

Data File : VW010733.D
Acq On : 07 Jun 2019 17:08
Operator : SY/VA
Sample : K3163-05
Misc : 6.32G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SU-04-060719-A

Quant Time: Jun 08 02:40:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	188391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	331294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	281081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120269	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	138001	62.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.30%	
35) Dibromofluoromethane	7.88	113	93231	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
50) Toluene-d8	10.32	98	427698	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	
62) 4-Bromofluorobenzene	12.62	95	144702	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds

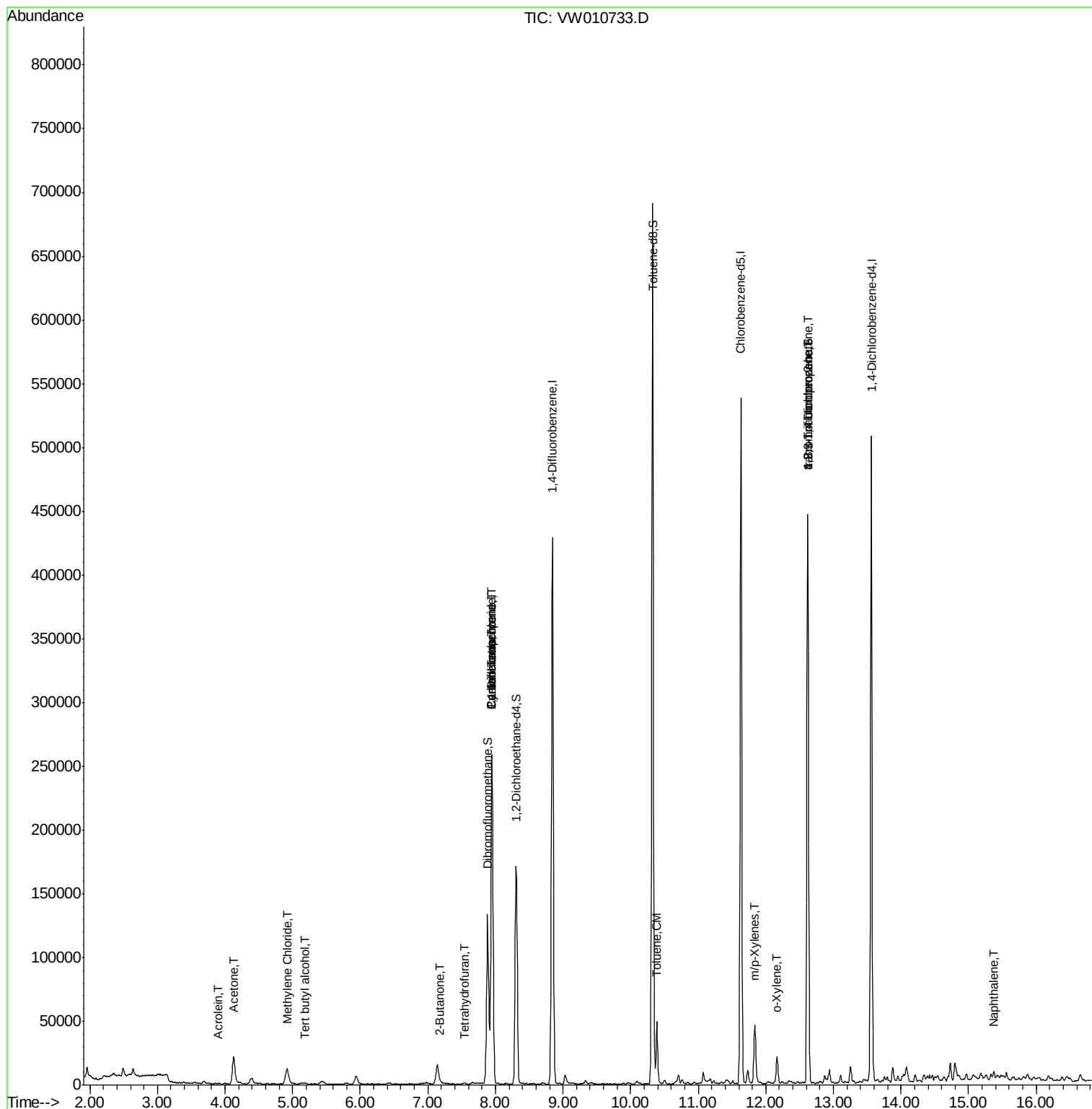
						Qvalue
11) Tert butyl alcohol	5.18	59	438	2.421	ug/l #	72
13) Acrolein	3.89	56	113	1.529	ug/l #	1
16) Acetone	4.12	43	39582	66.526	ug/l	98
20) Methylene Chloride	4.92	84	8159	3.909	ug/l	93
25) 2-Butanone	7.18	43	1999	2.423	ug/l	98
29) Tetrahydrofuran	7.54	42	597	1.150	ug/l #	40
31) Cyclohexane	7.95	56	5232	1.168	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	16808	4.956	ug/l #	52
38) Carbon Tetrachloride	7.95	117	18798	6.421	ug/l #	17
52) Toluene	10.38	92	19491	3.424	ug/l	98
68) m/p-Xylenes	11.83	106	12173	3.201	ug/l	100
69) o-Xylene	12.16	106	5053	1.401	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	79234	62.735	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79234	144.186	ug/l #	5
95) Naphthalene	15.37	128	4627	1.061	ug/l	97

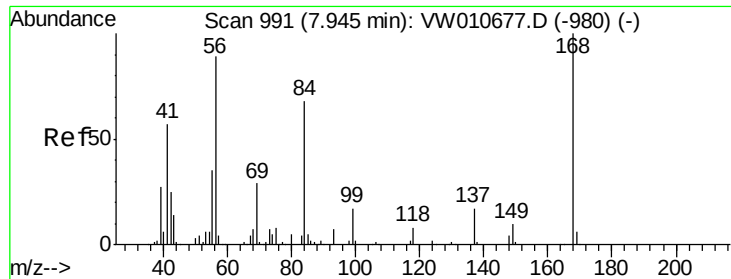
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

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Acq: 07 Jun 2019 17:08

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MSVOA_W

ClientSampleId :

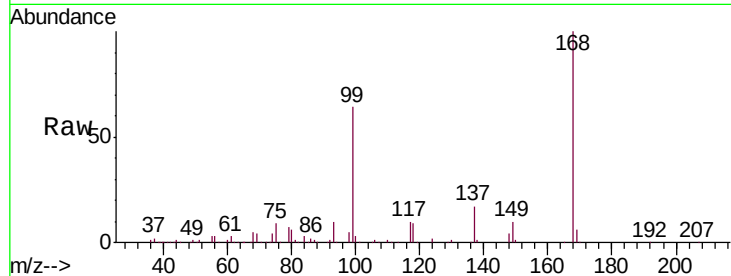
SU-04-060719-A

Tgt Ion:168 Resp: 188391

Ion Ratio Lower Upper

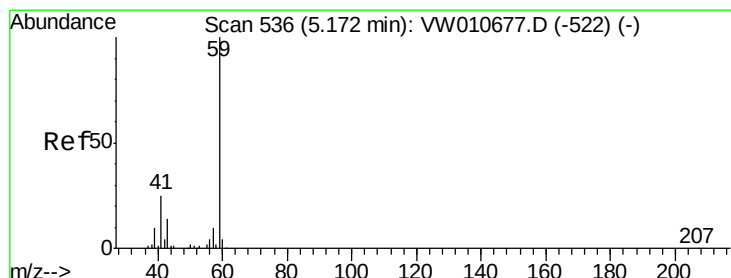
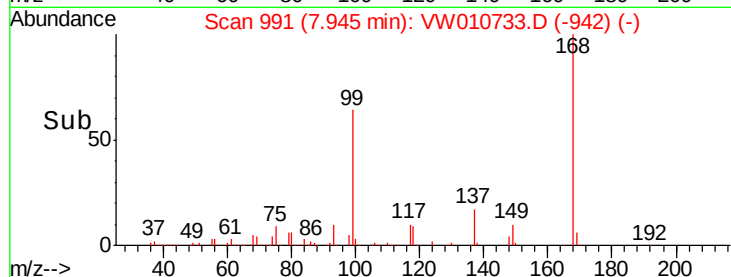
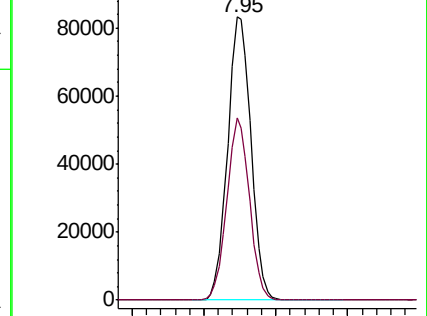
168 100

