

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112018\
 Data File : VW006960.D
 Acq On : 19 Nov 2018 23:06
 Operator : SY/AP
 Sample : J5977-08
 Misc : 3.88G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)

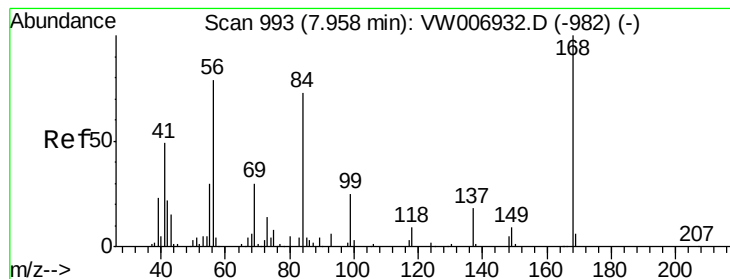
Quant Time: Nov 20 04:37:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 04:45:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	88394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	133784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	110343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	38725	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	48627	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
35) Dibromofluoromethane	7.88	113	40573	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
50) Toluene-d8	10.32	98	153082	45.47	ug/l	0.00
Spiked Amount			Recovery	=	90.94%	
62) 4-Bromofluorobenzene	12.62	95	49782	37.93	ug/l	0.00
Spiked Amount			Recovery	=	75.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	1132	1.338	ug/l	98
3) Chloromethane	2.02	50	2456	3.224	ug/l #	74
10) Methyl Iodide	4.28	142	25	3.445	ug/l #	41
16) Acetone	4.14	43	22360	148.394	ug/l	98
17) Carbon Disulfide	4.39	76	6106	2.370	ug/l #	88
25) 2-Butanone	7.18	43	8550	34.167	ug/l	94
31) Cyclohexane	7.96	56	1792	1.062	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	6999	5.491	ug/l #	45
37) Ethyl Acetate	7.18	43	8550	15.778	ug/l #	68
38) Carbon Tetrachloride	7.95	117	9208	7.351	ug/l #	18
51) 4-Methyl-2-Pentanone	10.21	43	781	1.524	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	24352	78.251	ug/l #	100
77) Bromobenzene	12.88	156	673	1.035	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	24352	178.128	ug/l #	10
90) Hexachloroethane	14.21	117	1490	3.268	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	14.55	75	652	8.352	ug/l #	5
95) Naphthalene	15.38	128	71488	49.616	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006960.D

Acq: 19 Nov 2018 23:06

Instrument :

MSVOA_W

ClientSampleId :

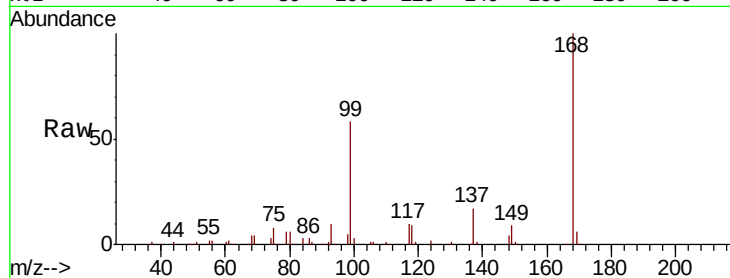
MMTW-03(8-10)

Tot Ion:168 Resp: 88394

Ion Ratio Lower Upper

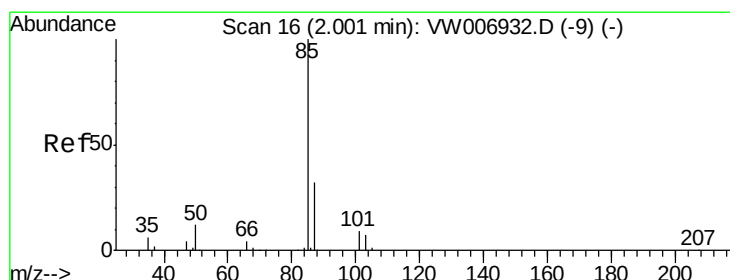
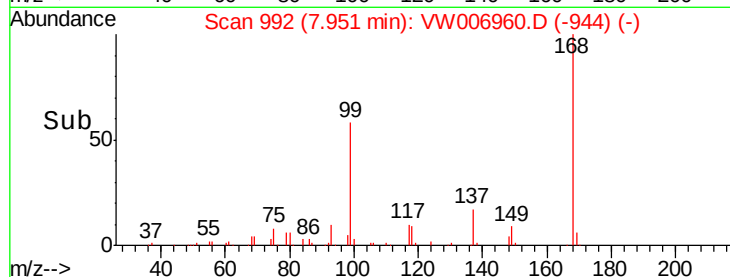
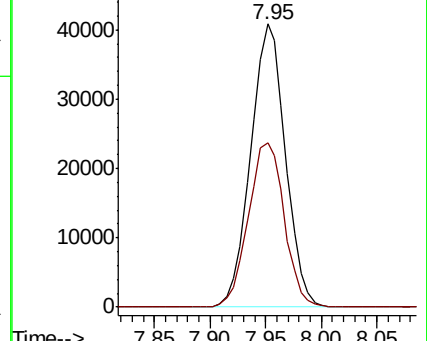
168 100

99 58.1 49.3 73.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 1.338 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.02 min

Lab File: VW006960.D

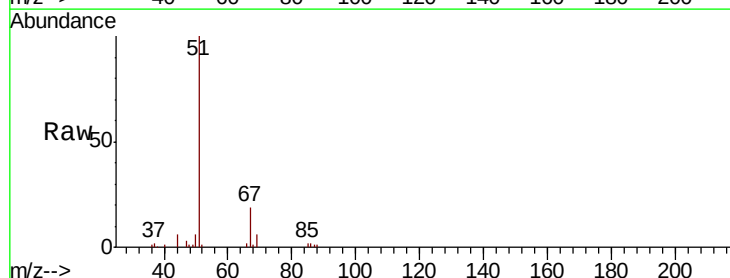
Acq: 19 Nov 2018 23:06

Tgt Ion: 85 Resp: 1132

Ion Ratio Lower Upper

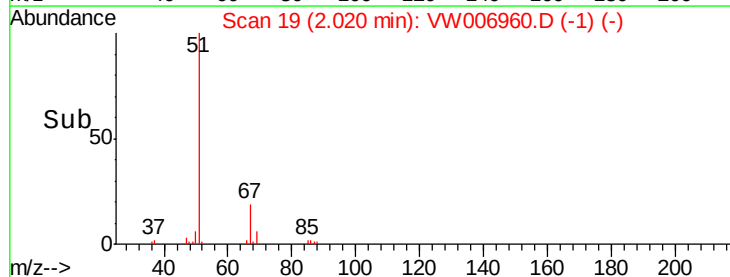
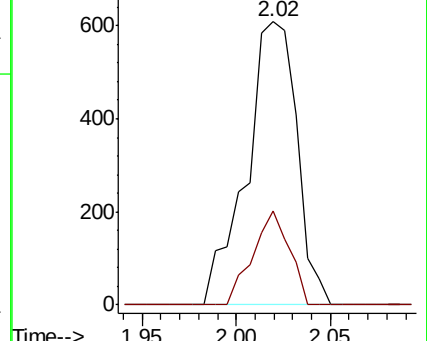
85 100

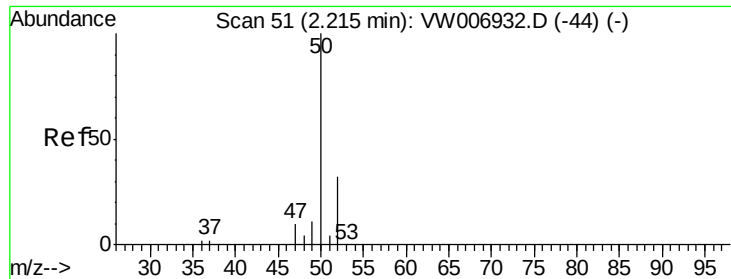
87 33.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 3.224 ug/l

RT: 2.02 min Scan# 19

Delta R.T. -0.20 min

Lab File: VW006960.D

Acq: 19 Nov 2018 23:06

Instrument :

MSVOA_W

ClientSampleId :

