

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009100.D
 Acq On : 11 Mar 2019 21:19
 Operator : SY/VA
 Sample : K1830-01
 Misc : 4.67G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BALLFIELD-SS-03072019

Quant Time: Mar 12 08:14:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	286050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	465864	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	428880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	207991	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	175274	60.90	ug/l	0.00
Spiked Amount			Recovery	=	121.80%	
35) Dibromofluoromethane	7.88	113	145809	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
50) Toluene-d8	10.32	98	558320	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.62	95	199590	44.01	ug/l	0.00
Spiked Amount			Recovery	=	88.02%	

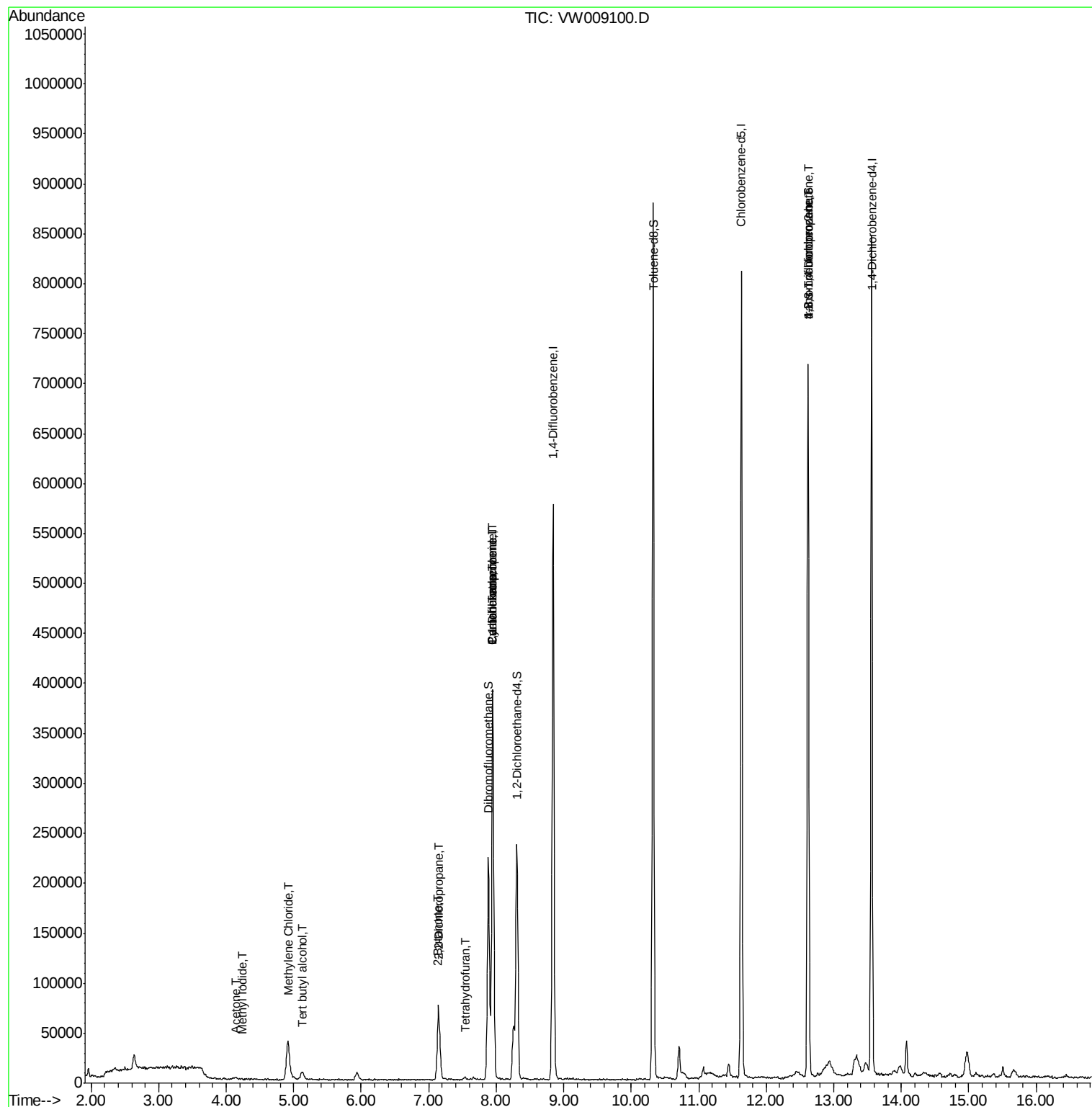
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.24	142	22	3.194	ug/l #	40
11) Tert butyl alcohol	5.12	59	3987	18.079	ug/l #	76
16) Acetone	4.14	43	3532	5.439	ug/l	94
20) Methylene Chloride	4.92	84	29518	4.752	ug/l	96
25) 2-Butanone	7.13	43	4082	4.548	ug/l #	79
26) 2,2-Dichloropropane	7.15	77	5586	1.176	ug/l #	54
29) Tetrahydrofuran	7.54	42	1767	3.124	ug/l	97
31) Cyclohexane	7.95	56	7396	1.378	ug/l #	48
36) 1,1-Dichloropropene	7.95	75	22923	4.706	ug/l #	51
38) Carbon Tetrachloride	7.95	117	28949	5.755	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	104095	63.345	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	104095	141.686	ug/l #	5

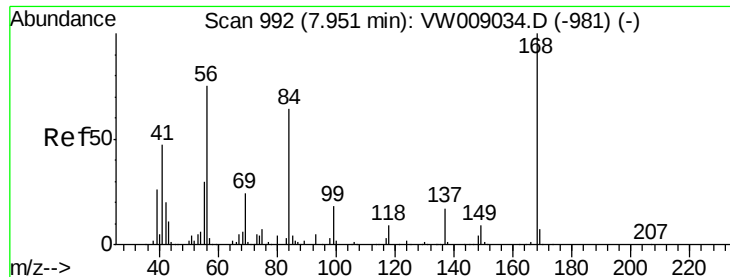
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009100.D

Acq: 11 Mar 2019 21:19

Instrument :

MSVOA_W

ClientSampleId :

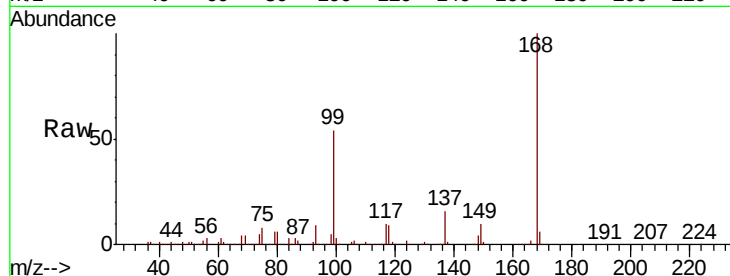
BALLFIELD-SS-03072019

Tgt Ion:168 Resp: 286050

Ion Ratio Lower Upper

168 100

99 54.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

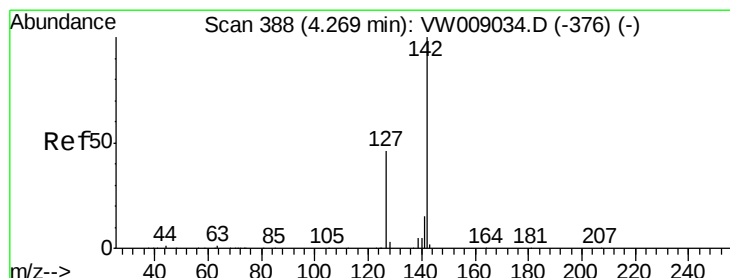
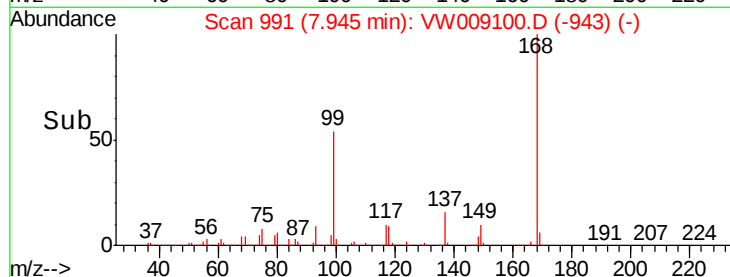
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 3.194 ug/l