99 64.4 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.421 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW010733.D

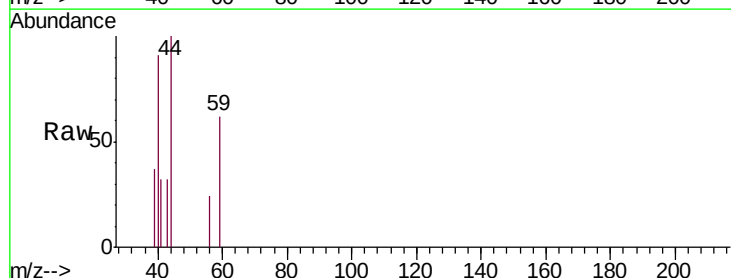
Acq: 07 Jun 2019 17:08

Tgt Ion: 59 Resp: 438

Ion Ratio Lower Upper

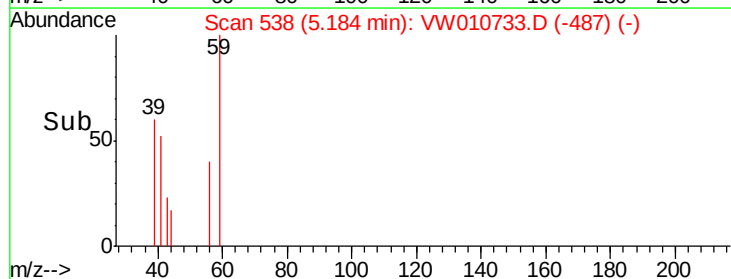
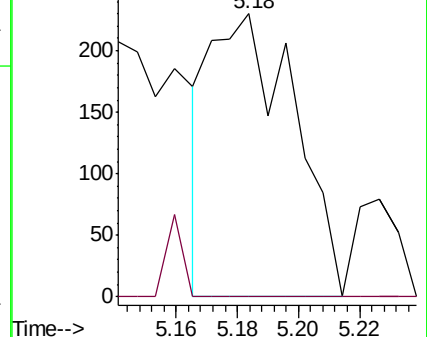
59 100

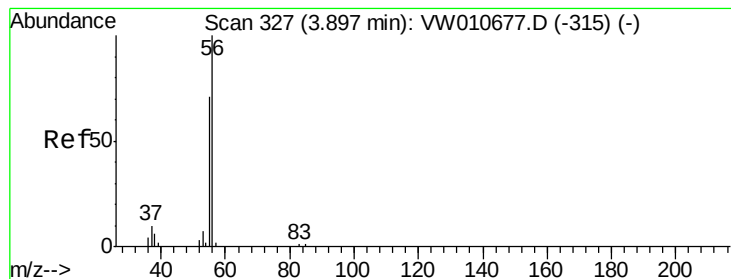
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.529 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW010733.D

Acq: 07 Jun 2019 17:08

Instrument :

MSVOA_W

ClientSampleId :

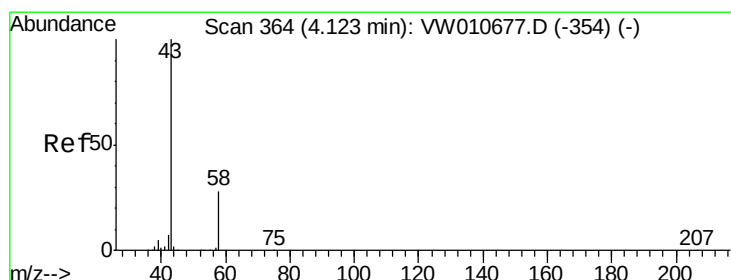
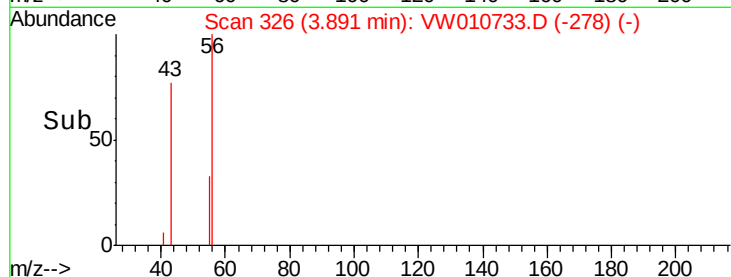
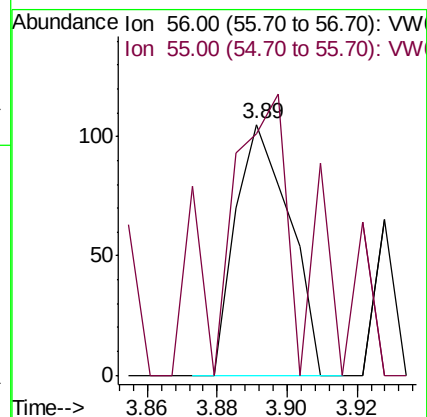
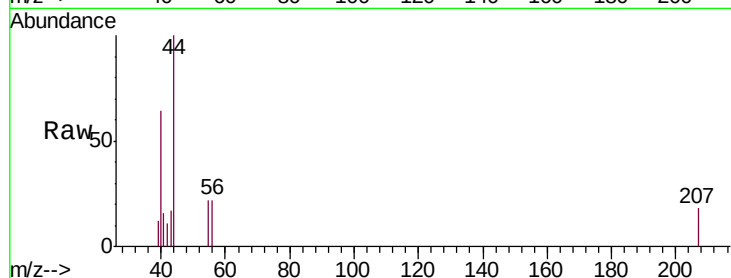
SU-04-060719-A

Tgt Ion: 56 Resp: 113

Ion Ratio Lower Upper

56 100

55 176.1 57.6 86.4#



#16

Acetone

Concen: 66.526 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010733.D

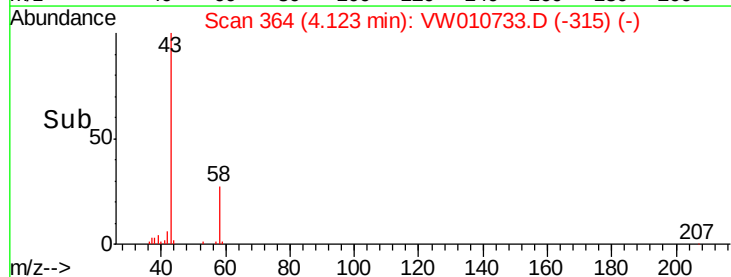
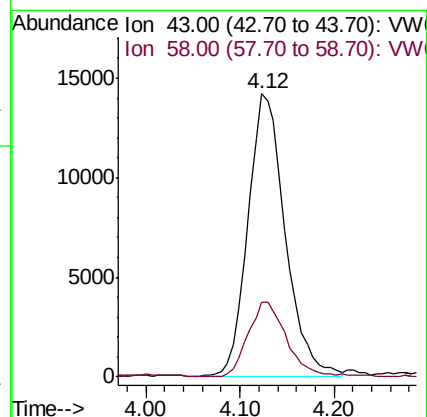
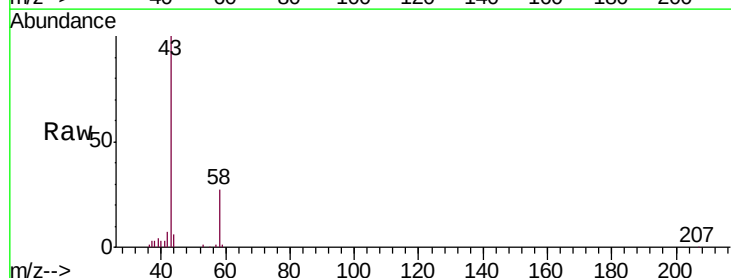
Acq: 07 Jun 2019 17:08

