

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
 Data File : VW009037.D
 Acq On : 07 Mar 2019 13:29
 Operator : SY/VA
 Sample : VIBLK
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Mar 08 03:27:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 03:11:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	287454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	411733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	407004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	209463	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	144054	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
35) Dibromofluoromethane	7.88	113	125234	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
50) Toluene-d8	10.32	98	536723	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
62) 4-Bromofluorobenzene	12.62	95	197309	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	

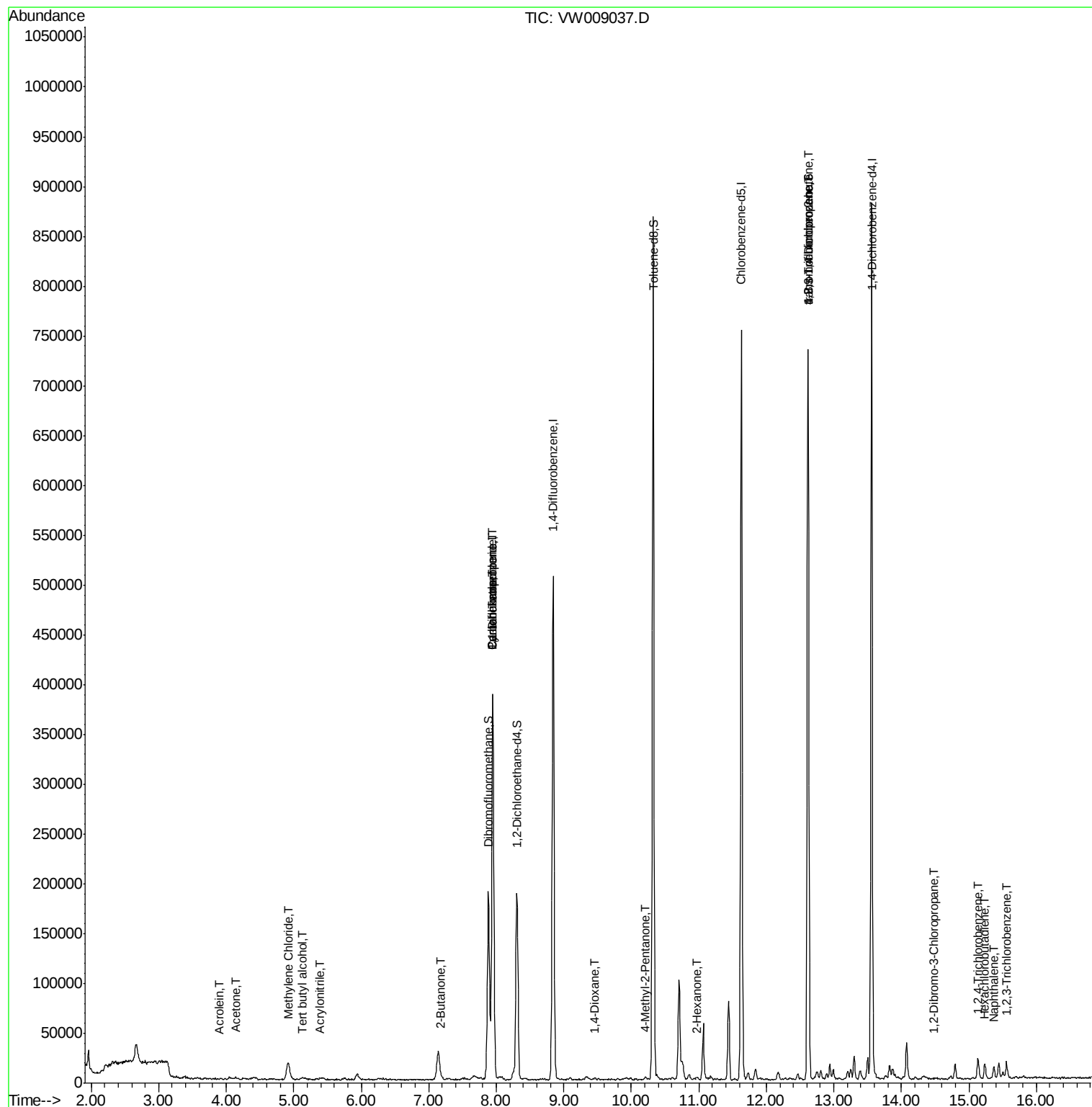
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	236	1.146	ug/l #	94
13) Acrolein	3.90	56	287	1.165	ug/l #	35
15) Acrylonitrile	5.39	53	921	1.418	ug/l #	24
16) Acetone	4.14	43	2907	4.414	ug/l	99
20) Methylene Chloride	4.92	84	12149	3.241	ug/l #	96
25) 2-Butanone	7.18	43	1082	1.210	ug/l #	47
31) Cyclohexane	7.95	56	8368	1.571	ug/l #	40
36) 1,1-Dichloropropene	7.95	75	22249	5.223	ug/l #	50
38) Carbon Tetrachloride	7.95	117	28432	6.440	ug/l #	16
49) 1,4-Dioxane	9.46	88	62	2.698	ug/l #	54
51) 4-Methyl-2-Pentanone	10.21	43	2224	1.166	ug/l #	86
59) 2-Hexanone	10.98	43	1441	1.070	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	109931	47.133	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	109931	149.726	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.48	75	608	1.383	ug/l #	42
93) 1,2,4-Trichlorobenzene	15.14	180	5893	1.379	ug/l	91
94) Hexachlorobutadiene	15.24	225	2750	1.029	ug/l	95
95) Naphthalene	15.37	128	9930	1.402	ug/l	97
96) 1,2,3-Trichlorobenzene	15.57	180	5541	1.476	ug/l	95

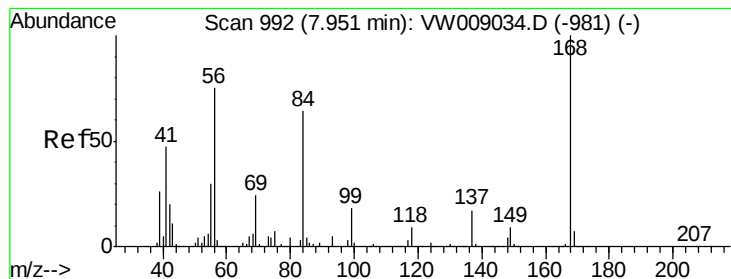
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
VIBLK

Quant Time: Mar 08 03:27:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 03:11:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009037.D

Acq: 07 Mar 2019 13:29

Instrument :

MSVOA_W

ClientSampleId :

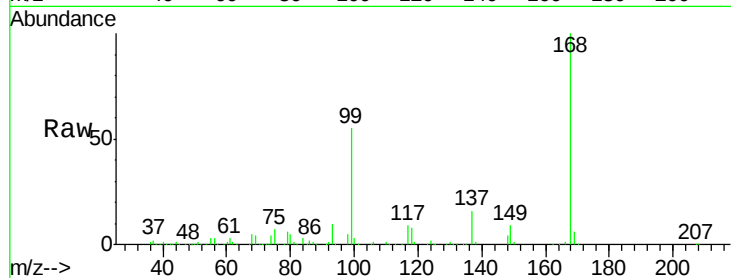
VIBLK

Tgt Ion: 168 Resp: 287454

Ion Ratio Lower Upper

168 100

99 55.4 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

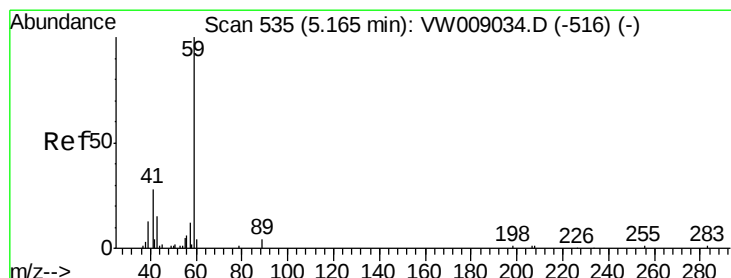
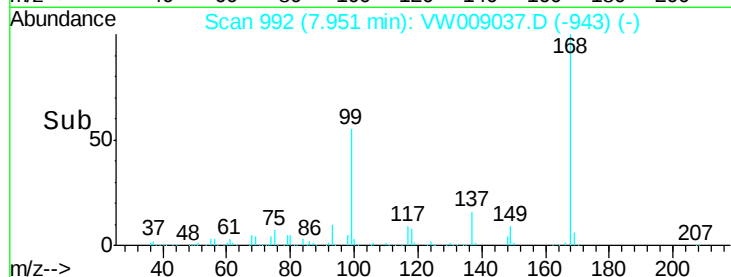
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.146 ug/l