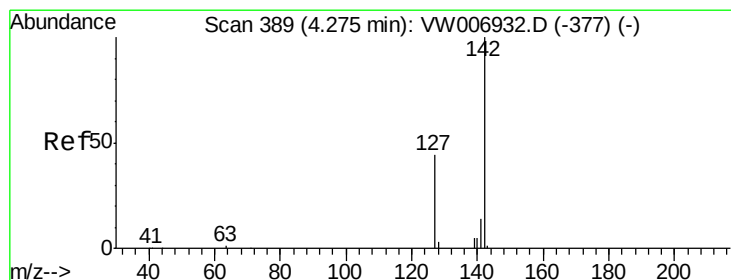
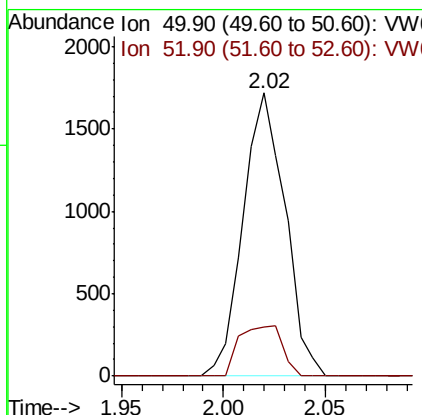
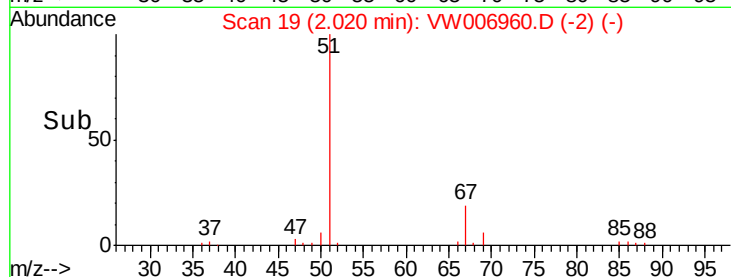
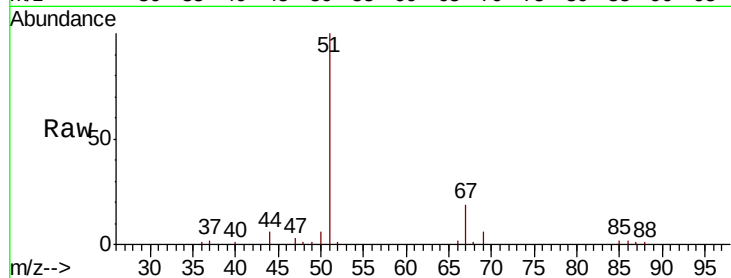
MMTW-03(8-10)

Tot Ion: 50 Resp: 2456

Ion Ratio Lower Upper

50 100

52 17.3 25.4 38.2#



#10

Methyl Iodide

Concen: 3.445 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW006960.D

Acq: 19 Nov 2018 23:06

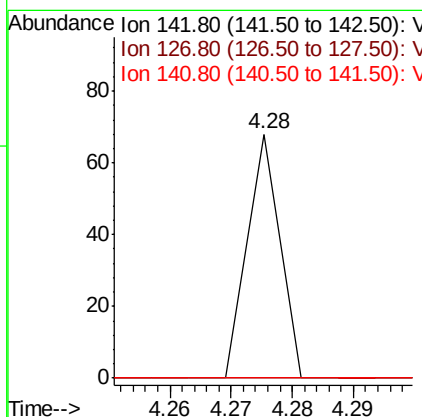
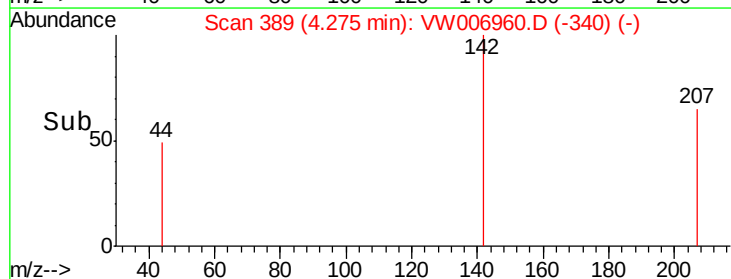
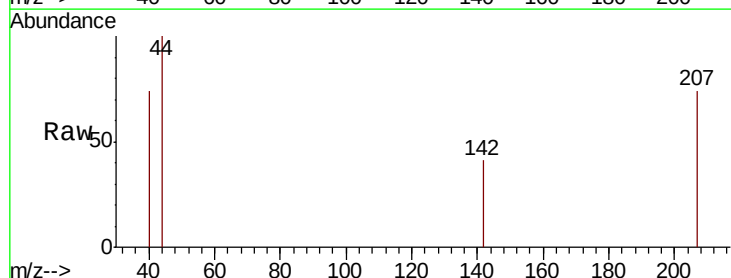
Tgt Ion: 142 Resp: 25

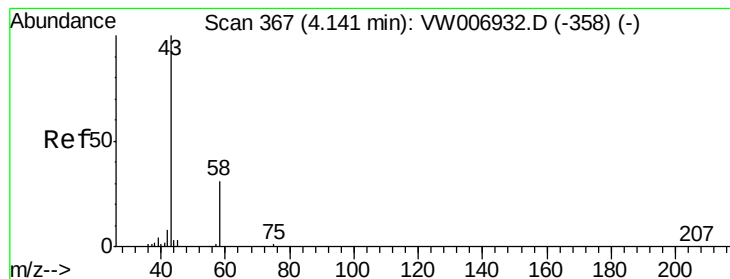
Ion Ratio Lower Upper

142 100

127 0.0 34.4 51.6#

141 0.0 11.5 17.3#





#16

Acetone

Concen: 148.394 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW006960.D

Acq: 19 Nov 2018 23:06

Instrument :

MSVOA_W

ClientSampleId :

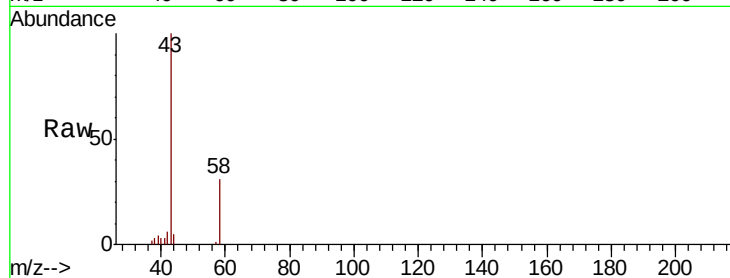
MMTW-03(8-10)

Tot Ion: 43 Resp: 22360

Ion Ratio Lower Upper

43 100

58 31.2 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

8000

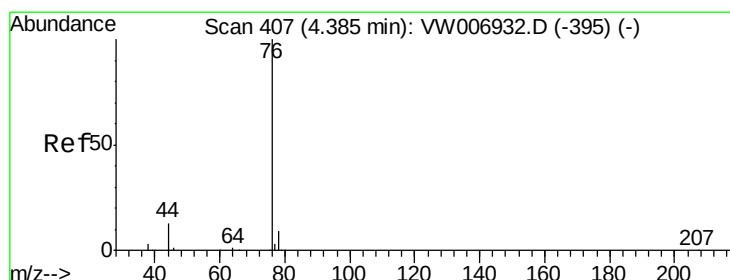
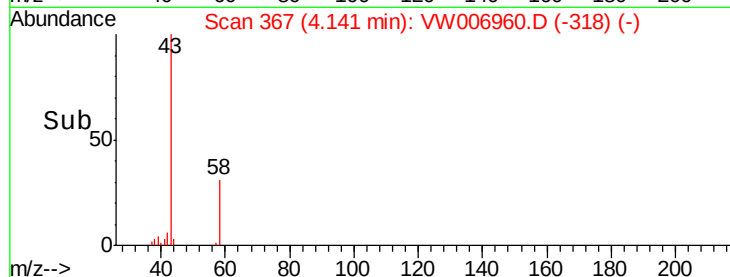
6000

