

Data File : VW008816.D
Acq On : 25 Feb 2019 19:25
Operator : SY/VA
Sample : VIBLK
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Quant Time: Feb 26 03:45:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	272408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	399077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	405362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	212243	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	151294	59.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.44%	
35) Dibromofluoromethane	7.88	113	134614	56.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.36%	
50) Toluene-d8	10.32	98	535700	57.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.84%	
62) 4-Bromofluorobenzene	12.62	95	207514	57.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.60%	

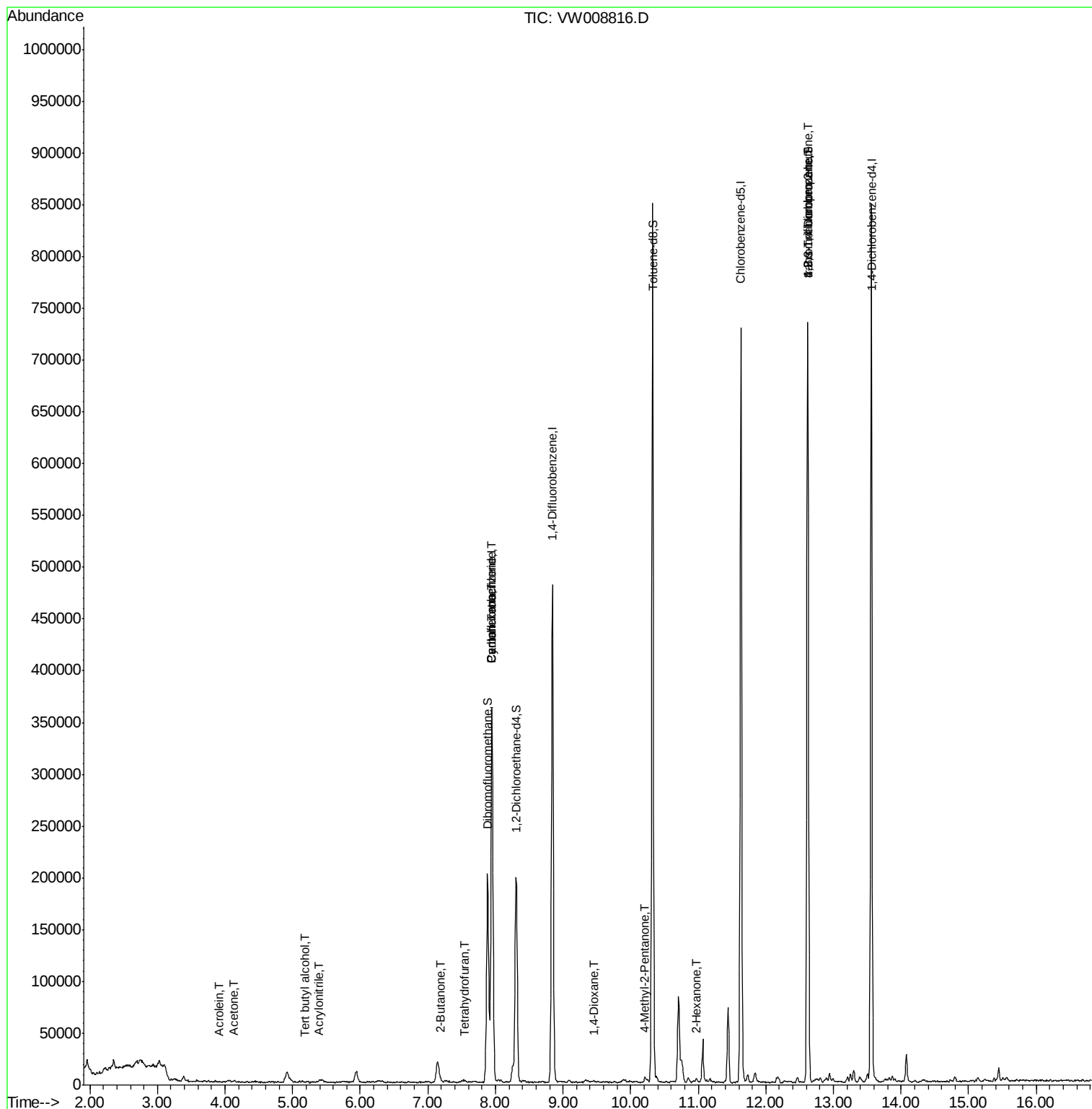
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.18	59	395	1.737	ug/l #	71
13) Acrolein	3.91	56	465	21.565	ug/l #	21
15) Acrylonitrile	5.38	53	892	1.476	ug/l #	56
16) Acetone	4.14	43	2958	4.995	ug/l #	86
20) Methylene Chloride	4.92	84	6888	Below Cal	#	87
25) 2-Butanone	7.19	43	1661	2.006	ug/l #	63
29) Tetrahydrofuran	7.54	42	1304	2.471	ug/l #	78
31) Cyclohexane	7.94	56	6828	1.418	ug/l #	5
38) Carbon Tetrachloride	7.95	117	26650	6.505	ug/l #	17
49) 1,4-Dioxane	9.46	88	100	4.283	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	4044	2.209	ug/l	98
59) 2-Hexanone	10.97	43	2683	2.059	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	107757	61.493	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	107757	149.494	ug/l #	6

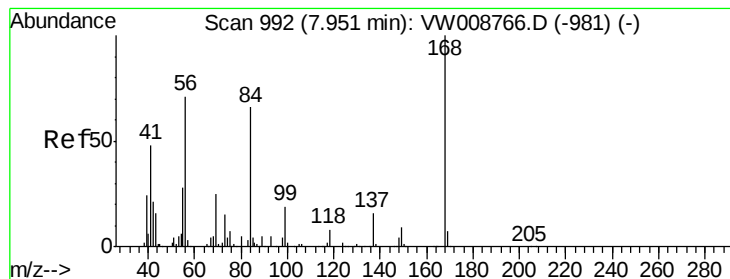
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008816.D

Acq: 25 Feb 2019 19:25

Instrument :

MSVOA_W

ClientSampled :

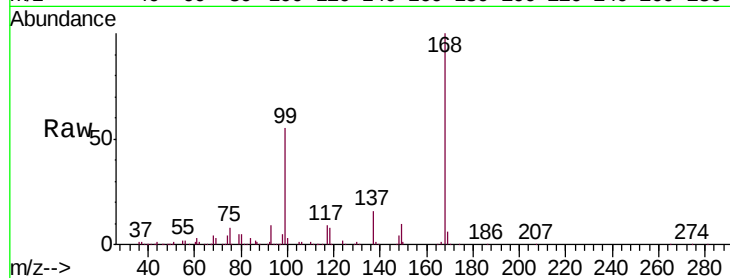
VIBLK

Tgt Ion: 168 Resp: 272408

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

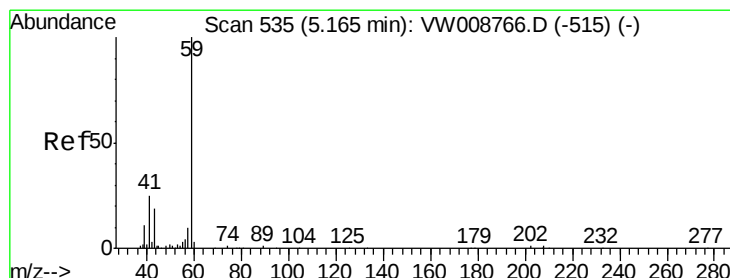
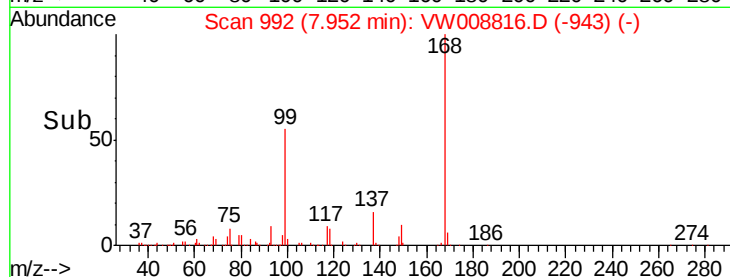
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 1.737 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW008816.D