RT: 4.24 min Scan# 384

Delta R.T. -0.02 min

Lab File: VW009100.D

Acq: 11 Mar 2019 21:19

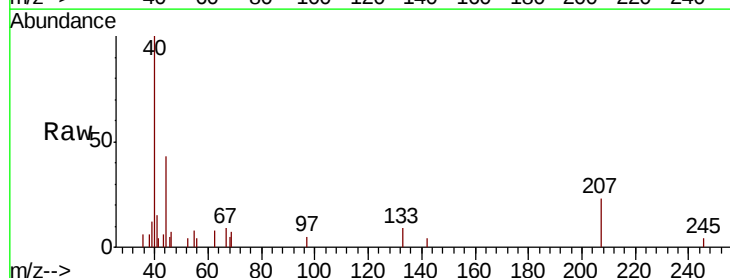
Tgt Ion:142 Resp: 22

Ion Ratio Lower Upper

142 100

127 0.0 35.8 53.6#

141 0.0 11.8 17.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.24

80

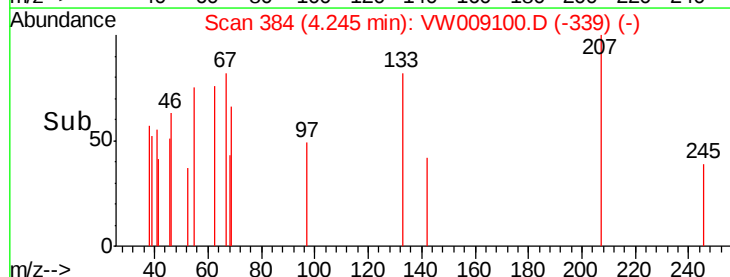
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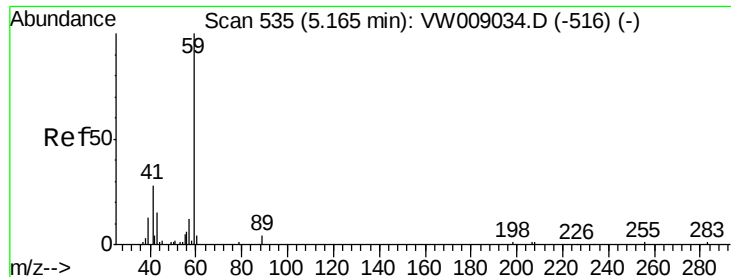
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20

0

Time-->



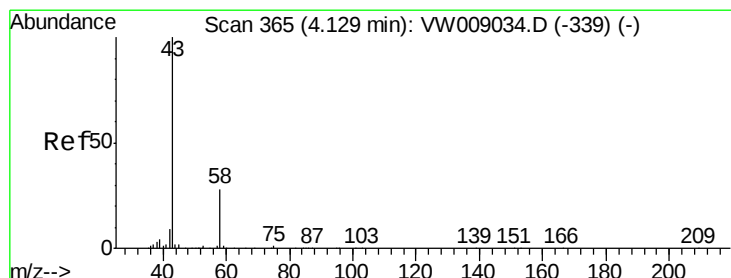
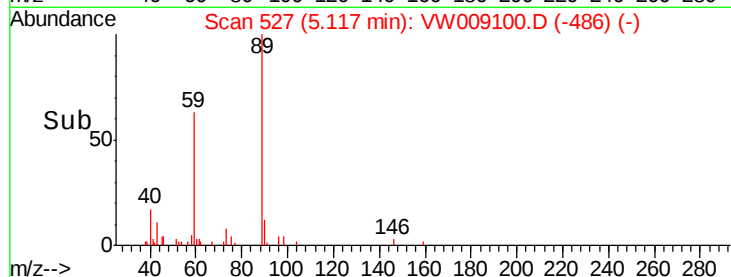
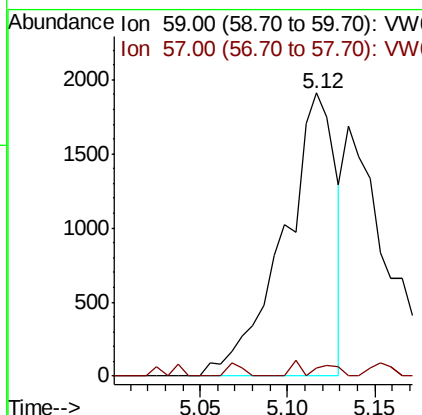
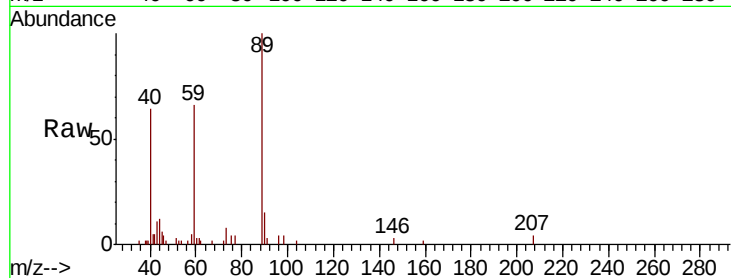


#11

Tert butyl alcohol
 Concen: 18.079 ug/l
 RT: 5.12 min Scan# 527
 Delta R.T. -0.05 min
 Lab File: VW009100.D
 Acq: 11 Mar 2019 21:19

Instrument :
 MSVOA_W
 ClientSampleId :
 BALLFIELD-SS-03072019

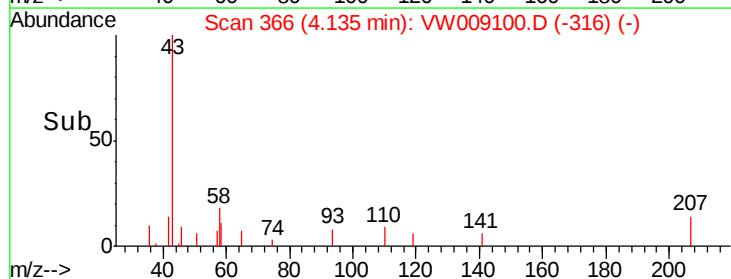
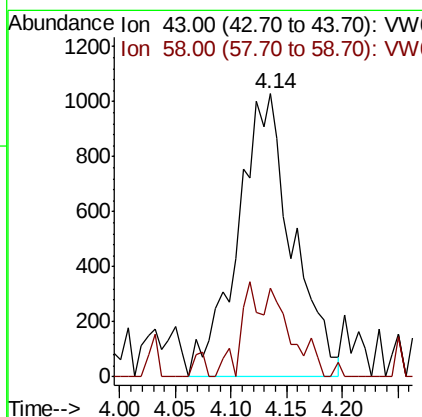
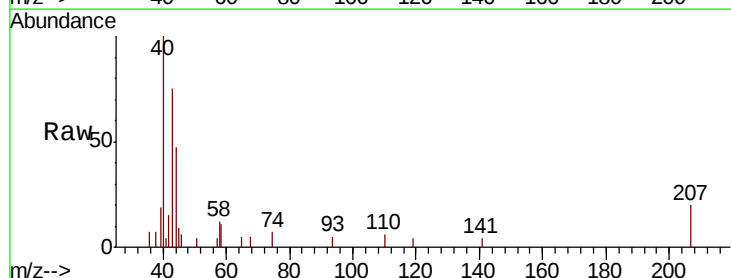
Tgt Ion: 59 Resp: 3987
 Ion Ratio Lower Upper
 59 100
 57 1.8 8.6 12.8#