RT: 5.13 min Scan# 530

Delta R.T. -0.03 min

Lab File: VW009037.D

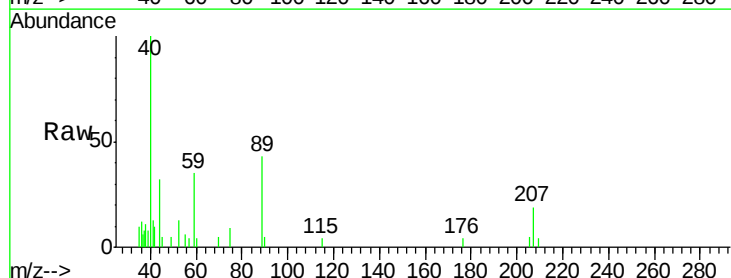
Acq: 07 Mar 2019 13:29

Tgt Ion: 59 Resp: 236

Ion Ratio Lower Upper

59 100

57 8.5 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

500

400

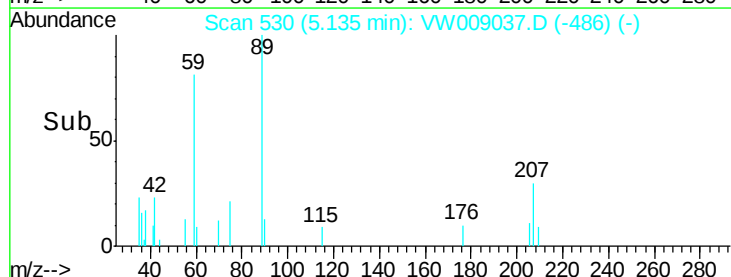
300

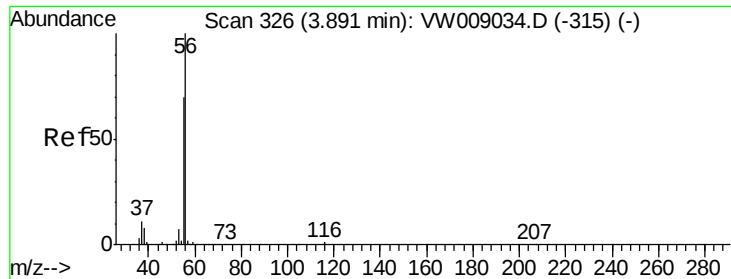
200

100

0

Time-->

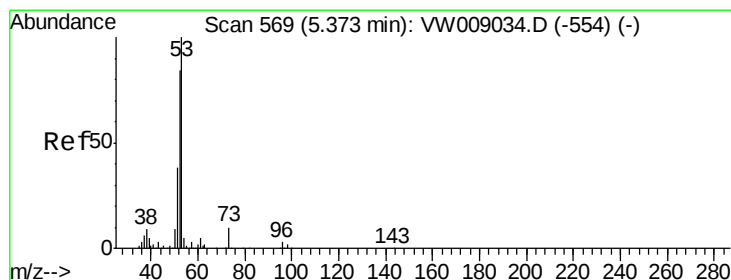
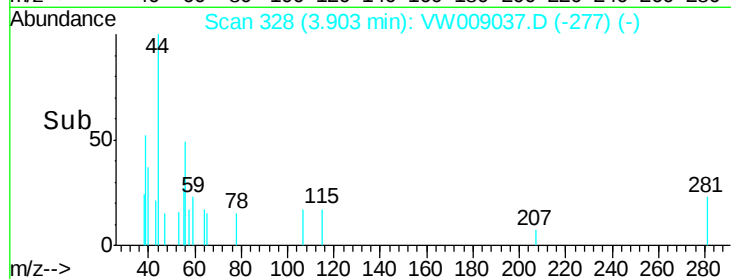
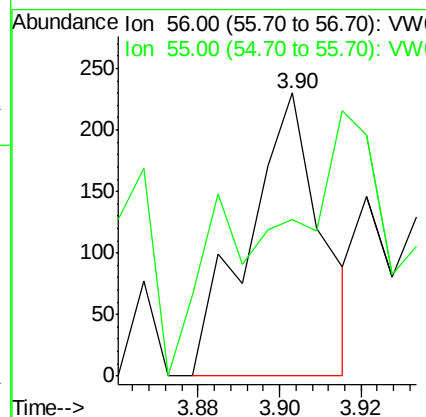
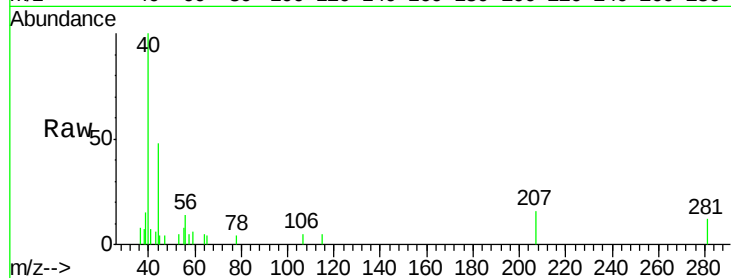




#13
 Acrolein
 Concen: 1.165 ug/l
 RT: 3.90 min Scan# 328
 Delta R.T. 0.01 min
 Lab File: VW009037.D
 Acq: 07 Mar 2019 13:29

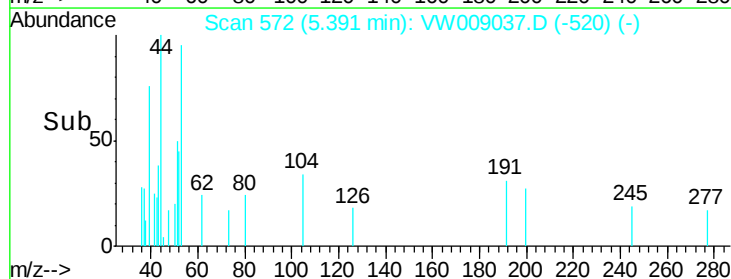
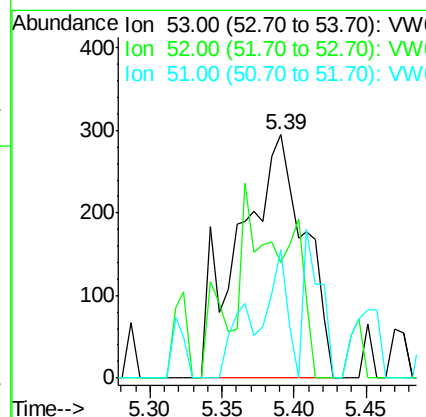
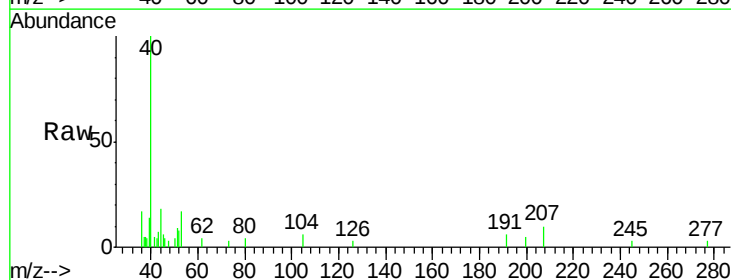
Instrument :
 MSVOA_W
 ClientSampled :
 VIBLK

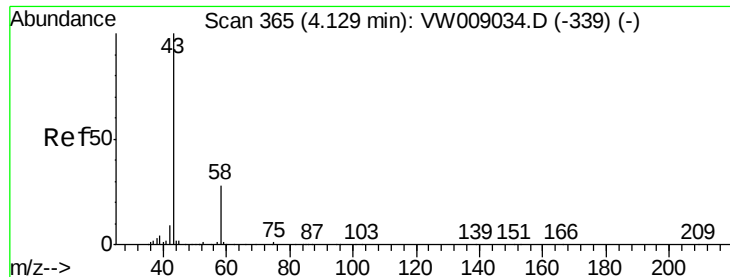
Tgt Ion: 56 Resp: 287
 Ion Ratio Lower Upper
 56 100
 55 124.4 56.6 84.8#



#15
 Acrylonitrile
 Concen: 1.418 ug/l
 RT: 5.39 min Scan# 572
 Delta R.T. 0.02 min
 Lab File: VW009037.D
 Acq: 07 Mar 2019 13:29

Tgt Ion: 53 Resp: 921
 Ion Ratio Lower Upper
 53 100
 52 0.0 67.2 100.8#
 51 15.2 31.8 47.6#





#16

Acetone

Concen: 4.414 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW009037.D

Acq: 07 Mar 2019 13:29

Instrument :

MSVOA_W

ClientSampled :

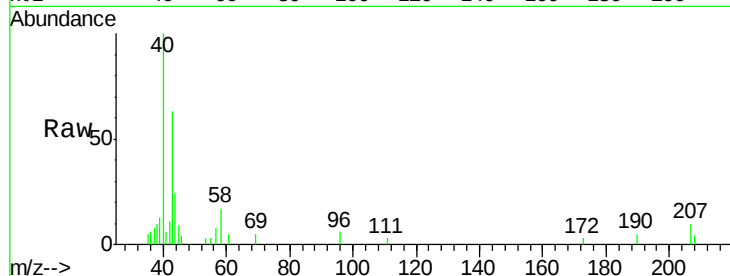
VIBLK

Tgt Ion: 43 Resp: 2907

Ion Ratio Lower Upper

43 100

58 27.8 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

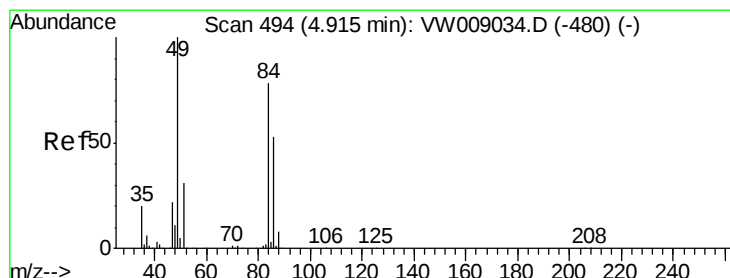
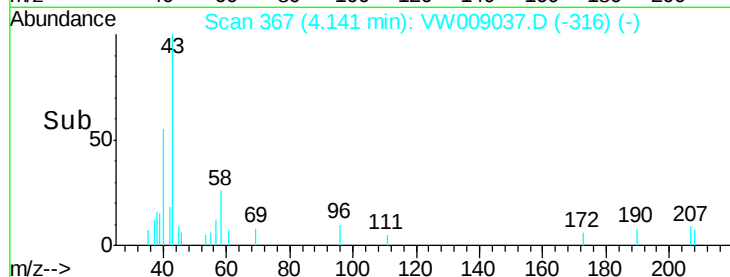
4.14