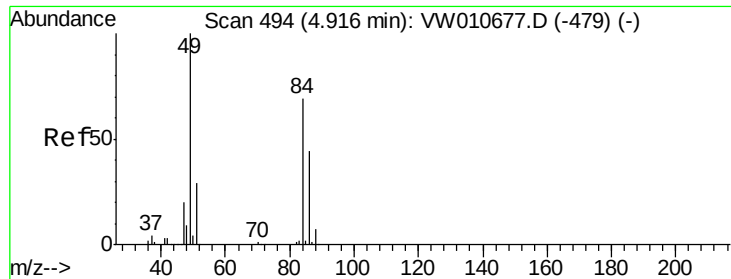
Tgt Ion: 43 Resp: 39582

Ion Ratio Lower Upper

43 100

58 26.6 22.1 33.1

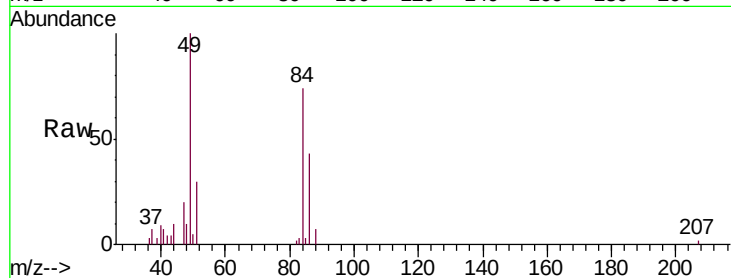




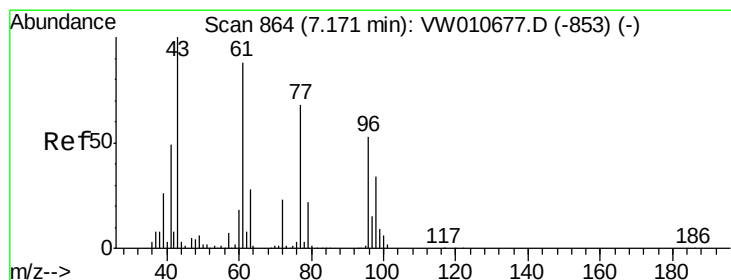
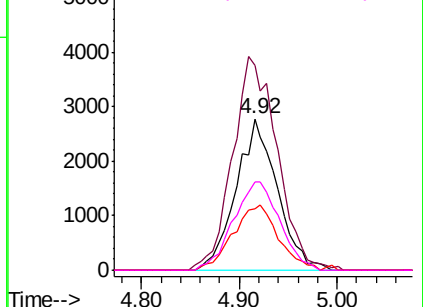
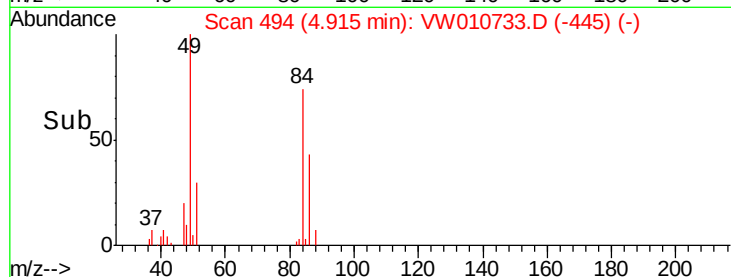
#20
Methylene Chloride
Concen: 3.909 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010733.D
Acq: 07 Jun 2019 17:08

Instrument :
MSVOA_W
ClientSampleId :
SU-04-060719-A

Tgt Ion: 84 Resp: 8159
Ion Ratio Lower Upper
84 100
49 135.3 116.7 175.1
51 40.2 34.2 51.2
86 58.0 51.2 76.8

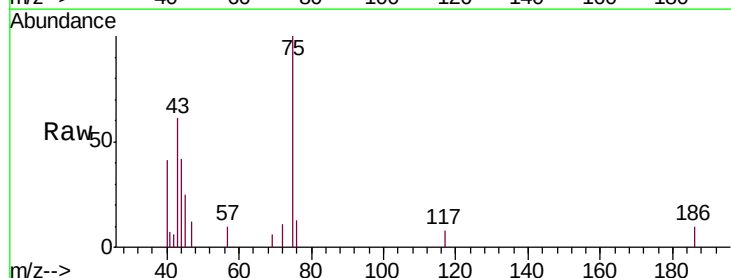


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

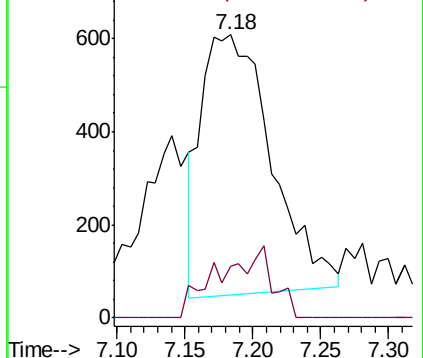
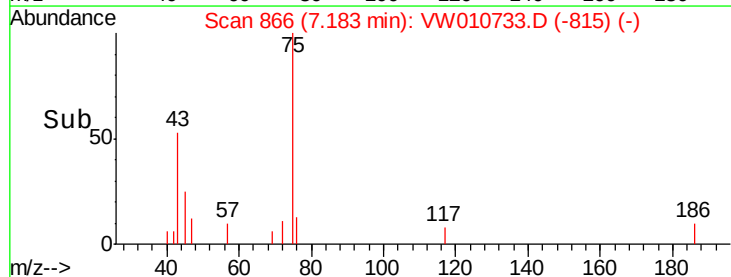


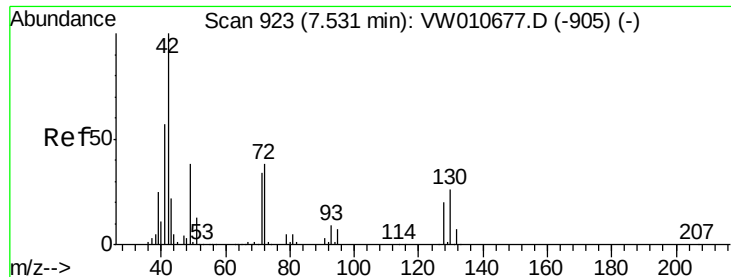
#25
2-Butanone
Concen: 2.423 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW010733.D
Acq: 07 Jun 2019 17:08

Tgt Ion: 43 Resp: 1999
Ion Ratio Lower Upper
43 100
72 21.7 18.1 27.1



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





#29

Tetrahydrofuran

Concen: 1.150 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW010733.D

Acq: 07 Jun 2019 17:08

Instrument :

MSVOA_W

ClientSampleId :

SU-04-060719-A

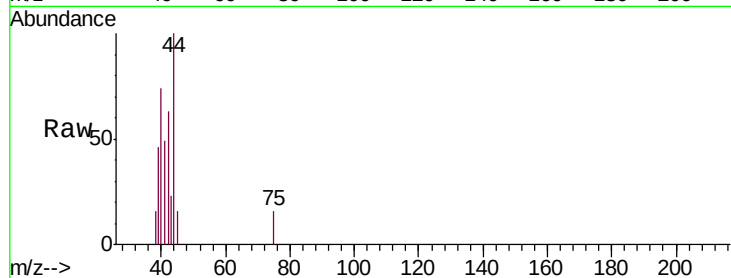
Tgt Ion: 42 Resp: 597

Ion Ratio Lower Upper

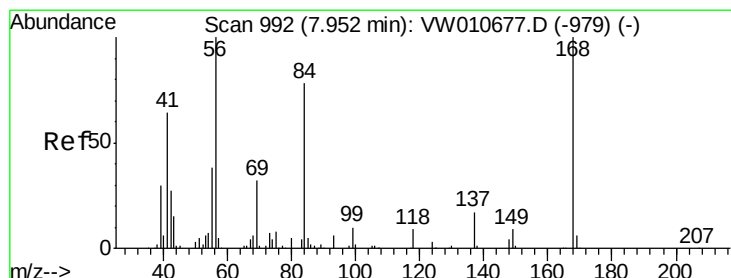
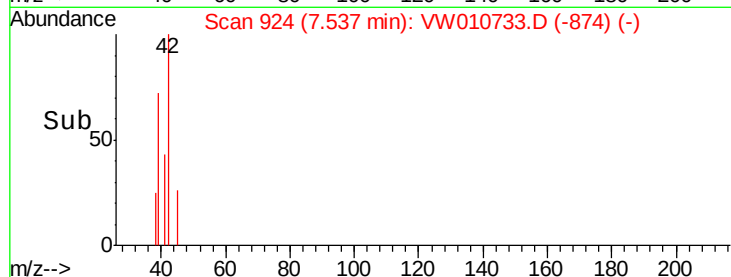
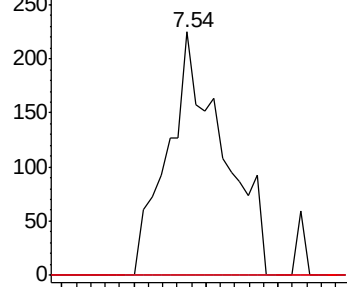
42 100

72 0.0 28.7 43.1#

71 0.0 26.6 39.8#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.168 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010733.D