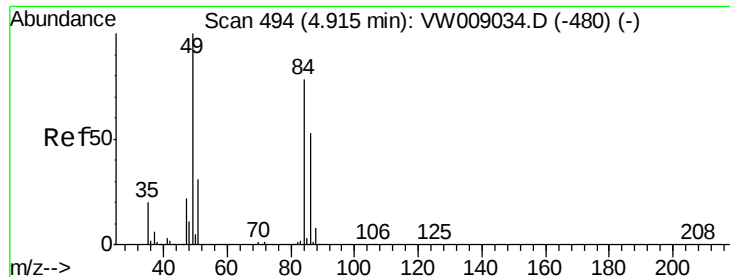


#16

Acetone
 Concen: 5.439 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW009100.D
 Acq: 11 Mar 2019 21:19

Tgt Ion: 43 Resp: 3532
 Ion Ratio Lower Upper
 43 100
 58 31.4 22.5 33.7

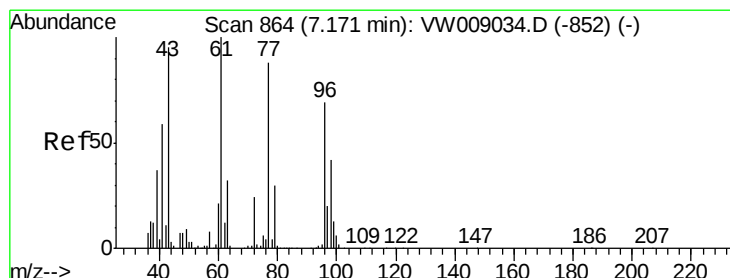
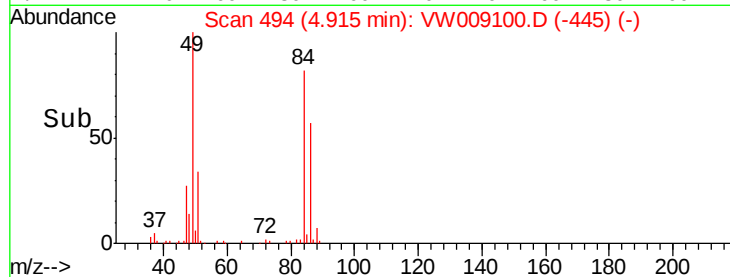
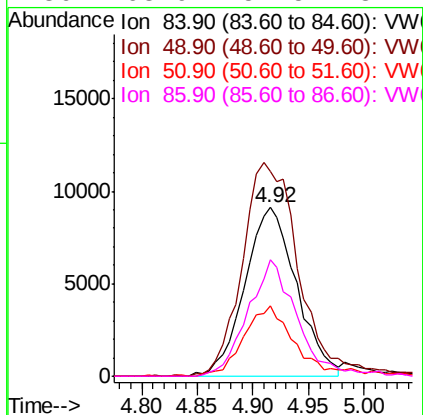
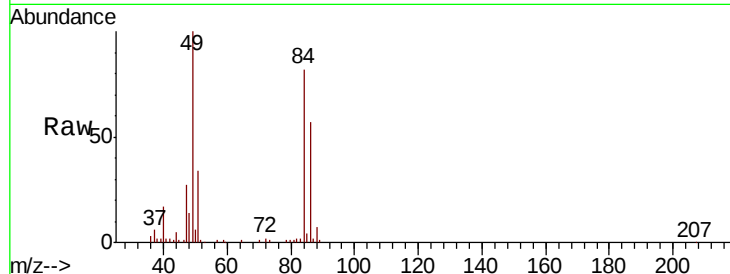




#20
Methylene Chloride
Concen: 4.752 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009100.D
Acq: 11 Mar 2019 21:19

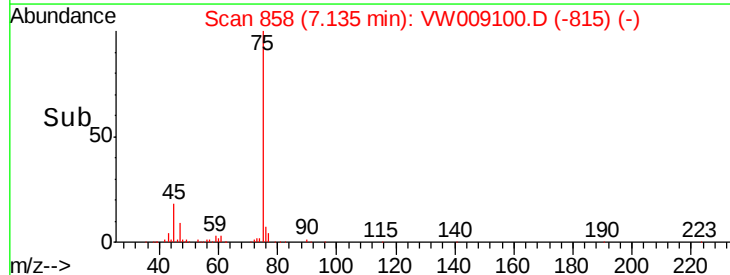
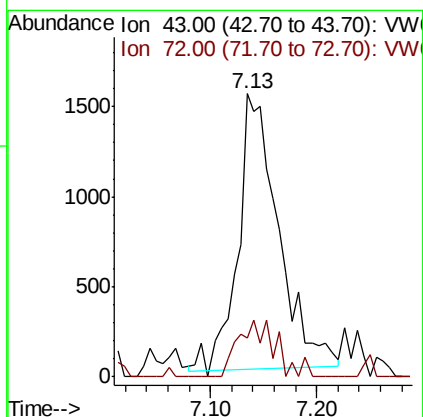
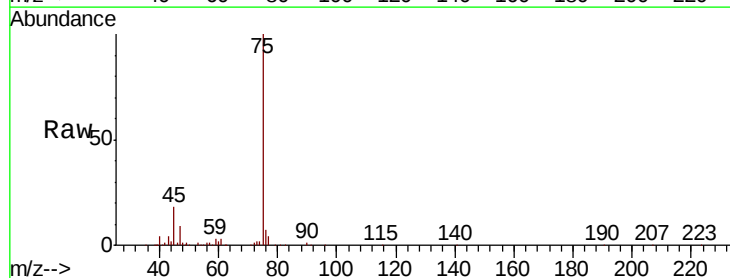
Instrument :
MSVOA_W
ClientSampleId :
BALLFIELD-SS-03072019

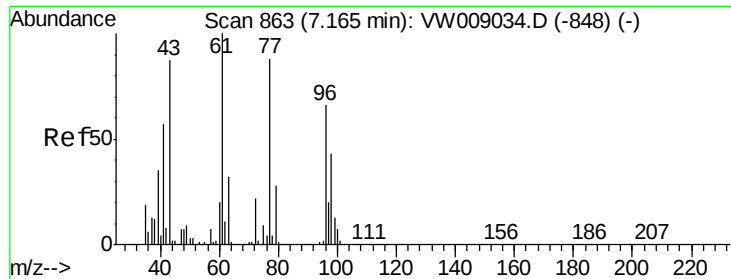
Tgt Ion: 84 Resp: 29518
Ion Ratio Lower Upper
84 100
49 121.7 102.4 153.6
51 41.6 31.6 47.4
86 68.9 54.5 81.7



