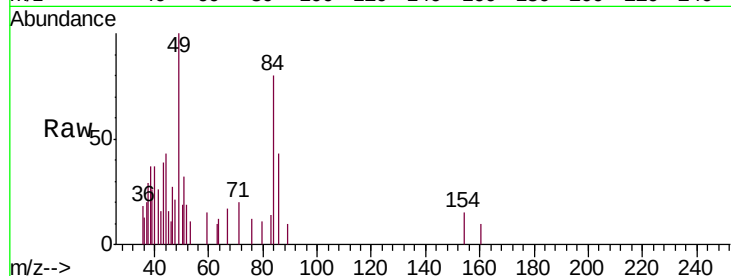




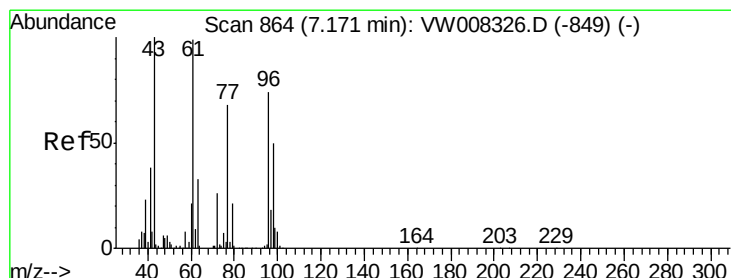
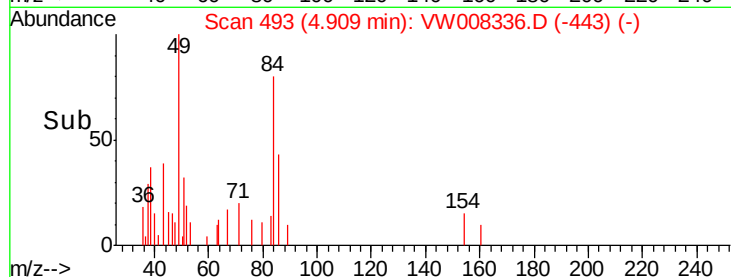
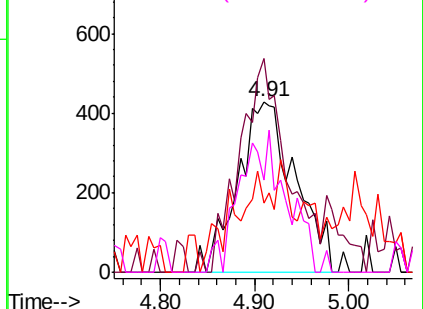
#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008336.D
Acq: 17 Jan 2019 18:52

Instrument :
MSVOA_W
ClientSampleId :
SITE4-04

Tgt Ion: 84 Resp: 1831
Ion Ratio Lower Upper
84 100
49 125.5 95.9 143.9
51 18.9 29.3 43.9#
86 54.0 47.4 71.2

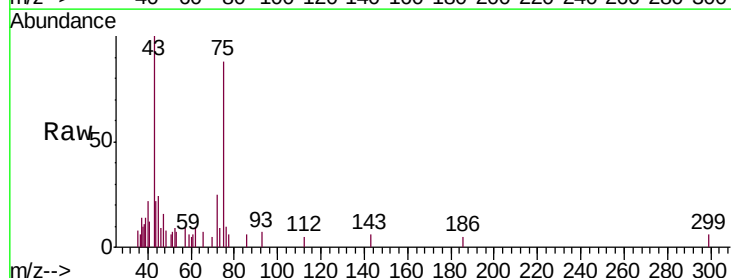


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

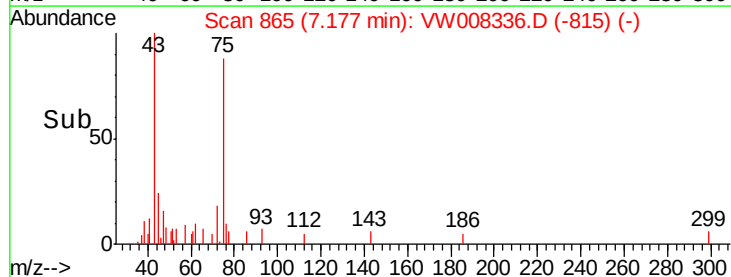
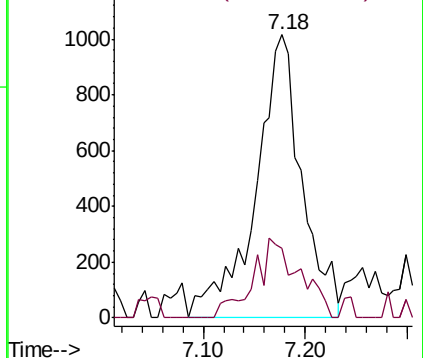


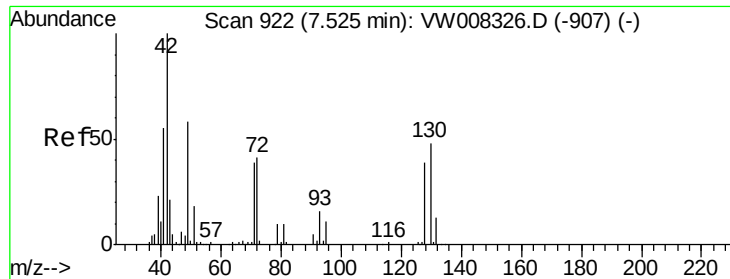
#25
2-Butanone
Concen: 10.311 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW008336.D
Acq: 17 Jan 2019 18:52