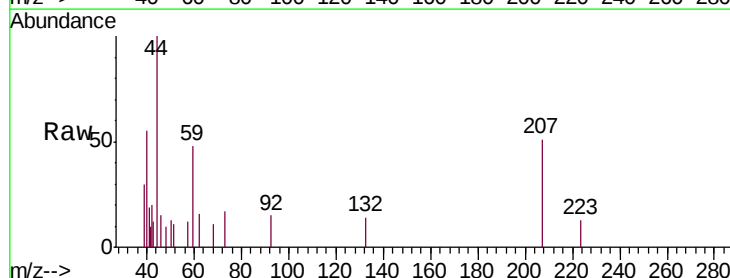
Acq: 25 Feb 2019 19:25

Tgt Ion: 59 Resp: 395

Ion Ratio Lower Upper

59 100

57 22.8 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

400

300

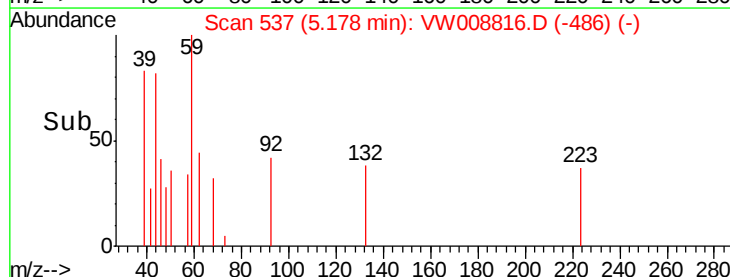
200

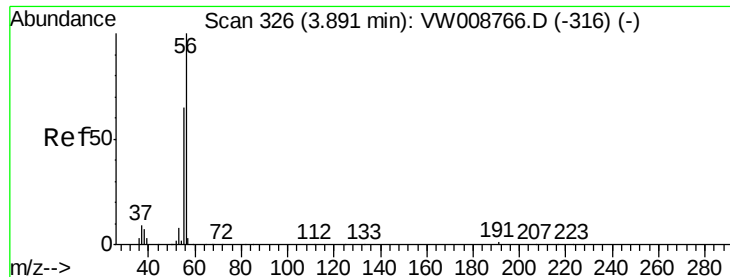
100

0

5.16 5.18 5.20

Time-->





#13

Acrolein

Concen: 21.565 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.02 min

Lab File: VW008816.D

Acq: 25 Feb 2019 19:25

Instrument :

MSVOA_W

ClientSampled :

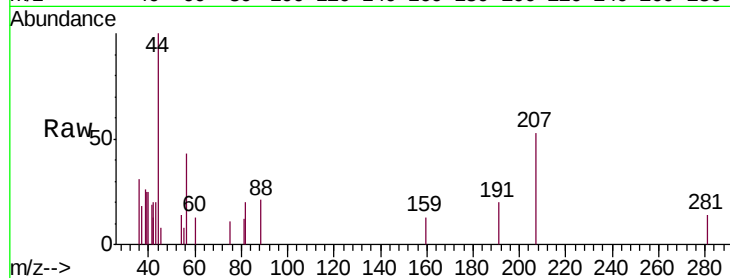
VIBLK

Tgt Ion: 56 Resp: 465

Ion Ratio Lower Upper

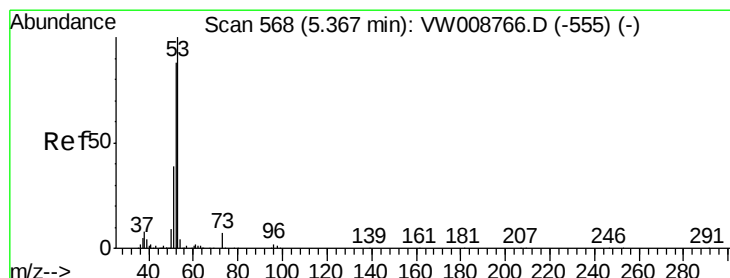
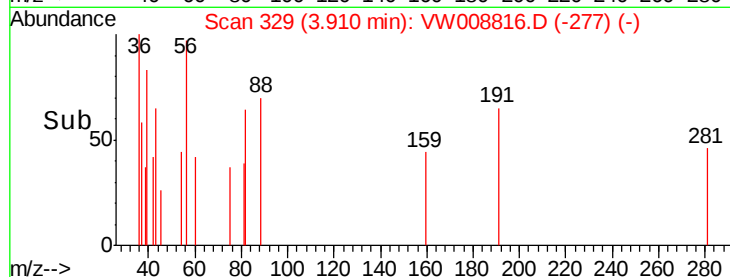
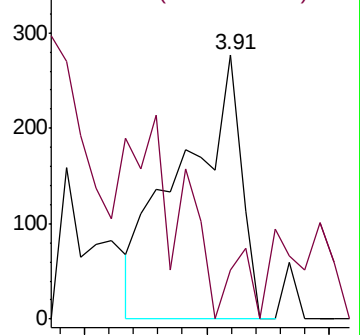
56 100

55 5.8 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#15

Acrylonitrile

Concen: 1.476 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.02 min

Lab File: VW008816.D

Acq: 25 Feb 2019 19:25

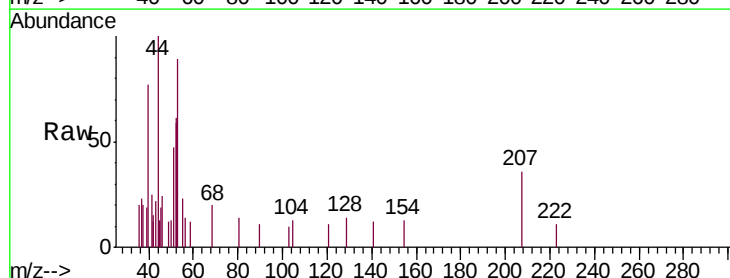
Tgt Ion: 53 Resp: 892

Ion Ratio Lower Upper

53 100

52 138.1 67.2 100.8#

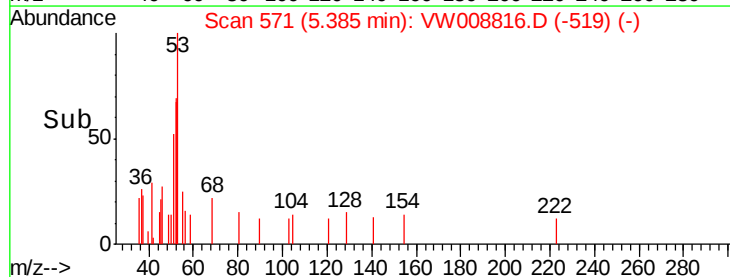
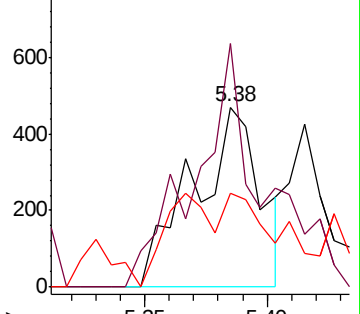
51 44.8 31.1 46.7

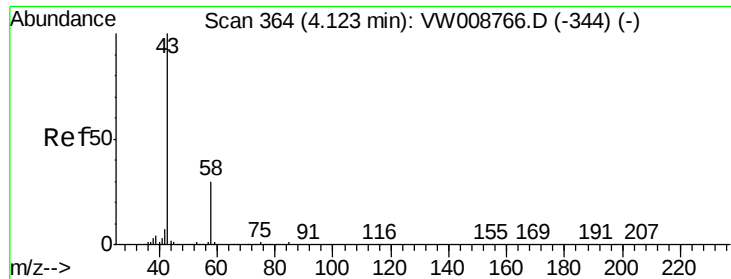


Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW





#16

Acetone

Concen: 4.995 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW008816.D

Acq: 25 Feb 2019 19:25

Instrument :