#25
2-Butanone
Concen: 4.548 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.04 min
Lab File: VW009100.D
Acq: 11 Mar 2019 21:19

Tgt Ion: 43 Resp: 4082
Ion Ratio Lower Upper
43 100
72 14.3 20.0 30.0#

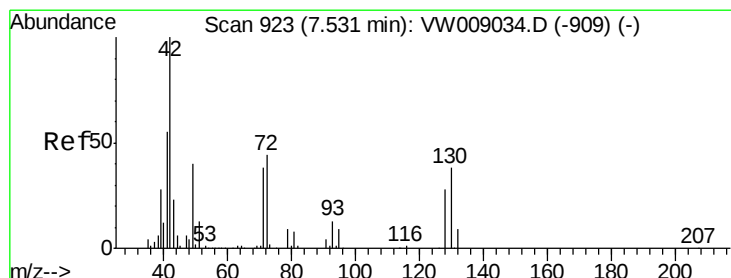
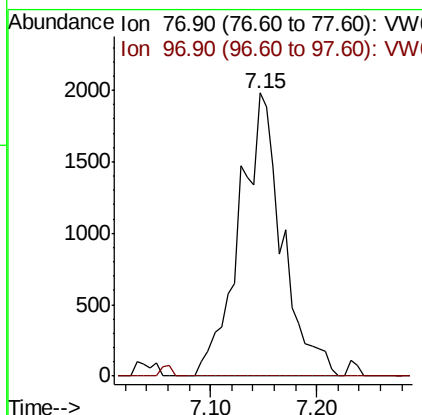
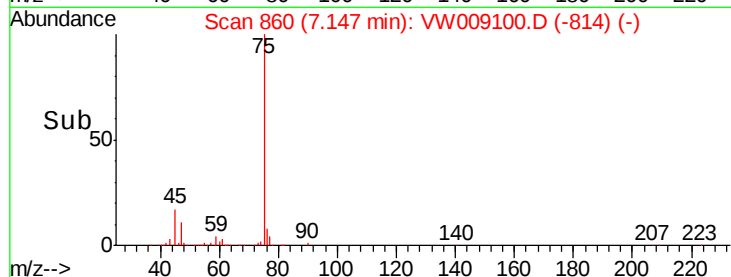
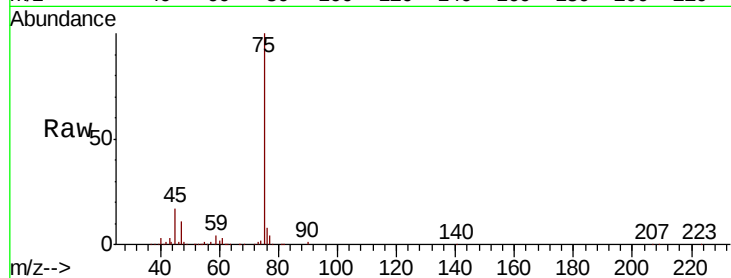




#26
 2,2-Dichloropropane
 Concen: 1.176 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW009100.D
 Acq: 11 Mar 2019 21:19

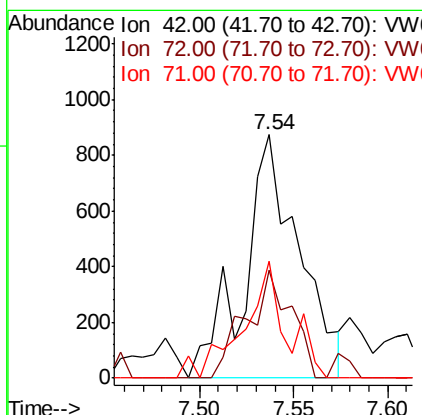
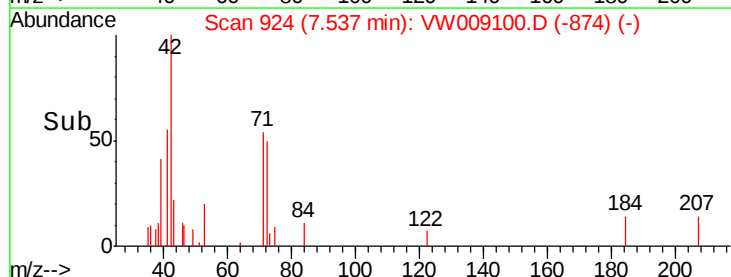
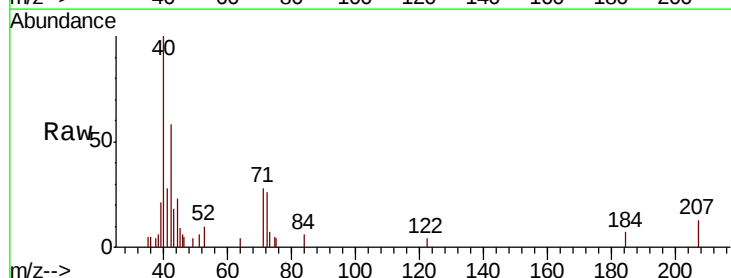
Instrument :
 MSVOA_W
 ClientSampleId :
 BALLFIELD-SS-03072019

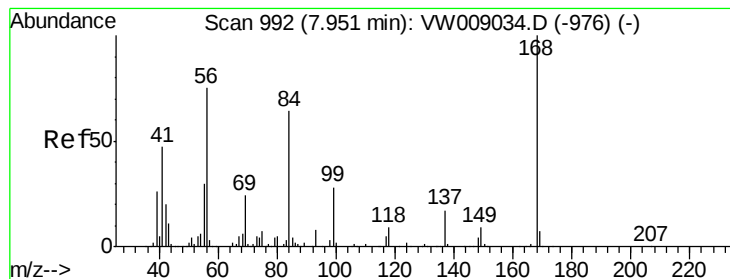
Tgt Ion: 77 Resp: 5586
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.9 32.9#



#29
 Tetrahydrofuran
 Concen: 3.124 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW009100.D
 Acq: 11 Mar 2019 21:19

Tgt Ion: 42 Resp: 1767
 Ion Ratio Lower Upper
 42 100
 72 36.5 32.2 48.4
 71 38.1 30.7 46.1





#31

Cyclohexane

Concen: 1.378 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009100.D

Acq: 11 Mar 2019 21:19

Instrument :

MSVOA_W

ClientSampleId :

