

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
 Data File : VW008828.D
 Acq On : 26 Feb 2019 14:10
 Operator : SY/VA
 Sample : K1620-01
 Misc : 5.59G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-01

Quant Time: Feb 27 05:57:52 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	346409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	541865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	470547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	189519	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	189324	58.27	ug/l	0.00
Spiked Amount			Recovery	=	116.54%	
35) Dibromofluoromethane	7.88	113	171480	52.71	ug/l	0.00
Spiked Amount			Recovery	=	105.42%	
50) Toluene-d8	10.32	98	635747	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.62	95	207179	42.13	ug/l	0.00
Spiked Amount			Recovery	=	84.26%	

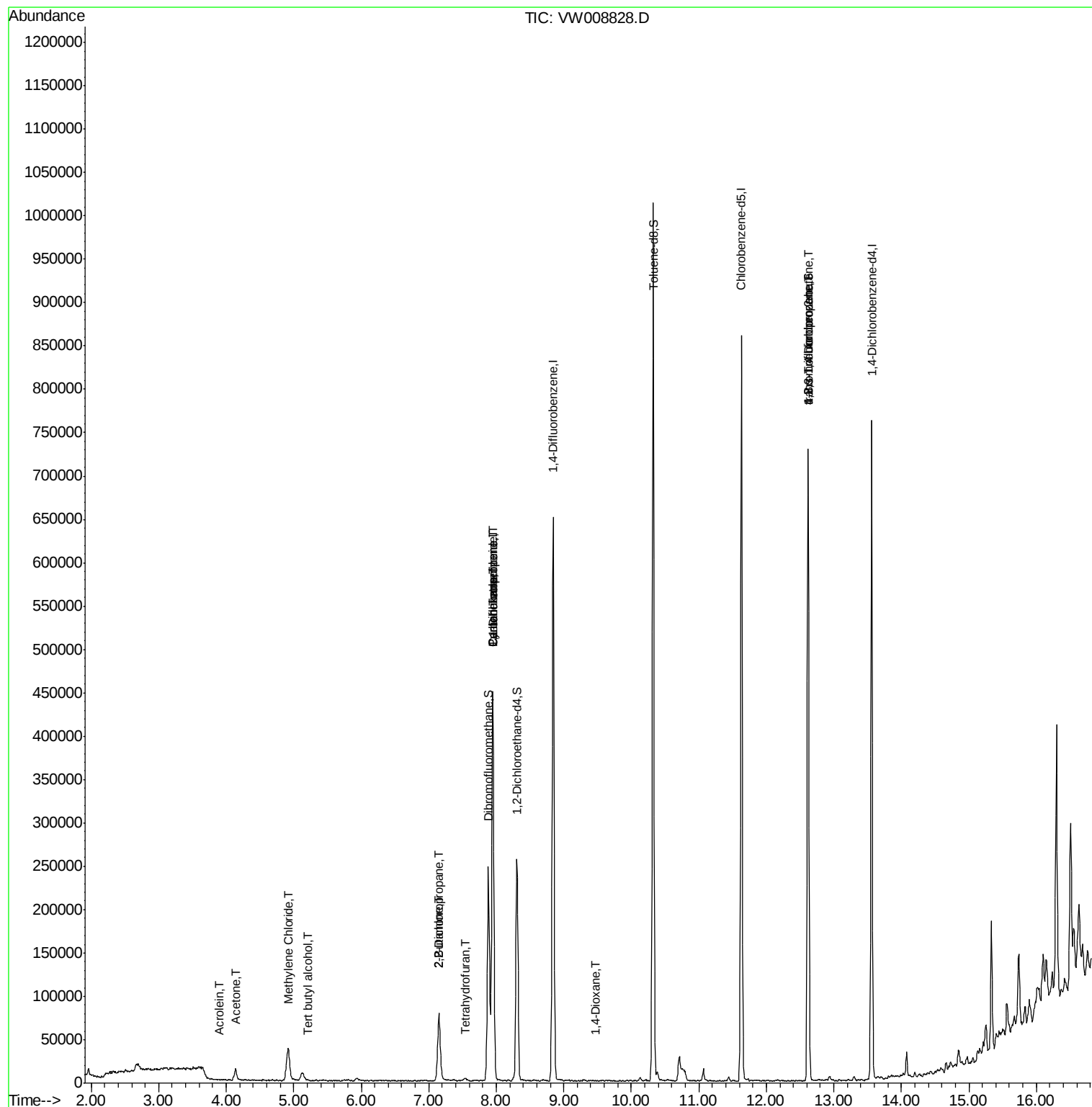
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	702	2.427	ug/l #	70
13) Acrolein	3.90	56	278	20.619	ug/l #	78
16) Acetone	4.14	43	22850	30.342	ug/l	94
20) Methylene Chloride	4.92	84	29094	3.044	ug/l	89
25) 2-Butanone	7.15	43	6052	5.748	ug/l #	87
26) 2,2-Dichloropropane	7.15	77	5631	1.025	ug/l #	55
29) Tetrahydrofuran	7.53	42	1575	2.347	ug/l	94
31) Cyclohexane	7.95	56	7711	1.259	ug/l #	44
36) 1,1-Dichloropropene	7.95	75	25918	4.914	ug/l #	52
38) Carbon Tetrachloride	7.95	117	33789	6.074	ug/l #	17
49) 1,4-Dioxane	9.47	88	101	3.186	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	108072	69.067	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	108072	167.908	ug/l #	6

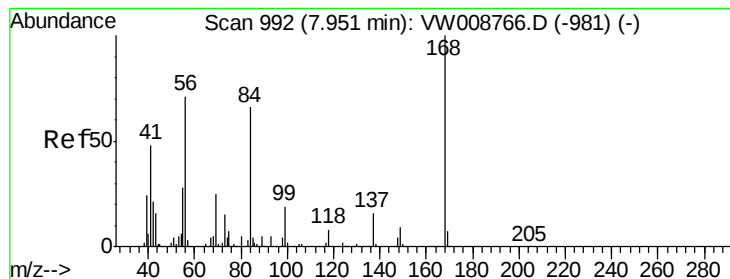
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022619\
Data File : VW008828.D
Acq On : 26 Feb 2019 14:10
Operator : SY/VA
Sample : K1620-01
Misc : 5.59G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-01

Quant Time: Feb 27 05:57:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 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: VW008828.D

Acq: 26 Feb 2019 14:10

Instrument :

MSVOA_W

ClientSampled :

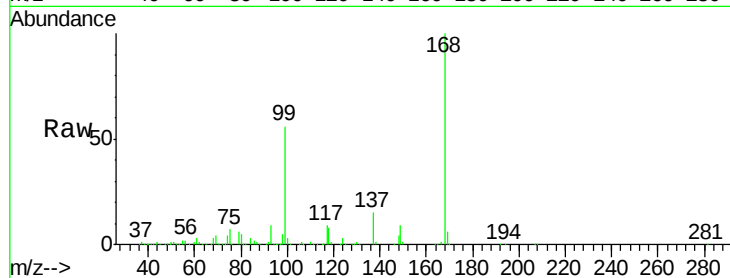
SB-01

Tot Ion:168 Resp: 346409

Ion Ratio Lower Upper

168 100

99 56.2 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

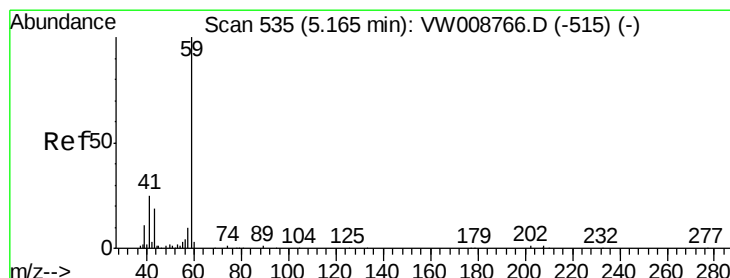
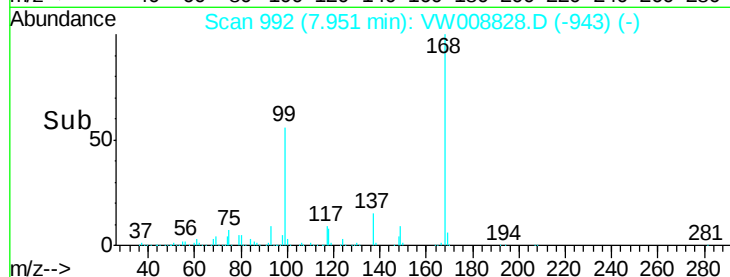
100000