Acq: 07 Jun 2019 17:08

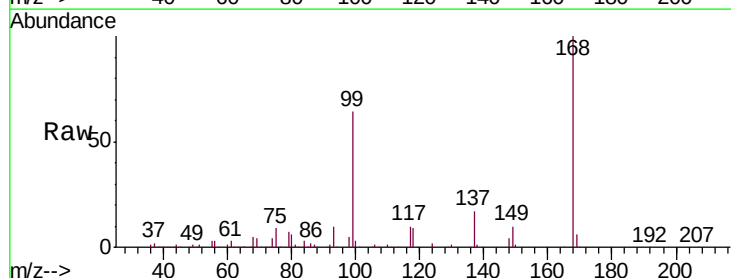
Tgt Ion: 56 Resp: 5232

Ion Ratio Lower Upper

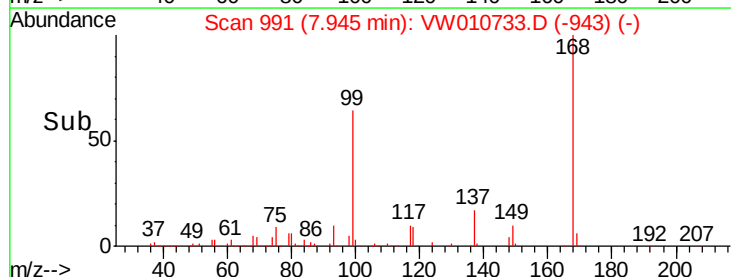
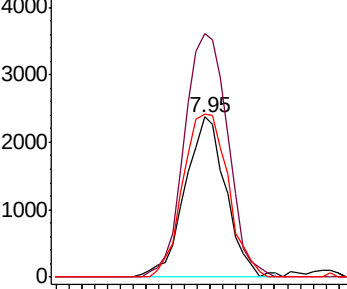
56 100

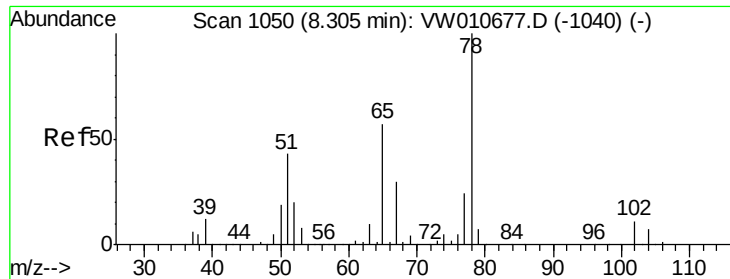
69 152.2 25.2 37.8#

84 102.1 62.2 93.2#



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

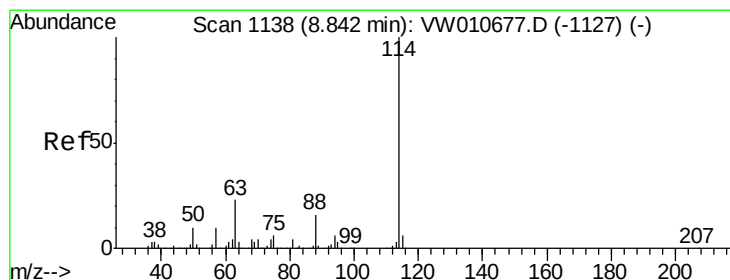
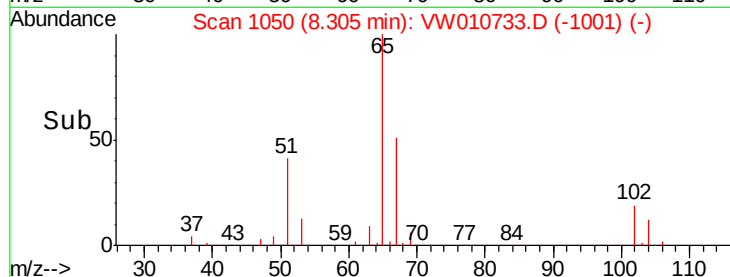
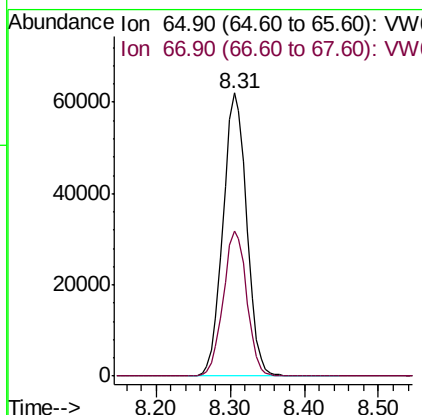
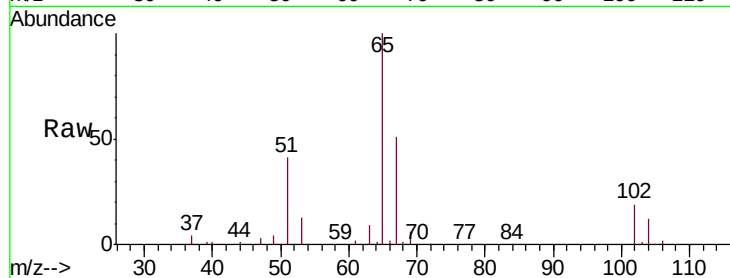




#33
 1,2-Dichloroethane-d4
 Concen: 62.148 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010733.D
 Acq: 07 Jun 2019 17:08

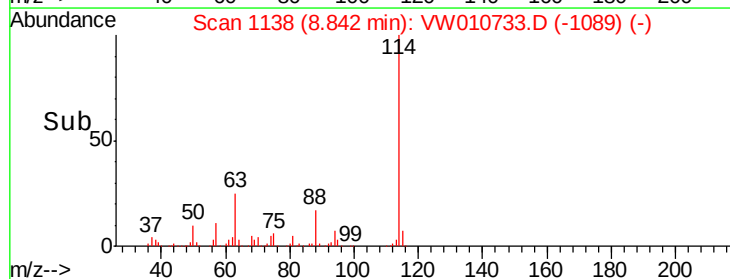
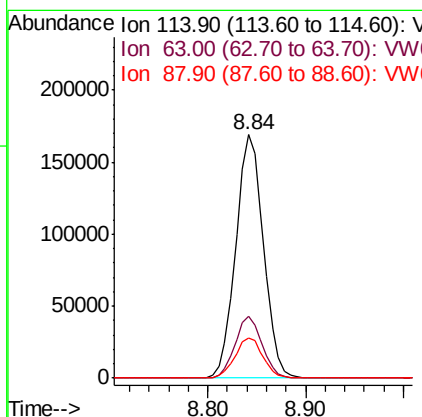
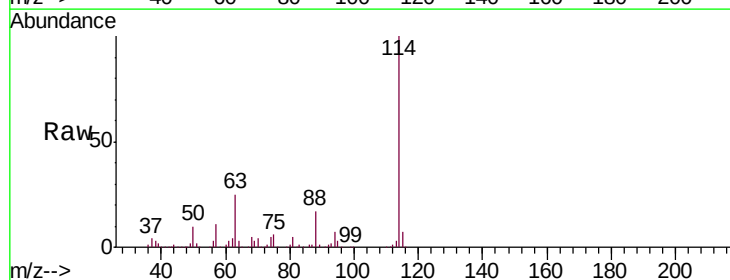
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-04-060719-A

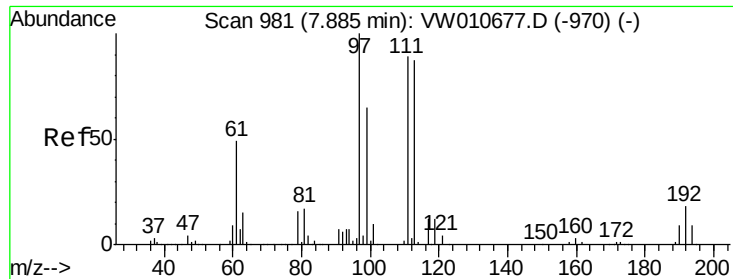
Tgt Ion: 65 Resp: 138001
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010733.D
 Acq: 07 Jun 2019 17:08

Tgt Ion: 114 Resp: 331294
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 46.4
 88 16.6 0.0 32.2