Tgt Ion: 43 Resp: 3193
Ion Ratio Lower Upper
43 100
72 24.7 21.2 31.8



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

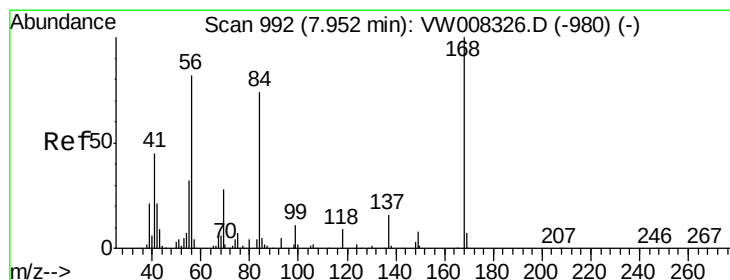
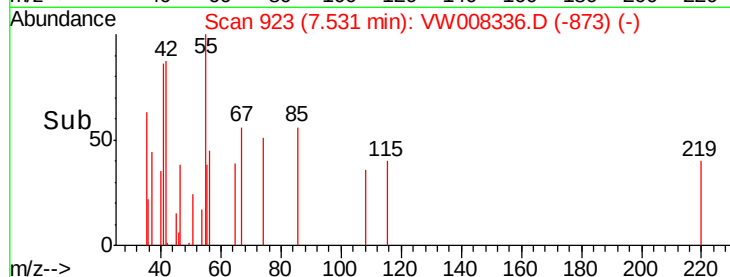
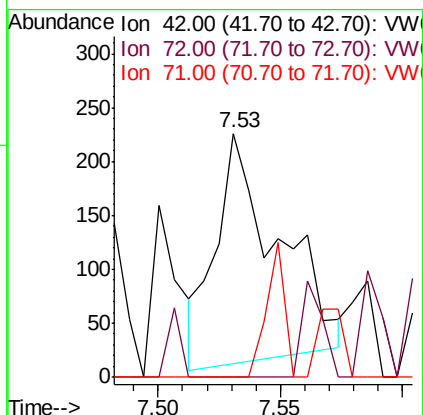
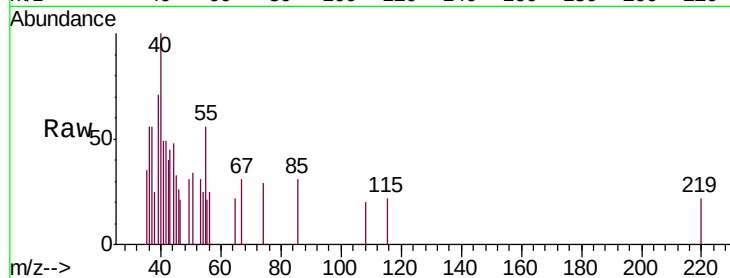




#29
Tetrahydrofuran
Concen: 1.979 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW008336.D
Acq: 17 Jan 2019 18:52

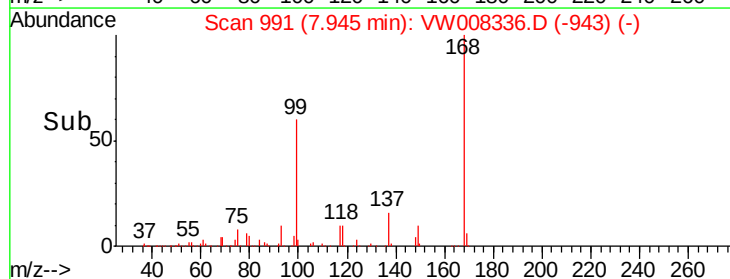
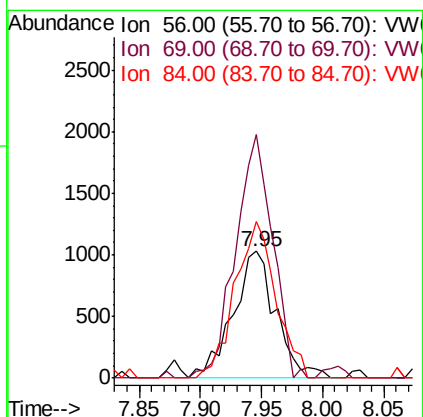
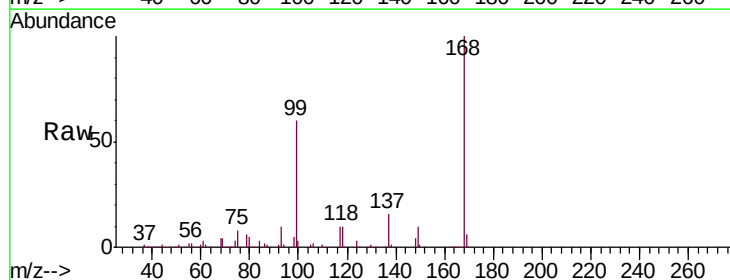
Instrument :
MSVOA_W
ClientSampleId :
SITE4-04

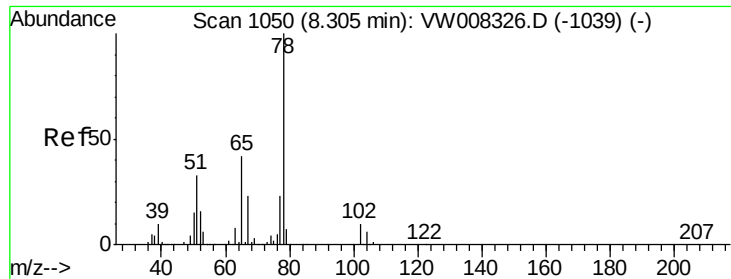
Tgt Ion: 42 Resp: 382
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 16.8 32.0 48.0#



#31
Cyclohexane
Concen: 1.294 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008336.D
Acq: 17 Jan 2019 18:52

Tgt Ion: 56 Resp: 2517
Ion Ratio Lower Upper
56 100
69 191.7 27.0 40.6#
84 122.9 72.5 108.7#