50000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 2.427 ug/l

RT: 5.21 min Scan# 542

Delta R.T. 0.04 min

Lab File: VW008828.D

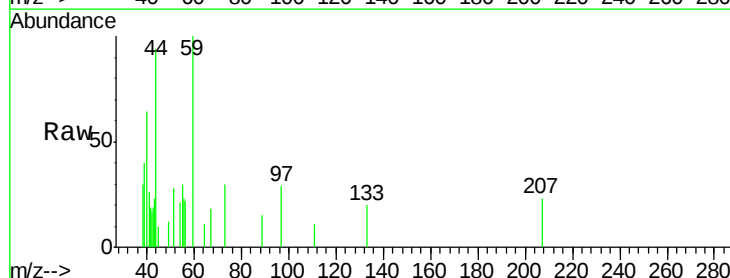
Acq: 26 Feb 2019 14:10

Tgt Ion: 59 Resp: 702

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

800

600

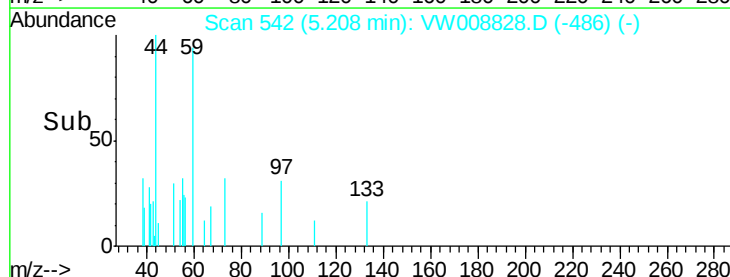
400

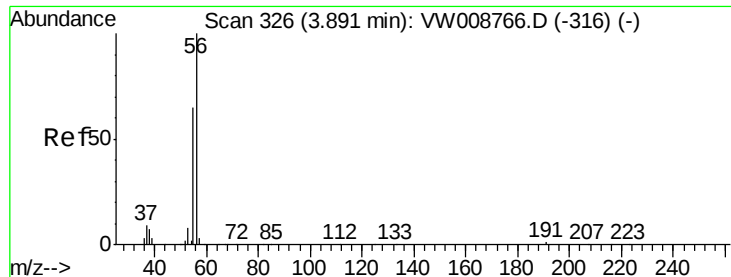
200

0

5.20 5.25

Time-->





#13

Acrolein

Concen: 20.619 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008828.D

Acq: 26 Feb 2019 14:10

Instrument :

MSVOA_W

ClientSampled :

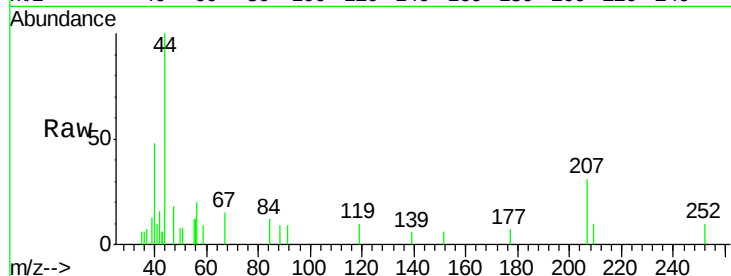
SB-01

Tot Ion: 56 Resp: 278

Ion Ratio Lower Upper

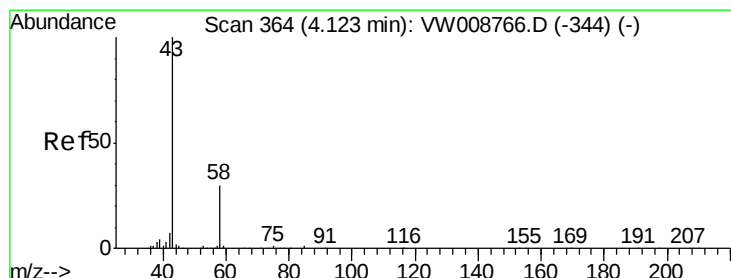
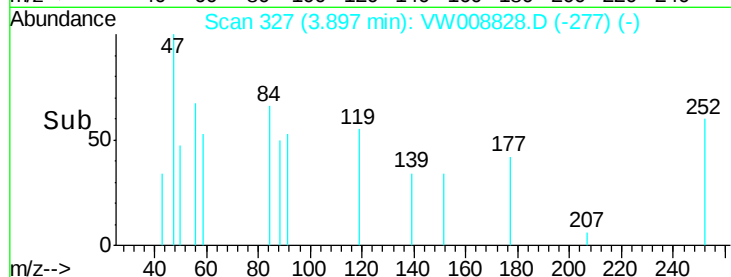
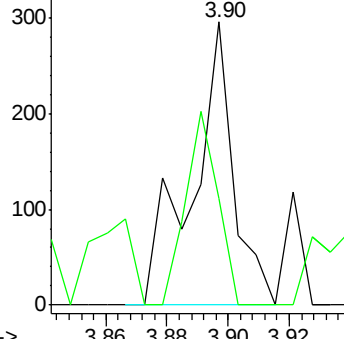
56 100

55 52.9 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 30.342 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW008828.D

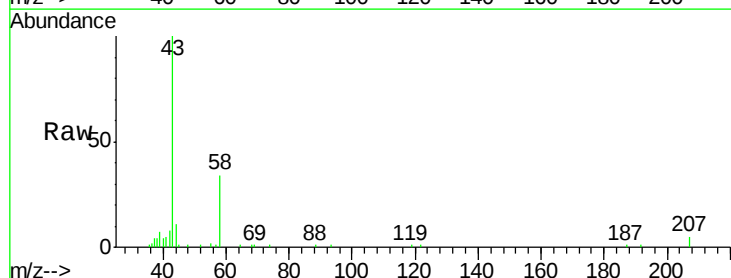
Acq: 26 Feb 2019 14:10

Tgt Ion: 43 Resp: 22850

Ion Ratio Lower Upper

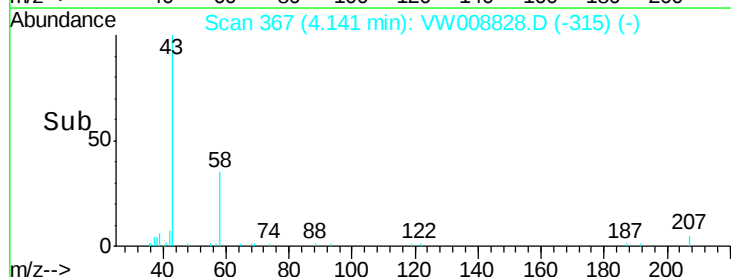
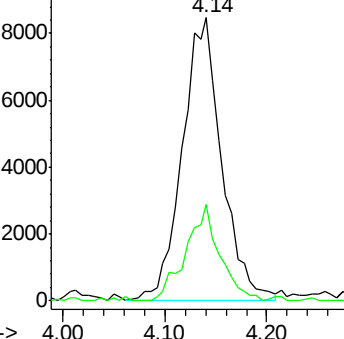
43 100