4000

2000

0

Time--> 4.00 4.10 4.20



#17

Carbon Disulfide

Concen: 2.370 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW006960.D

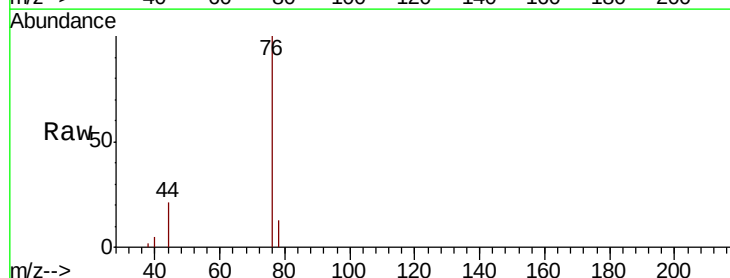
Acq: 19 Nov 2018 23:06

Tgt Ion: 76 Resp: 6106

Ion Ratio Lower Upper

76 100

78 13.1 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

2500

2000

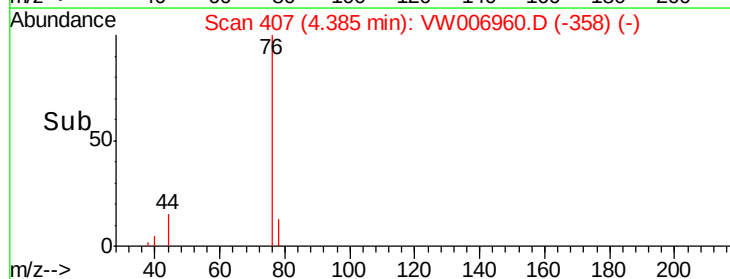
1500

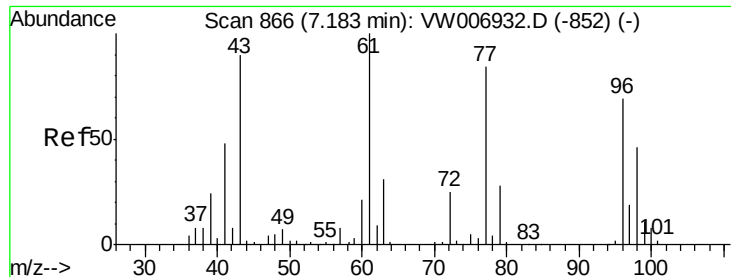
1000

500

0

Time--> 4.30 4.35 4.40 4.45

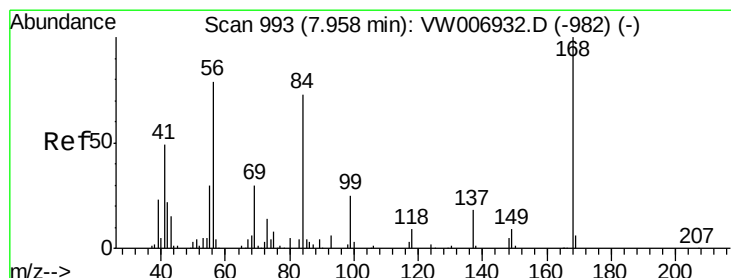
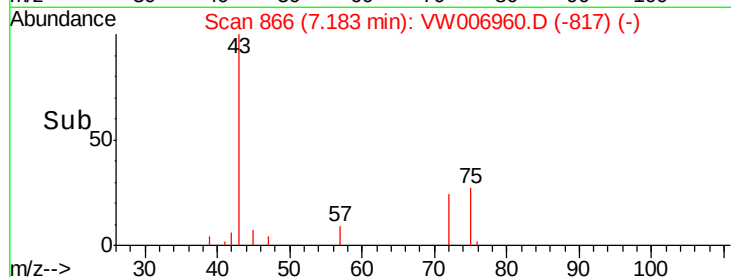
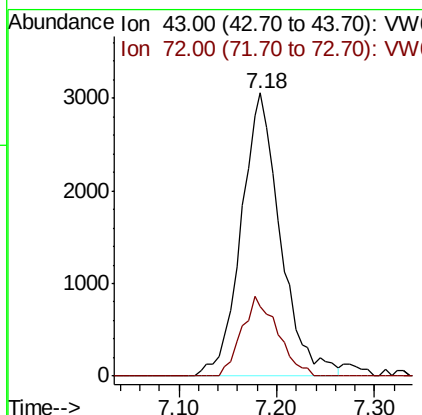
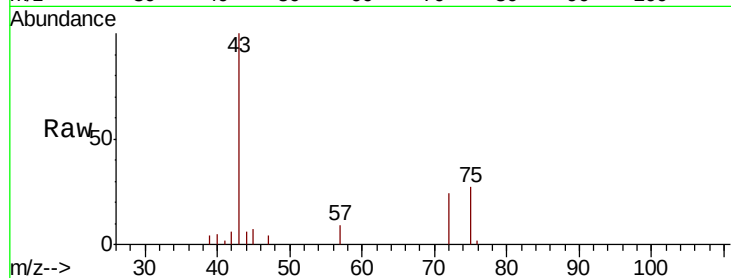




#25
2-Butanone
Concen: 34.167 ug/l
RT: 7.18 min Scan# 866
Delta R.T. -0.00 min
Lab File: VW006960.D
Acq: 19 Nov 2018 23:06

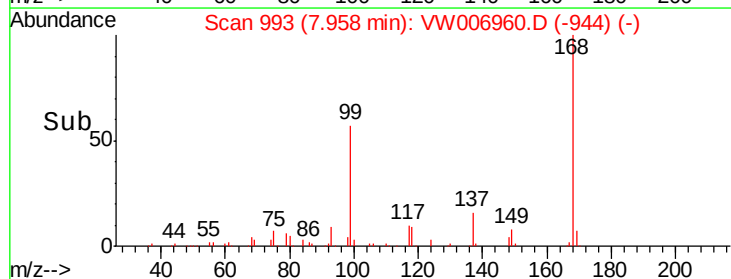
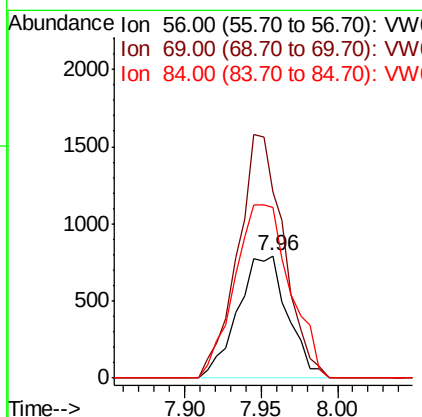
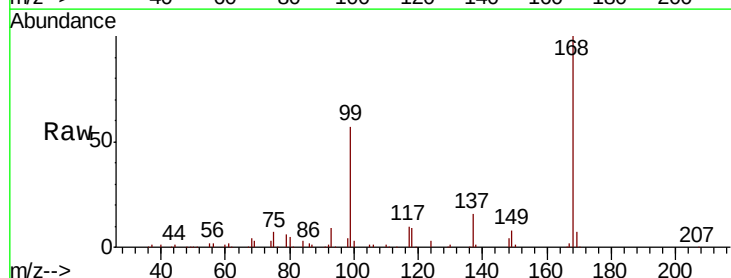
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)

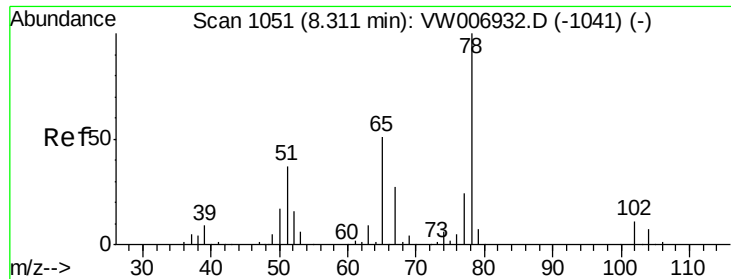
Tot Ion: 43 Resp: 8550
Ion Ratio Lower Upper
43 100
72 24.4 22.1 33.1



#31
Cyclohexane
Concen: 1.062 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006960.D
Acq: 19 Nov 2018 23:06

Tgt Ion: 56 Resp: 1792
Ion Ratio Lower Upper
56 100
69 151.4 30.2 45.2#
84 139.7 73.6 110.4#

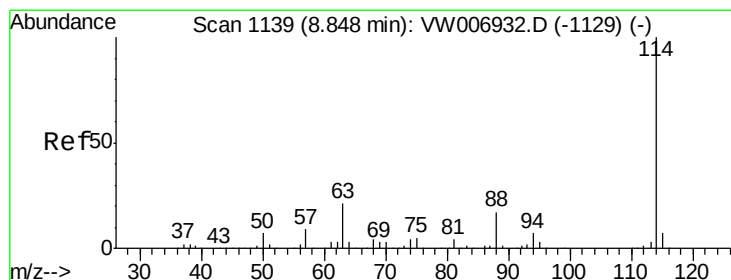
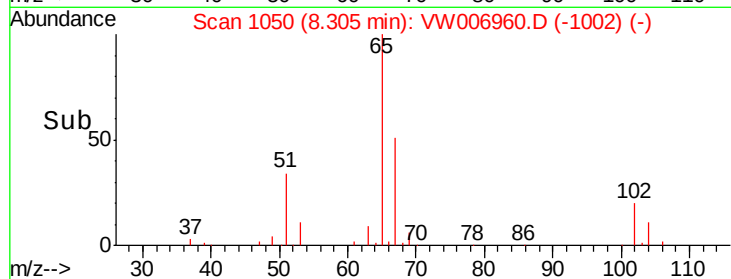
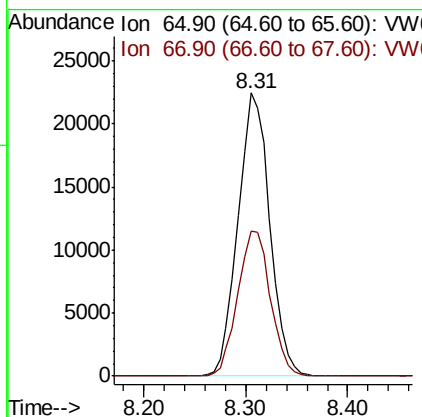
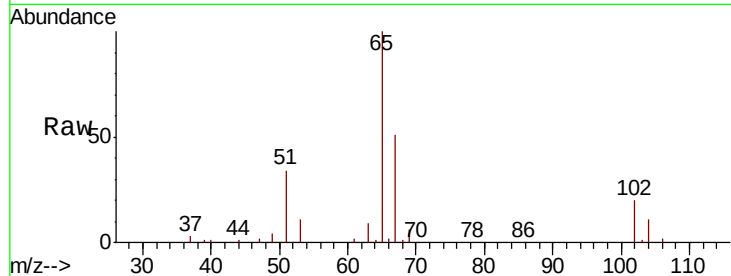