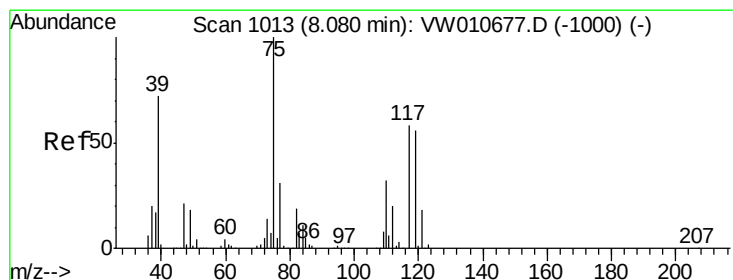
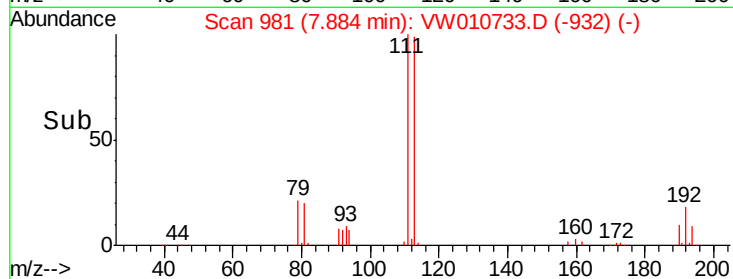
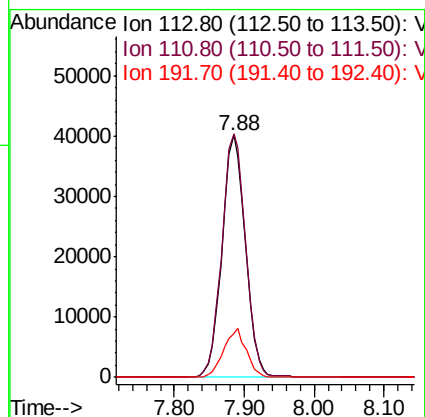
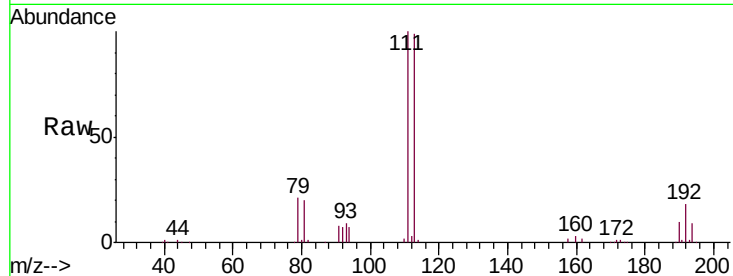




#35
 Dibromofluoromethane
 Concen: 51.847 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010733.D
 Acq: 07 Jun 2019 17:08

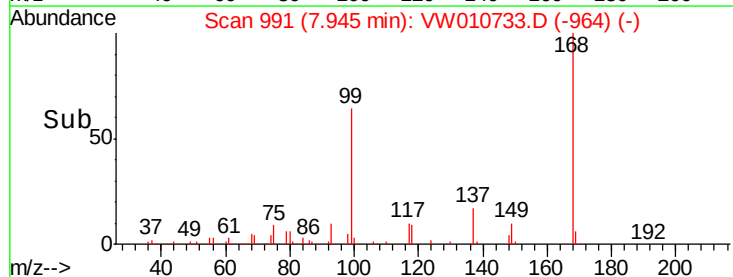
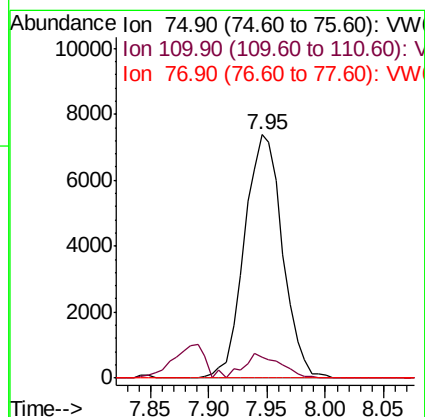
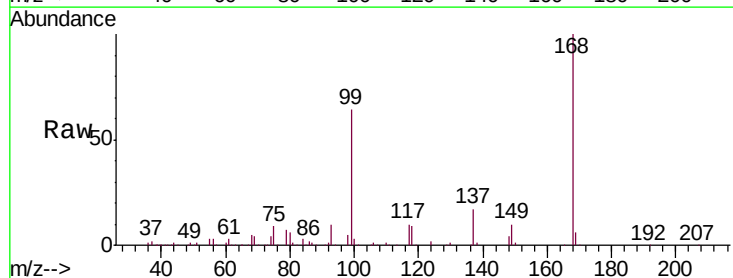
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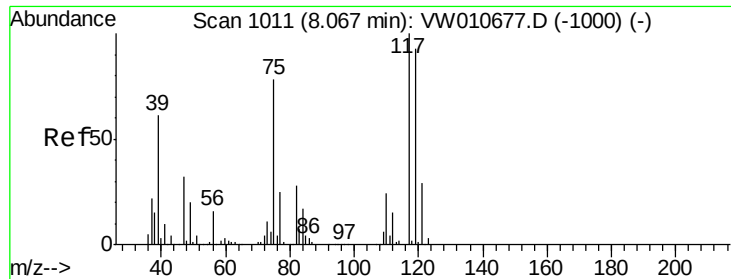
Tgt Ion:113 Resp: 93231
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.6 123.8
 192 19.6 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 4.956 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010733.D
 Acq: 07 Jun 2019 17:08

Tgt Ion: 75 Resp: 16808
 Ion Ratio Lower Upper
 75 100
 110 9.5 15.8 47.3#
 77 0.0 24.7 37.1#

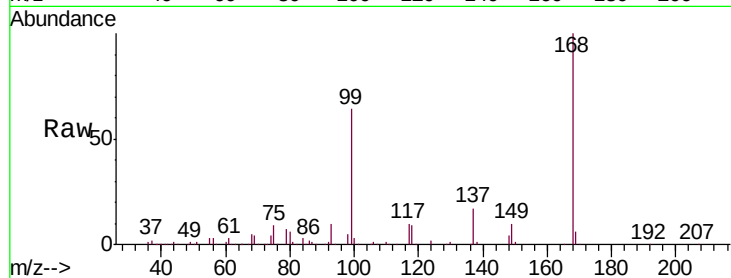




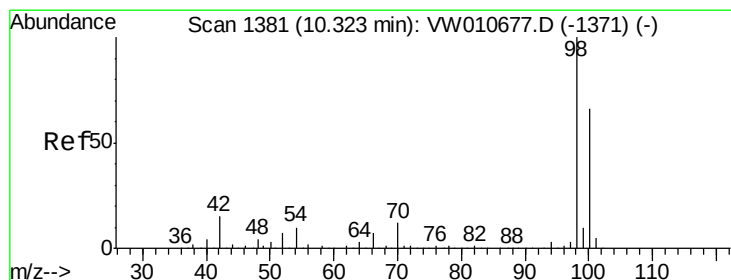
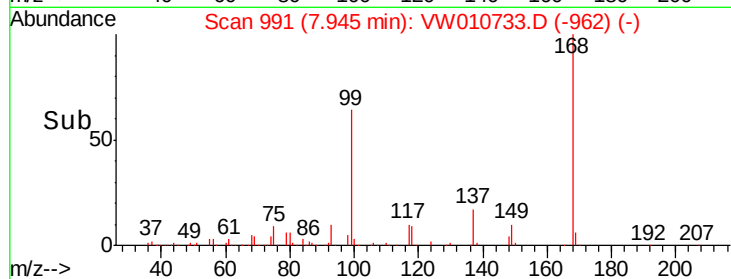
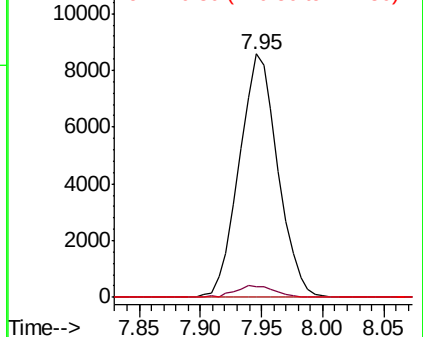
#38
Carbon Tetrachloride
Concen: 6.421 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010733.D
Acq: 07 Jun 2019 17:08

Instrument :
MSVOA_W
ClientSampleId :
SU-04-060719-A

Tgt Ion:117 Resp: 18798
Ion Ratio Lower Upper
117 100
119 4.5 74.2 111.4#
121 0.0 22.9 34.3#