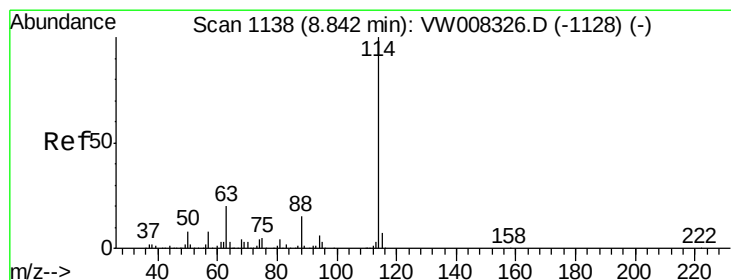
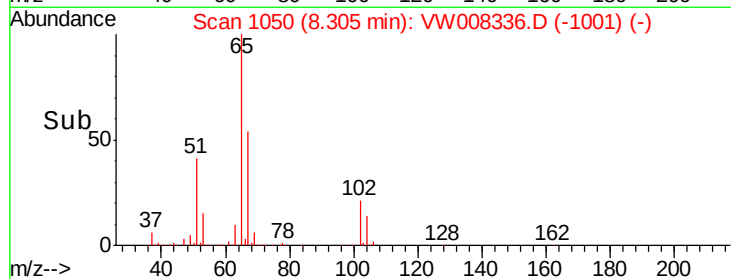
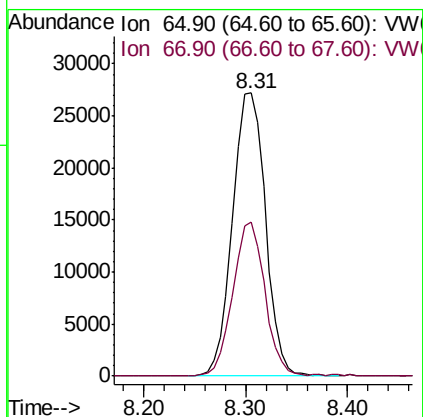
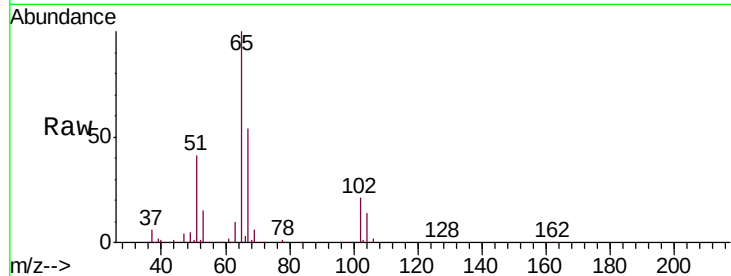




#33
 1,2-Dichloroethane-d4
 Concen: 58.547 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008336.D
 Acq: 17 Jan 2019 18:52

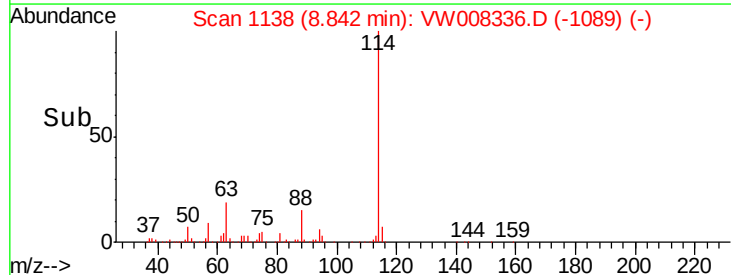
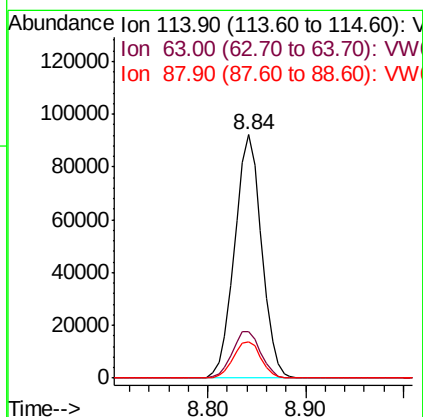
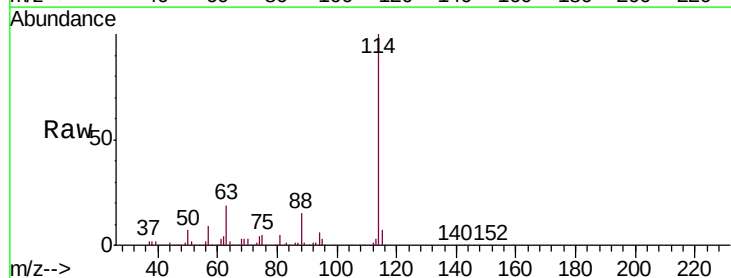
Instrument :
 MSVOA_W
 ClientSampleId :
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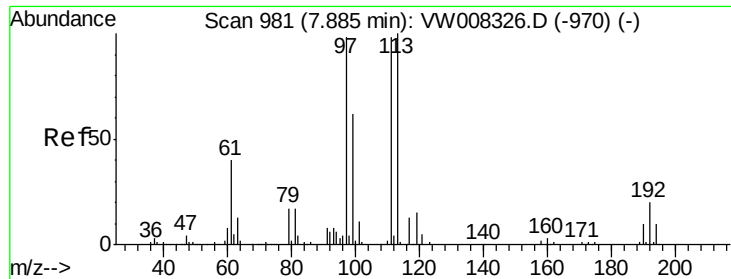
Tgt Ion: 65 Resp: 60952
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008336.D
 Acq: 17 Jan 2019 18:52

Tgt Ion: 114 Resp: 176532
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.8
 88 15.1 0.0 30.4