1000

500

0

Time--> 4.00 4.10 4.20



#20

Methylene Chloride

Concen: 3.241 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW009037.D

Acq: 07 Mar 2019 13:29

Tgt Ion: 84 Resp: 12149

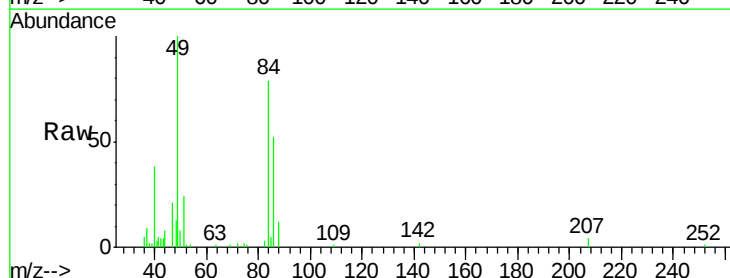
Ion Ratio Lower Upper

84 100

49 127.3 102.4 153.6

51 29.4 31.6 47.4#

86 65.9 54.5 81.7



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

4.92

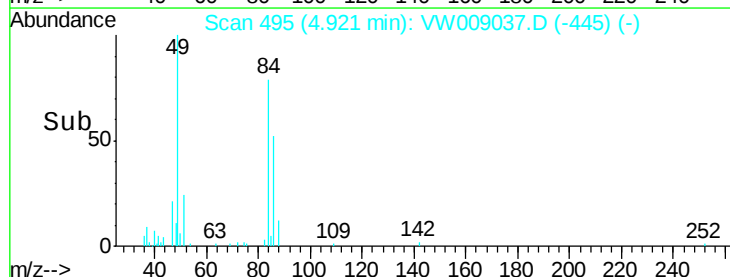
6000

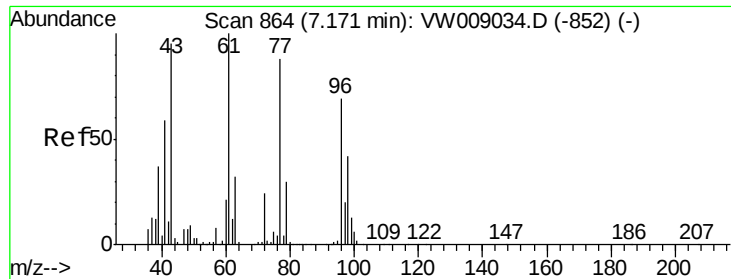
4000

2000

0

Time--> 4.80 4.90 5.00





#25

2-Butanone

Concen: 1.210 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW009037.D

Acq: 07 Mar 2019 13:29

Instrument :

MSVOA_W

ClientSampleId :

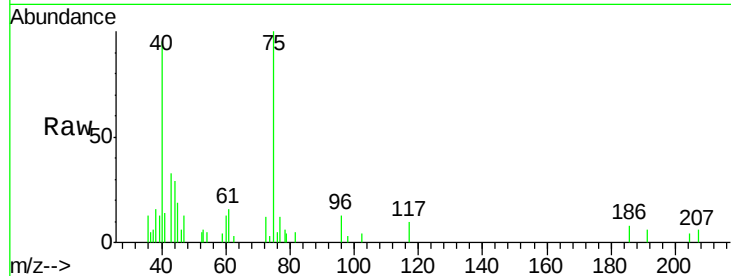
VIBLK

Tgt Ion: 43 Resp: 1082

Ion Ratio Lower Upper

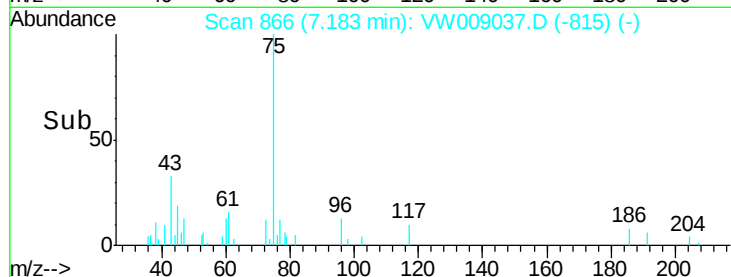
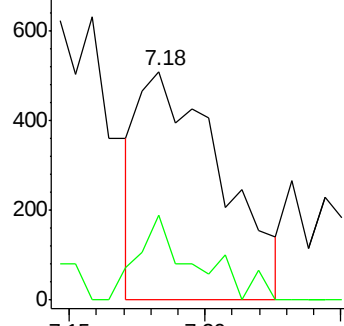
43 100

72 51.8 20.0 30.0#

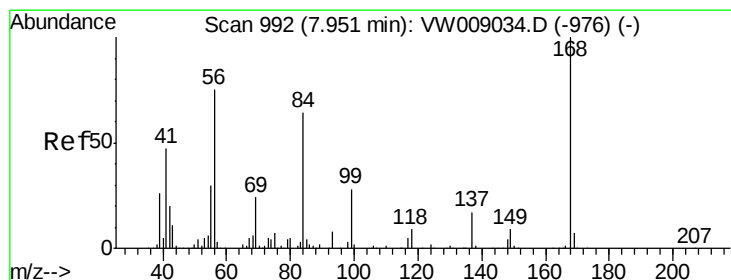


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#31

Cyclohexane

Concen: 1.571 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009037.D

Acq: 07 Mar 2019 13:29

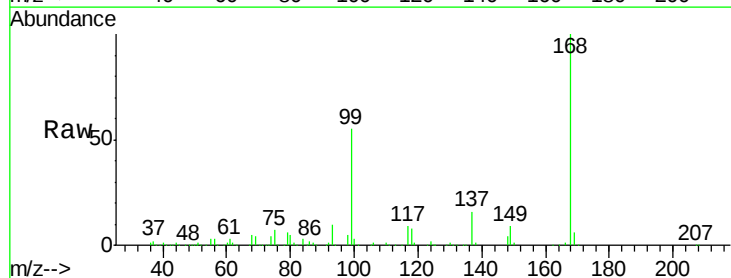
Tgt Ion: 56 Resp: 8368

Ion Ratio Lower Upper

56 100

69 127.4 25.5 38.3#

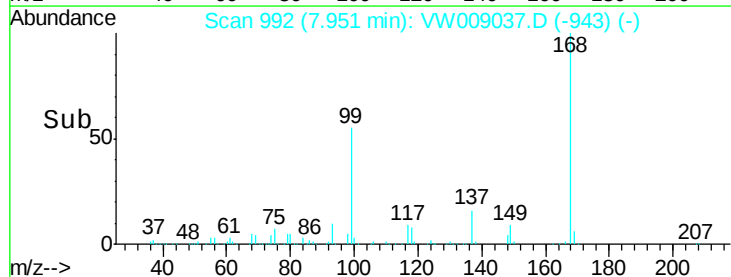
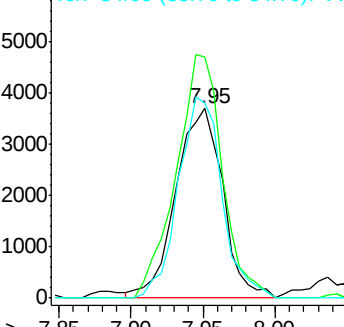
84 102.8 68.6 103.0



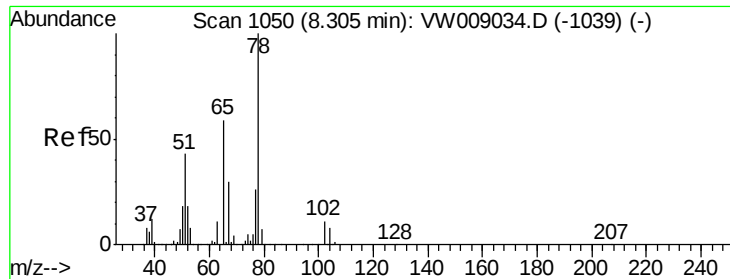
Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



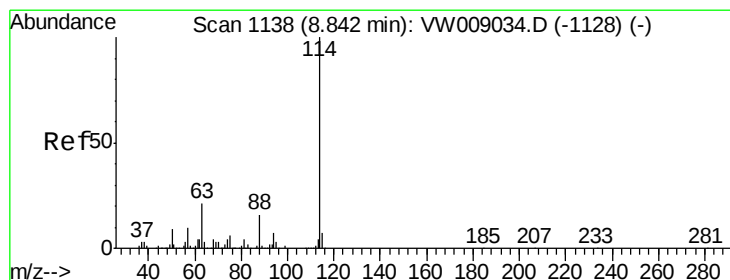
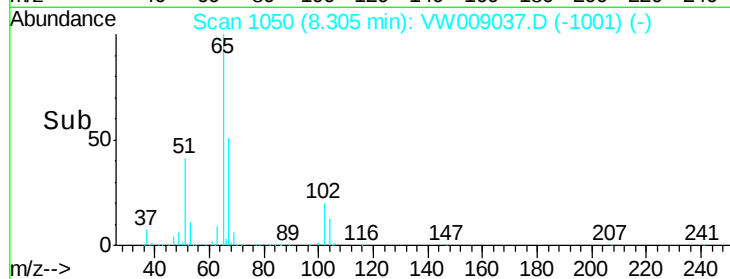
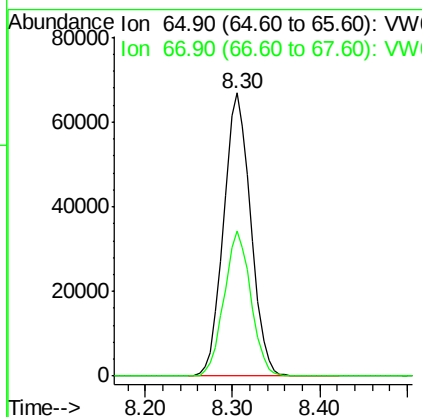
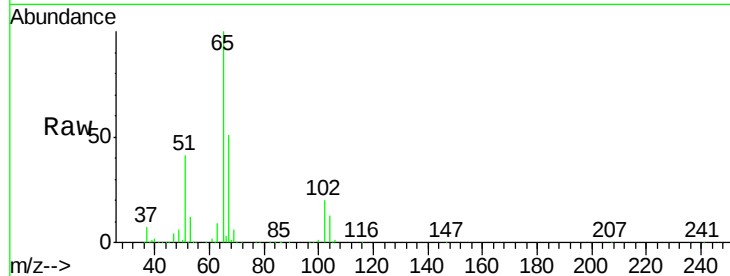
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 48.892 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009037.D
 Acq: 07 Mar 2019 13:29