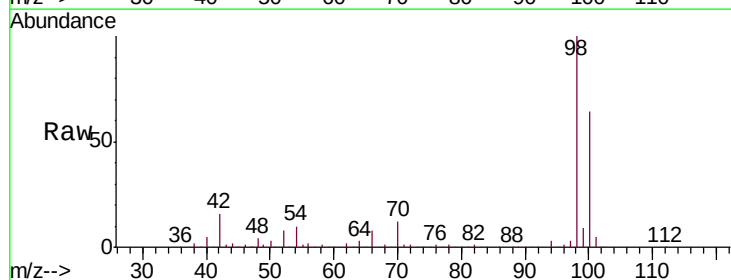


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

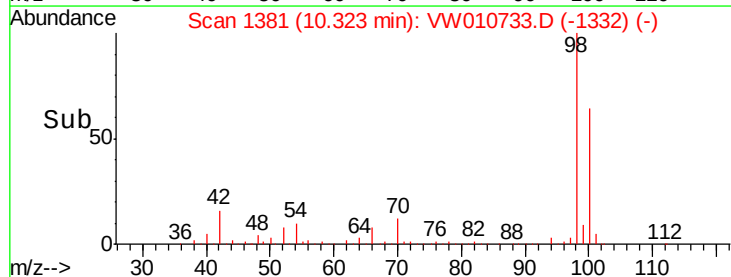
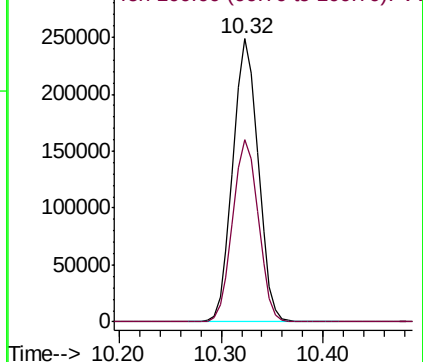


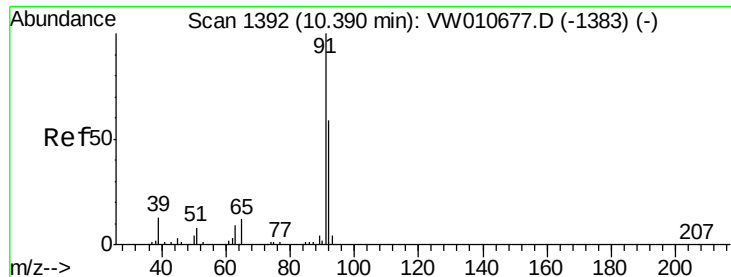
#50
Toluene-d8
Concen: 54.240 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010733.D
Acq: 07 Jun 2019 17:08

Tgt Ion: 98 Resp: 427698
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 3.424 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010733.D

Acq: 07 Jun 2019 17:08

Instrument :

MSVOA_W

ClientSampleId :

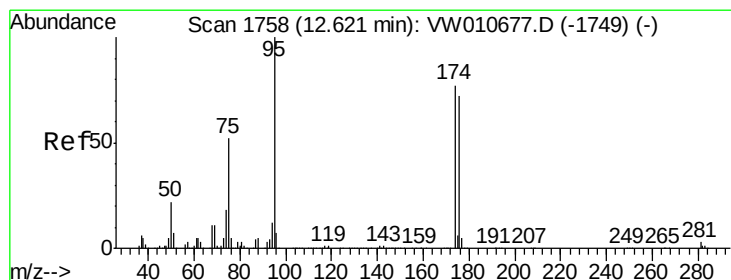
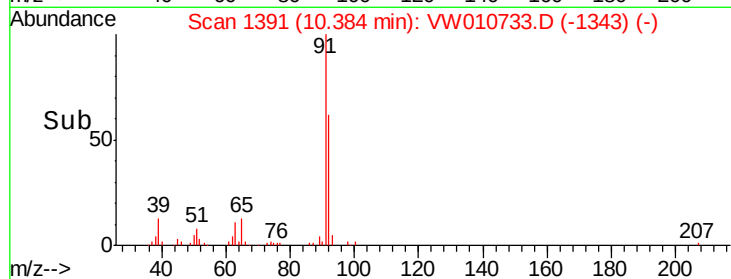
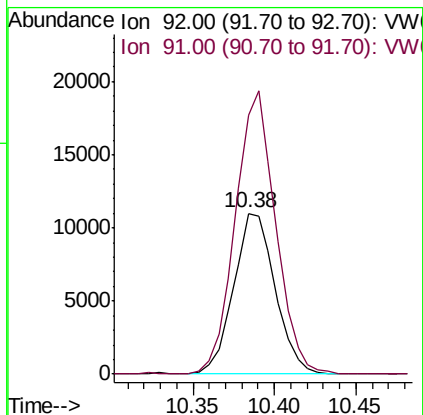
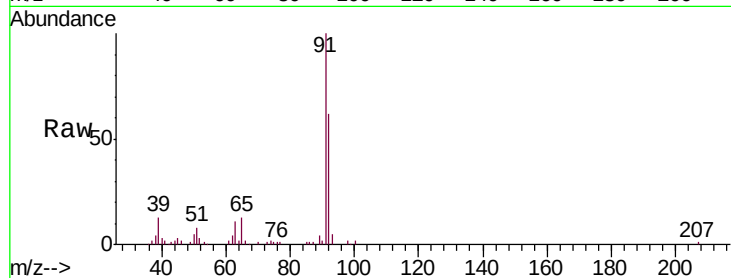
SU-04-060719-A

Tgt Ion: 92 Resp: 19491

Ion Ratio Lower Upper

92 100

91 170.7 134.9 202.3



#62

4-Bromofluorobenzene

Concen: 50.430 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010733.D

Acq: 07 Jun 2019 17:08

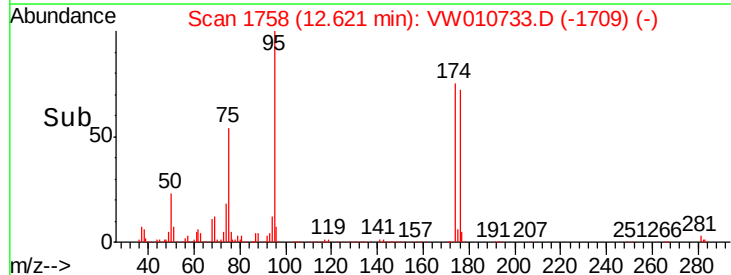
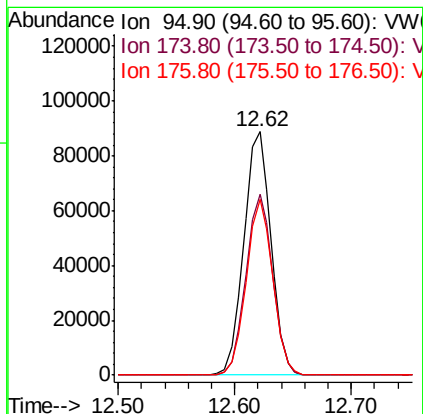
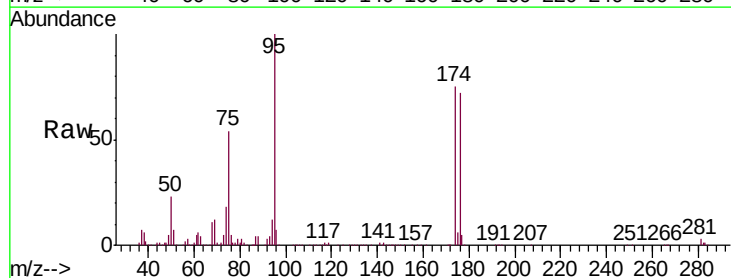
Tgt Ion: 95 Resp: 144702