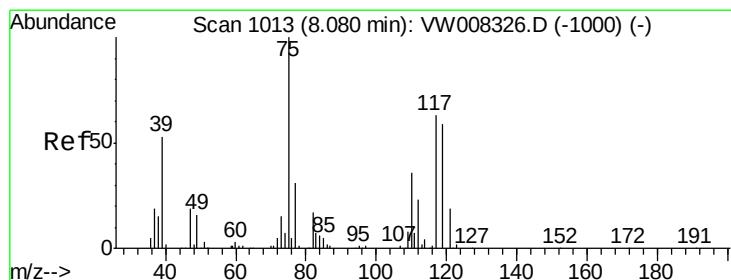
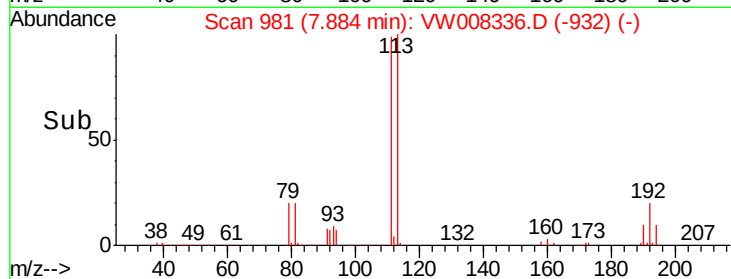
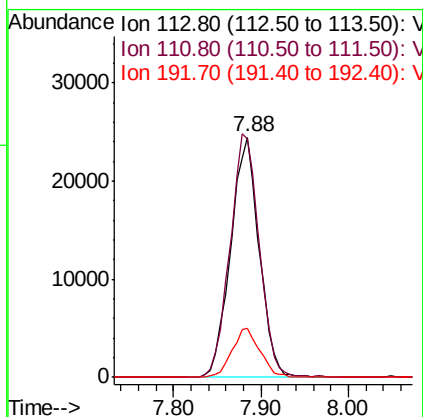
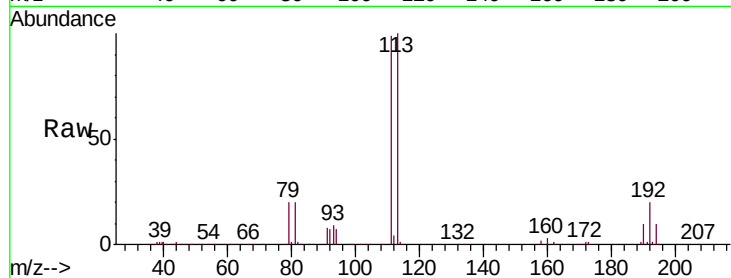




#35
 Dibromofluoromethane
 Concen: 49.298 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008336.D
 Acq: 17 Jan 2019 18:52

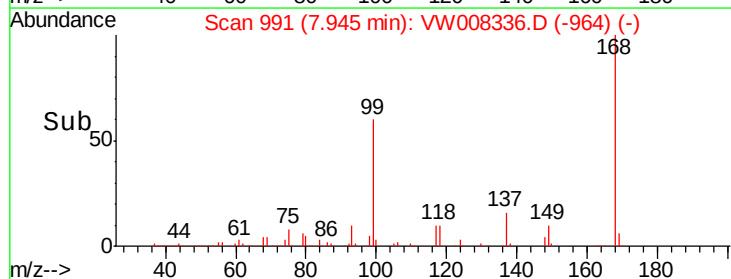
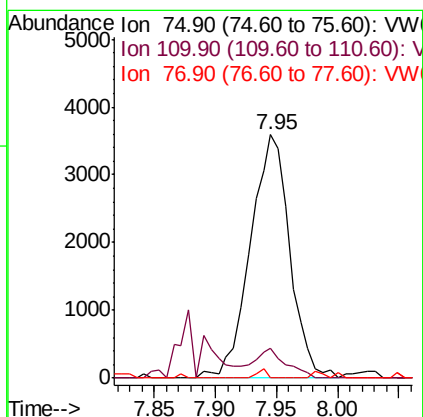
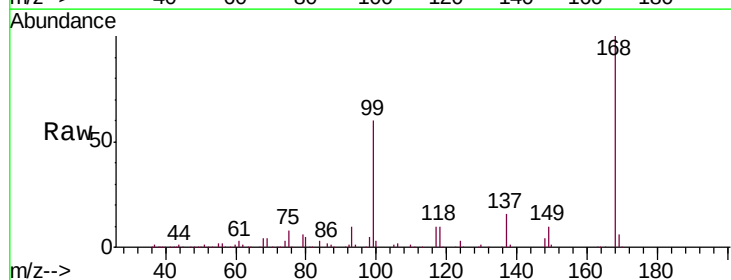
Instrument :
 MSVOA_W
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 SITE4-04

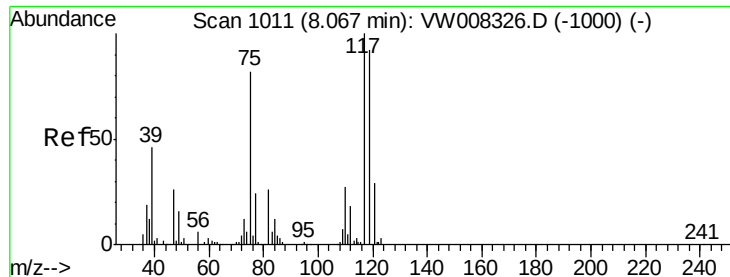
Tgt Ion:113 Resp: 55552
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.8 122.8
 192 19.7 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 4.534 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008336.D
 Acq: 17 Jan 2019 18:52

Tgt Ion: 75 Resp: 8053
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.5 52.6#
 77 0.9 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.831 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008336.D

Acq: 17 Jan 2019 18:52

Instrument :

MSVOA_W

ClientSampled :