#33
 1,2-Dichloroethane-d4
 Concen: 49.362 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006960.D
 Acq: 19 Nov 2018 23:06

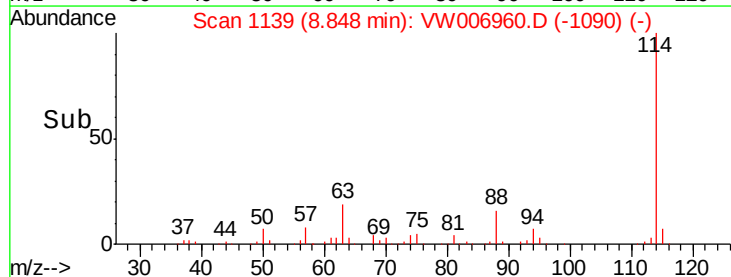
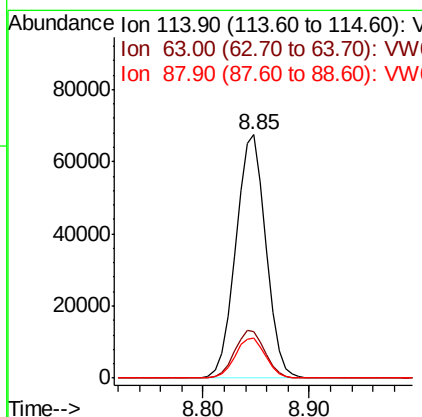
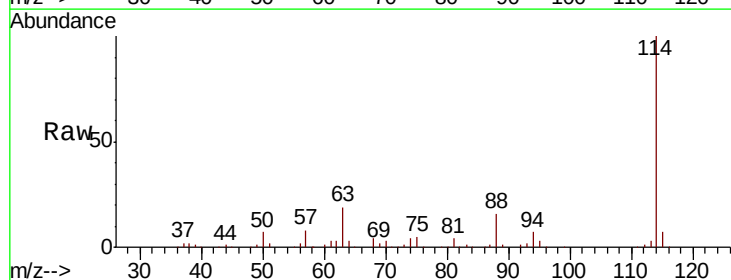
Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)

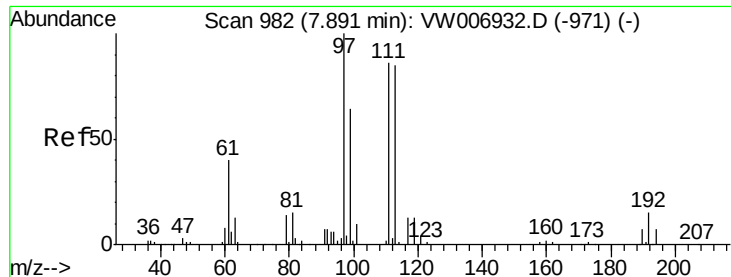
Tot Ion: 65 Resp: 48627
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006960.D
 Acq: 19 Nov 2018 23:06

Tgt Ion: 114 Resp: 133784
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 42.2
 88 16.3 0.0 33.4

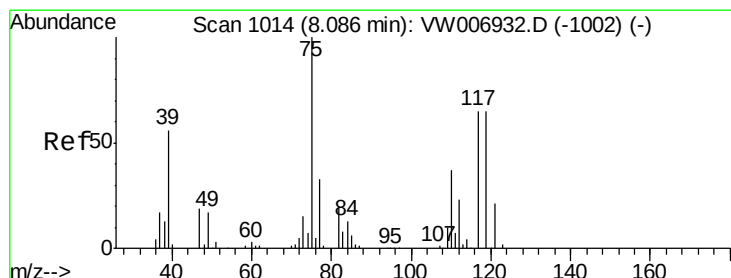
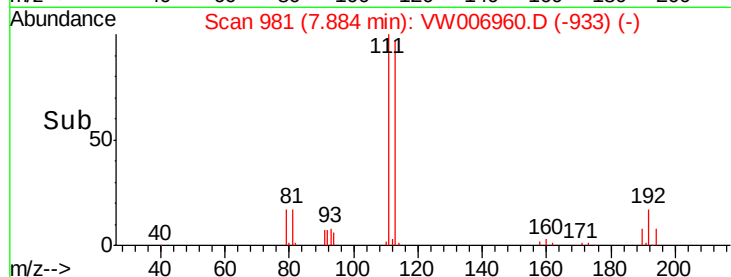
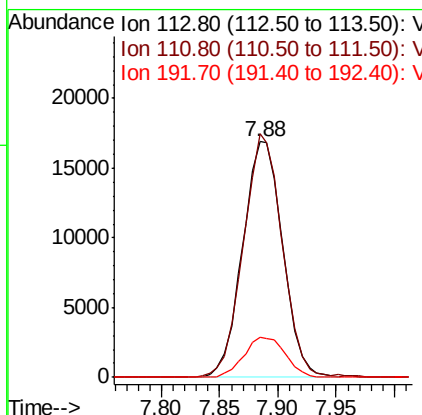
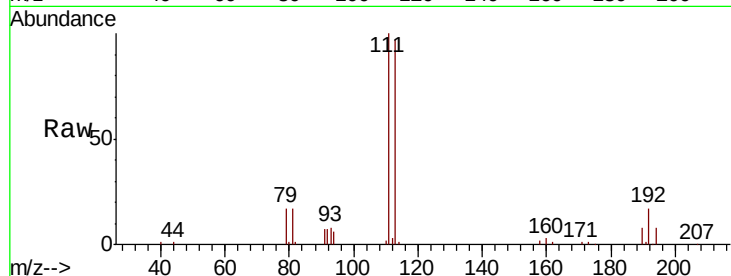




#35
 Dibromofluoromethane
 Concen: 51.794 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006960.D
 Acq: 19 Nov 2018 23:06

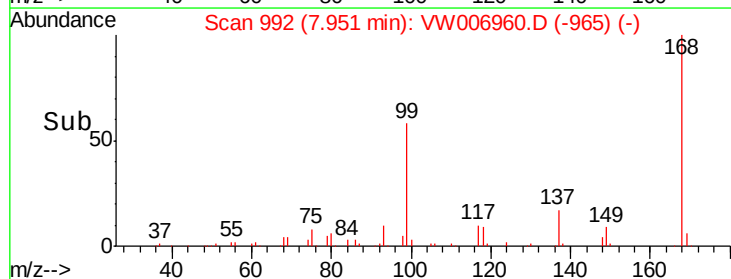
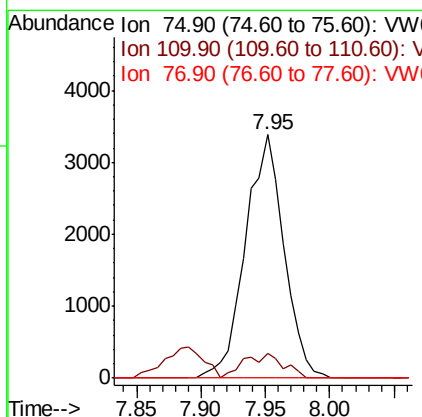
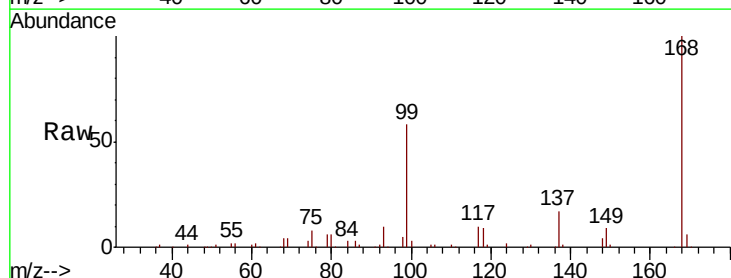
Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)