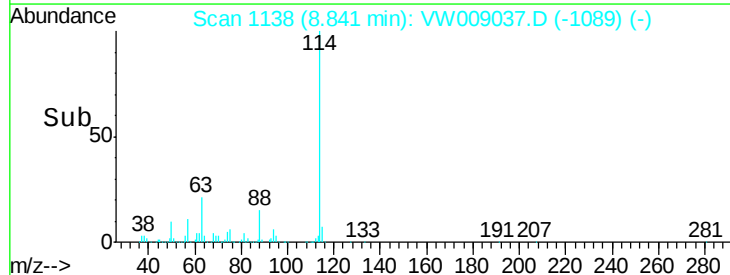
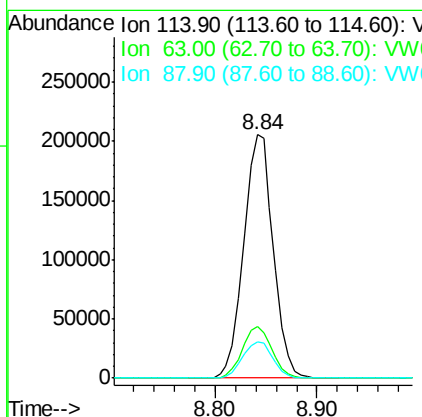
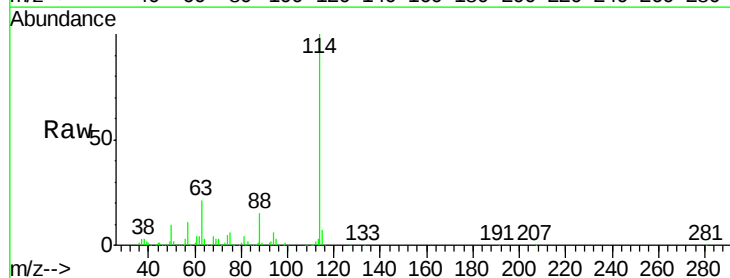
Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

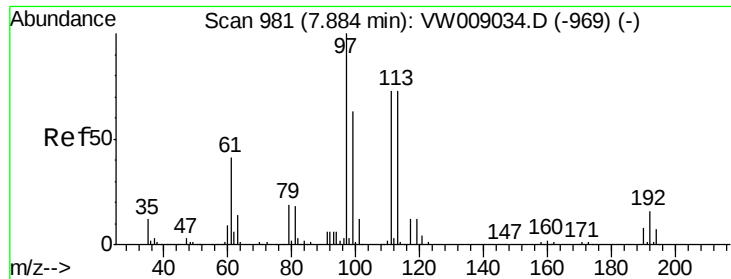
Tgt Ion: 65 Resp: 144054
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009037.D
 Acq: 07 Mar 2019 13:29

Tgt Ion: 114 Resp: 411733
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.2
 88 15.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.432 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW009037.D

Acq: 07 Mar 2019 13:29

Instrument :

MSVOA_W

ClientSampled :

VIBLK

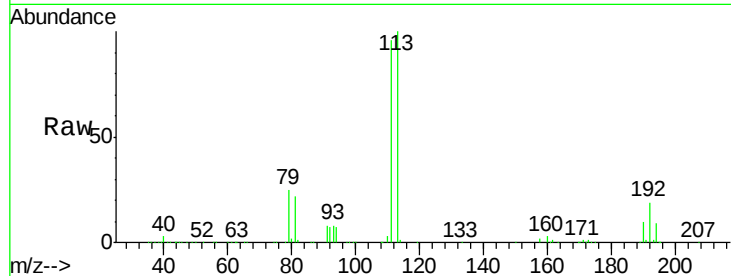
Tgt Ion:113 Resp: 125234

Ion Ratio Lower Upper

113 100

111 102.0 81.0 121.4

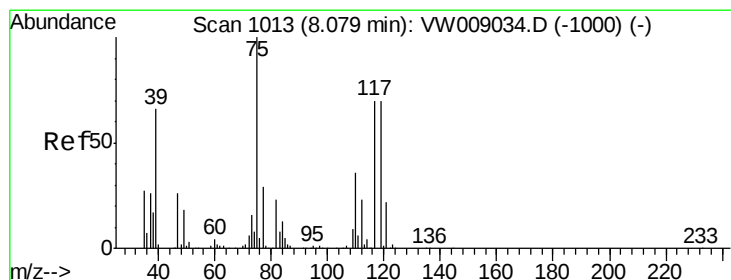
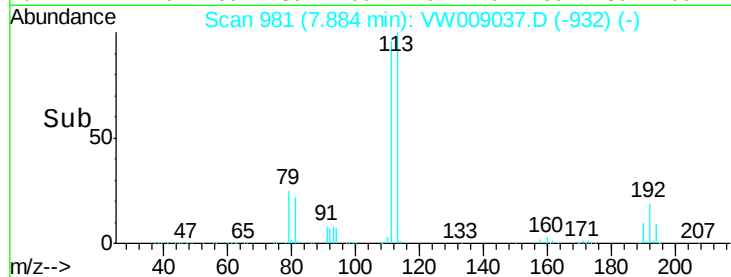
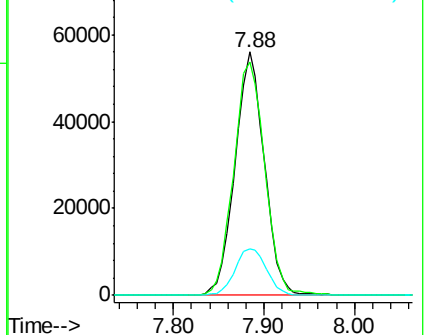
192 20.5 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.223 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009037.D

Acq: 07 Mar 2019 13:29

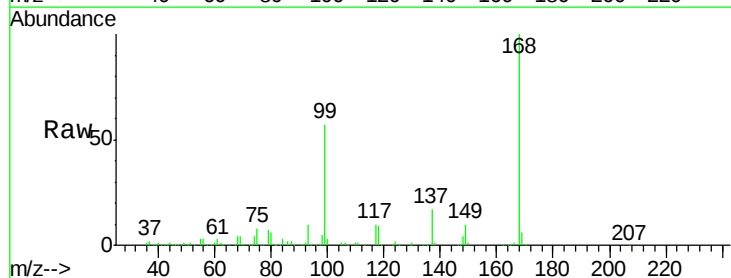
Tgt Ion: 75 Resp: 22249

Ion Ratio Lower Upper

75 100

110 10.0 17.6 52.9#

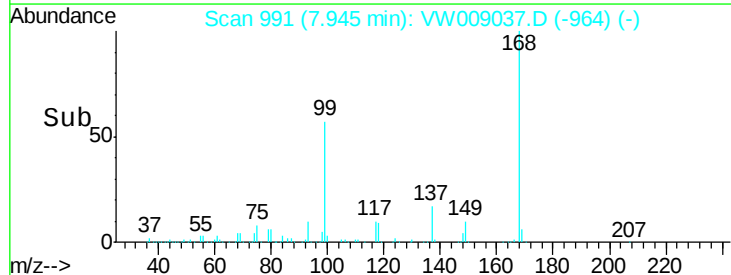
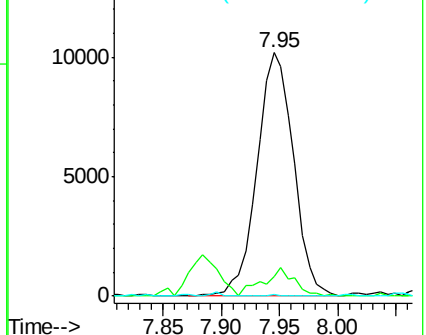
77 0.1 25.1 37.7#

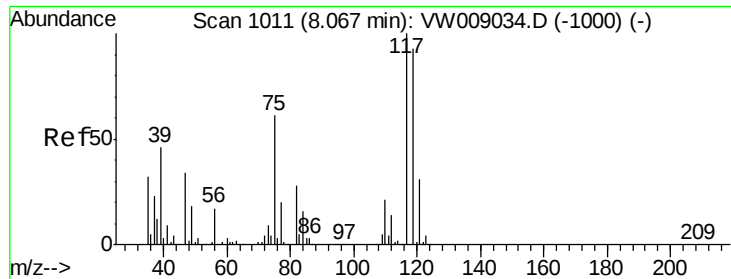


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.440 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009037.D

Acq: 07 Mar 2019 13:29

Instrument :

MSVOA_W

ClientSampled :