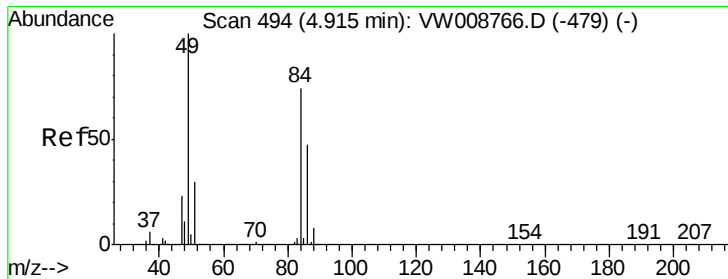
58 32.9 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 3.044 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW008828.D

Acq: 26 Feb 2019 14:10

Instrument :

MSVOA_W

ClientSampled :

SB-01

Tot Ion: 84 Resp: 29094

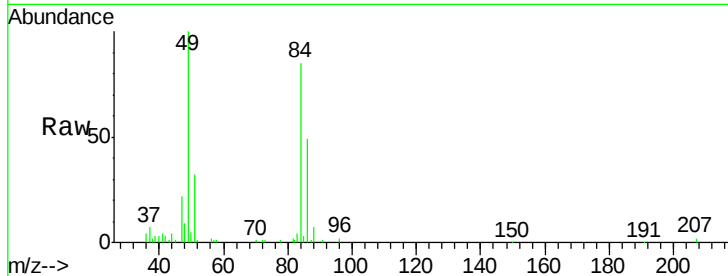
Ion Ratio Lower Upper

84 100

49 118.3 108.2 162.2

51 37.0 32.7 49.1

86 57.7 50.3 75.5

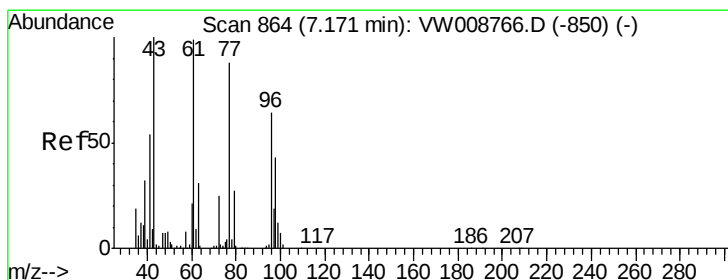
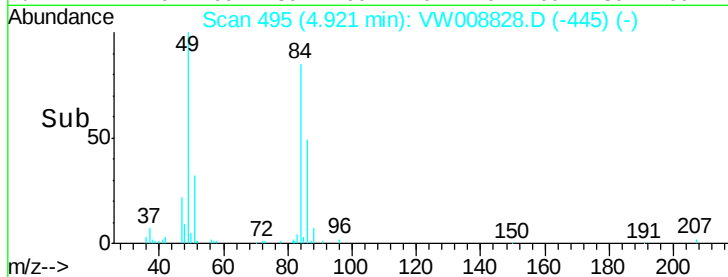
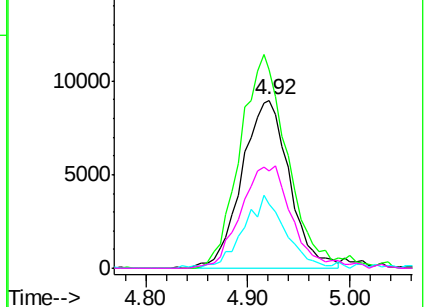


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 5.748 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008828.D

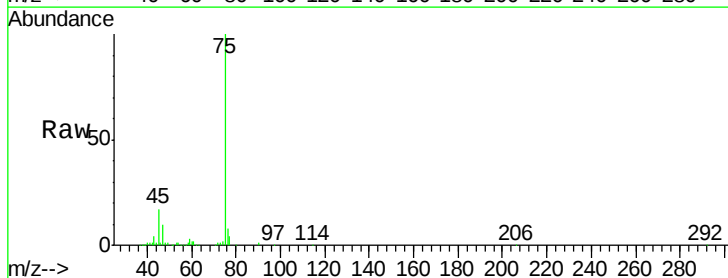
Acq: 26 Feb 2019 14:10

Tgt Ion: 43 Resp: 6052

Ion Ratio Lower Upper

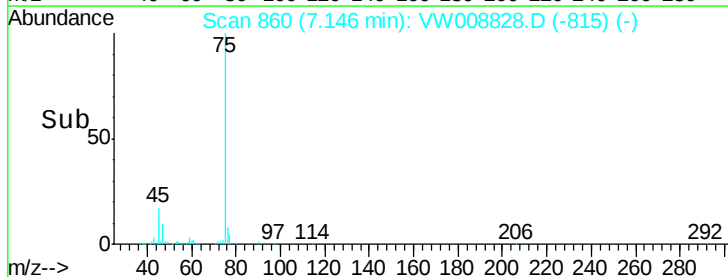
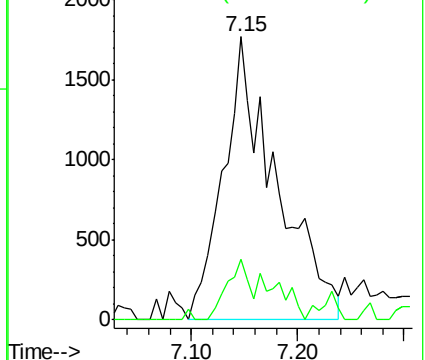
43 100

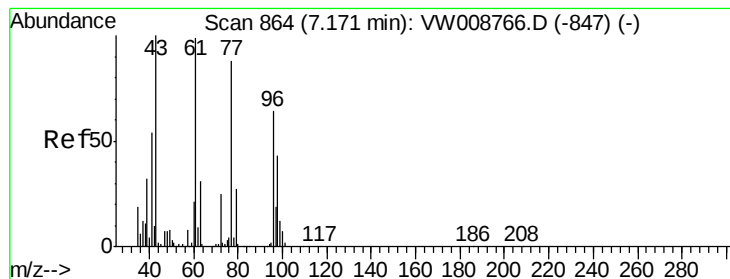
72 17.9 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 1.025 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008828.D

Acq: 26 Feb 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

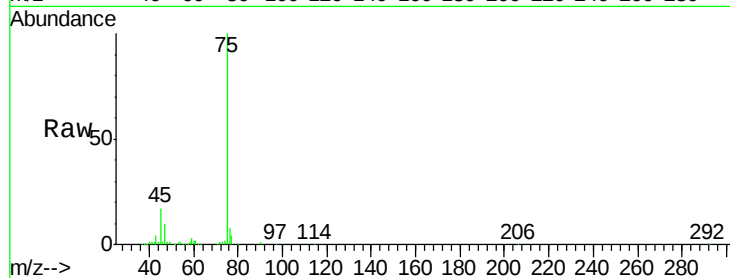
SB-01

Tot Ion: 77 Resp: 5631

Ion Ratio Lower Upper

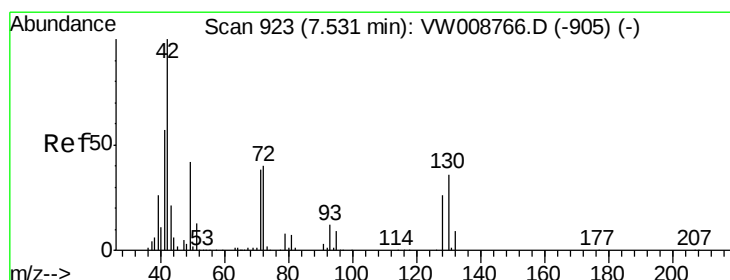
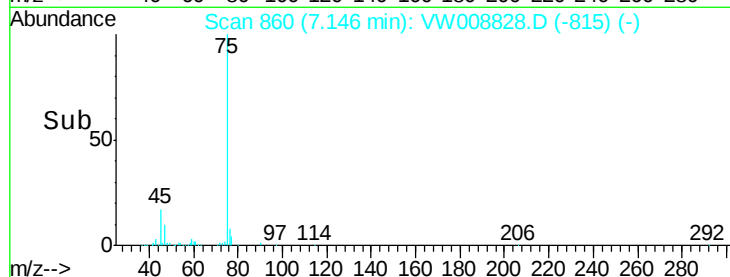
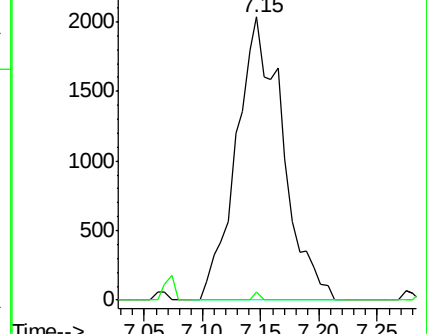
77 100