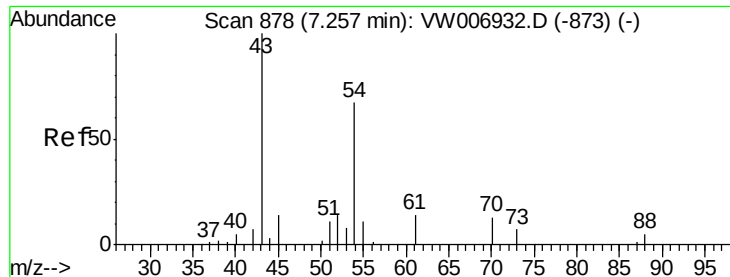
Tot Ion:113 Resp: 40573
 Ion Ratio Lower Upper
 113 100
 111 99.9 81.7 122.5
 192 17.7 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 5.491 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006960.D
 Acq: 19 Nov 2018 23:06

Tgt Ion: 75 Resp: 6999
 Ion Ratio Lower Upper
 75 100
 110 5.1 18.1 54.1#
 77 0.0 25.4 38.0#





#37

Ethyl Acetate

Concen: 15.778 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.07 min

Lab File: VW006960.D

Acq: 19 Nov 2018 23:06

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)

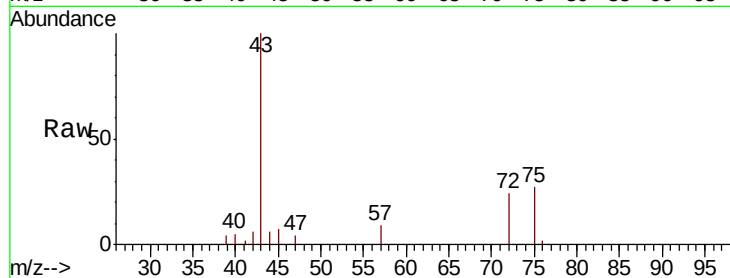
Tot Ion: 43 Resp: 8550

Ion Ratio Lower Upper

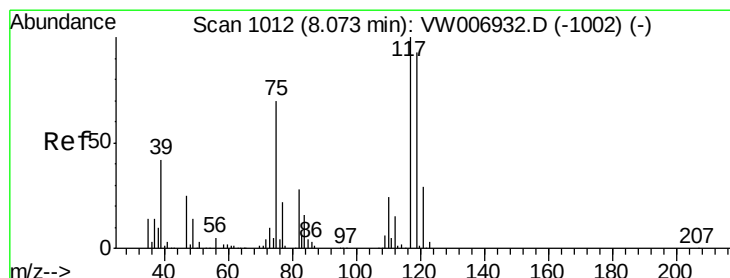
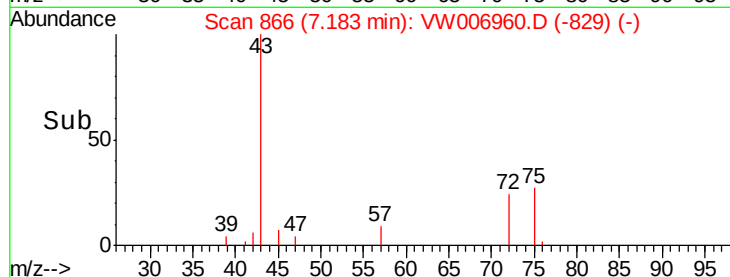
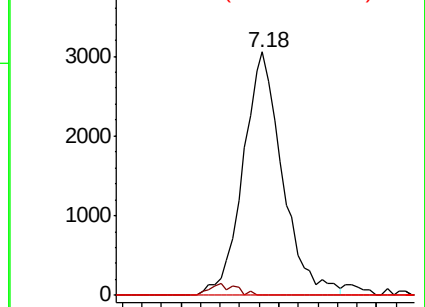
43 100

61 0.0 11.0 16.6#

70 0.0 8.8 13.2#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 7.351 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006960.D

Acq: 19 Nov 2018 23:06

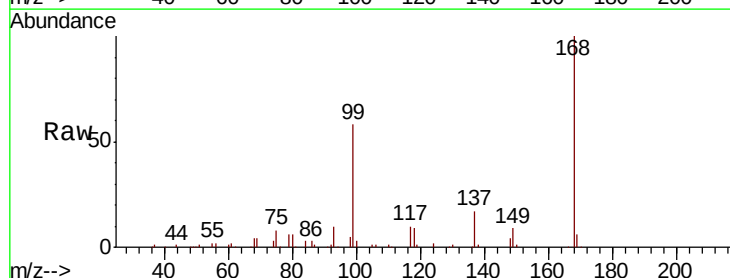
Tgt Ion: 117 Resp: 9208

Ion Ratio Lower Upper

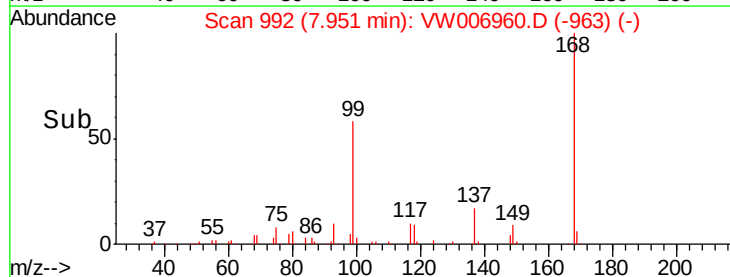
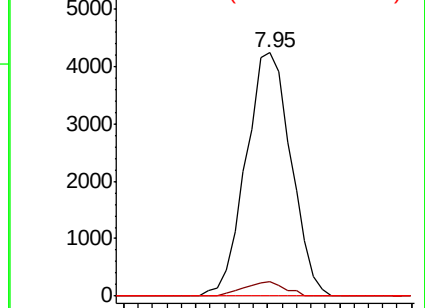
117 100

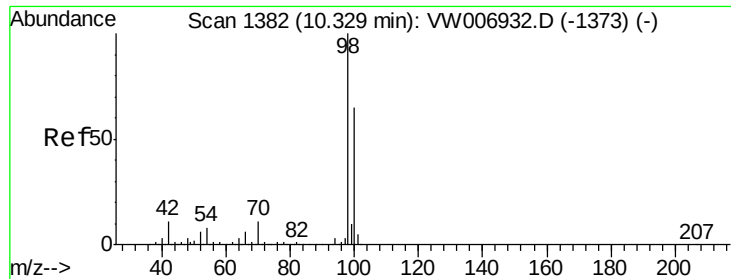
119 5.8 74.2 111.4#

121 0.0 23.5 35.3#



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: 45.474 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW006960.D

Acq: 19 Nov 2018 23:06

Instrument :

MSVOA_W

ClientSampleId :

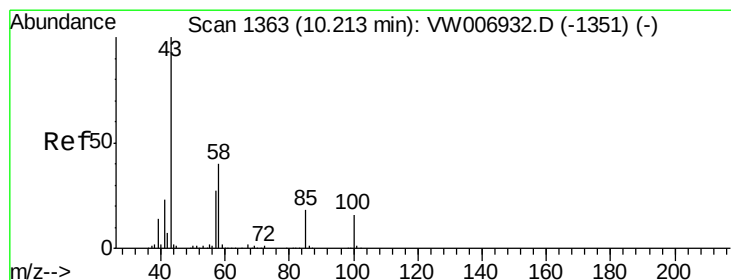
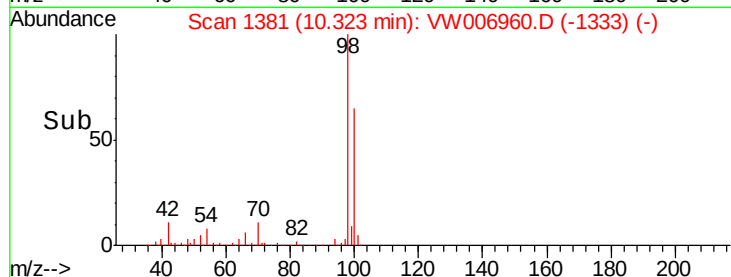
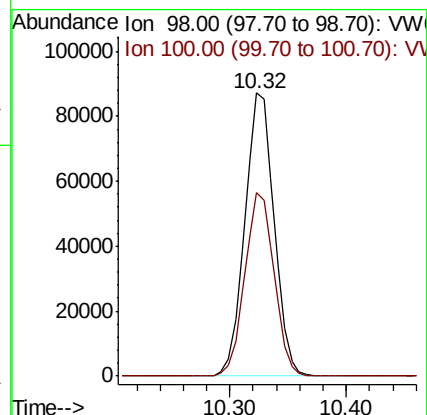
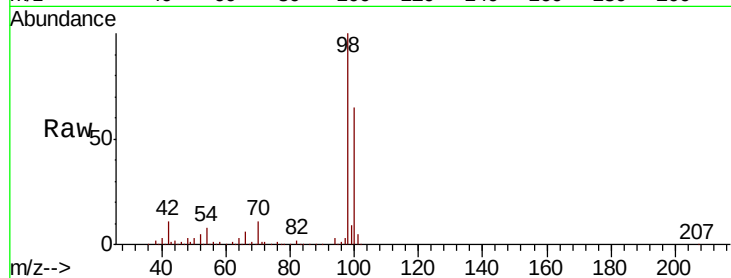
MMTW-03(8-10)