MSVOA_W

ClientSampleId :

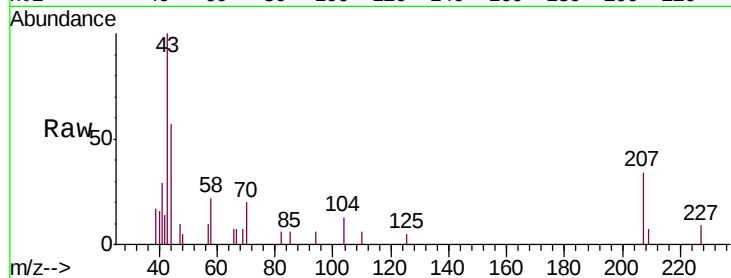
VIBLK

Tgt Ion: 43 Resp: 2958

Ion Ratio Lower Upper

43 100

58 21.9 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

1200

1000

800

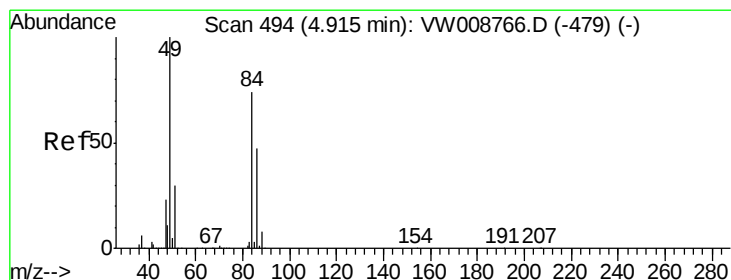
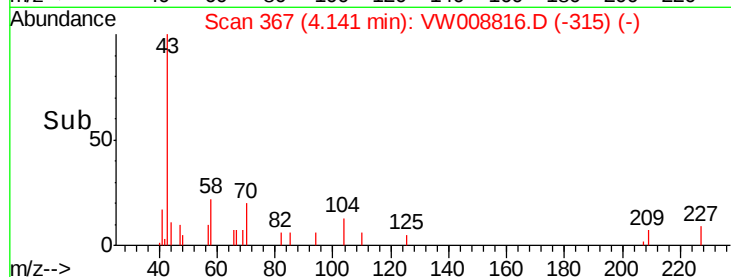
600

400

200

0

Time--> 4.05 4.10 4.15 4.20 4.25



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008816.D

Acq: 25 Feb 2019 19:25

Tgt Ion: 84 Resp: 6888

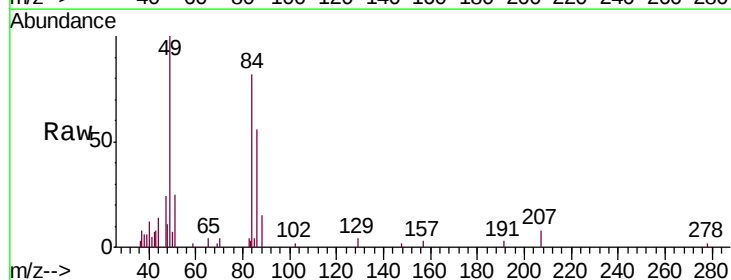
Ion Ratio Lower Upper

84 100

49 118.2 108.2 162.2

51 30.3 32.7 49.1#

86 68.5 50.3 75.5



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

4000

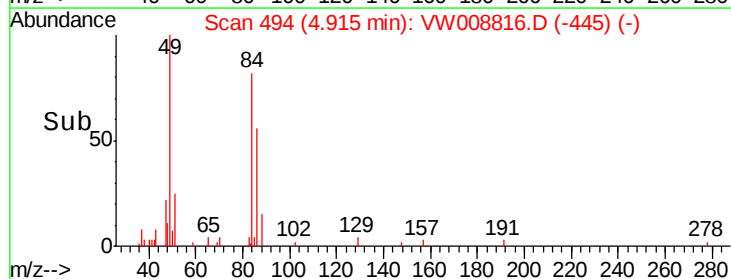
3000

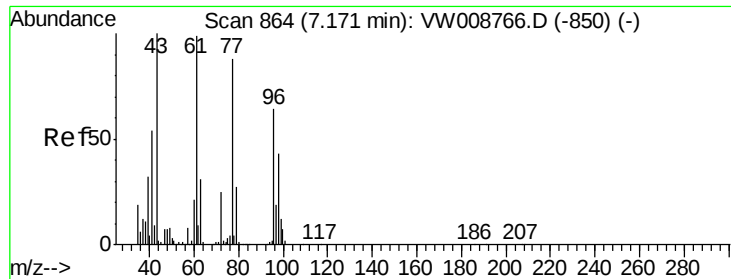
2000

1000

0

Time--> 4.80 4.85 4.90 4.95 5.00





#25

2-Butanone

Concen: 2.006 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW008816.D

Acq: 25 Feb 2019 19:25

Instrument :

MSVOA_W

ClientSampleId :

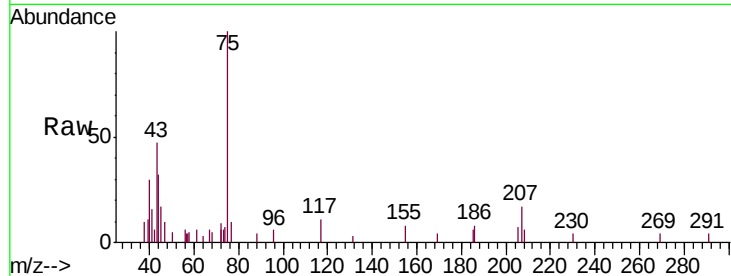
VIBLK

Tgt Ion: 43 Resp: 1661

Ion Ratio Lower Upper

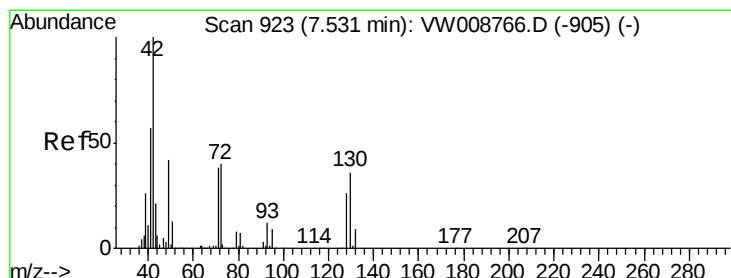
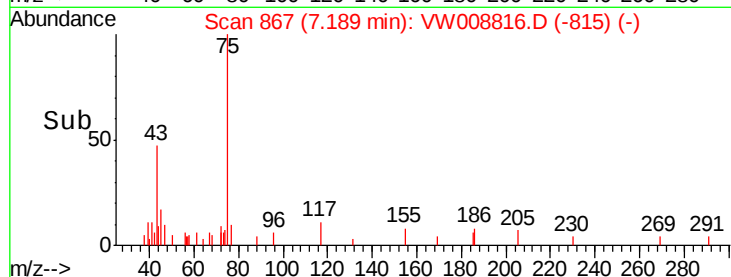
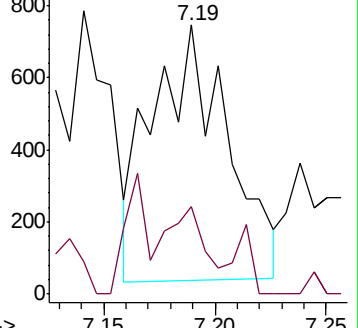
43 100

72 42.9 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 2.471 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW008816.D