97 0.4 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#29

Tetrahydrofuran

Concen: 2.347 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW008828.D

Acq: 26 Feb 2019 14:10

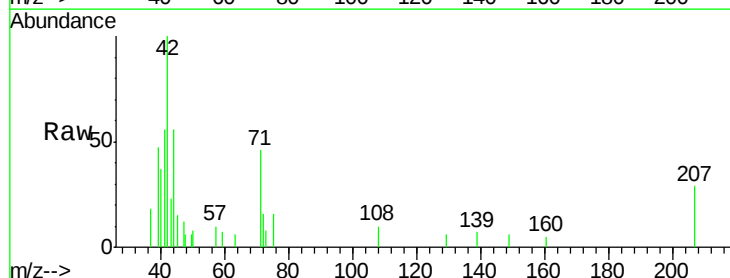
Tgt Ion: 42 Resp: 1575

Ion Ratio Lower Upper

42 100

72 47.7 32.7 49.1

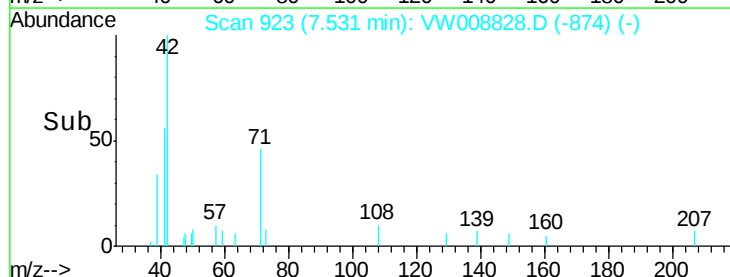
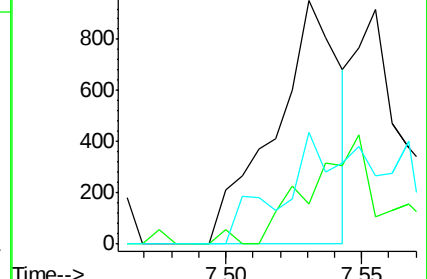
71 39.7 31.3 46.9

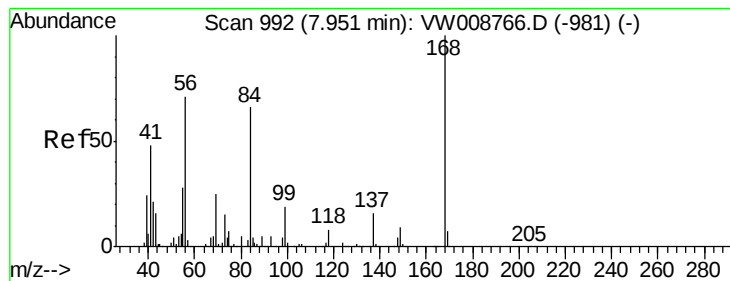


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.259 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008828.D

Acq: 26 Feb 2019 14:10

Instrument :

MSVOA_W

ClientSampled :

SB-01

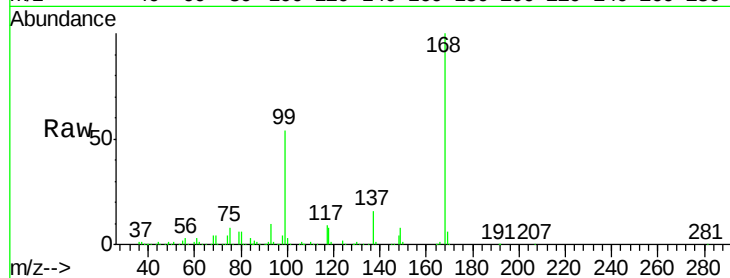
Tot Ion: 56 Resp: 7711

Ion Ratio Lower Upper

56 100

69 144.3 28.2 42.4#

84 98.8 74.1 111.1

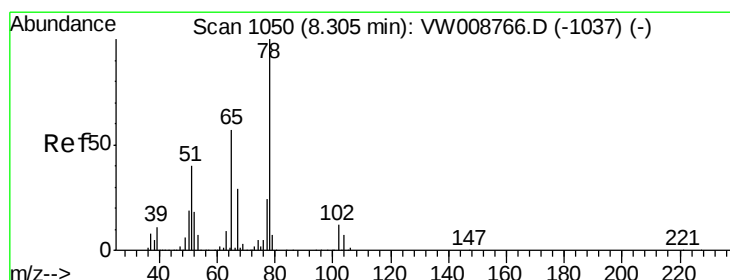
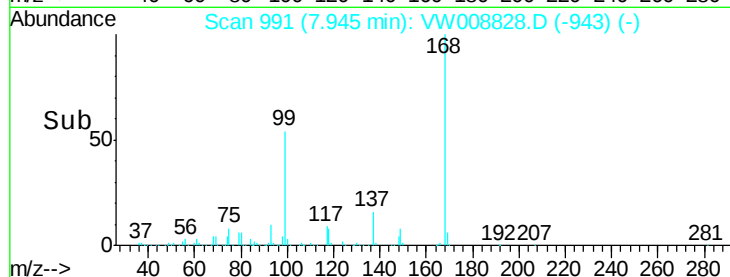
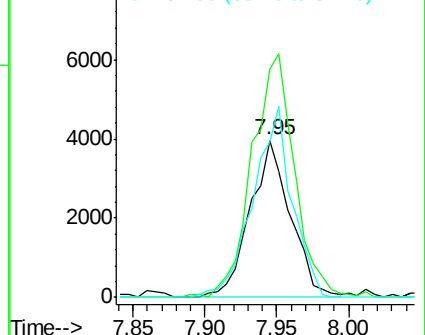


Abundance

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: 58.271 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008828.D

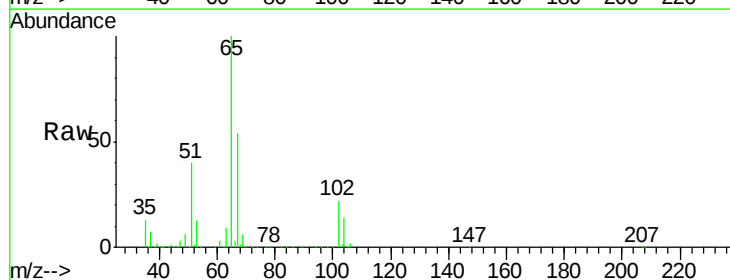
Acq: 26 Feb 2019 14:10

Tgt Ion: 65 Resp: 189324

Ion Ratio Lower Upper

65 100

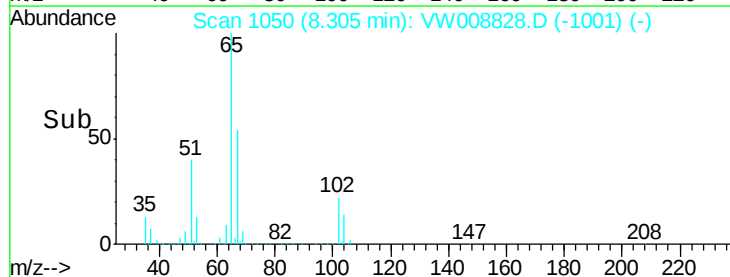
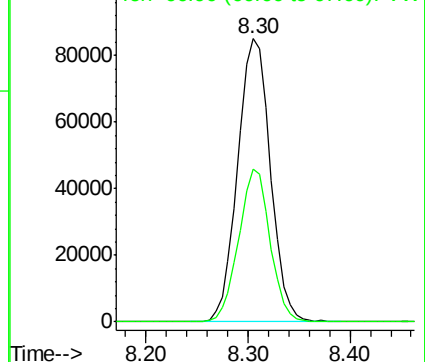
67 51.6 0.0 101.4