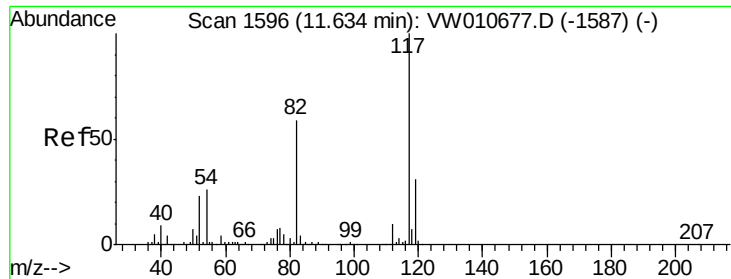
Ion Ratio Lower Upper

95 100

174 73.5 0.0 150.4

176 70.4 0.0 144.8

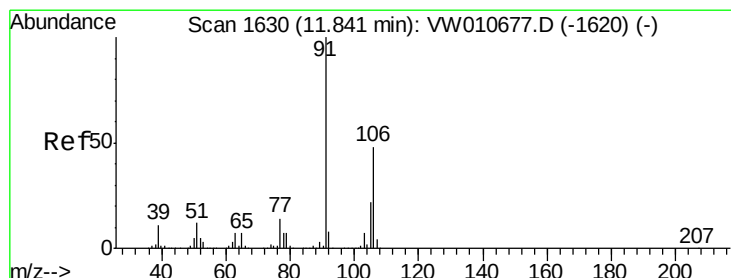
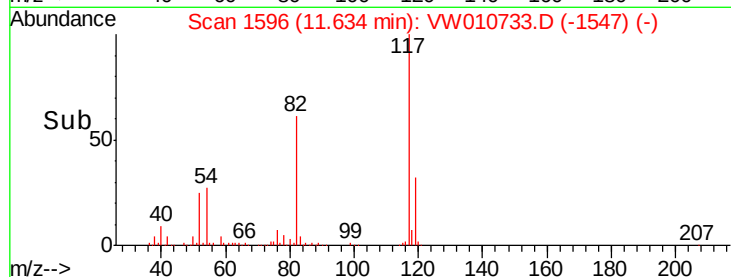
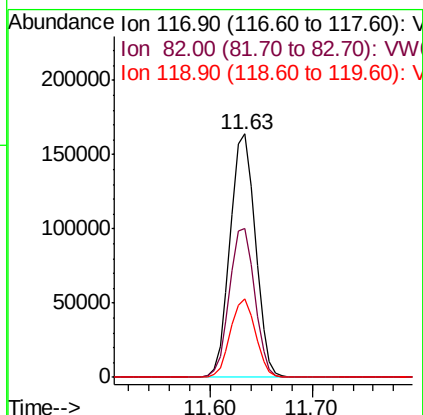
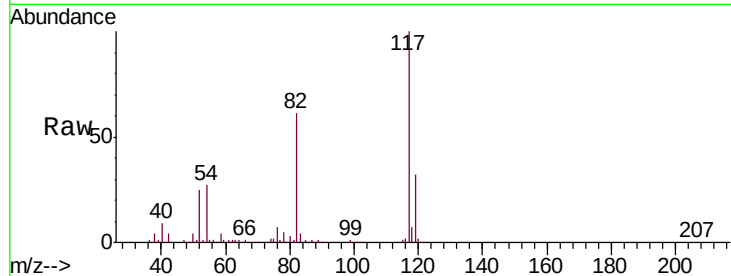




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010733.D
Acq: 07 Jun 2019 17:08

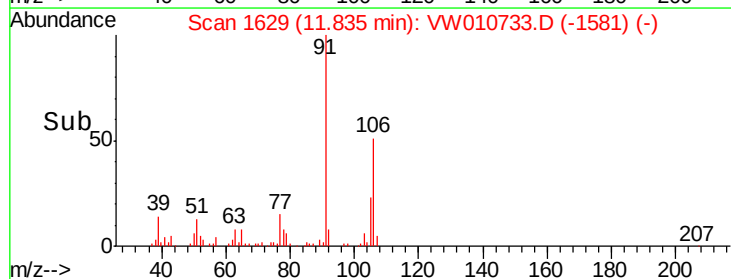
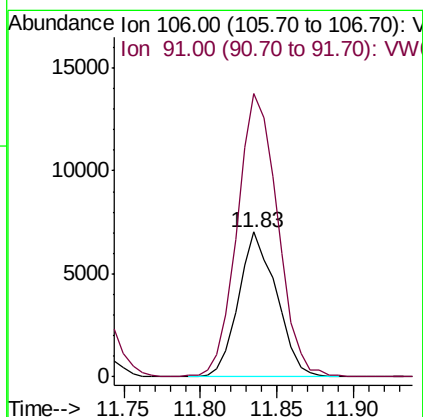
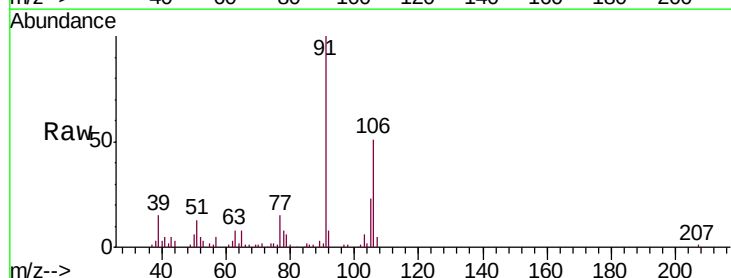
Instrument :
MSVOA_W
ClientSampleId :
SU-04-060719-A

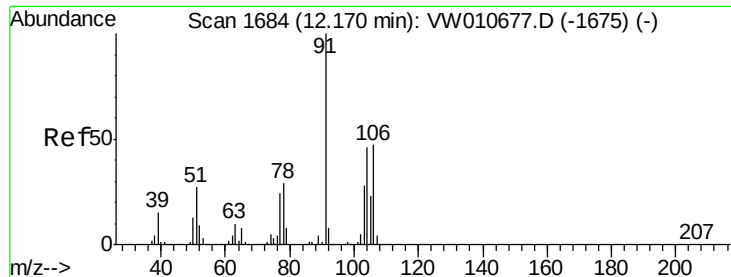
Tgt Ion:117 Resp: 281081
Ion Ratio Lower Upper
117 100
82 61.0 47.0 70.4
119 32.4 25.1 37.7



#68
m/p-Xylenes
Concen: 3.201 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW010733.D
Acq: 07 Jun 2019 17:08

Tgt Ion:106 Resp: 12173
Ion Ratio Lower Upper
106 100
91 207.4 166.5 249.7

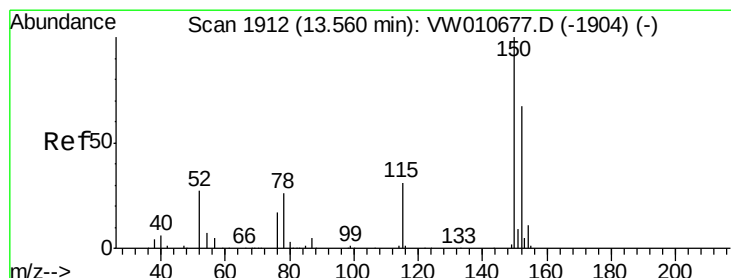
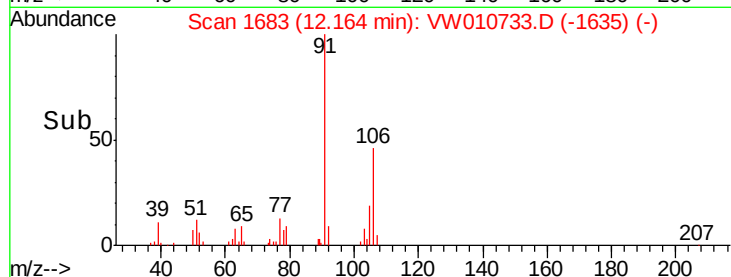
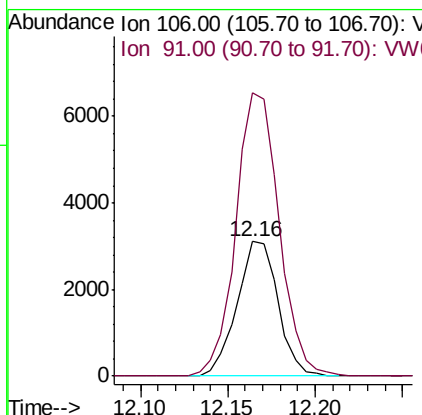
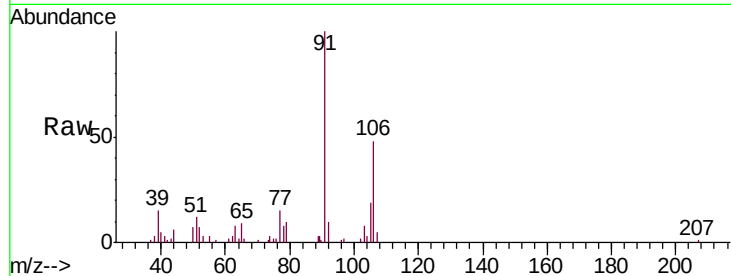




#69
o-Xylene
Concen: 1.401 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010733.D
Acq: 07 Jun 2019 17:08