BALLFIELD-SS-03072019

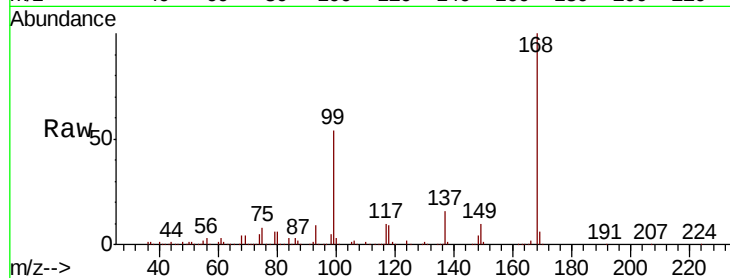
Tgt Ion: 56 Resp: 7396

Ion Ratio Lower Upper

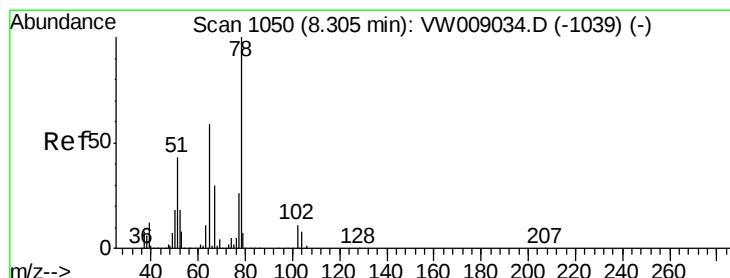
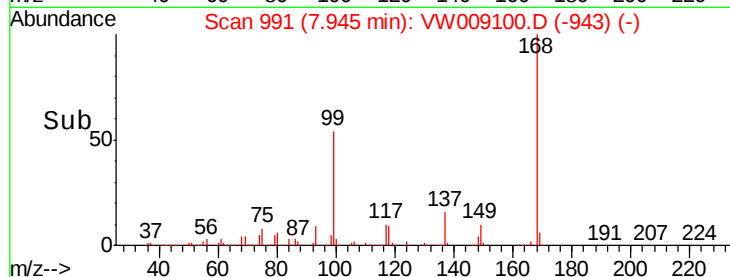
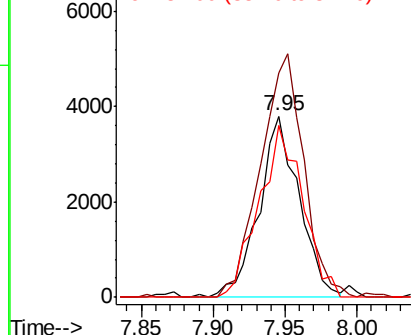
56 100

69 123.9 25.5 38.3#

84 94.9 68.6 103.0



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: 60.903 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009100.D

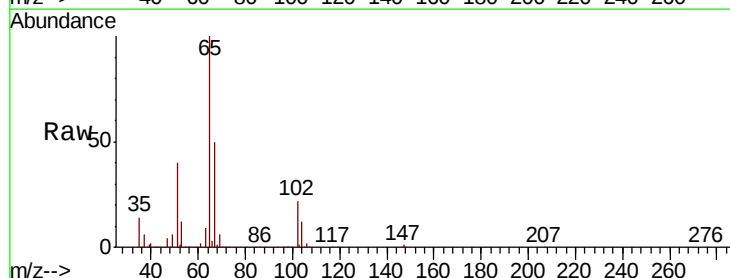
Acq: 11 Mar 2019 21:19

Tgt Ion: 65 Resp: 175274

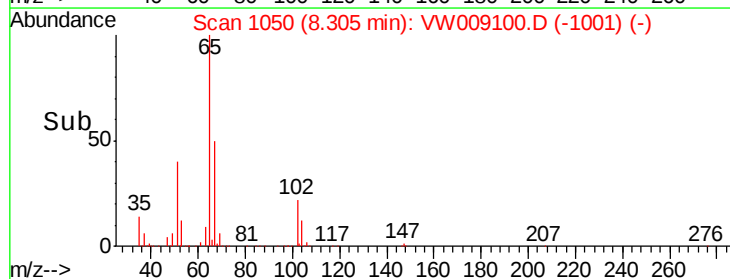
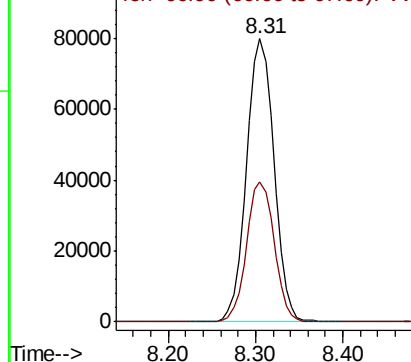
Ion Ratio Lower Upper

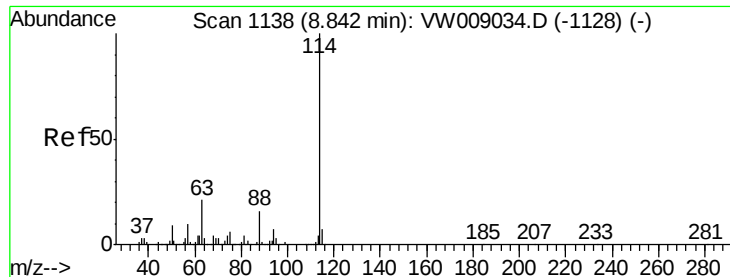
65 100

67 49.8 0.0 103.0



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

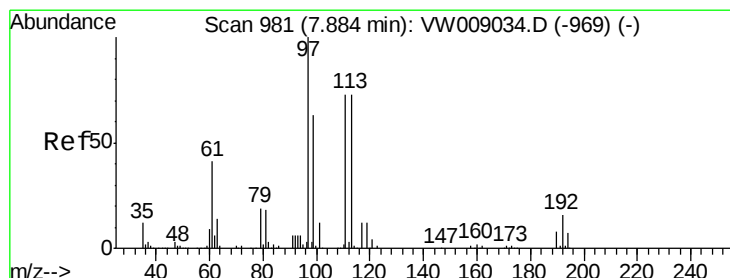
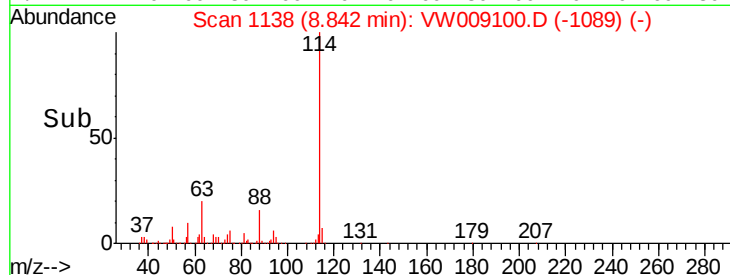
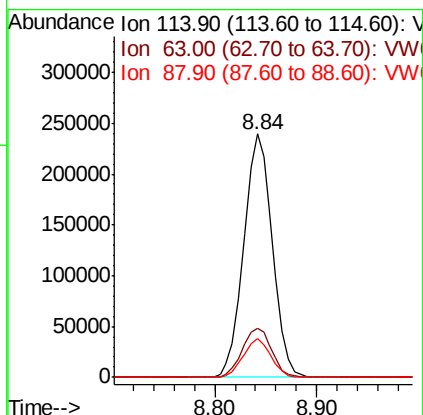
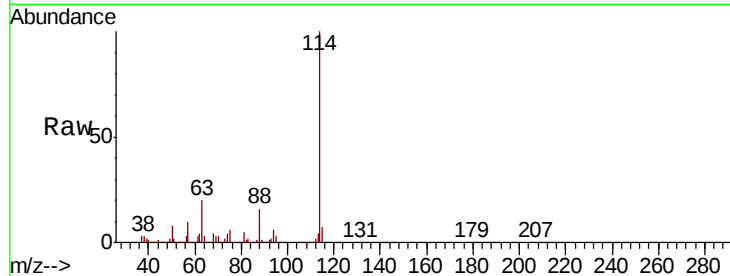




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009100.D
 Acq: 11 Mar 2019 21:19