SITE4-04

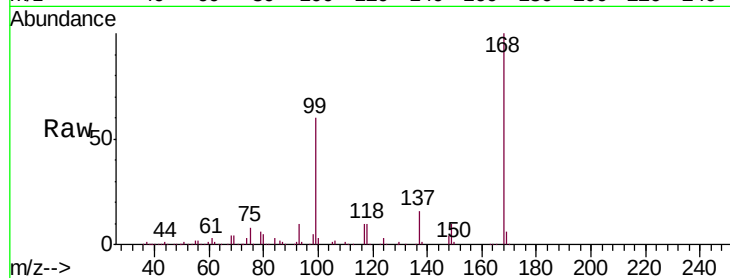
Tgt Ion:117 Resp: 10226

Ion Ratio Lower Upper

117 100

119 4.6 73.8 110.6#

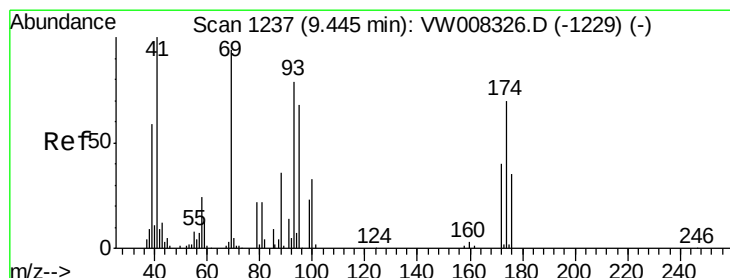
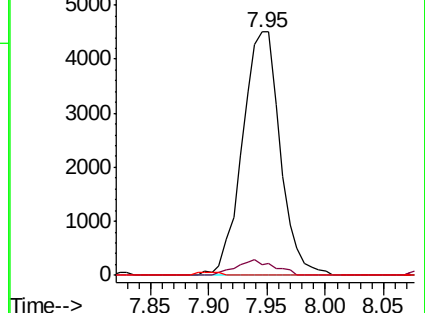
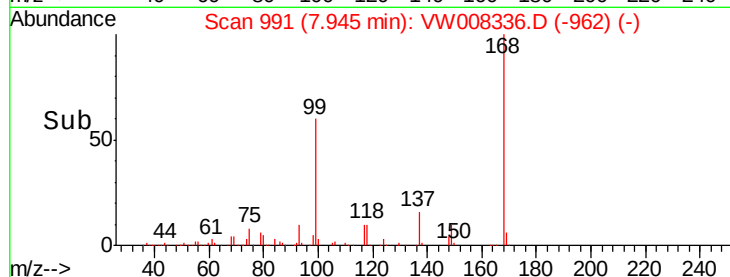
121 0.0 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.812 ug/l

RT: 9.43 min Scan# 1234

Delta R.T. -0.02 min

Lab File: VW008336.D

Acq: 17 Jan 2019 18:52

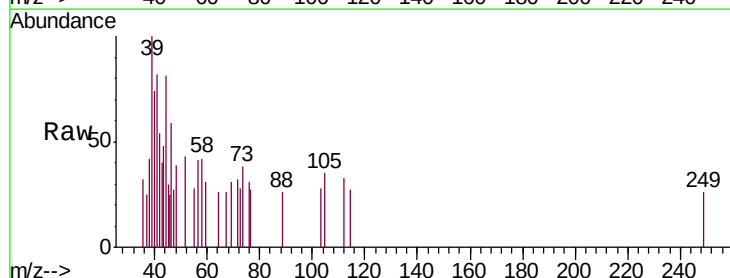
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 1684.2 27.1 40.7#

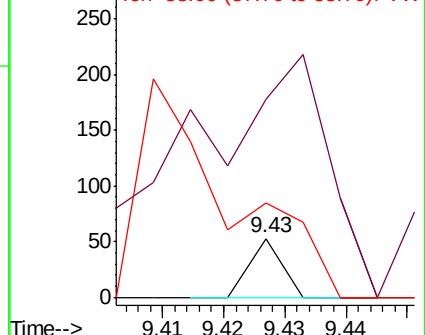
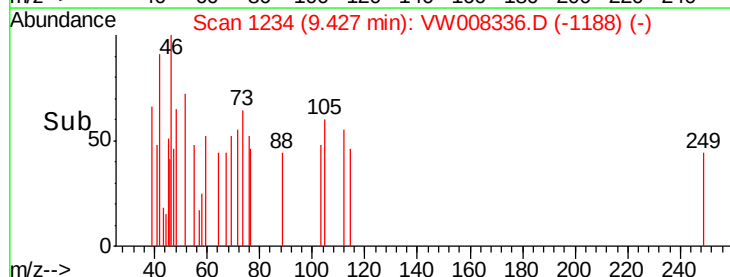
58 0.0 57.9 86.9#