Tot Ion: 98 Resp: 153082

Ion Ratio Lower Upper

98 100

100 65.0 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 1.524 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW006960.D

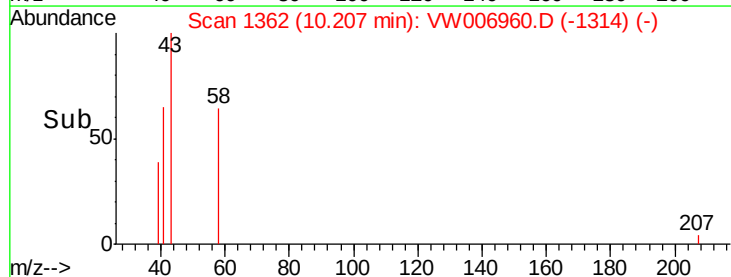
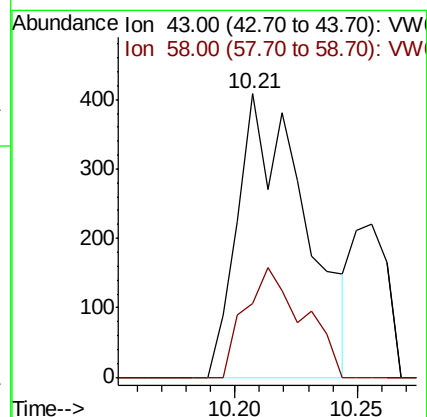
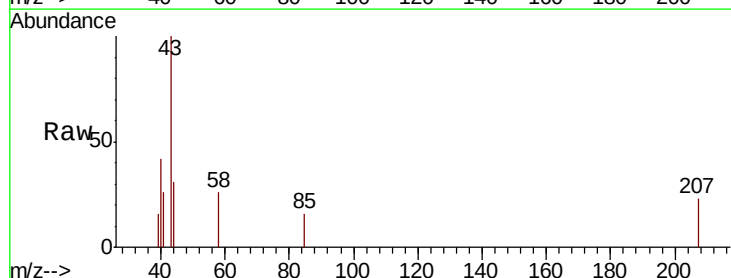
Acq: 19 Nov 2018 23:06

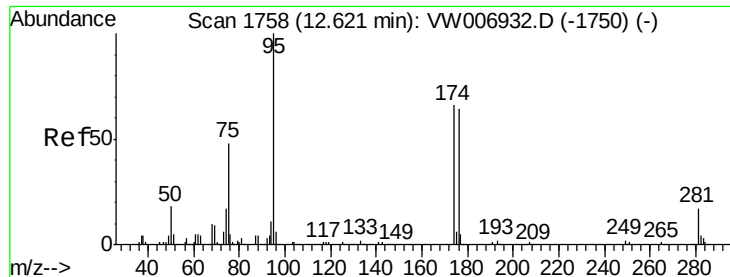
Tgt Ion: 43 Resp: 781

Ion Ratio Lower Upper

43 100

58 33.4 31.0 46.4





#62

4-Bromofluorobenzene

Concen: 37.925 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006960.D

Acq: 19 Nov 2018 23:06

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)

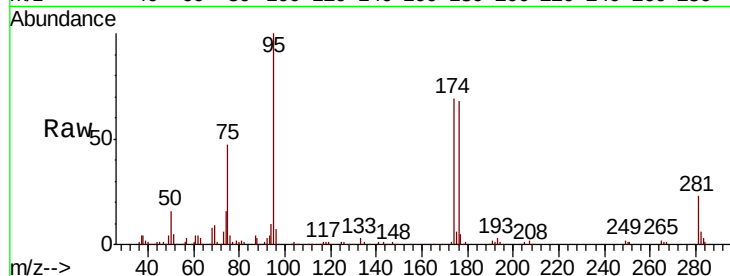
Tot Ion: 95 Resp: 49782

Ion Ratio Lower Upper

95 100

174 72.2 0.0 138.4

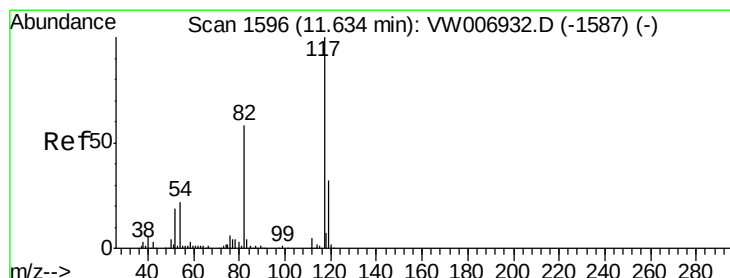
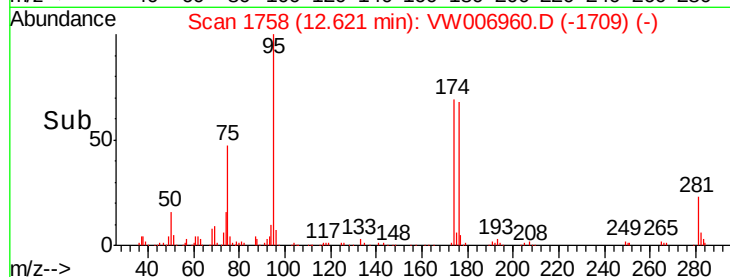
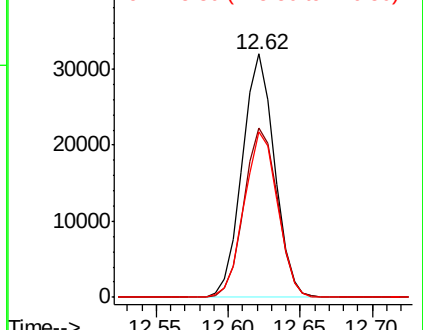
176 69.9 0.0 133.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW006960.D

Acq: 19 Nov 2018 23:06

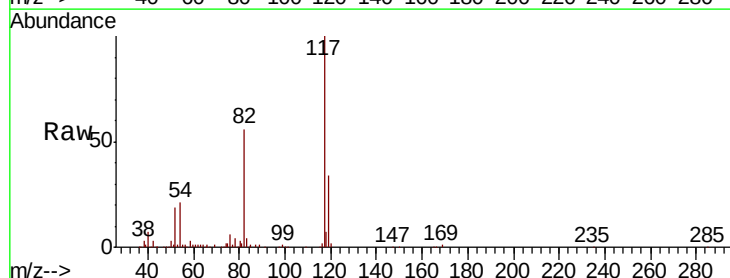
Tgt Ion: 117 Resp: 110343

Ion Ratio Lower Upper

117 100

82 55.9 46.2 69.2

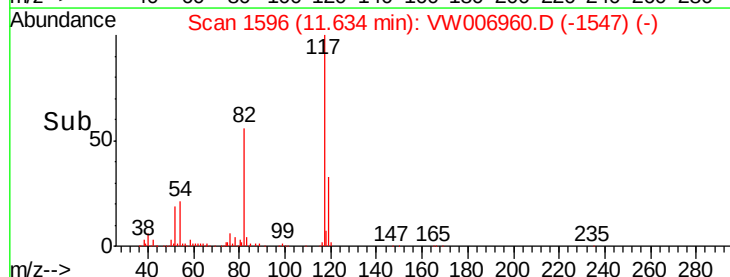
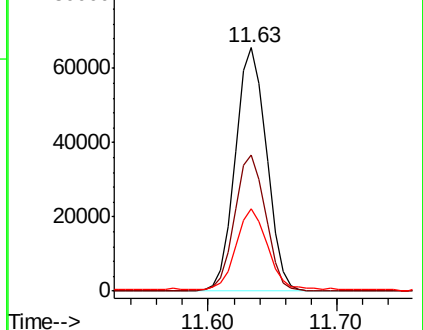
119 33.0 25.5 38.3