Acq: 25 Feb 2019 19:25

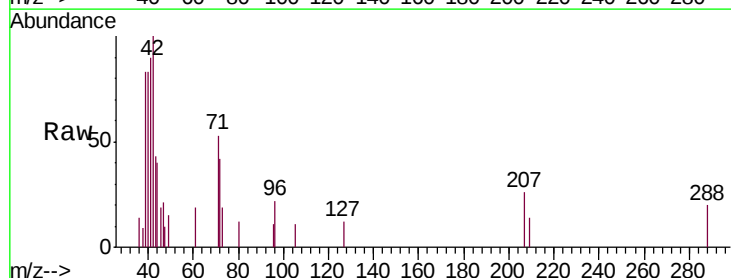
Tgt Ion: 42 Resp: 1304

Ion Ratio Lower Upper

42 100

72 50.7 32.7 49.1#

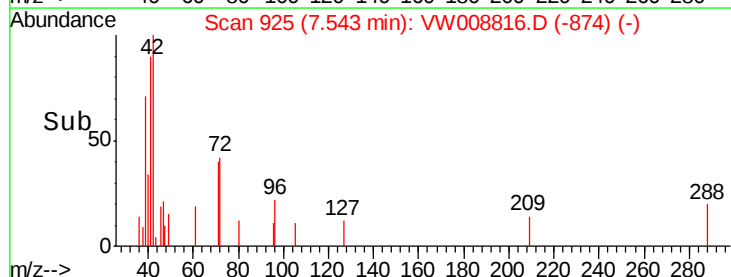
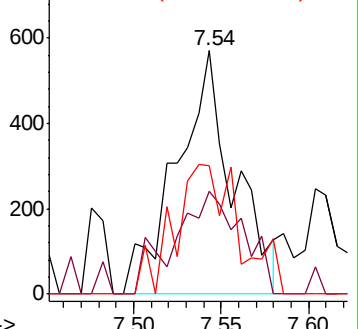
71 56.1 31.3 46.9#

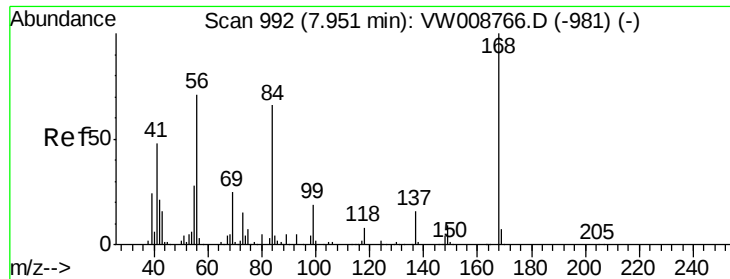


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

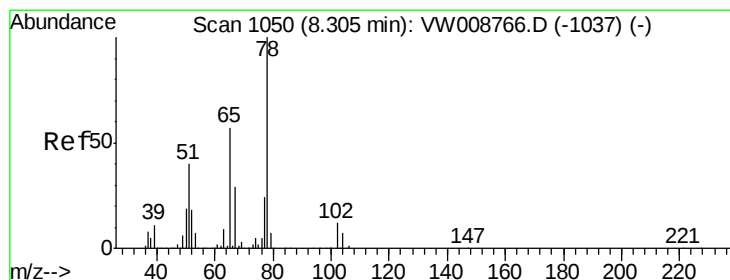
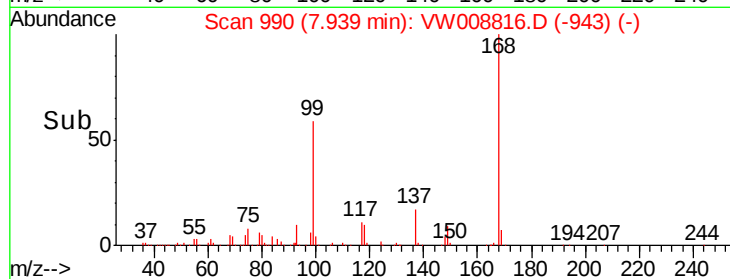
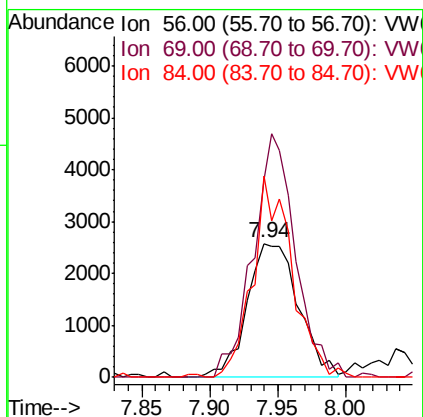
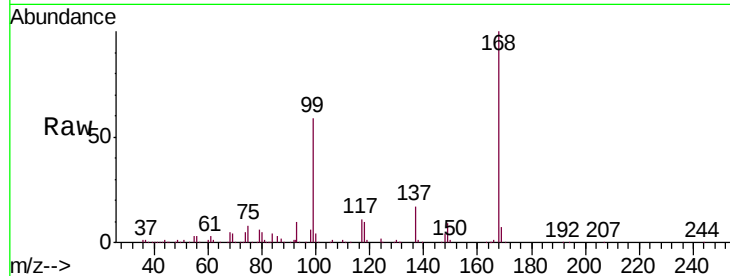




#31
Cyclohexane
Concen: 1.418 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008816.D
Acq: 25 Feb 2019 19:25

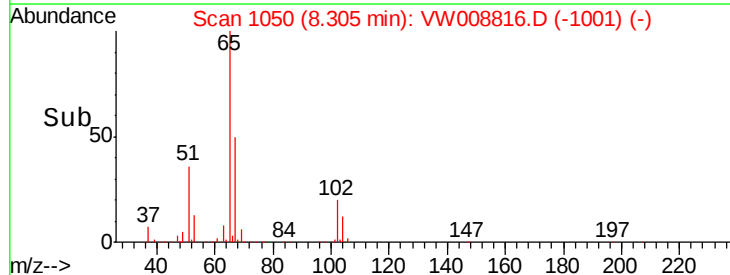
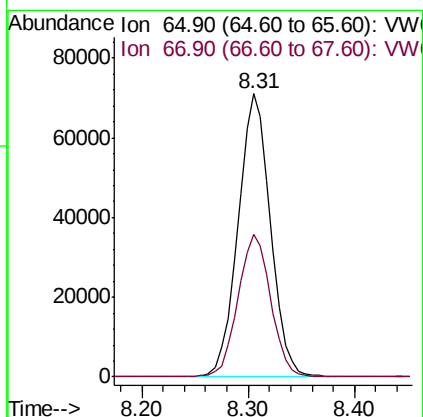
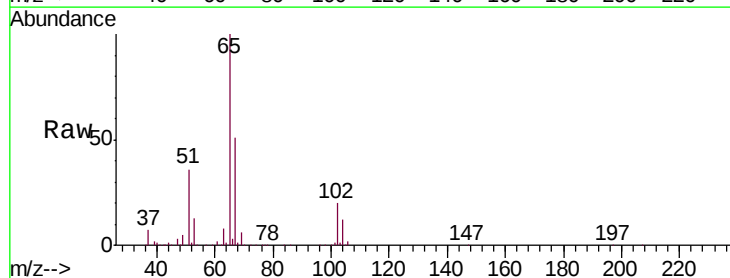
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

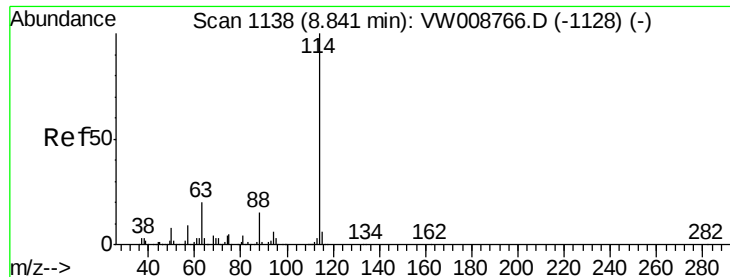
Tgt Ion: 56 Resp: 6828
Ion Ratio Lower Upper
56 100
69 147.7 28.2 42.4#
84 148.1 74.1 111.1#