VIBLK

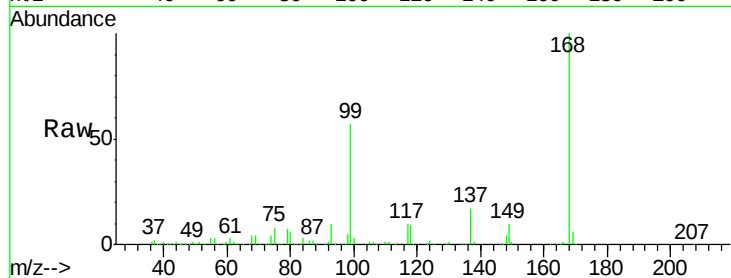
Tgt Ion:117 Resp: 28432

Ion Ratio Lower Upper

117 100

119 3.9 74.6 112.0#

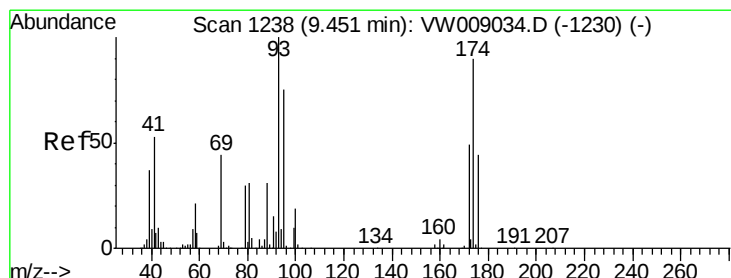
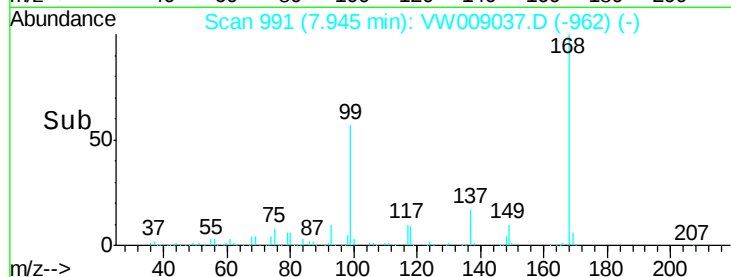
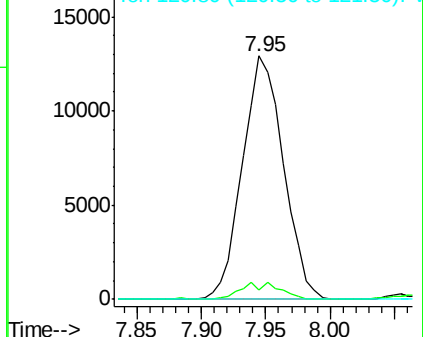
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 2.698 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW009037.D

Acq: 07 Mar 2019 13:29

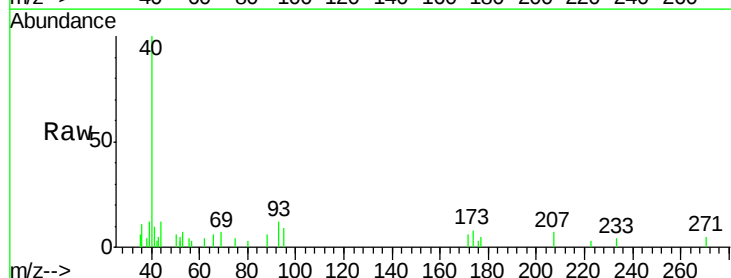
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

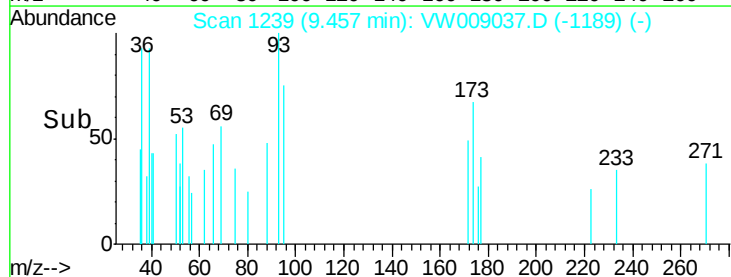
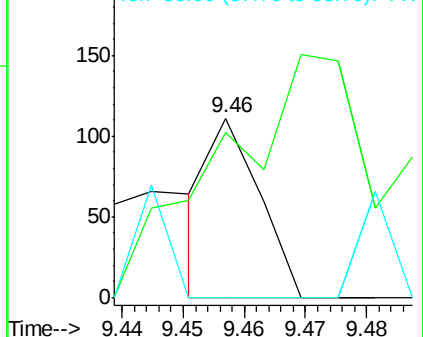
58 41.9 59.2 88.8#

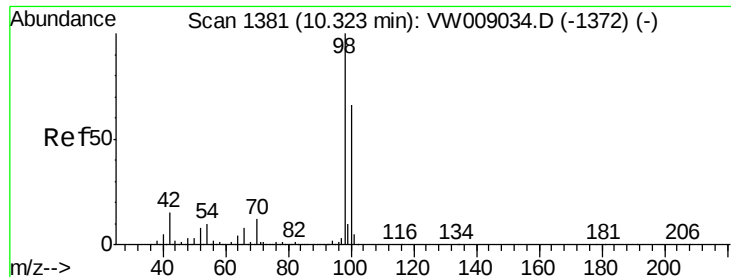


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 52.263 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009037.D

Acq: 07 Mar 2019 13:29

Instrument :

MSVOA_W

ClientSampled :

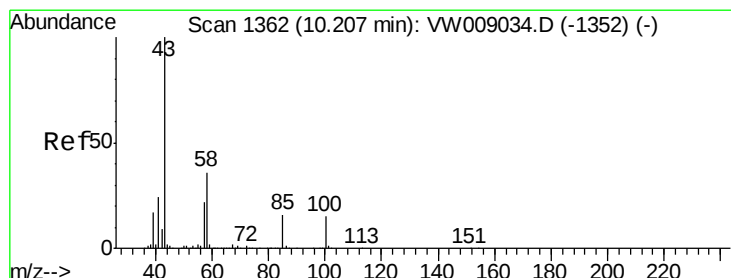
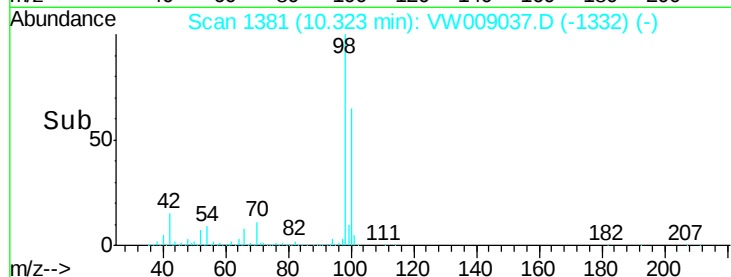
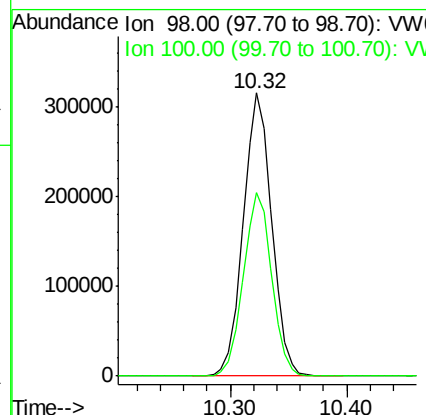
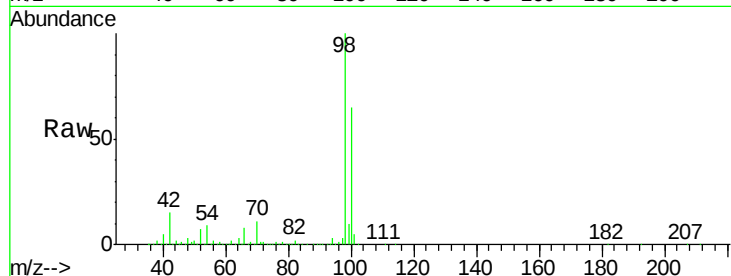
VIBLK

Tgt Ion: 98 Resp: 536723

Ion Ratio Lower Upper

98 100

100 64.9 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 1.166 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009037.D

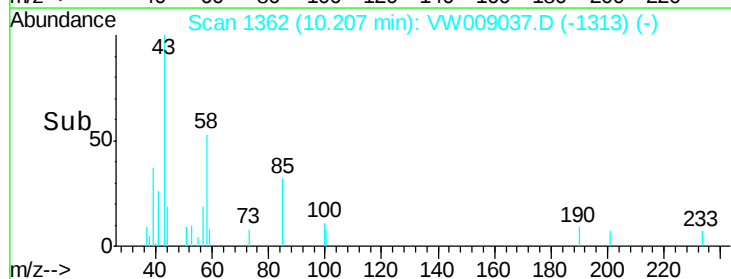
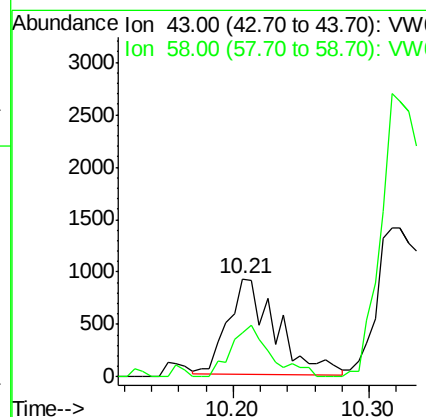
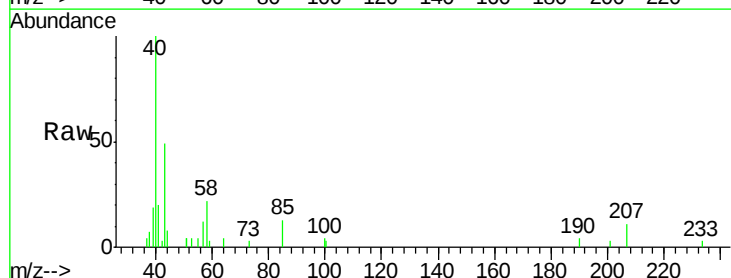
Acq: 07 Mar 2019 13:29