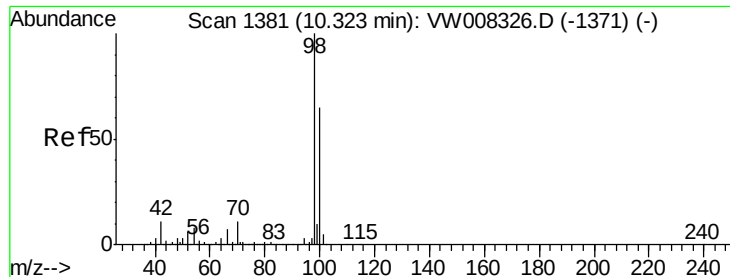


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

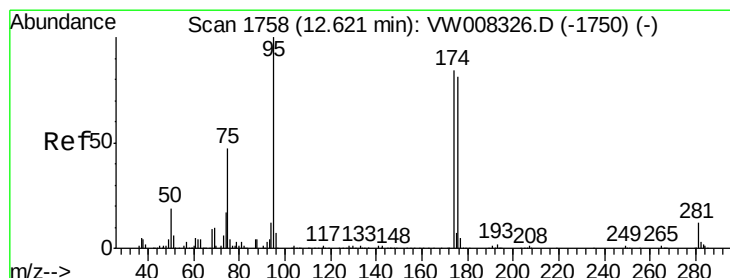
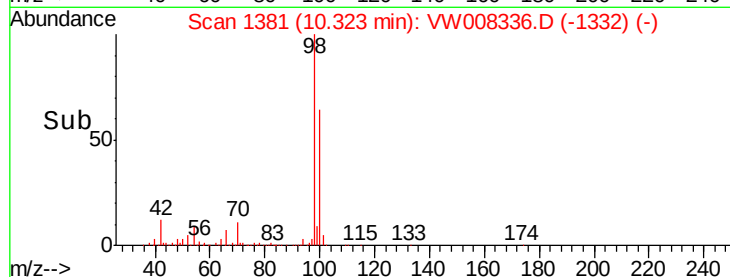
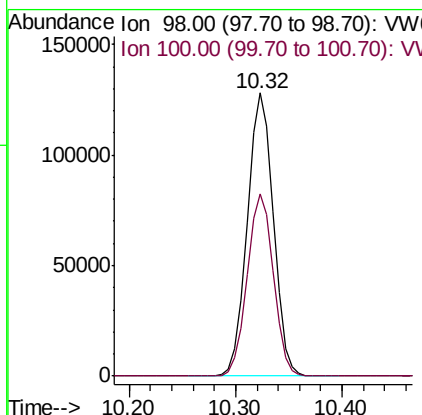
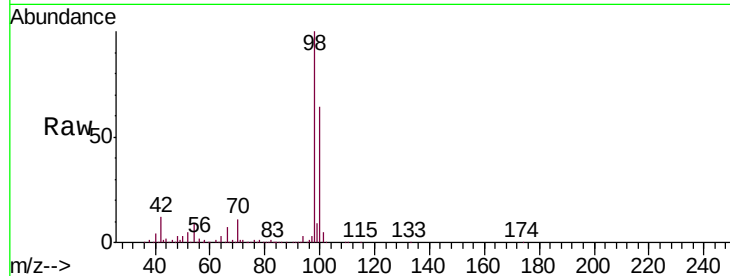




#50
Toluene-d8
Concen: 49.932 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008336.D
Acq: 17 Jan 2019 18:52

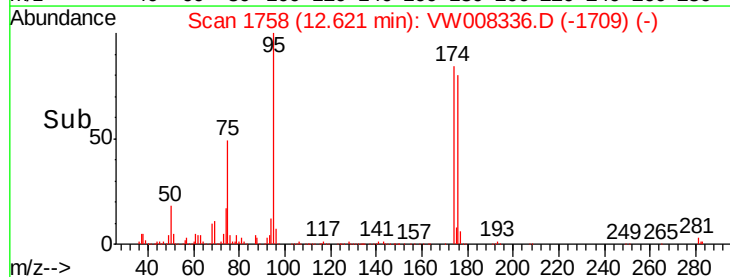
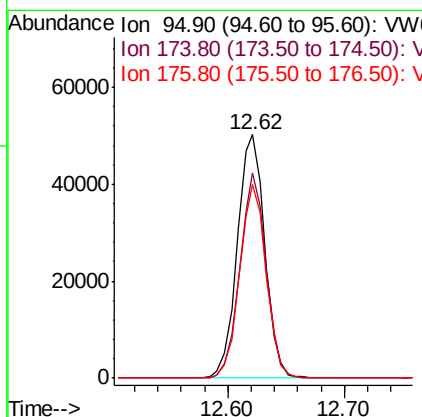
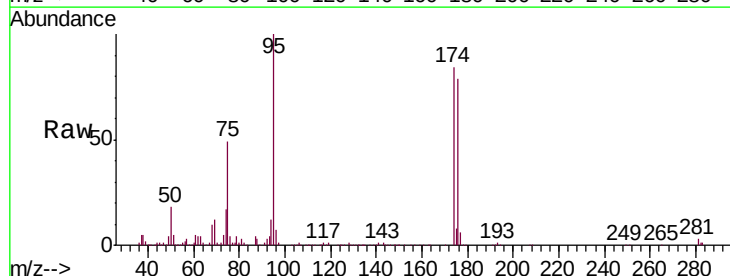
Instrument :
MSVOA_W
ClientSampleId :
SITE4-04

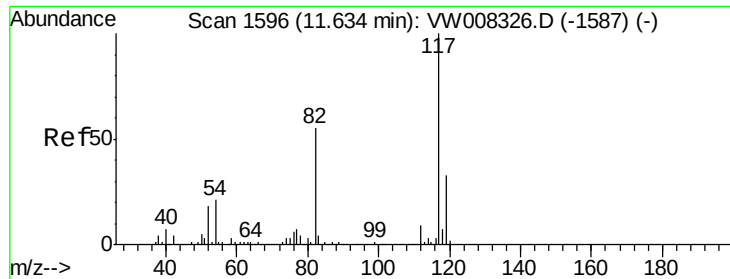
Tgt Ion: 98 Resp: 221047
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 52.075 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008336.D
Acq: 17 Jan 2019 18:52

Tgt Ion: 95 Resp: 82680
Ion Ratio Lower Upper
95 100
174 80.1 0.0 166.0
176 76.3 0.0 160.0