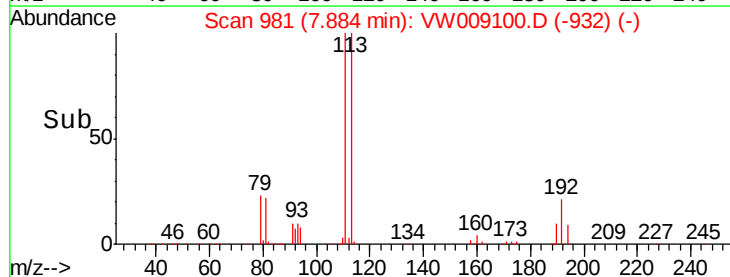
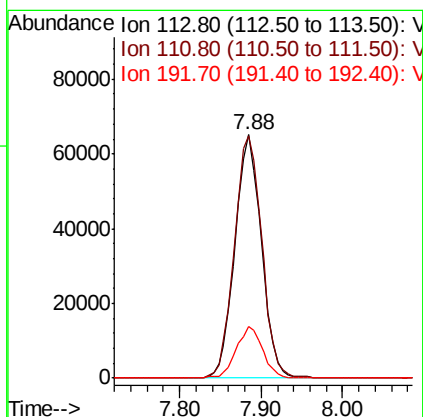
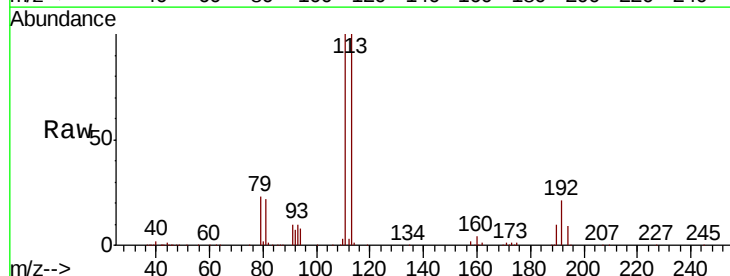
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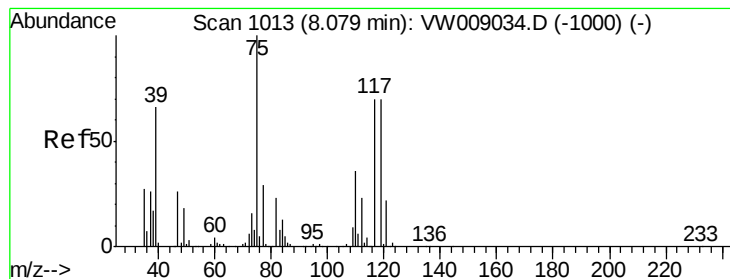
Tgt Ion:114 Resp: 465864
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.2
 88 15.7 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 51.983 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009100.D
 Acq: 11 Mar 2019 21:19

Tgt Ion:113 Resp: 145809
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.0 121.4
 192 21.1 17.1 25.7





#36

1,1-Dichloropropene

Concen: 4.706 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009100.D

Acq: 11 Mar 2019 21:19

Instrument :

MSVOA_W

ClientSampleId :

BALLFIELD-SS-03072019

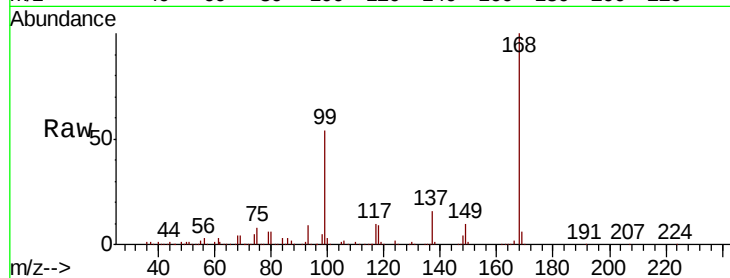
Tgt Ion: 75 Resp: 22923

Ion Ratio Lower Upper

75 100

110 10.1 17.6 52.9#

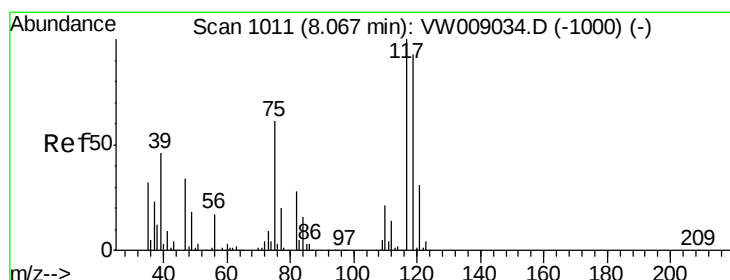
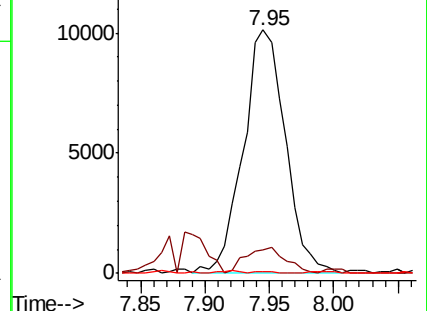
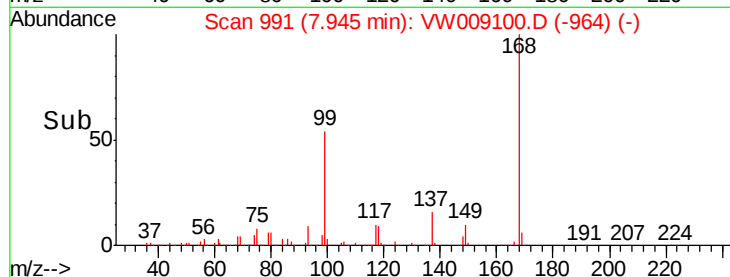
77 0.3 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 5.755 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW009100.D

Acq: 11 Mar 2019 21:19

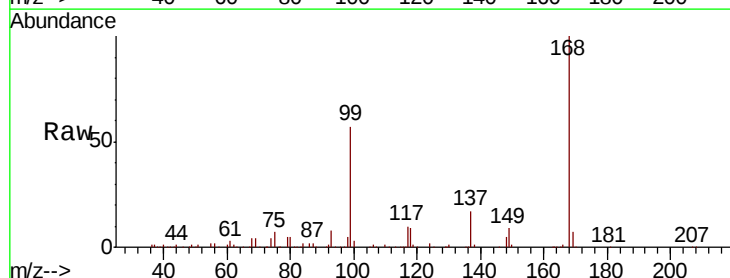
Tgt Ion: 117 Resp: 28949

Ion Ratio Lower Upper

117 100

119 7.4 74.6 112.0#

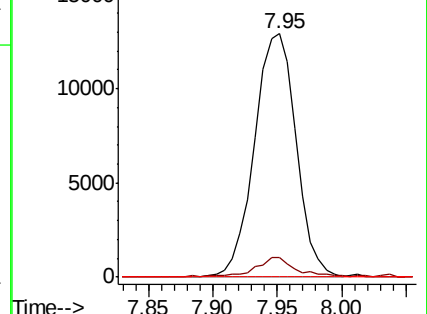
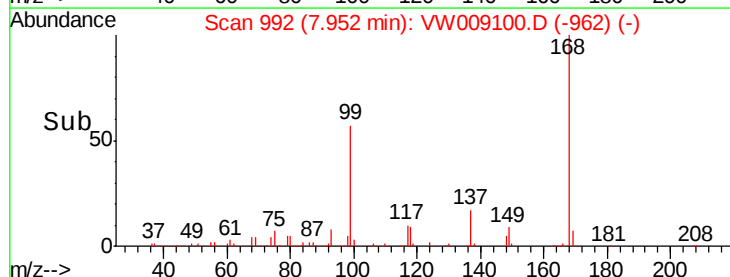
121 0.0 24.7 37.1#