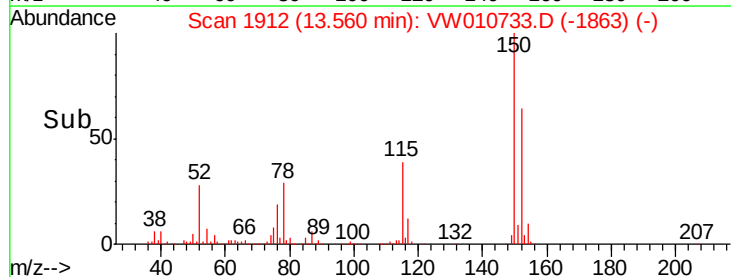
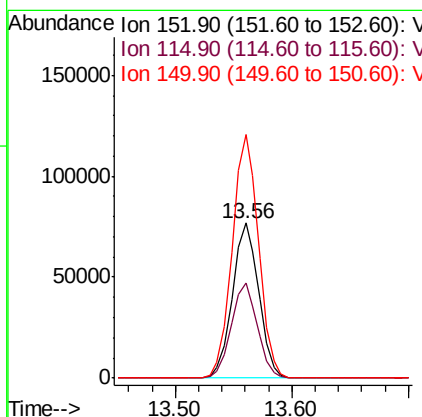
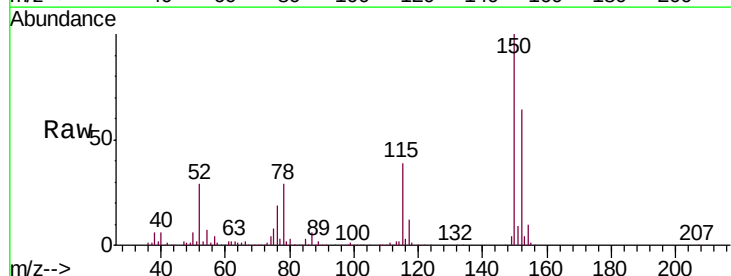
Instrument :
MSVOA_W
ClientSampleId :
SU-04-060719-A

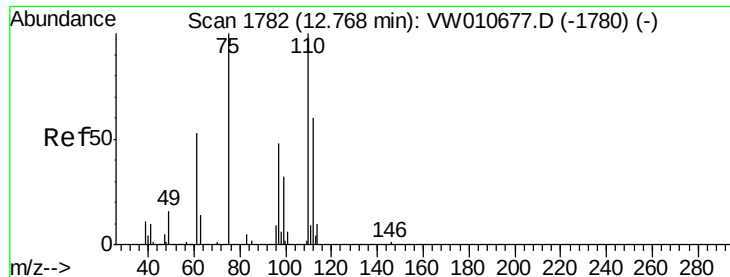
Tgt Ion:106 Resp: 5053
Ion Ratio Lower Upper
106 100
91 222.5 108.9 326.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010733.D
Acq: 07 Jun 2019 17:08

Tgt Ion:152 Resp: 120269
Ion Ratio Lower Upper
152 100
115 61.0 29.8 89.3
150 157.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 62.735 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010733.D

Acq: 07 Jun 2019 17:08

Instrument :

MSVOA_W

ClientSampleId :

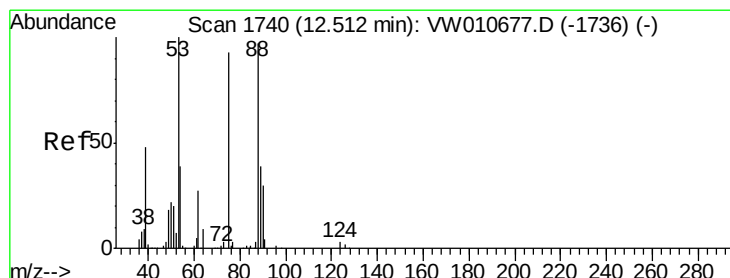
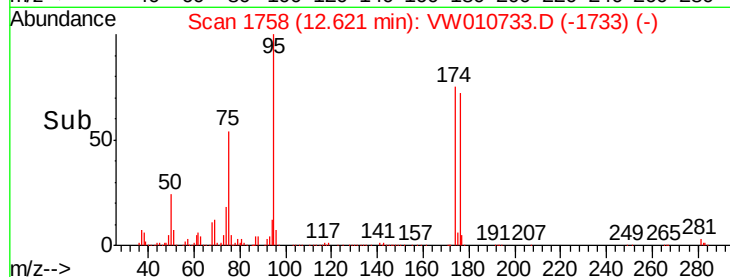
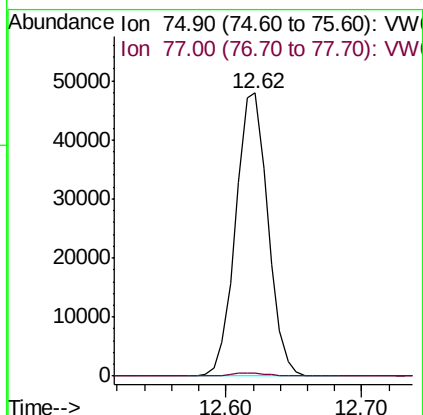
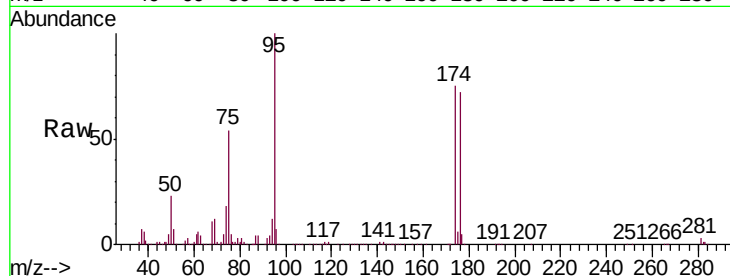
SU-04-060719-A

Tgt Ion: 75 Resp: 79234

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 144.186 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010733.D

Acq: 07 Jun 2019 17:08

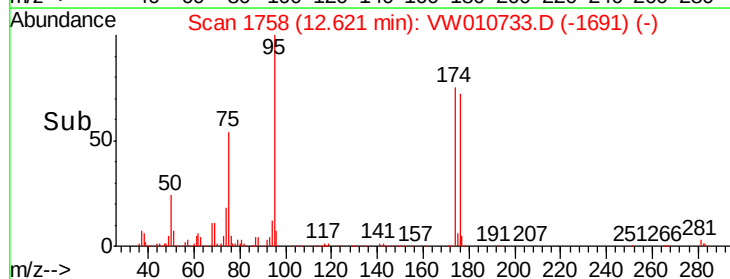
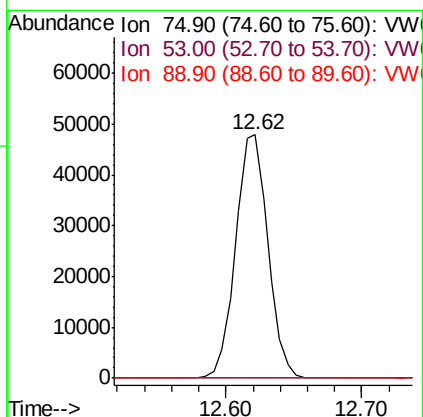
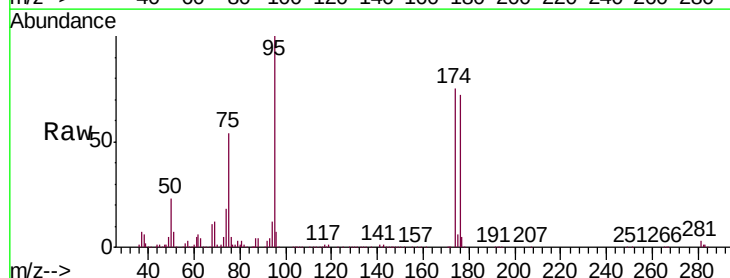
Tgt Ion: 75 Resp: 79234

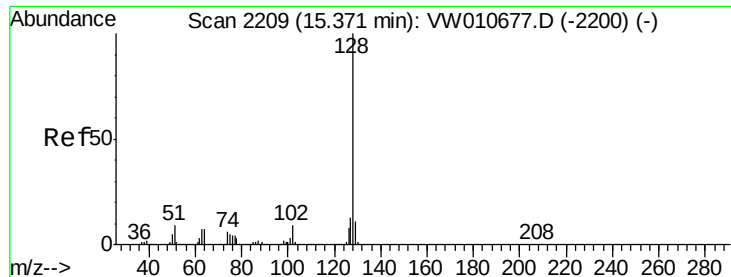
Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.1 34.6 52.0#

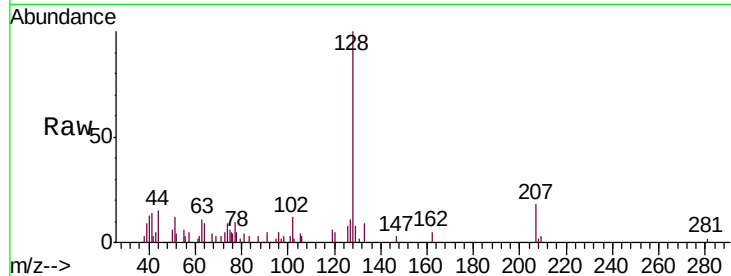




#95
Naphthalene
Concen: 1.061 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010733.D
Acq: 07 Jun 2019 17:08

Instrument :
MSVOA_W
ClientSampleId :
SU-04-060719-A

Tgt Ion:128 Resp: 4627
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 12.8 8.6 13.0



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