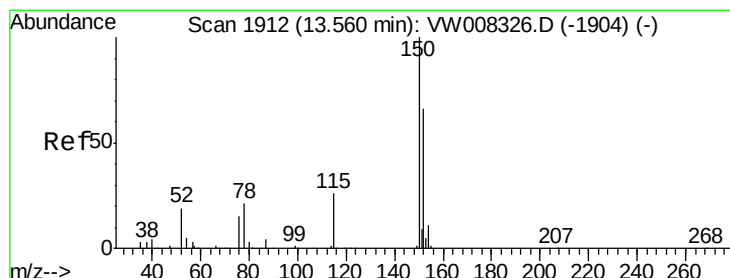
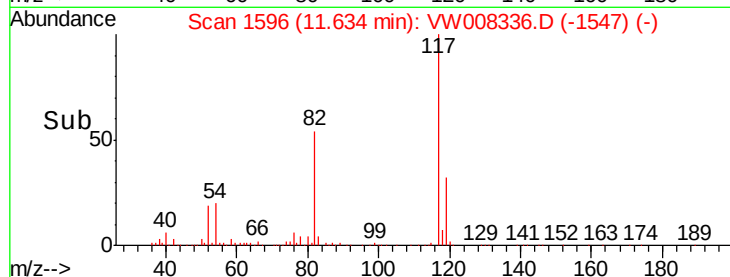
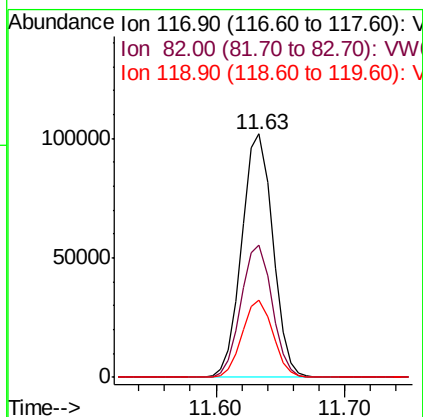
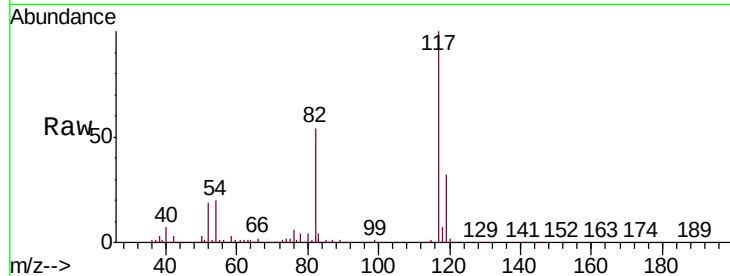




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008336.D
Acq: 17 Jan 2019 18:52

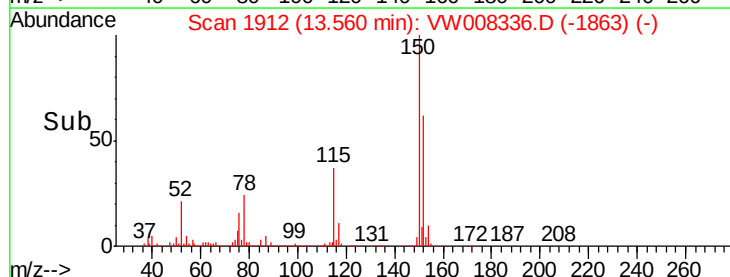
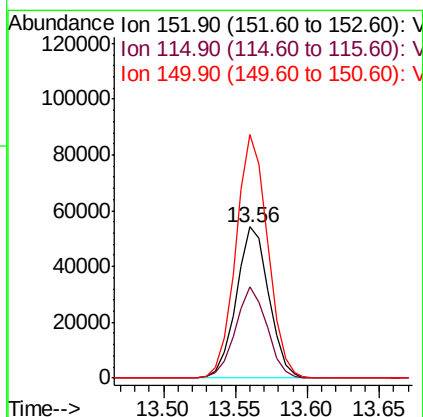
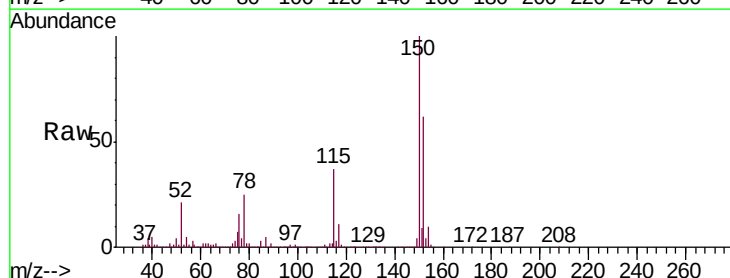
Instrument :
MSVOA_W
ClientSampleId :
SITE4-04

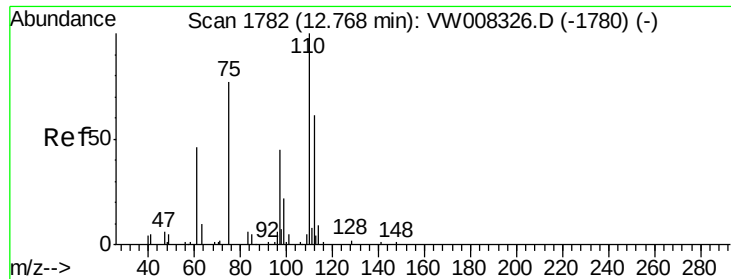
Tgt Ion:117 Resp: 169972
Ion Ratio Lower Upper
117 100
82 54.3 44.3 66.5
119 31.7 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008336.D
Acq: 17 Jan 2019 18:52

Tgt Ion:152 Resp: 85028
Ion Ratio Lower Upper
152 100
115 58.5 28.8 86.4
150 157.6 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 51.731 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008336.D

Acq: 17 Jan 2019 18:52

Instrument :

MSVOA_W

ClientSampled :