#33
1,2-Dichloroethane-d4
Concen: 59.216 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008816.D
Acq: 25 Feb 2019 19:25

Tgt Ion: 65 Resp: 151294
Ion Ratio Lower Upper
65 100
67 51.1 0.0 101.4

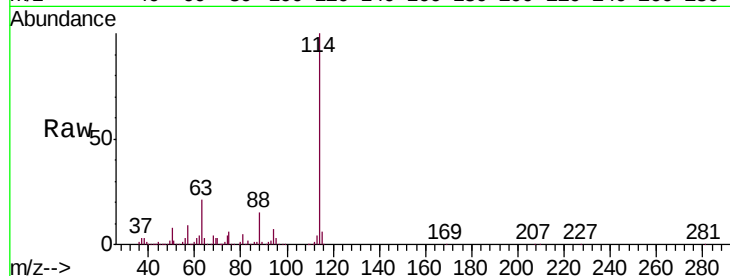




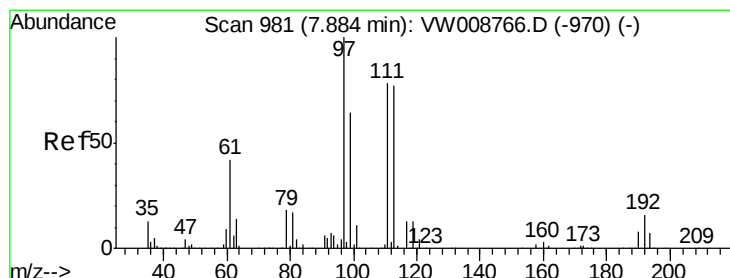
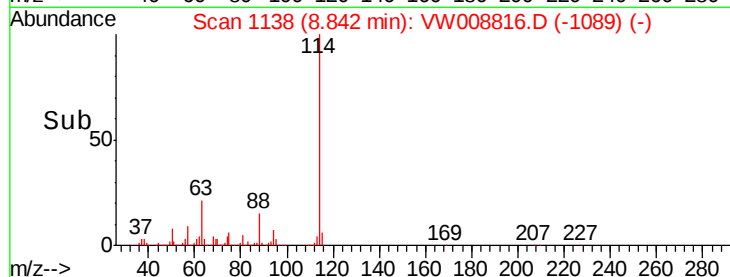
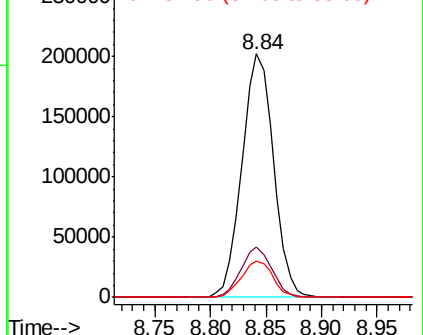
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008816.D
 Acq: 25 Feb 2019 19:25

Instrument :
 MSVOA_W
 ClientSampled :
 VIBLK

Tgt Ion:114 Resp: 399077
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.8
 88 14.8 0.0 30.4

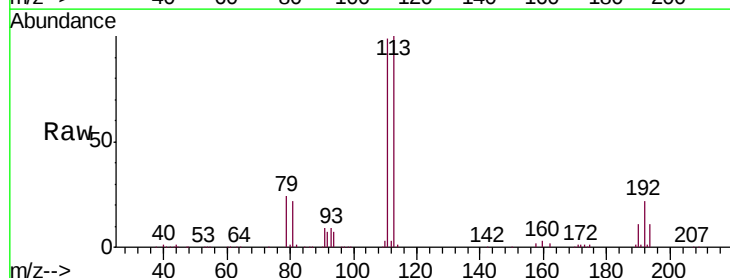


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

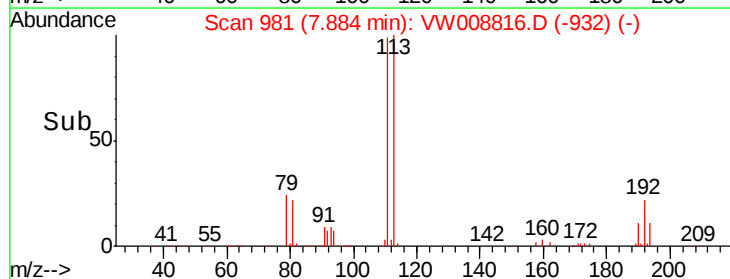
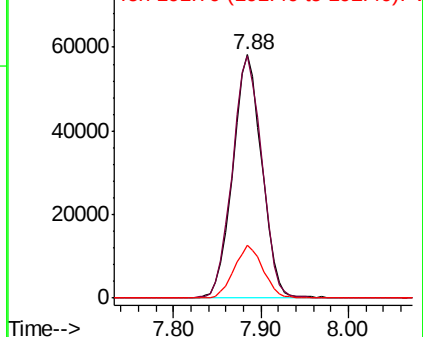


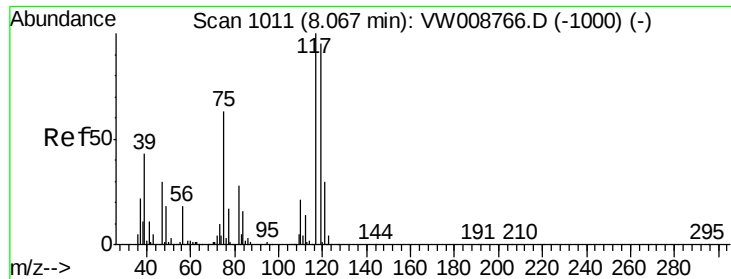
#35
 Dibromofluoromethane
 Concen: 56.180 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008816.D
 Acq: 25 Feb 2019 19:25

Tgt Ion:113 Resp: 134614
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.9 122.9
 192 21.5 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





#38

Carbon Tetrachloride

Concen: 6.505 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008816.D

Acq: 25 Feb 2019 19:25

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

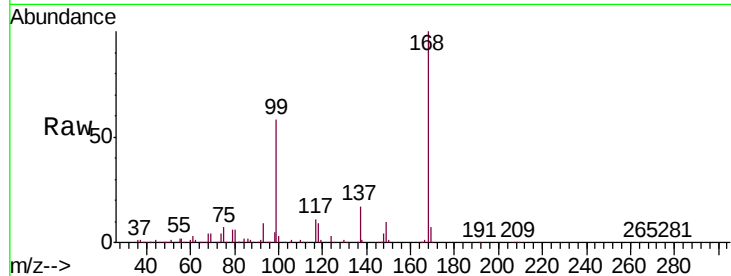
Tgt Ion:117 Resp: 26650

Ion Ratio Lower Upper

117 100

119 6.5 76.1 114.1#

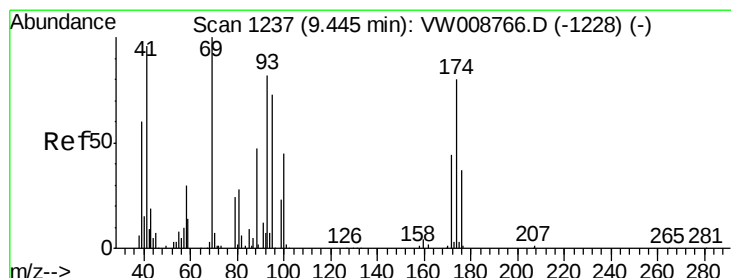
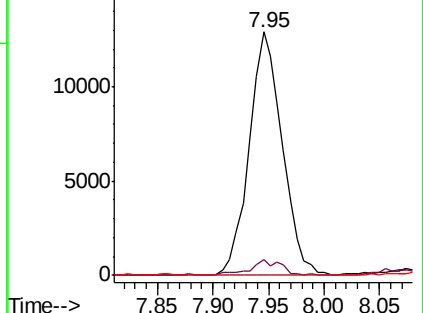
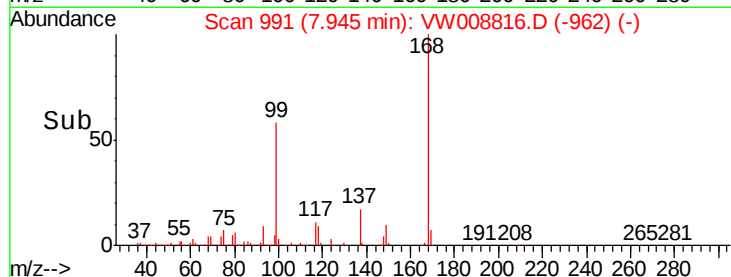
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 4.283 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW008816.D