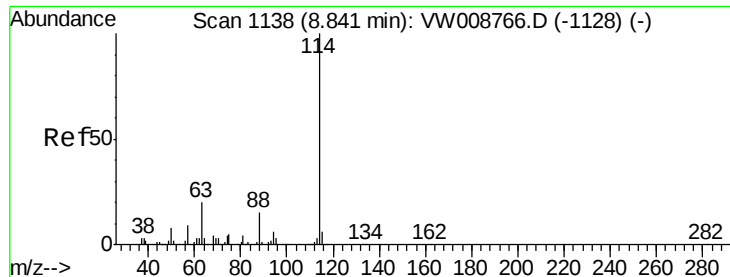


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

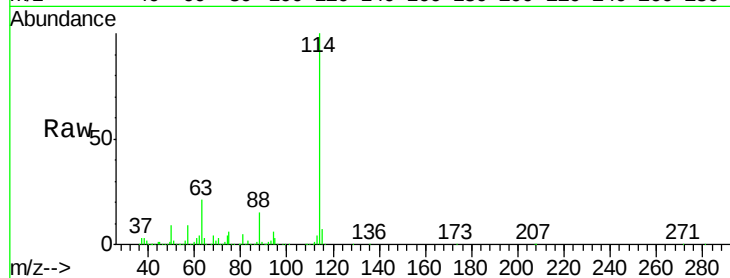




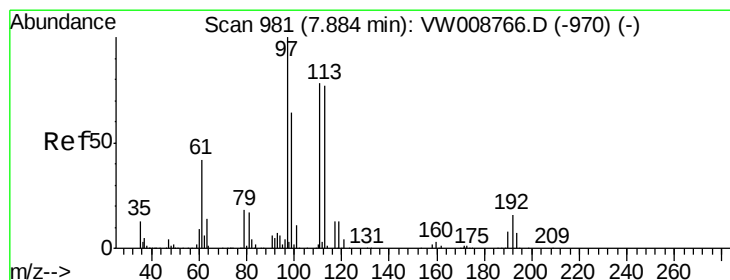
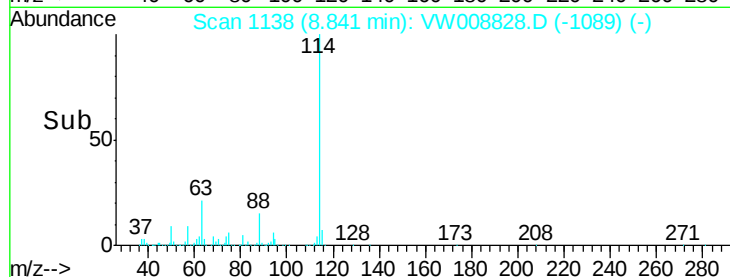
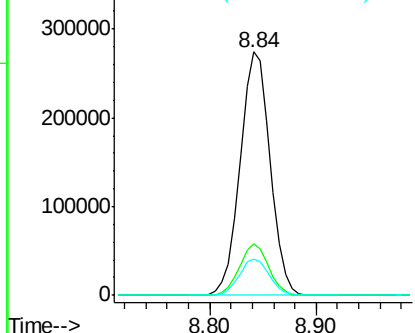
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008828.D
 Acq: 26 Feb 2019 14:10

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-01

Tot Ion:114 Resp: 541865
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.8
 88 14.9 0.0 30.4

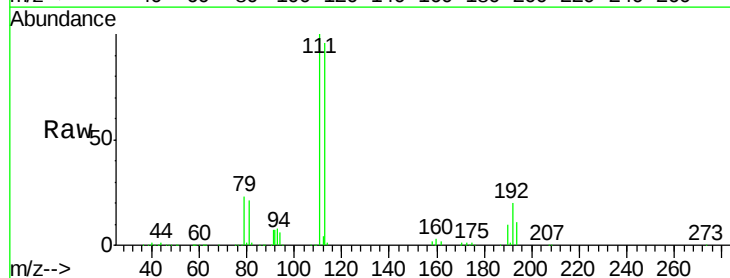


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

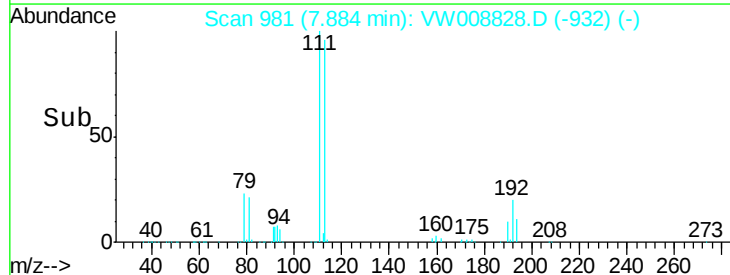
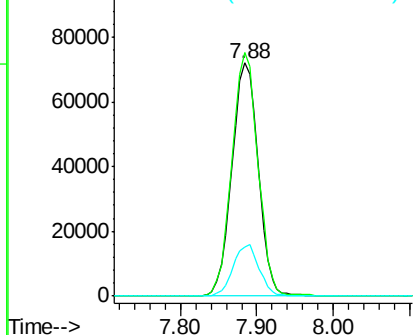


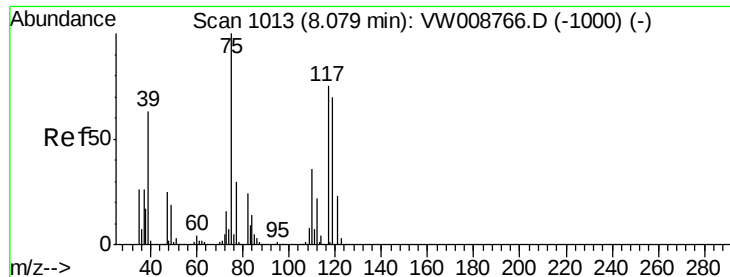
#35
 Dibromofluoromethane
 Concen: 52.708 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008828.D
 Acq: 26 Feb 2019 14:10

Tgt Ion:113 Resp: 171480
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.9 122.9
 192 21.8 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