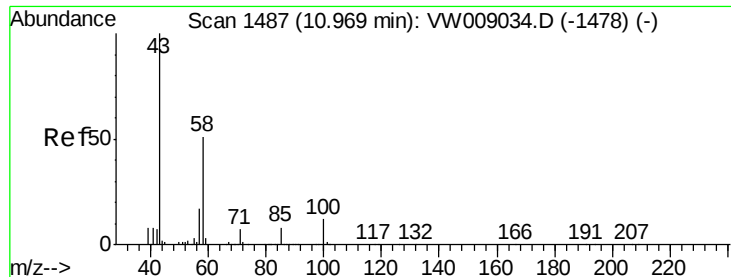
Tgt Ion: 43 Resp: 2224

Ion Ratio Lower Upper

43 100

58 44.4 28.8 43.2#

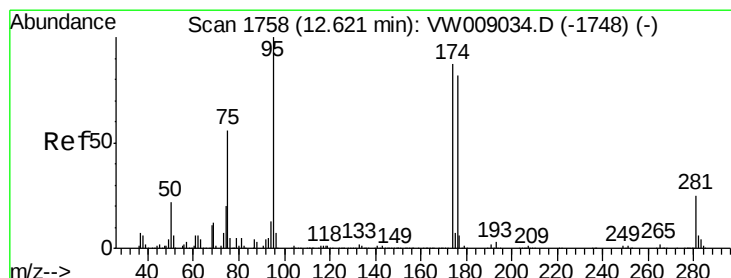
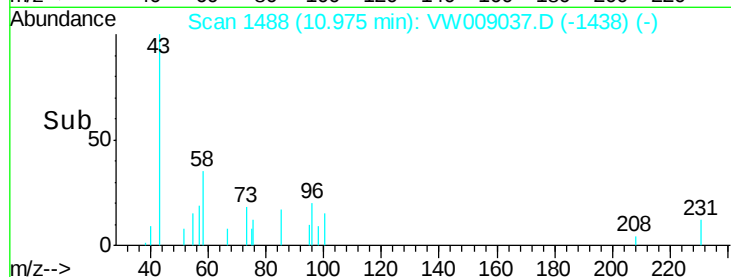
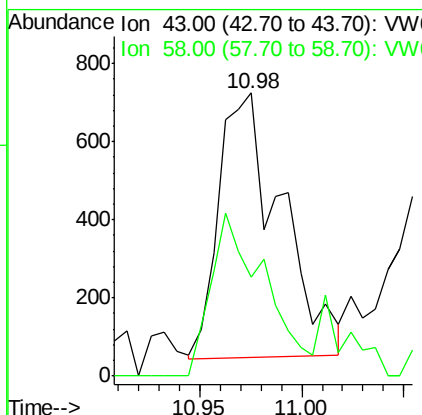
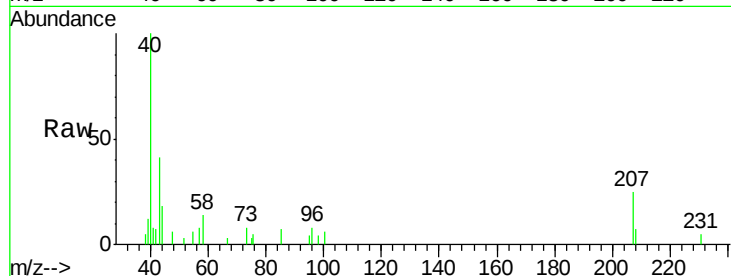




#59
2-Hexanone
Concen: 1.070 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW009037.D
Acq: 07 Mar 2019 13:29

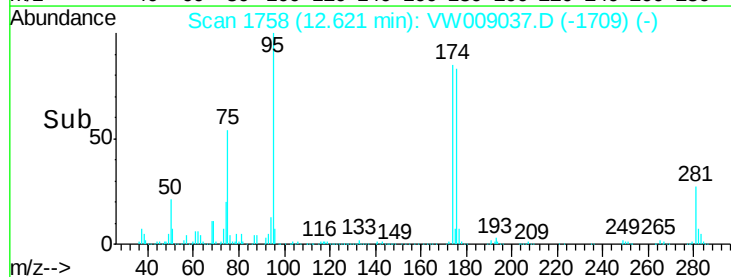
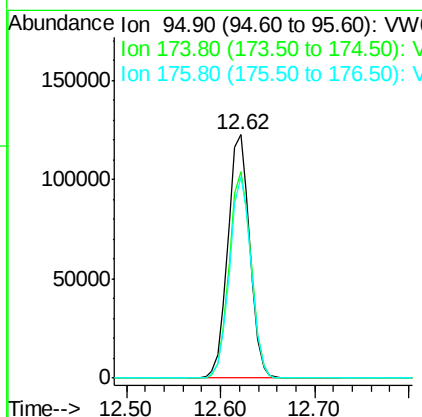
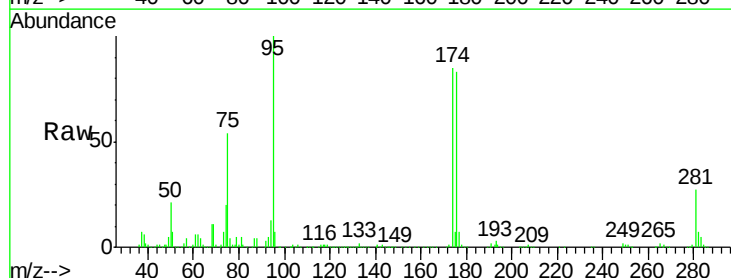
Instrument :
MSVOA_W
ClientSampled :
VIBLK

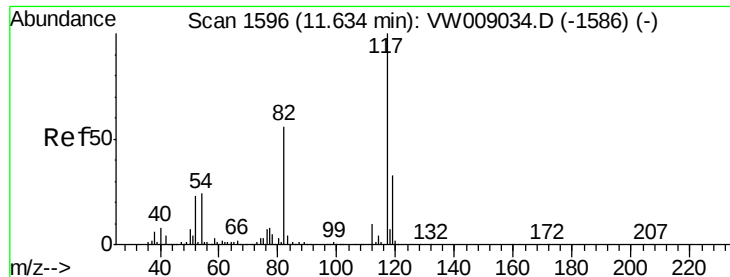
Tgt Ion: 43 Resp: 1441
Ion Ratio Lower Upper
43 100
58 53.6 25.3 75.9



#62
4-Bromofluorobenzene
Concen: 48.874 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW009037.D
Acq: 07 Mar 2019 13:29

Tgt Ion: 95 Resp: 197309
Ion Ratio Lower Upper
95 100
174 85.0 0.0 167.0
176 81.7 0.0 159.4

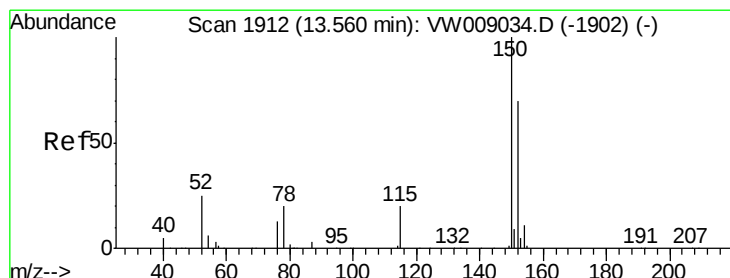
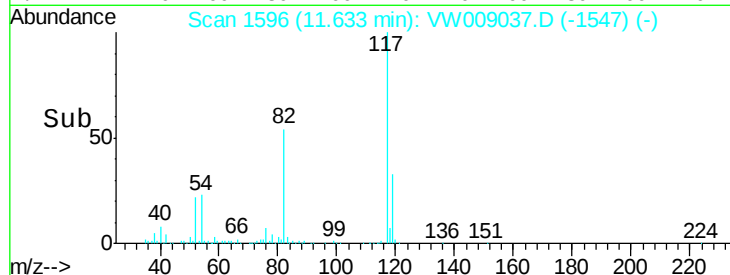
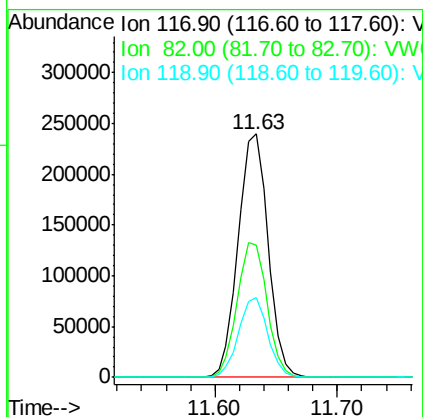
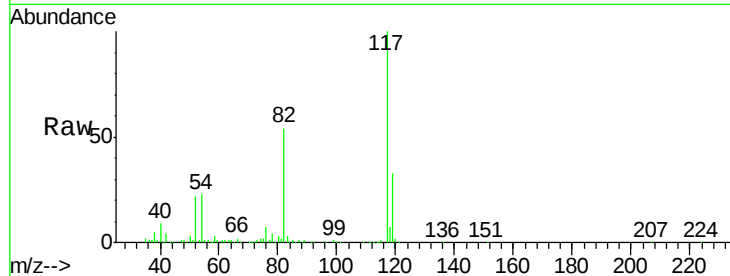




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009037.D
Acq: 07 Mar 2019 13:29

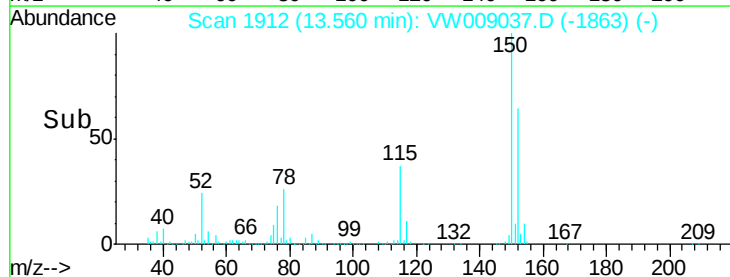
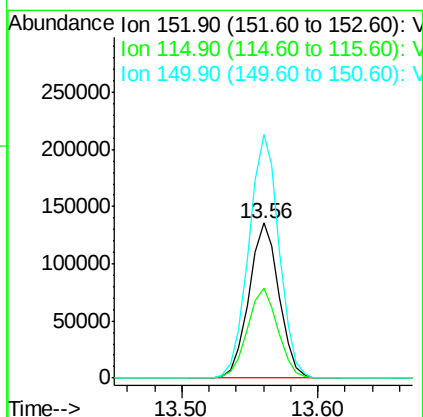
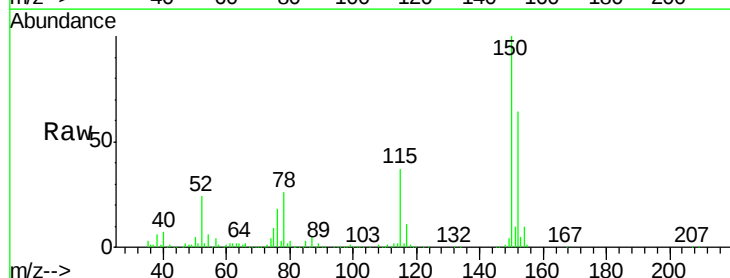
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