Acq: 25 Feb 2019 19:25

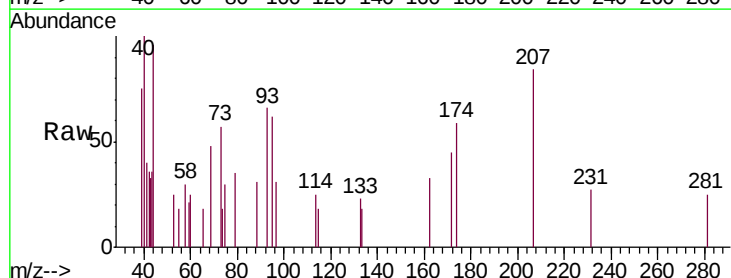
Tgt Ion: 88 Resp: 100

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

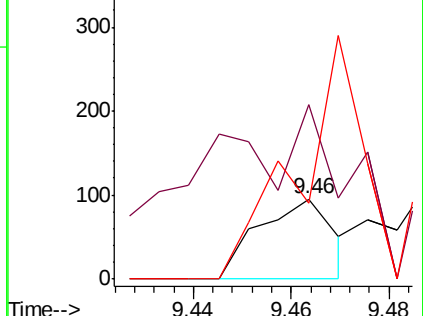
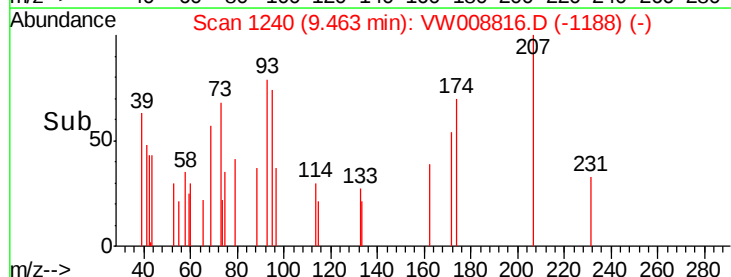
58 265.0 52.0 78.0#

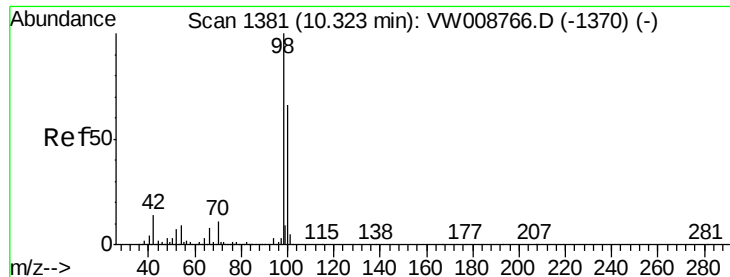


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 57.916 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008816.D

Acq: 25 Feb 2019 19:25

Instrument :

MSVOA_W

ClientSampleId :

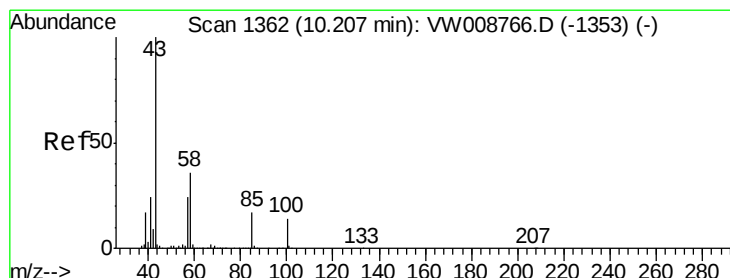
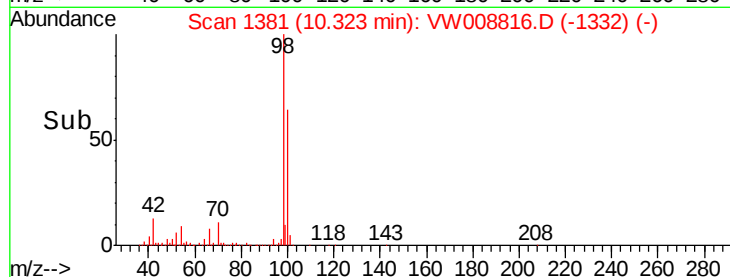
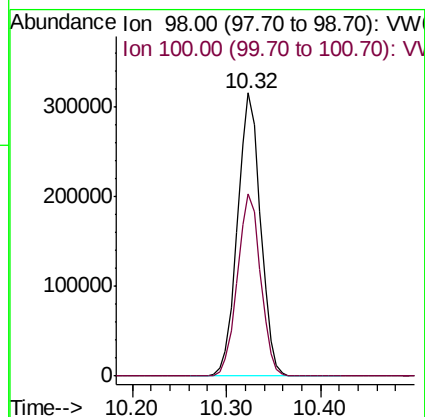
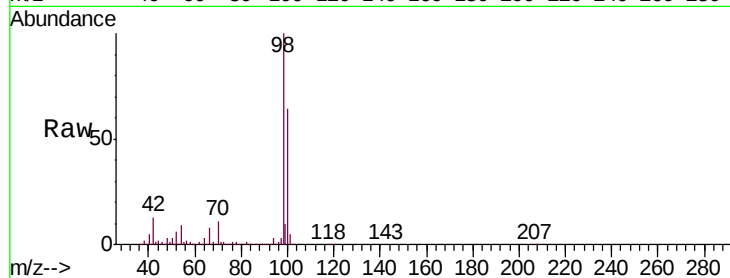
VIBLK

Tgt Ion: 98 Resp: 535700

Ion Ratio Lower Upper

98 100

100 64.9 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 2.209 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008816.D

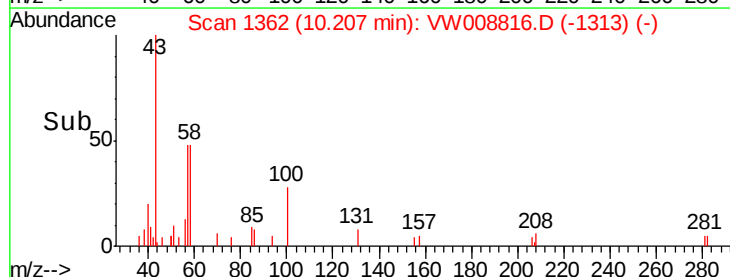
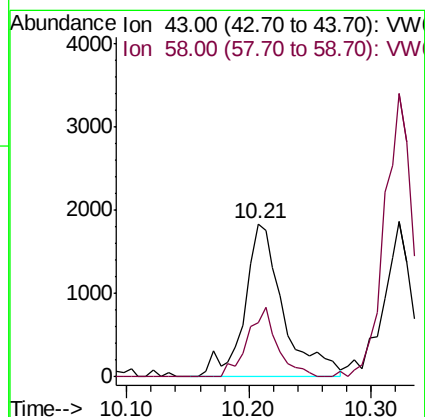
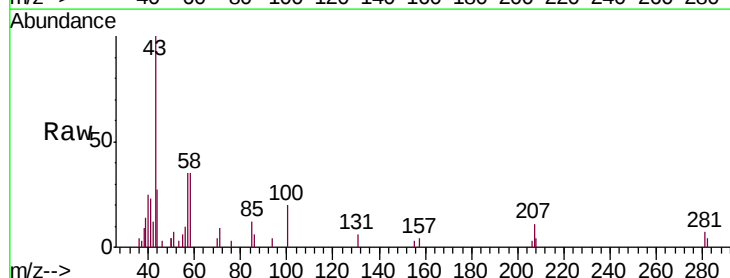
Acq: 25 Feb 2019 19:25