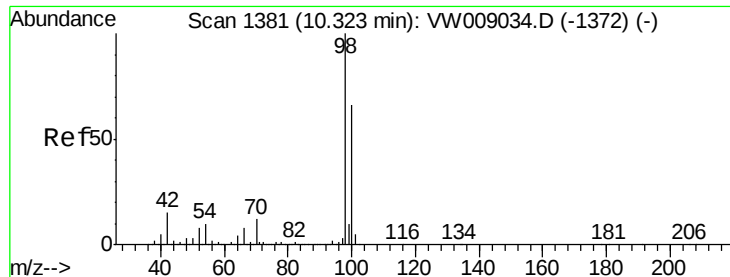


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.464 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009100.D

Acq: 11 Mar 2019 21:19

Instrument :

MSVOA_W

ClientSampleId :

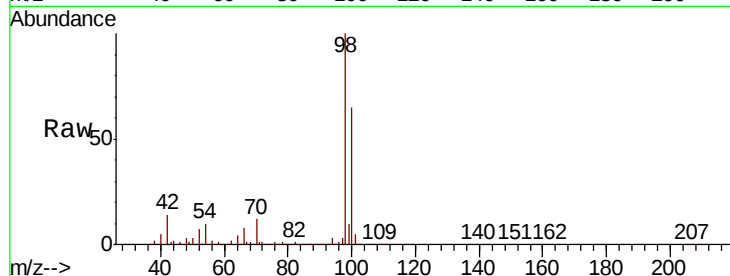
BALLFIELD-SS-03072019

Tgt Ion: 98 Resp: 558320

Ion Ratio Lower Upper

98 100

100 65.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

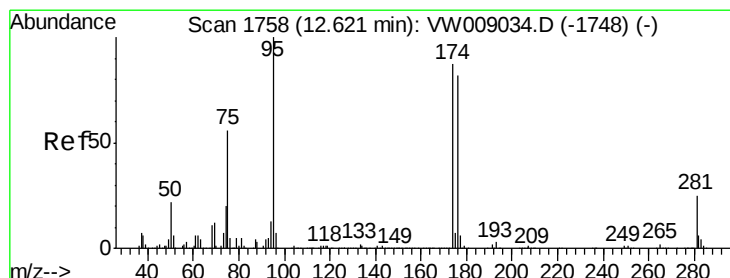
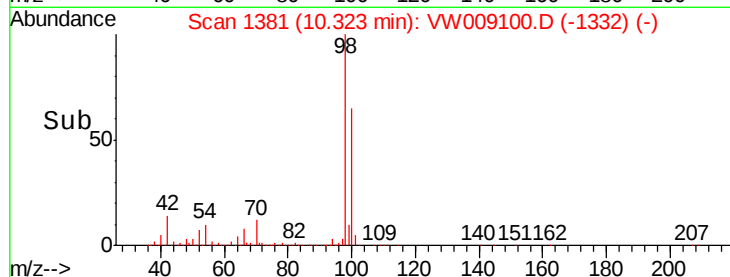
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 44.010 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009100.D

Acq: 11 Mar 2019 21:19

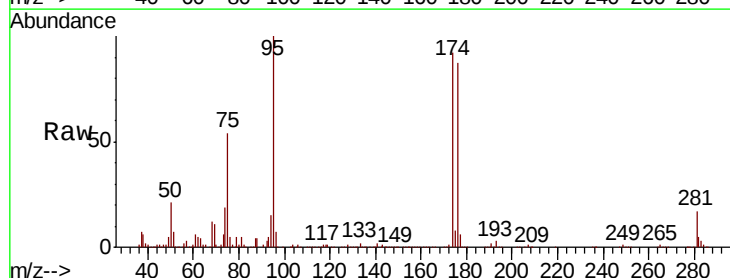
Tgt Ion: 95 Resp: 199590

Ion Ratio Lower Upper

95 100

174 85.6 0.0 167.0

176 83.3 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

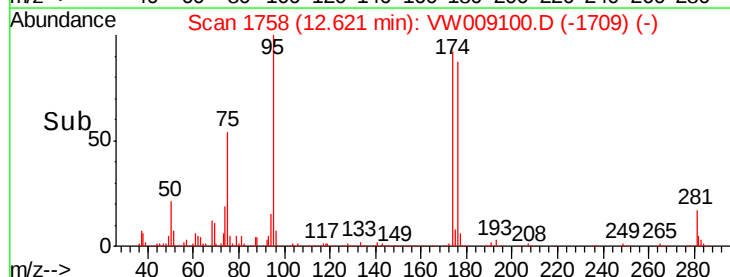
150000

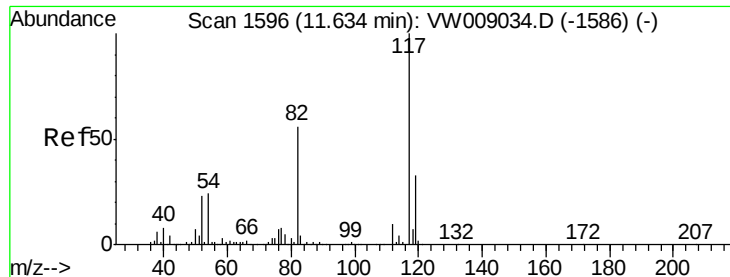
100000

50000

0

Time--> 12.60 12.70





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW009100.D

Acq: 11 Mar 2019 21:19

Instrument :

MSVOA_W

ClientSampleId :

BALLFIELD-SS-03072019

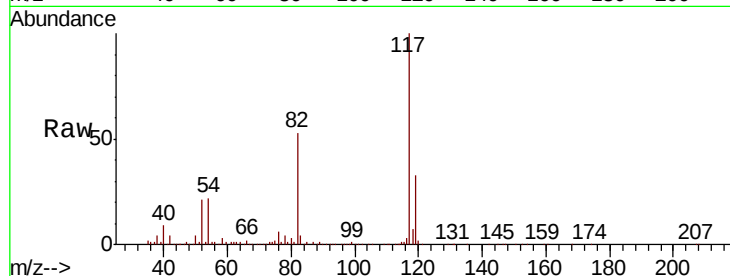
Tgt Ion:117 Resp: 428880

Ion Ratio Lower Upper

117 100

82 53.4 45.0 67.6

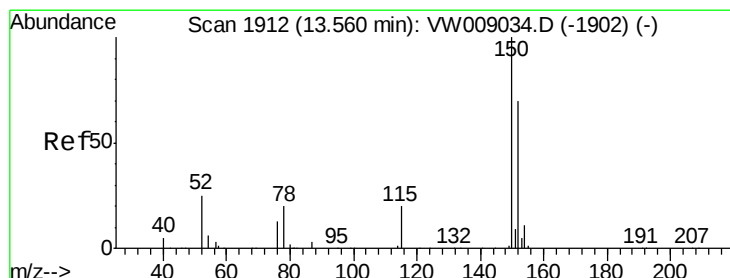
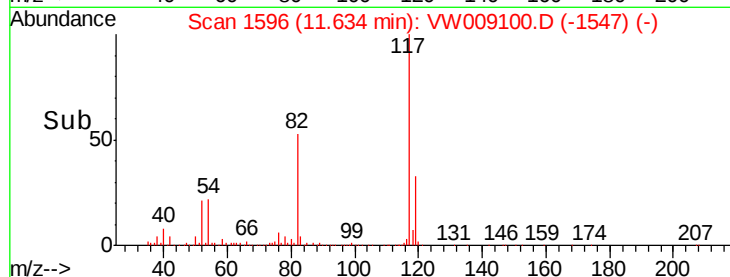
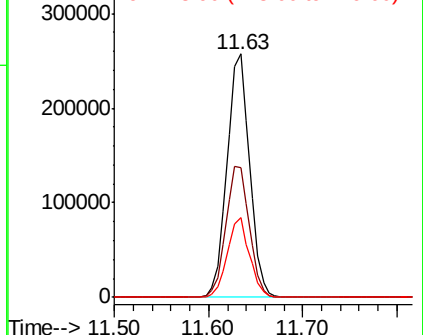
119 32.8 26.6 39.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009100.D