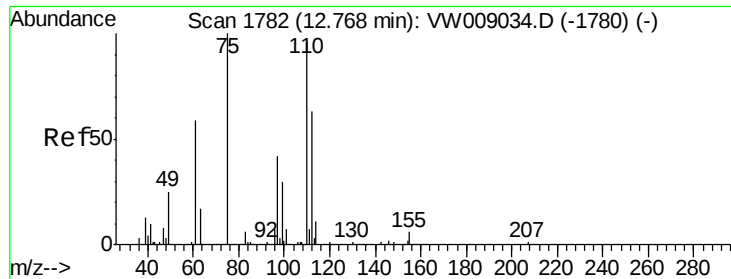
Tgt Ion:117 Resp: 407004
Ion Ratio Lower Upper
117 100
82 54.3 45.0 67.6
119 32.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009037.D
Acq: 07 Mar 2019 13:29

Tgt Ion:152 Resp: 209463
Ion Ratio Lower Upper
152 100
115 58.6 28.9 86.7
150 159.0 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 47.133 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009037.D

Acq: 07 Mar 2019 13:29

Instrument :

MSVOA_W

ClientSampleId :

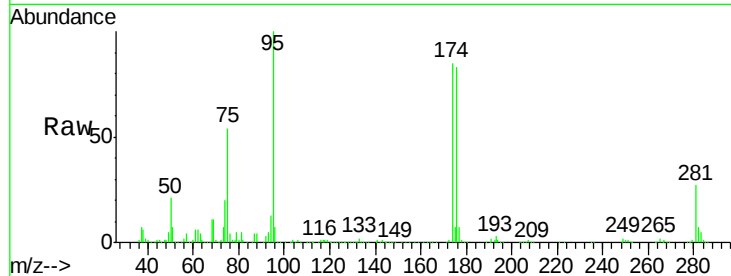
VIBLK

Tgt Ion: 75 Resp: 109931

Ion Ratio Lower Upper

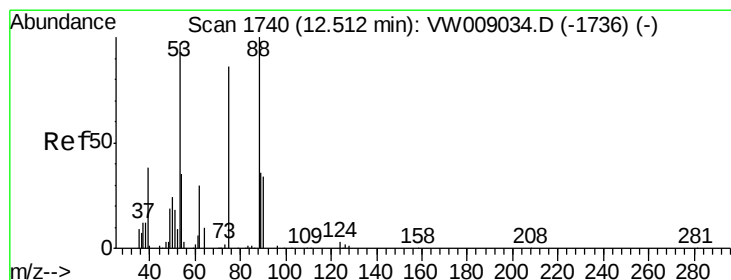
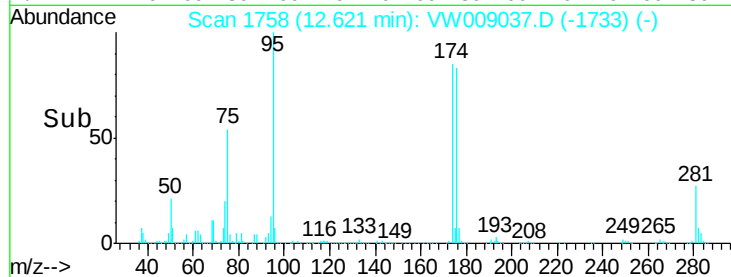
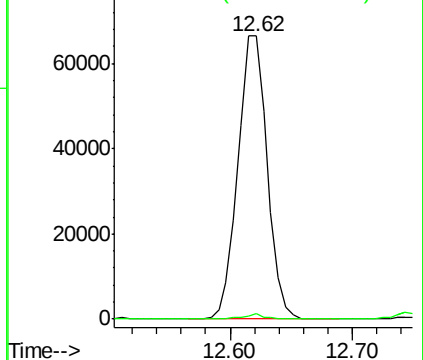
75 100

77 1.5 186.7 560.0#



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: 149.726 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009037.D

Acq: 07 Mar 2019 13:29

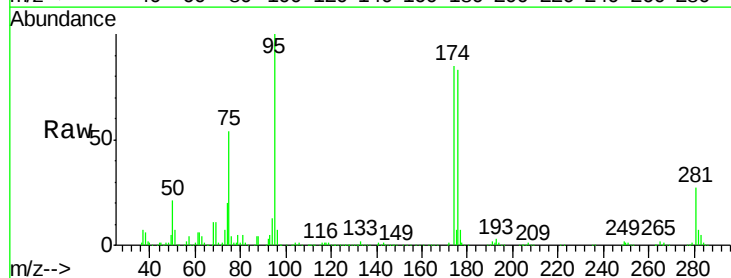
Tgt Ion: 75 Resp: 109931

Ion Ratio Lower Upper

75 100

53 0.1 90.5 135.7#

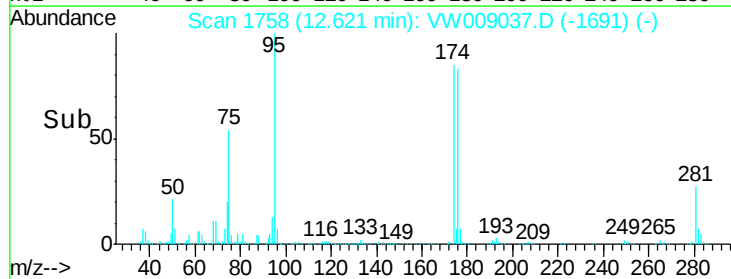
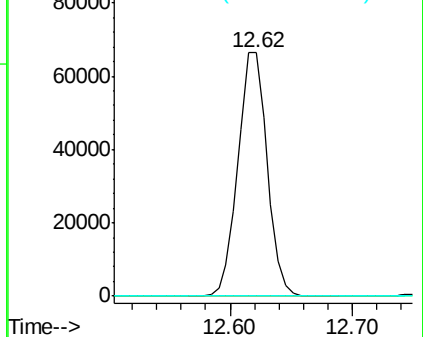
89 0.1 37.5 56.3#

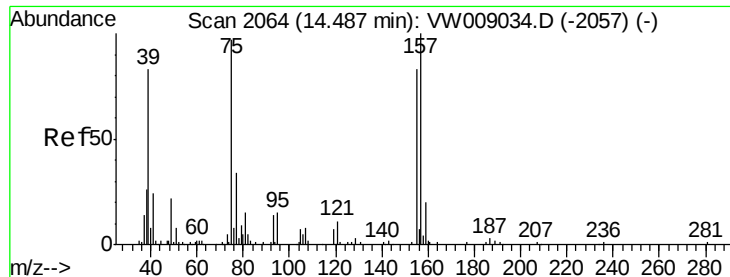


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

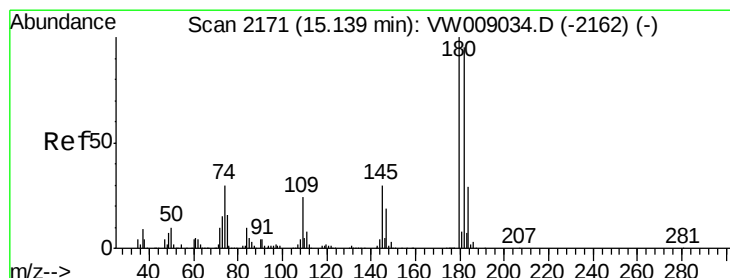
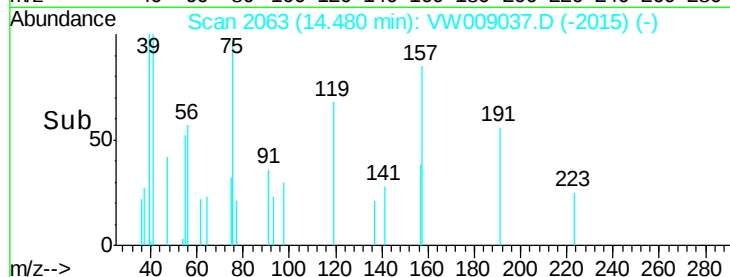
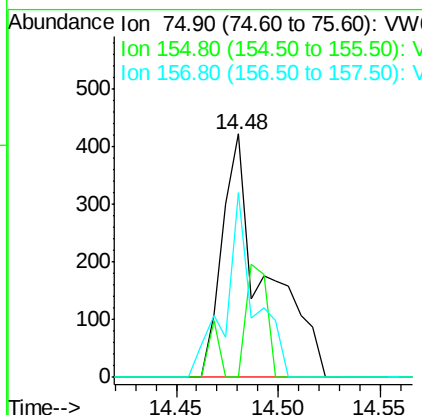
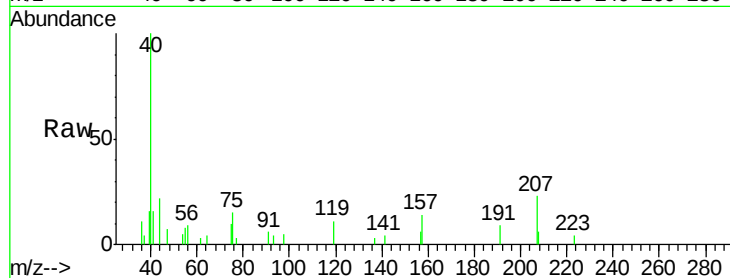




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.383 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW009037.D
 Acq: 07 Mar 2019 13:29