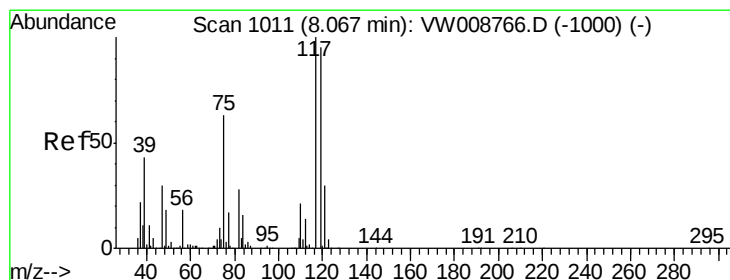
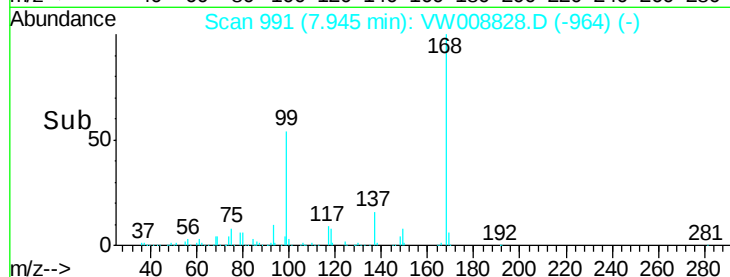
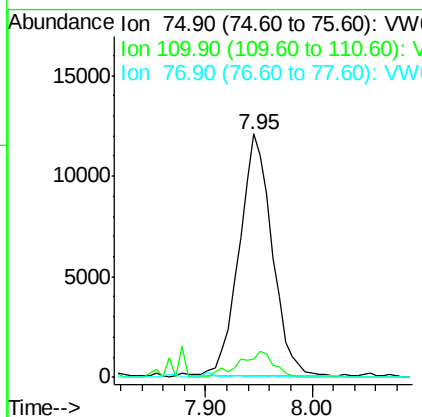
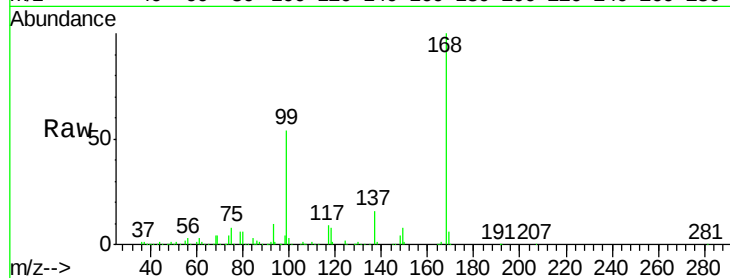




#36
 1,1-Dichloropropene
 Concen: 4.914 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008828.D
 Acq: 26 Feb 2019 14:10

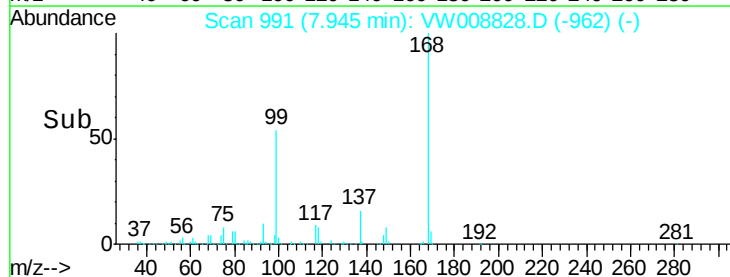
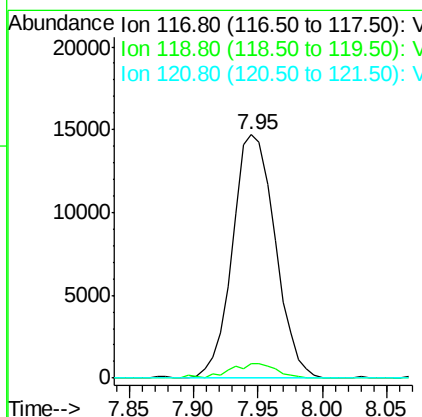
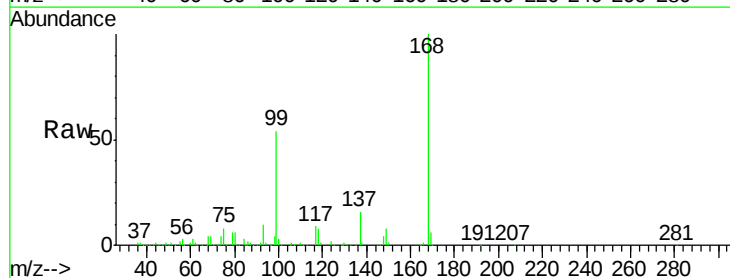
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-01

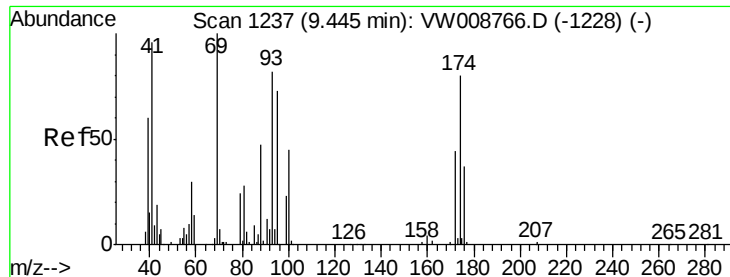
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.4	17.5	52.6#
77	0.1	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.074 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008828.D
 Acq: 26 Feb 2019 14:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.1	114.1#
121	0.0	24.0	36.0#





#49

1,4-Dioxane

Concen: 3.186 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VW008828.D

Acq: 26 Feb 2019 14:10

Instrument :

MSVOA_W

ClientSampled :

SB-01

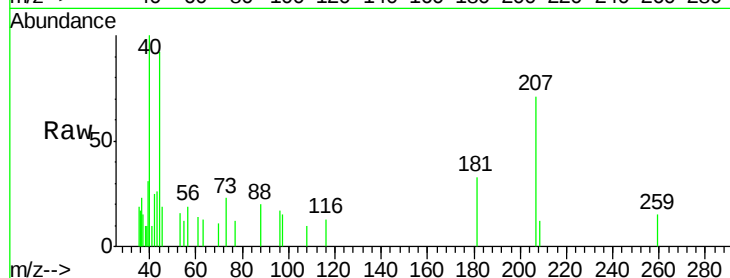
Tot Ion: 88 Resp: 101

Ion Ratio Lower Upper

88 100

43 153.5 29.0 43.4#

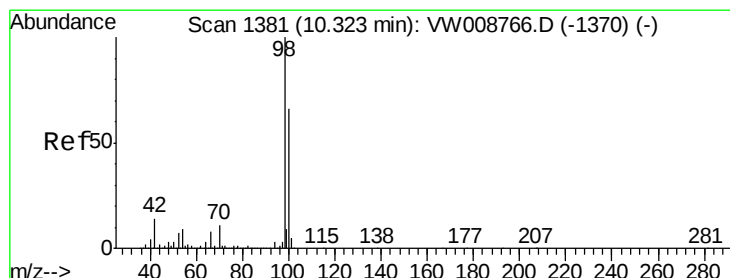
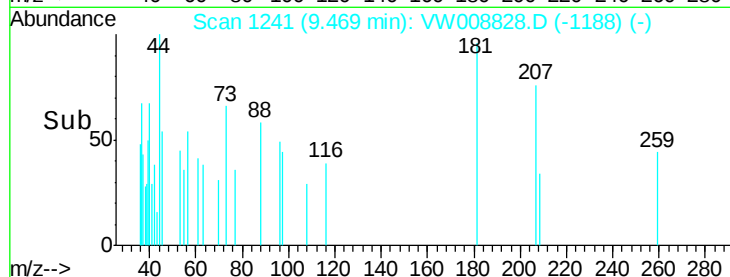
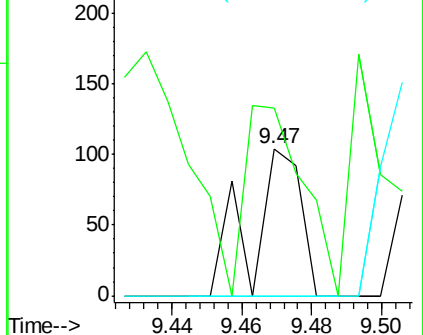
58 0.0 52.0 78.0#



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: 50.620 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008828.D