Acq: 11 Mar 2019 21:19

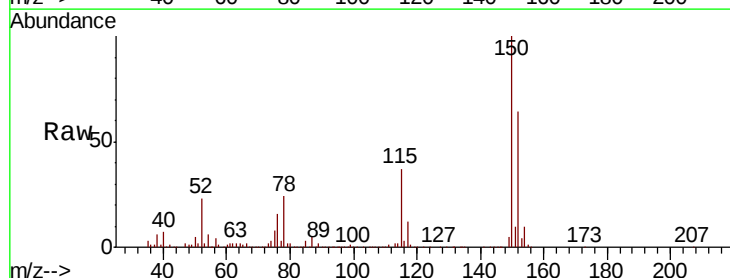
Tgt Ion:152 Resp: 207991

Ion Ratio Lower Upper

152 100

115 58.9 28.9 86.7

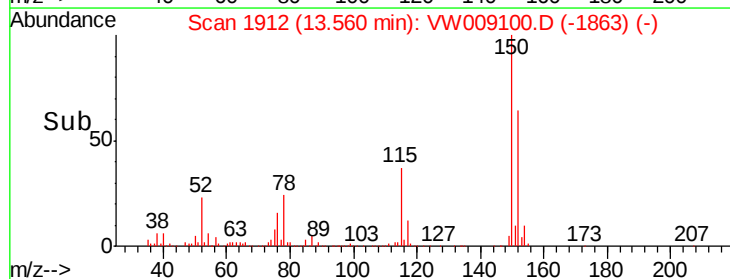
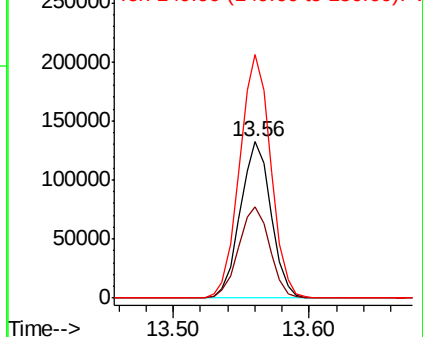
150 158.2 0.0 349.2

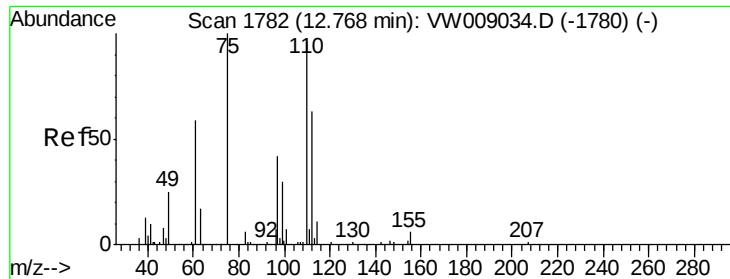


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 63.345 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009100.D

Acq: 11 Mar 2019 21:19

Instrument :

MSVOA_W

ClientSampleId :

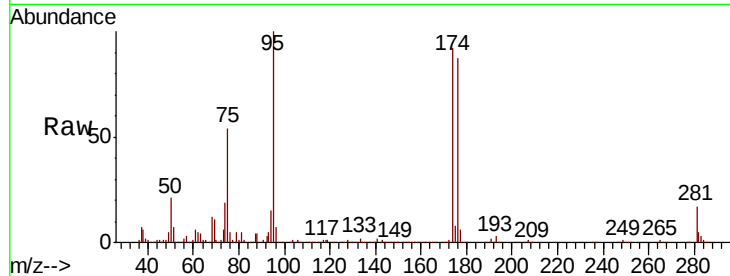
BALLFIELD-SS-03072019

Tgt Ion: 75 Resp: 104095

Ion Ratio Lower Upper

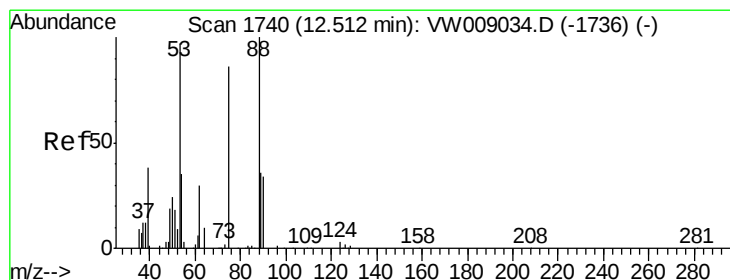
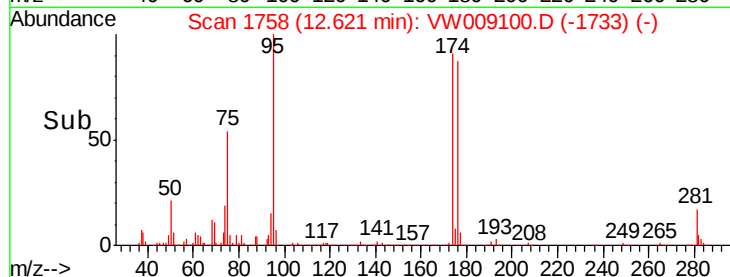
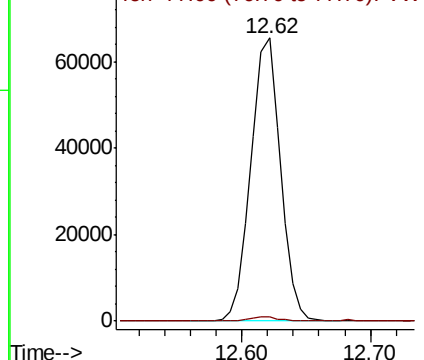
75 100

77 1.7 186.7 560.0#



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: 141.686 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009100.D

Acq: 11 Mar 2019 21:19

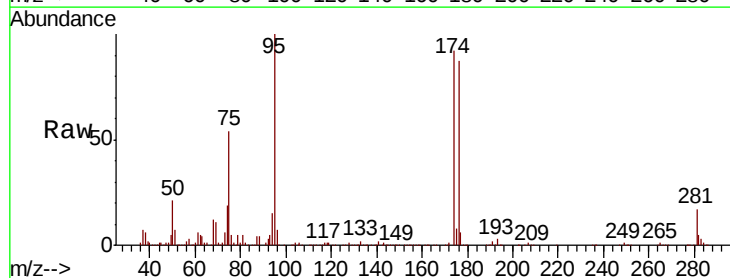
Tgt Ion: 75 Resp: 104095

Ion Ratio Lower Upper

75 100

53 0.1 90.5 135.7#

89 0.0 37.5 56.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