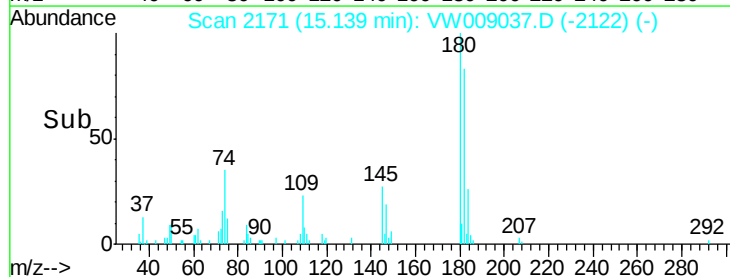
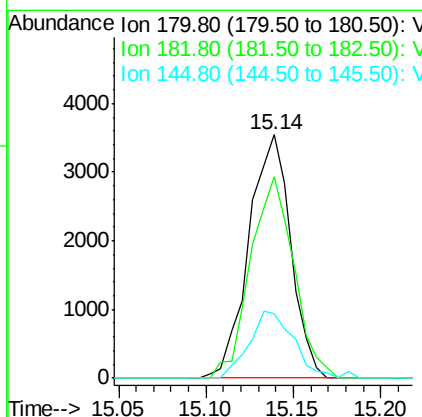
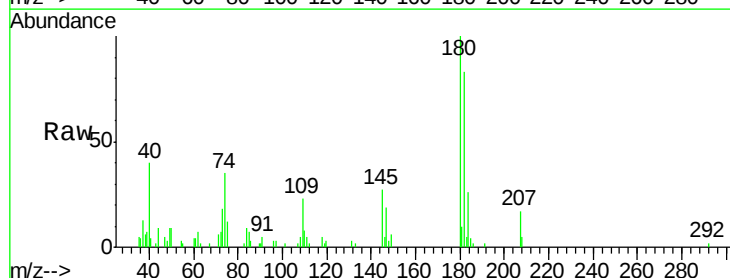
Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

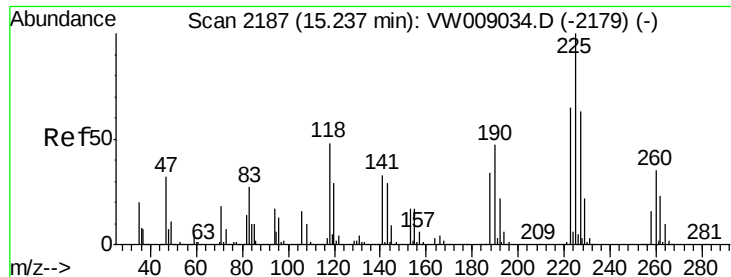
Tgt Ion: 75 Resp: 608
 Ion Ratio Lower Upper
 75 100
 155 22.4 40.8 122.4#
 157 52.6 52.4 157.3



#93
 1,2,4-Trichlorobenzene
 Concen: 1.379 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009037.D
 Acq: 07 Mar 2019 13:29

Tgt Ion: 180 Resp: 5893
 Ion Ratio Lower Upper
 180 100
 182 85.5 48.1 144.3
 145 29.0 15.4 46.1





#94

Hexachlorobutadiene

Concen: 1.029 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. 0.01 min

Lab File: VW009037.D

Acq: 07 Mar 2019 13:29

Instrument :

MSVOA_W

ClientSampled :

VIBLK

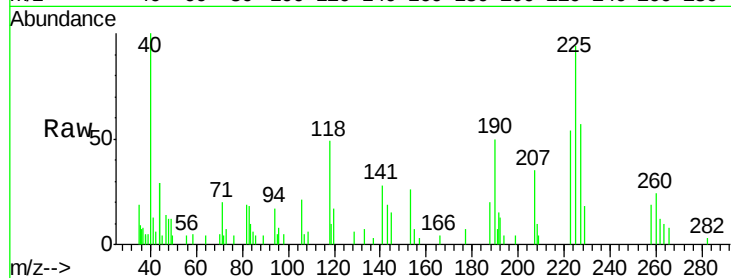
Tgt Ion:225 Resp: 2750

Ion Ratio Lower Upper

225 100

223 60.1 31.6 94.8

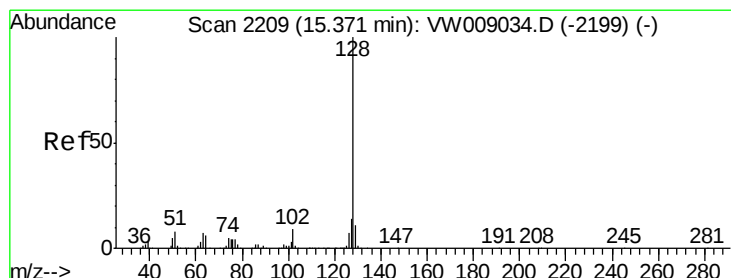
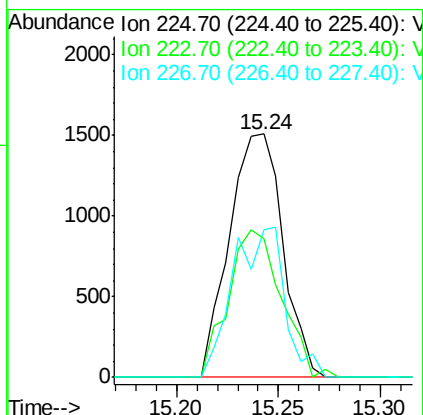
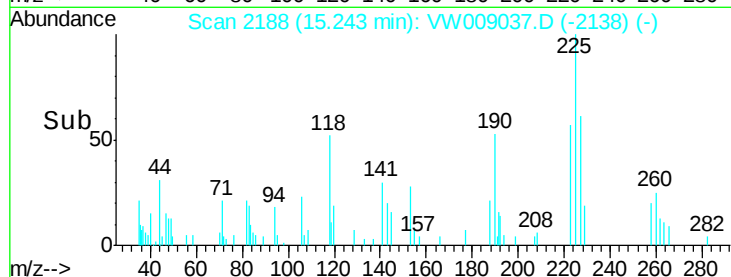
227 59.9 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.402 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009037.D

Acq: 07 Mar 2019 13:29

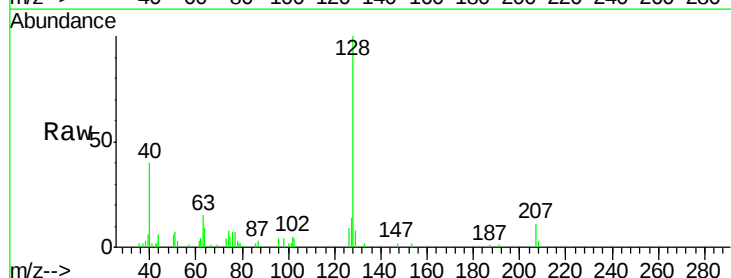
Tgt Ion:128 Resp: 9930

Ion Ratio Lower Upper

128 100

127 14.5 11.0 16.6

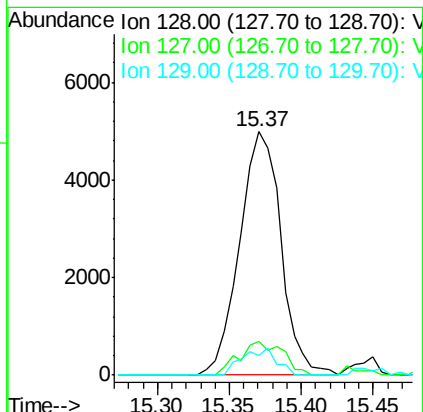
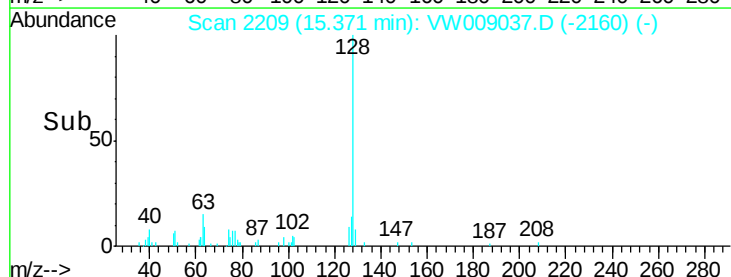
129 9.1 8.8 13.2

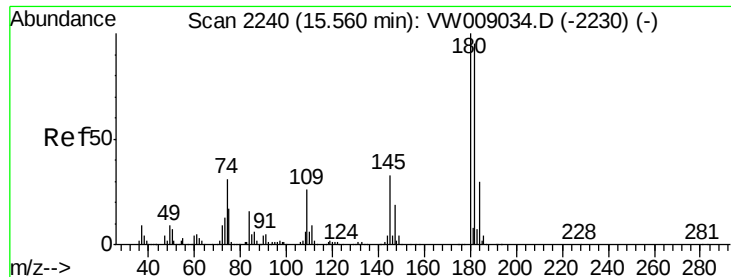


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

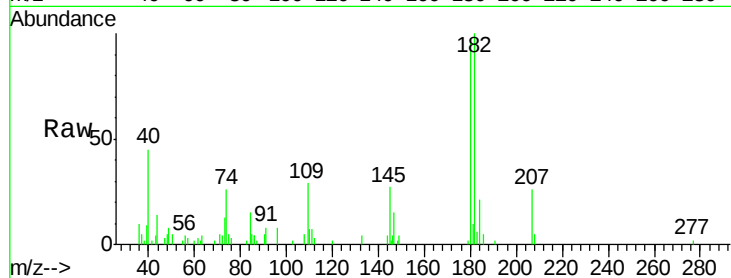




#96
 1,2,3-Trichlorobenzene
 Concen: 1.476 ug/l
 RT: 15.57 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW009037.D
 Acq: 07 Mar 2019 13:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Tgt Ion:180 Resp: 5541
 Ion Ratio Lower Upper
 180 100
 182 100.3 48.1 144.3
 145 36.4 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