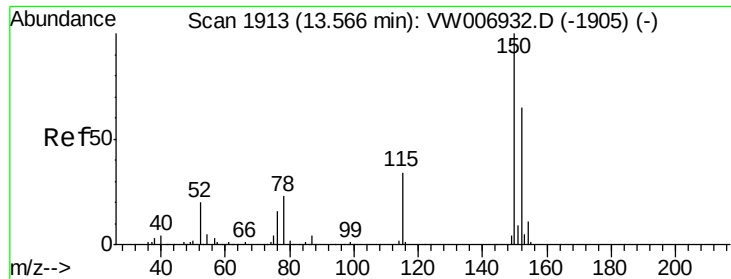


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



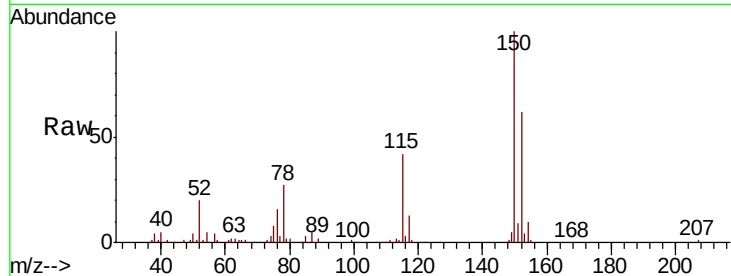


#72

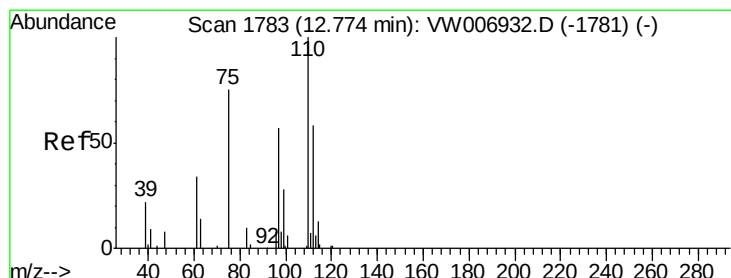
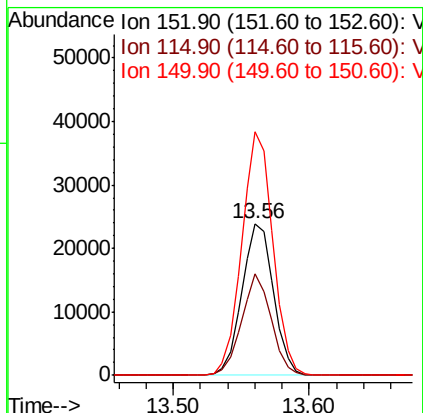
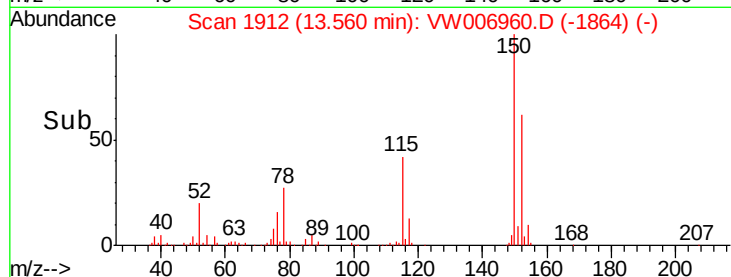
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW006960.D
Acq: 19 Nov 2018 23:06

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)

Tot Ion:152 Resp: 38725
Ion Ratio Lower Upper
152 100
115 62.4 31.6 94.7
150 157.5 0.0 350.0



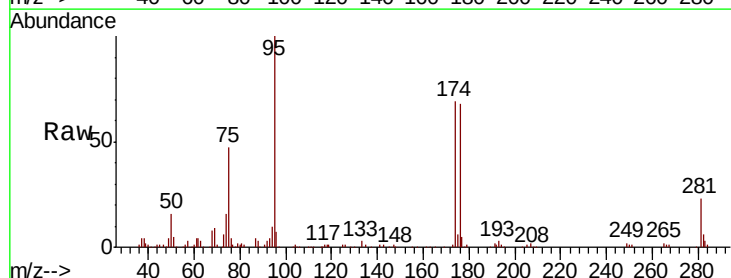
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



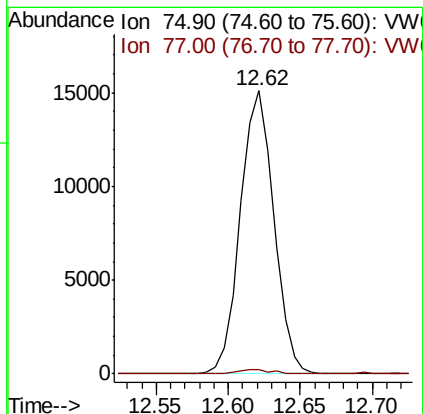
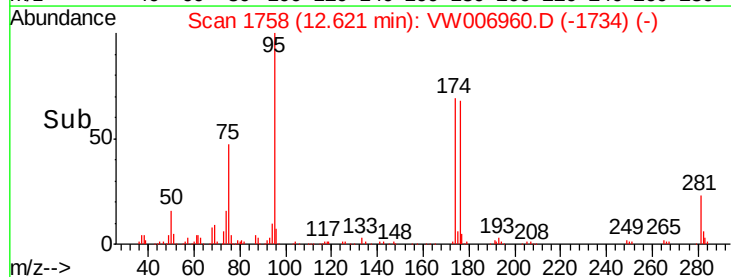
#76

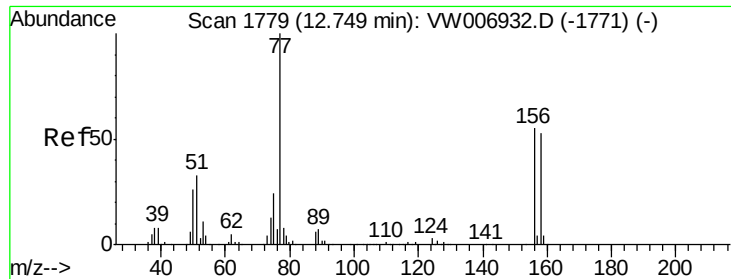
1,2,3-Trichloropropane
Concen: 78.251 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW006960.D
Acq: 19 Nov 2018 23:06

Tgt Ion: 75 Resp: 24352
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

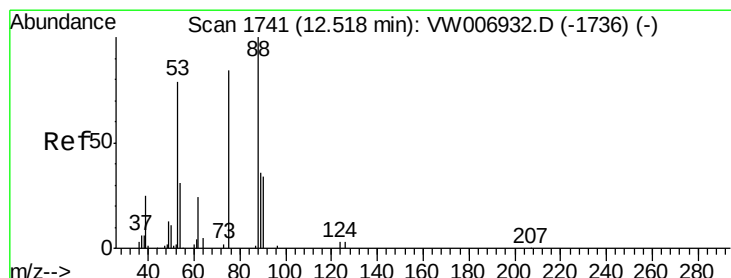
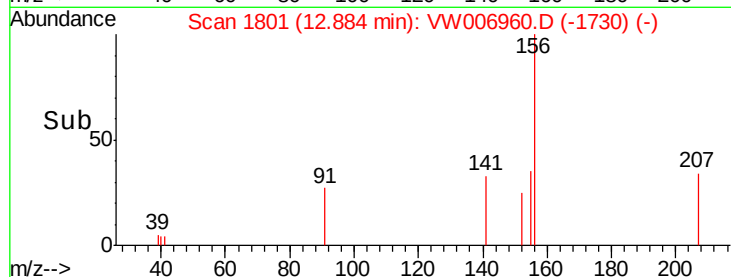
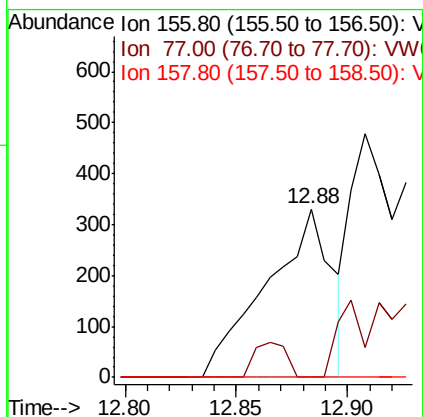
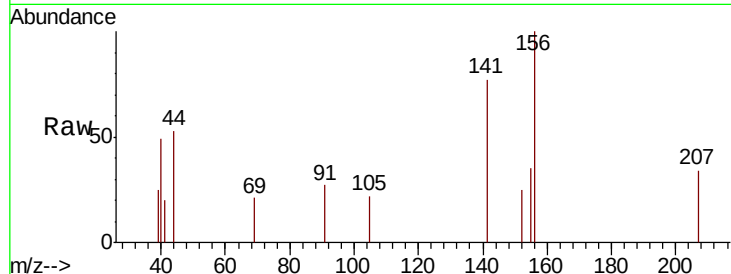




#77
Bromobenzene
Concen: 1.035 ug/l
RT: 12.88 min Scan# 1801
Delta R.T. 0.13 min
Lab File: VW006960.D
Acq: 19 Nov 2018 23:06