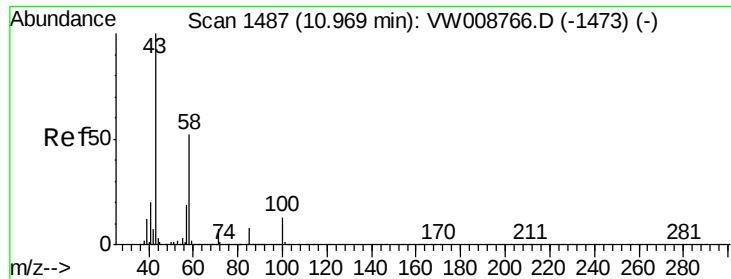
Tgt Ion: 43 Resp: 4044

Ion Ratio Lower Upper

43 100

58 35.2 29.1 43.7

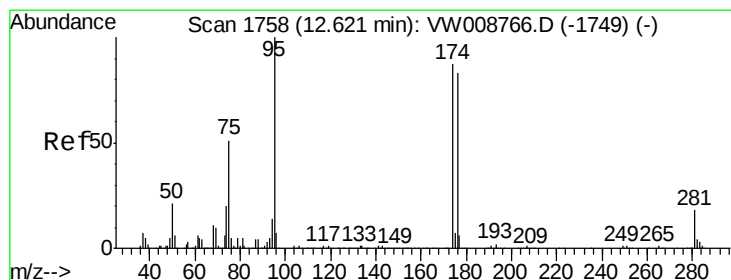
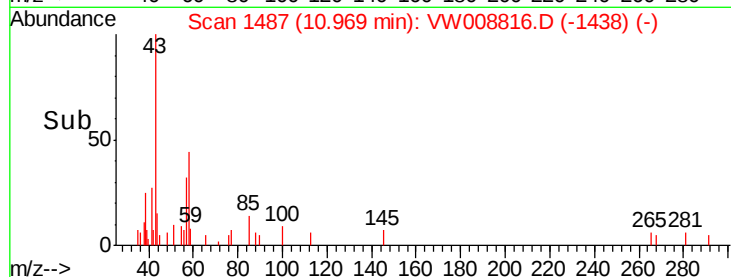
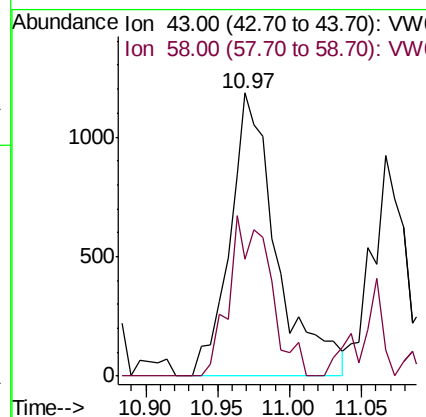
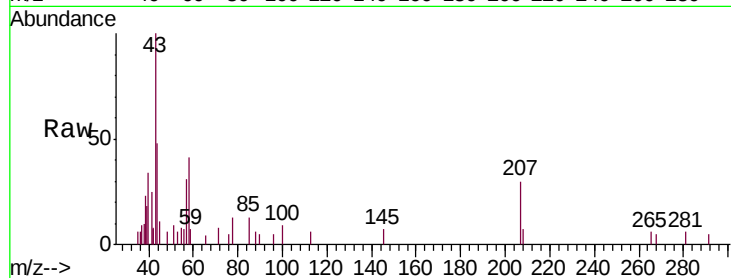




#59
2-Hexanone
Concen: 2.059 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008816.D
Acq: 25 Feb 2019 19:25

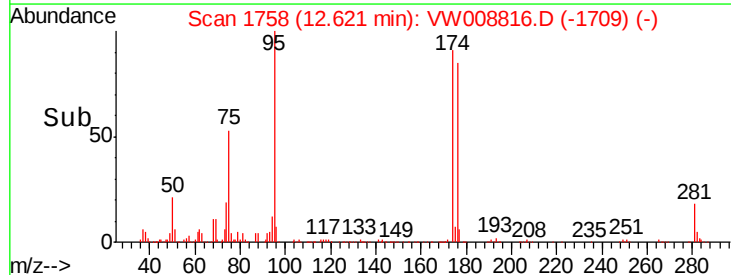
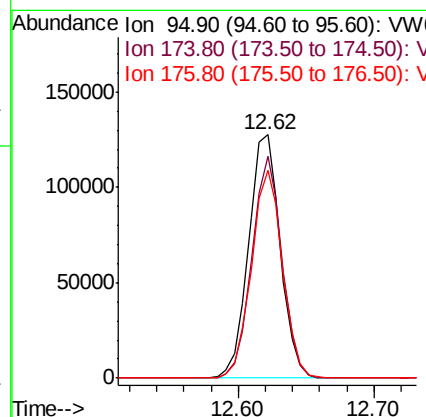
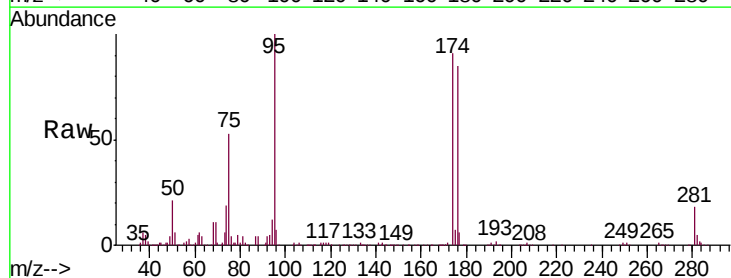
Instrument :
MSVOA_W
ClientSampled :
VIBLK

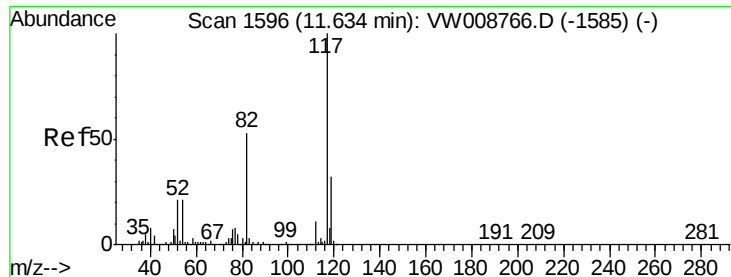
Tgt Ion: 43 Resp: 2683
Ion Ratio Lower Upper
43 100
58 49.8 25.3 75.8



#62
4-Bromofluorobenzene
Concen: 57.298 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008816.D
Acq: 25 Feb 2019 19:25

Tgt Ion: 95 Resp: 207514
Ion Ratio Lower Upper
95 100
174 86.9 0.0 169.2
176 83.7 0.0 163.6