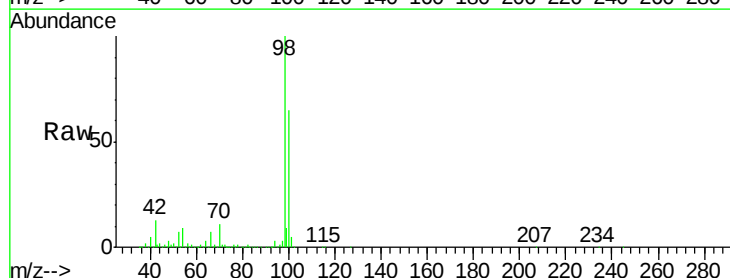
Acq: 26 Feb 2019 14:10

Tgt Ion: 98 Resp: 635747

Ion Ratio Lower Upper

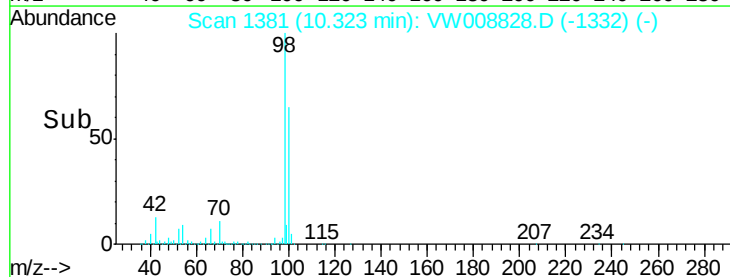
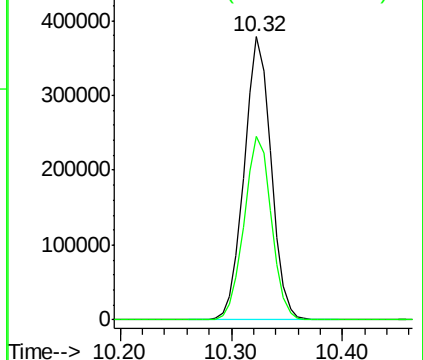
98 100

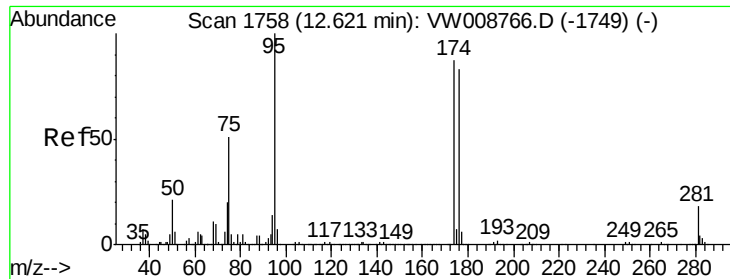
100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

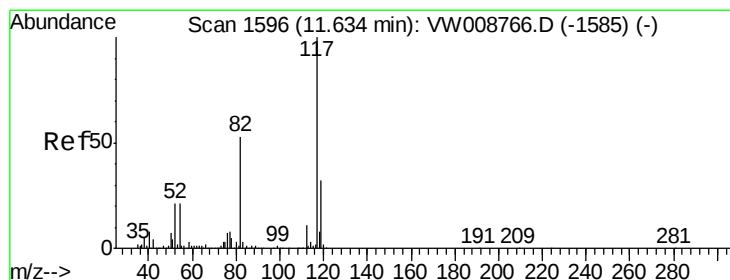
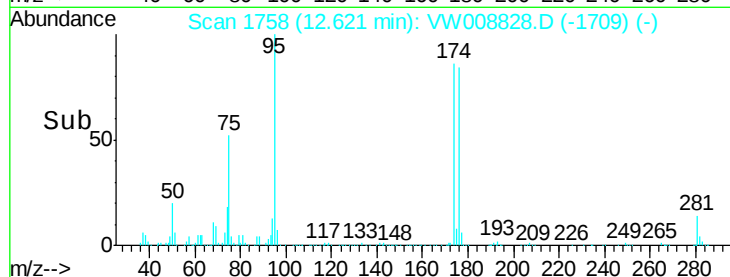
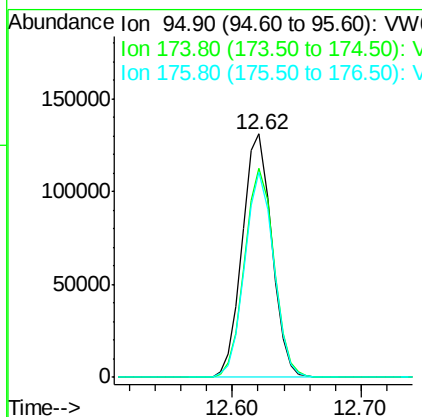
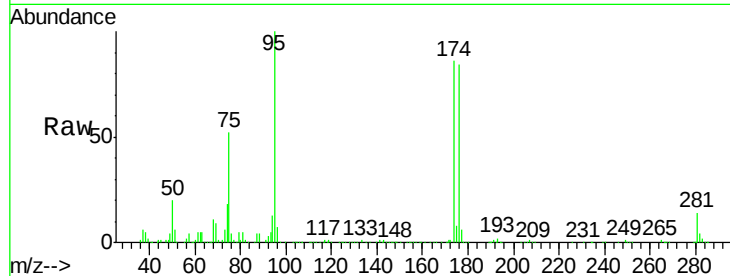




#62
4-Bromofluorobenzene
Concen: 42.131 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008828.D
Acq: 26 Feb 2019 14:10

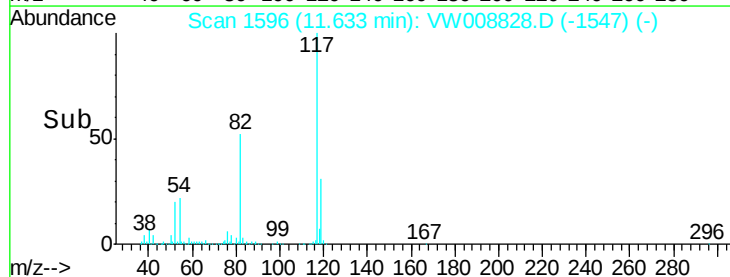
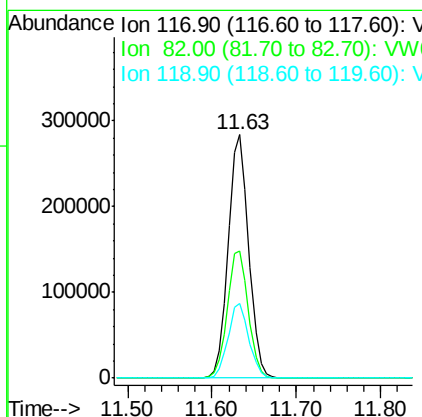
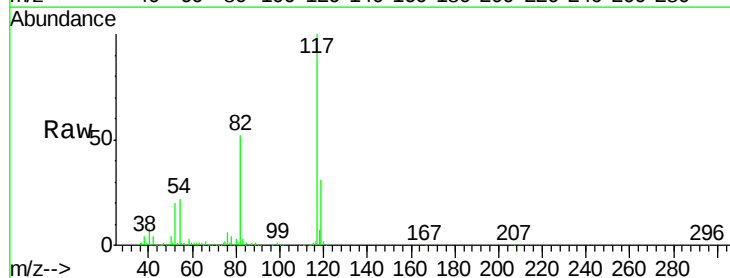
Instrument :
MSVOA_W
ClientSampleId :
SB-01

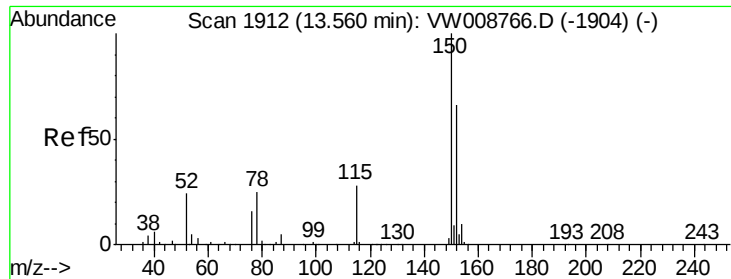
Tot Ion: 95 Resp: 207179
Ion Ratio Lower Upper
95 100
174 85.7 0.0 169.2
176 82.9 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008828.D
Acq: 26 Feb 2019 14:10