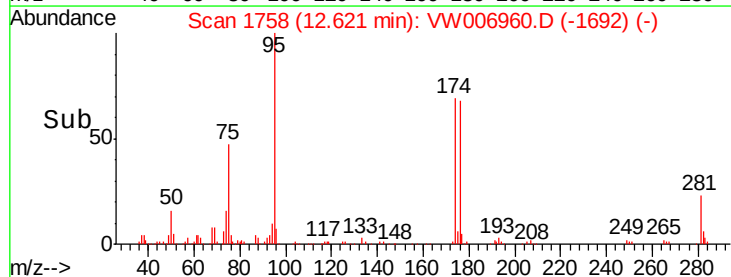
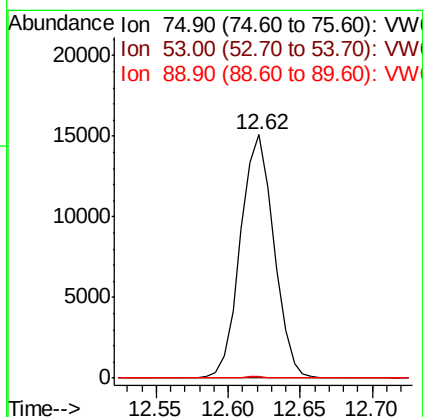
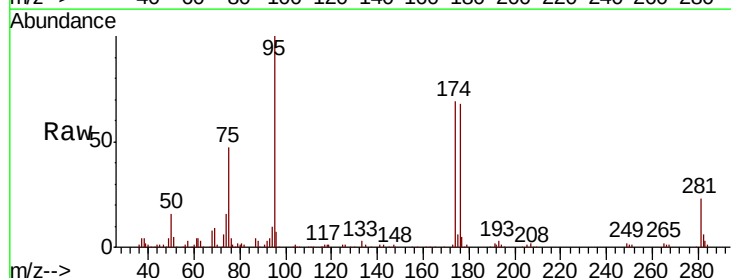
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)

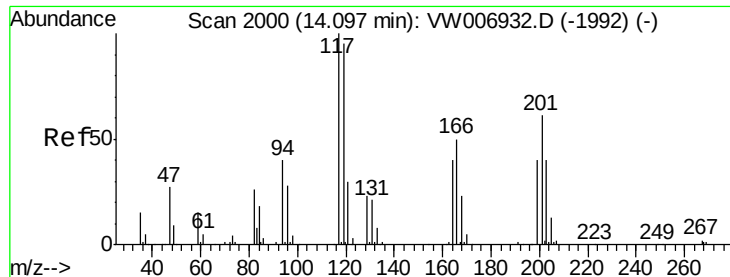
Tot Ion:156 Resp: 673
Ion Ratio Lower Upper
156 100
77 10.4 97.8 293.3#
158 0.0 47.9 143.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 178.128 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW006960.D
Acq: 19 Nov 2018 23:06

Tgt Ion: 75 Resp: 24352
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 0.3 39.5 59.3#





#90

Hexachloroethane

Concen: 3.268 ug/l

RT: 14.21 min Scan# 2019

Delta R.T. 0.12 min

Lab File: VW006960.D

Acq: 19 Nov 2018 23:06

Instrument :

MSVOA_W

ClientSampleId :

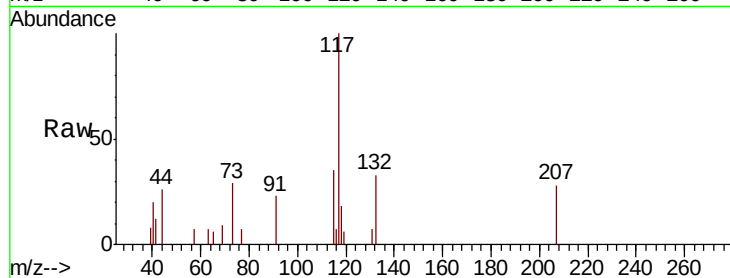
MMTW-03(8-10)

Tot Ion:117 Resp: 1490

Ion Ratio Lower Upper

117 100

201 0.0 33.8 101.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.21

800

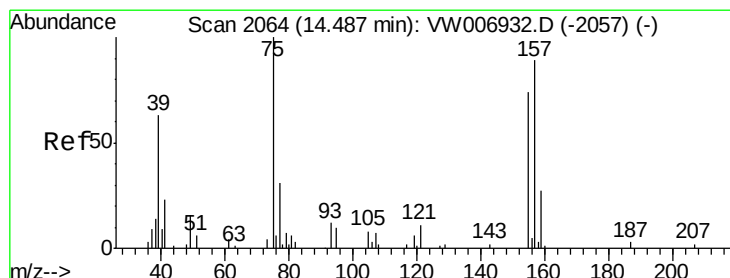
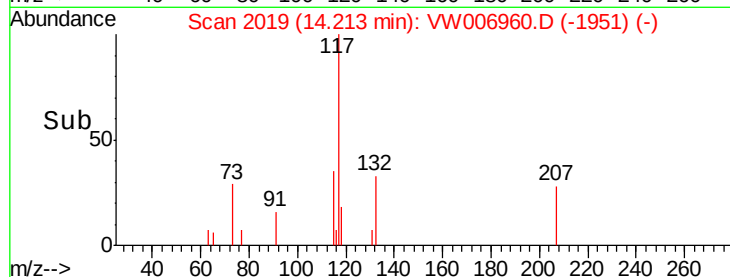
600

400

200

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 8.352 ug/l

RT: 14.55 min Scan# 2074

Delta R.T. 0.06 min

Lab File: VW006960.D

Acq: 19 Nov 2018 23:06

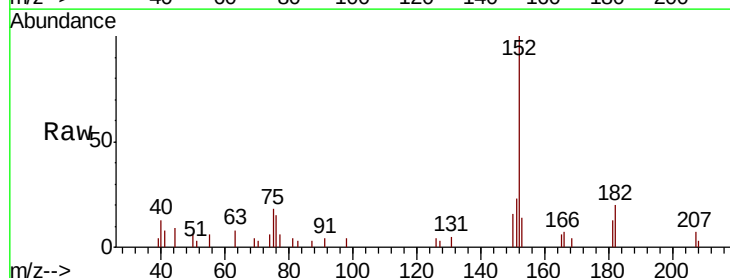
Tgt Ion: 75 Resp: 652

Ion Ratio Lower Upper

75 100

155 0.0 38.6 115.7#

157 0.0 49.7 149.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.55

400

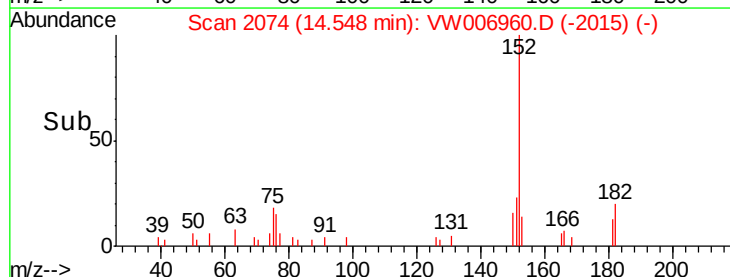
300

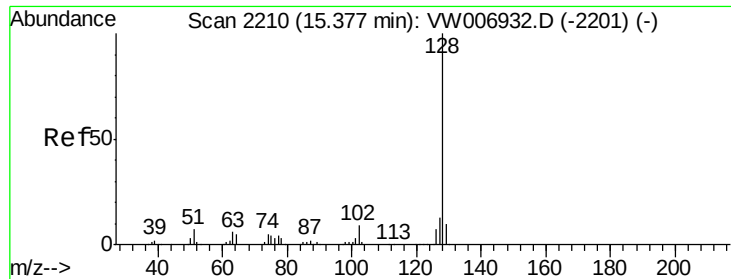
200

100

0

Time-->

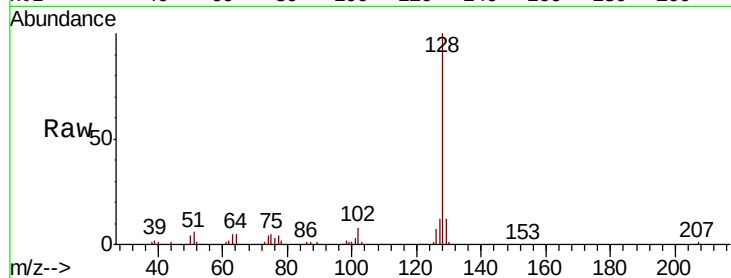




#95
Naphthalene
Concen: 49.616 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006960.D
Acq: 19 Nov 2018 23:06

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	11.1	8.5	12.7



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