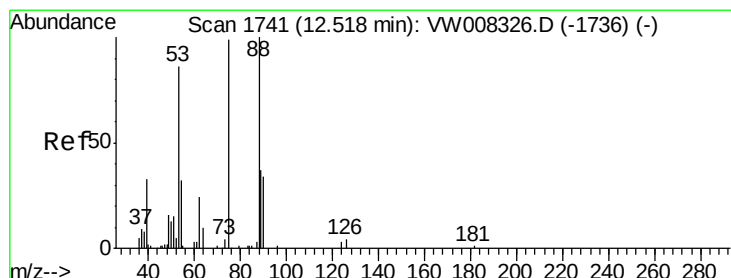
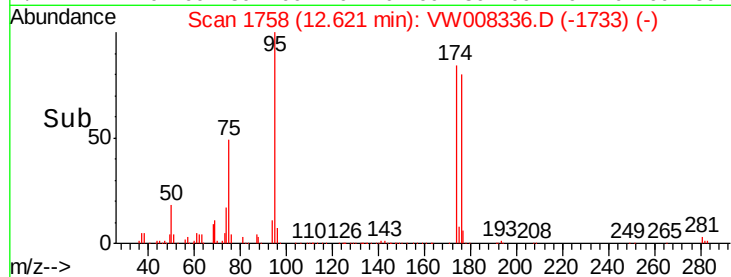
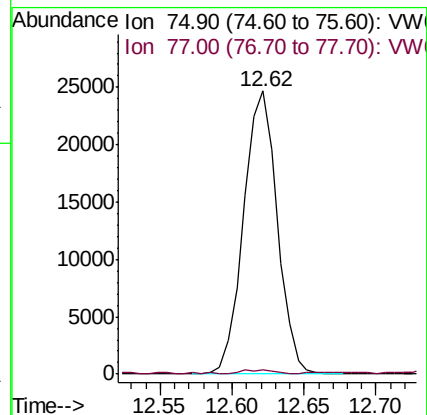
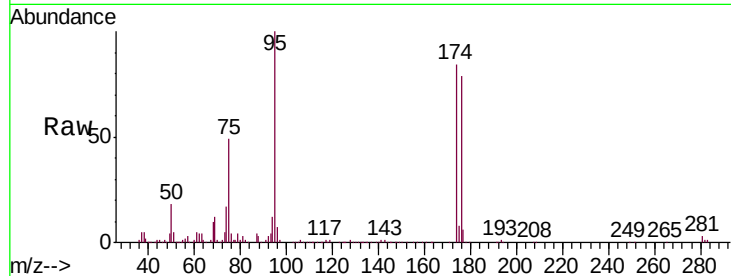
SITE4-04

Tgt Ion: 75 Resp: 40056

Ion Ratio Lower Upper

75 100

77 1.7 175.3 526.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.452 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008336.D

Acq: 17 Jan 2019 18:52

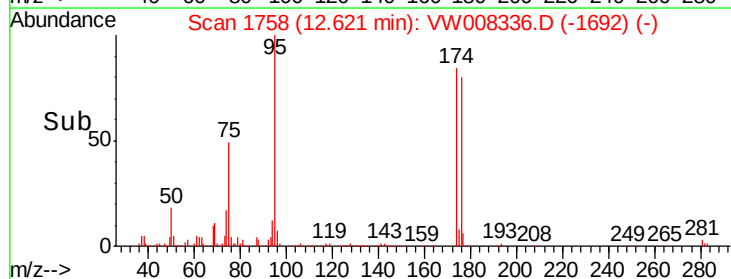
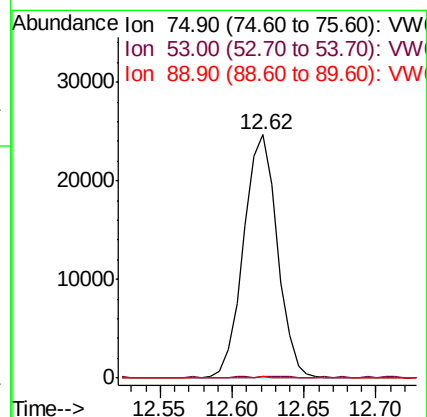
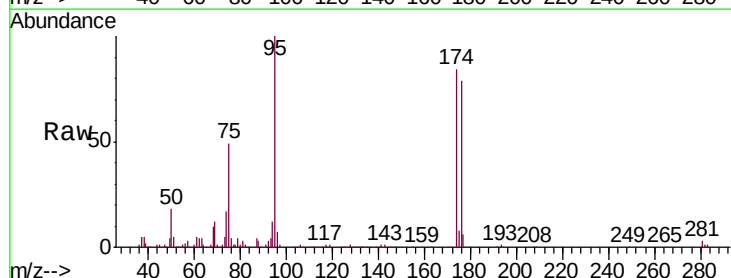
Tgt Ion: 75 Resp: 40056

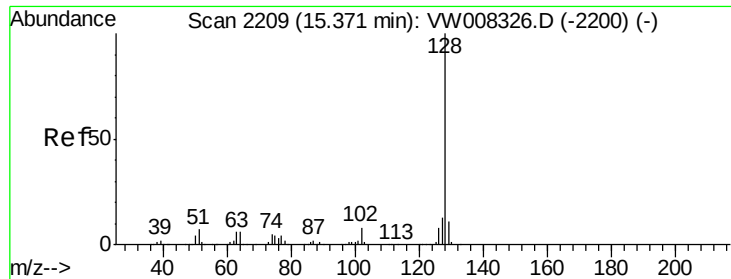
Ion Ratio Lower Upper

75 100

53 0.4 76.2 114.4#

89 0.2 36.7 55.1#

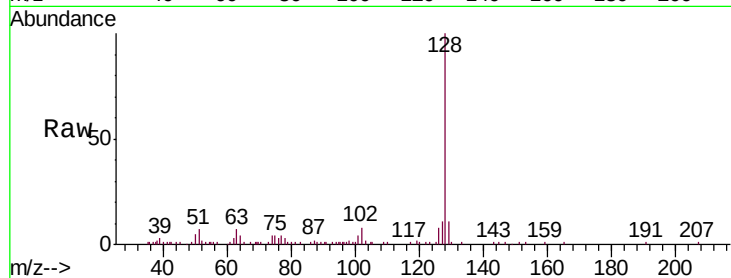




#95
Naphthalene
Concen: 7.763 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008336.D
Acq: 17 Jan 2019 18:52

Instrument :
MSVOA_W
ClientSampleId :
SITE4-04

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.5	15.7
129	16.3	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