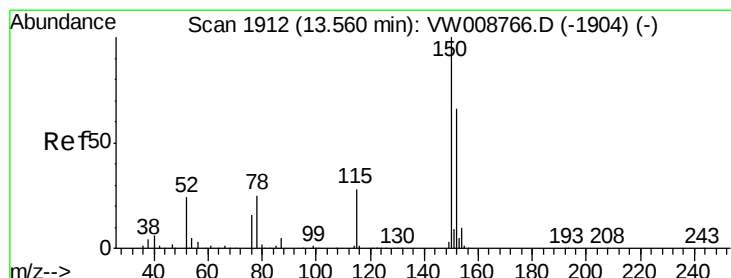
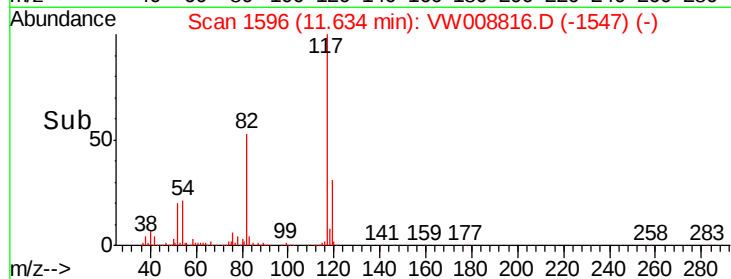
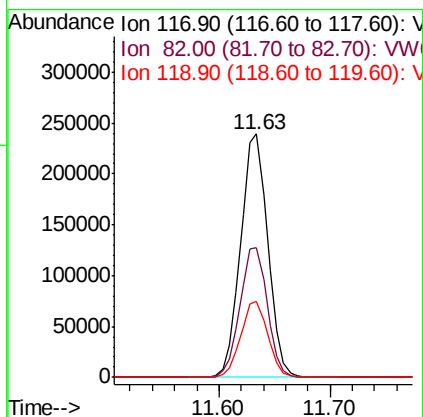
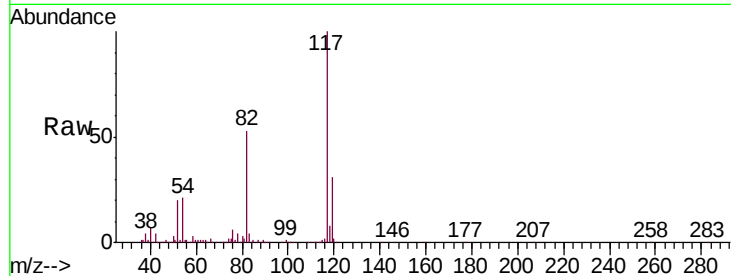




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008816.D
Acq: 25 Feb 2019 19:25

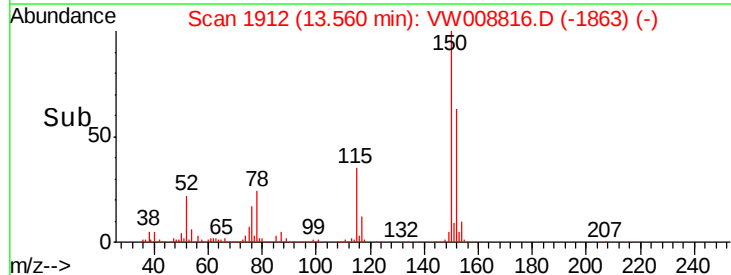
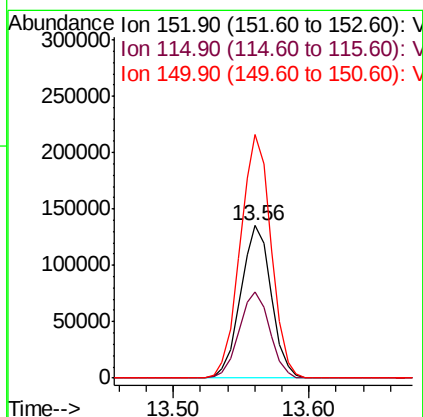
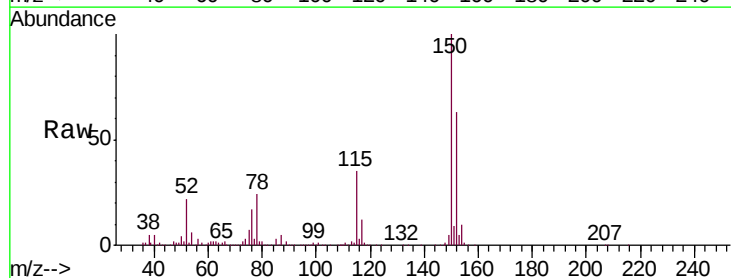
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

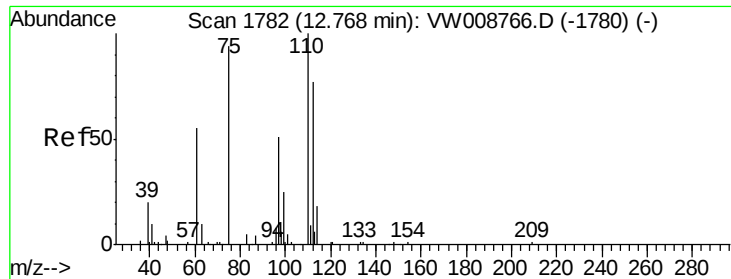
Tgt Ion:117 Resp: 405362
Ion Ratio Lower Upper
117 100
82 53.1 42.2 63.4
119 31.4 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008816.D
Acq: 25 Feb 2019 19:25

Tgt Ion:152 Resp: 212243
Ion Ratio Lower Upper
152 100
115 56.5 28.6 85.8
150 161.1 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 61.493 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008816.D

Acq: 25 Feb 2019 19:25

Instrument :

MSVOA_W

ClientSampleId :

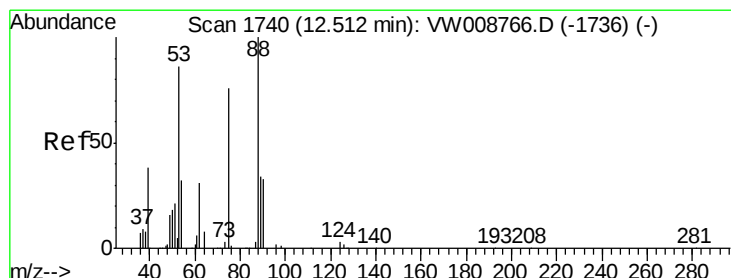
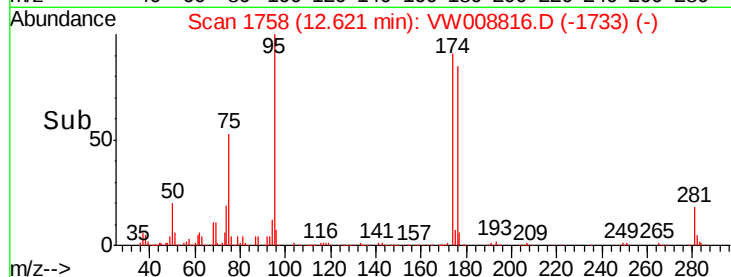
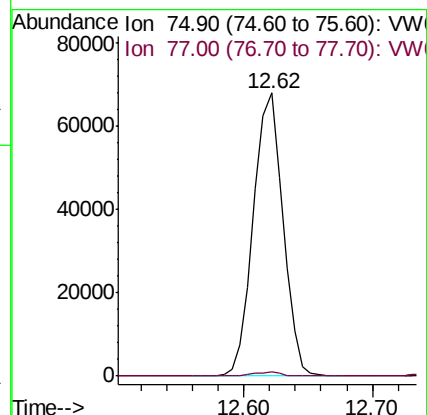
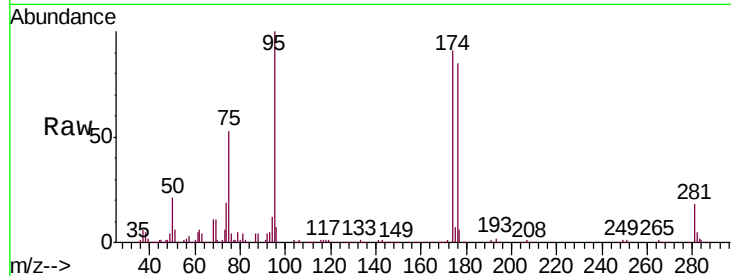
VIBLK

Tgt Ion: 75 Resp: 107757

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 149.494 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008816.D

Acq: 25 Feb 2019 19:25

Tgt Ion: 75 Resp: 107757

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

89 0.0 39.5 59.3#