Tgt Ion: 117 Resp: 470547
Ion Ratio Lower Upper
117 100
82 52.1 42.2 63.4
119 30.7 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: VW008828.D

Acq: 26 Feb 2019 14:10

Instrument :

MSVOA_W

ClientSampled :

SB-01

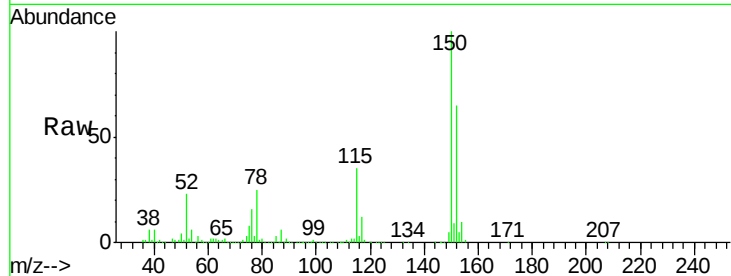
Tot Ion:152 Resp: 189519

Ion Ratio Lower Upper

152 100

115 57.0 28.6 85.8

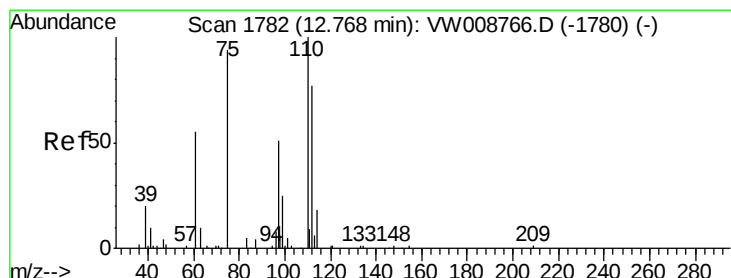
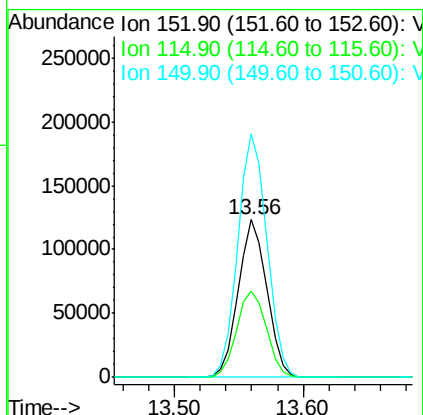
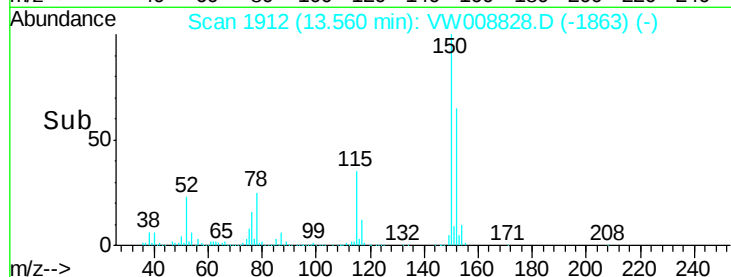
150 157.3 0.0 348.0



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: 69.067 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008828.D

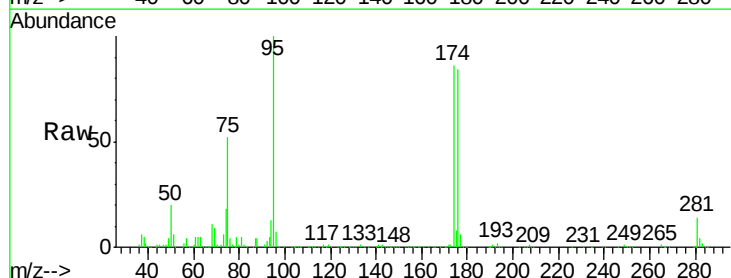
Acq: 26 Feb 2019 14:10

Tgt Ion: 75 Resp: 108072

Ion Ratio Lower Upper

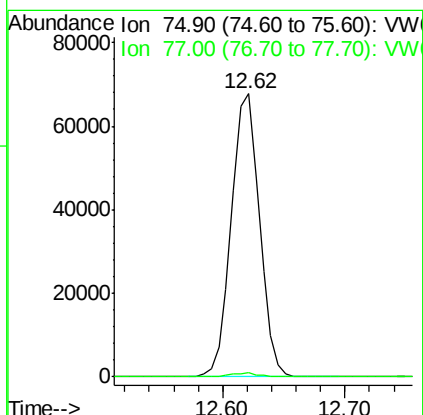
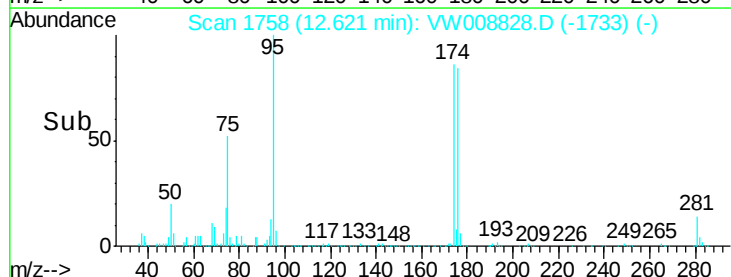
75 100

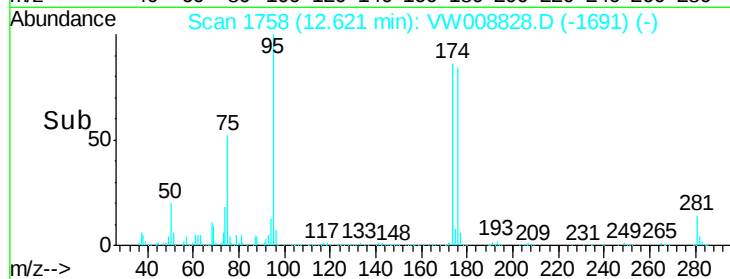
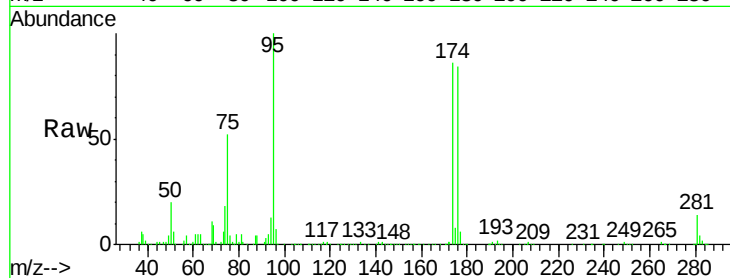
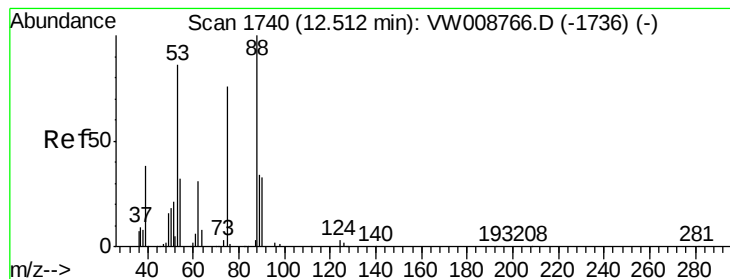
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 167.908 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008828.D

Acq: 26 Feb 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

SB-01

Tot Ion: 75 Resp: 108072

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

89 0.3 39.5 59.3#

