

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101318\
 Data File : VW006051.D
 Acq On : 12 Oct 2018 17:20
 Operator : VA/AP
 Sample : J5198-11
 Misc : 6.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-101218-A

Quant Time: Oct 13 01:08:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	219574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	334383	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	243512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	78594	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	101359	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
35) Dibromofluoromethane	7.88	113	101727	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
50) Toluene-d8	10.33	98	330928	40.29	ug/l	0.00
Spiked Amount			Recovery	=	80.58%	
62) 4-Bromofluorobenzene	12.62	95	90139	28.84	ug/l	0.00
Spiked Amount			Recovery	=	57.68%	

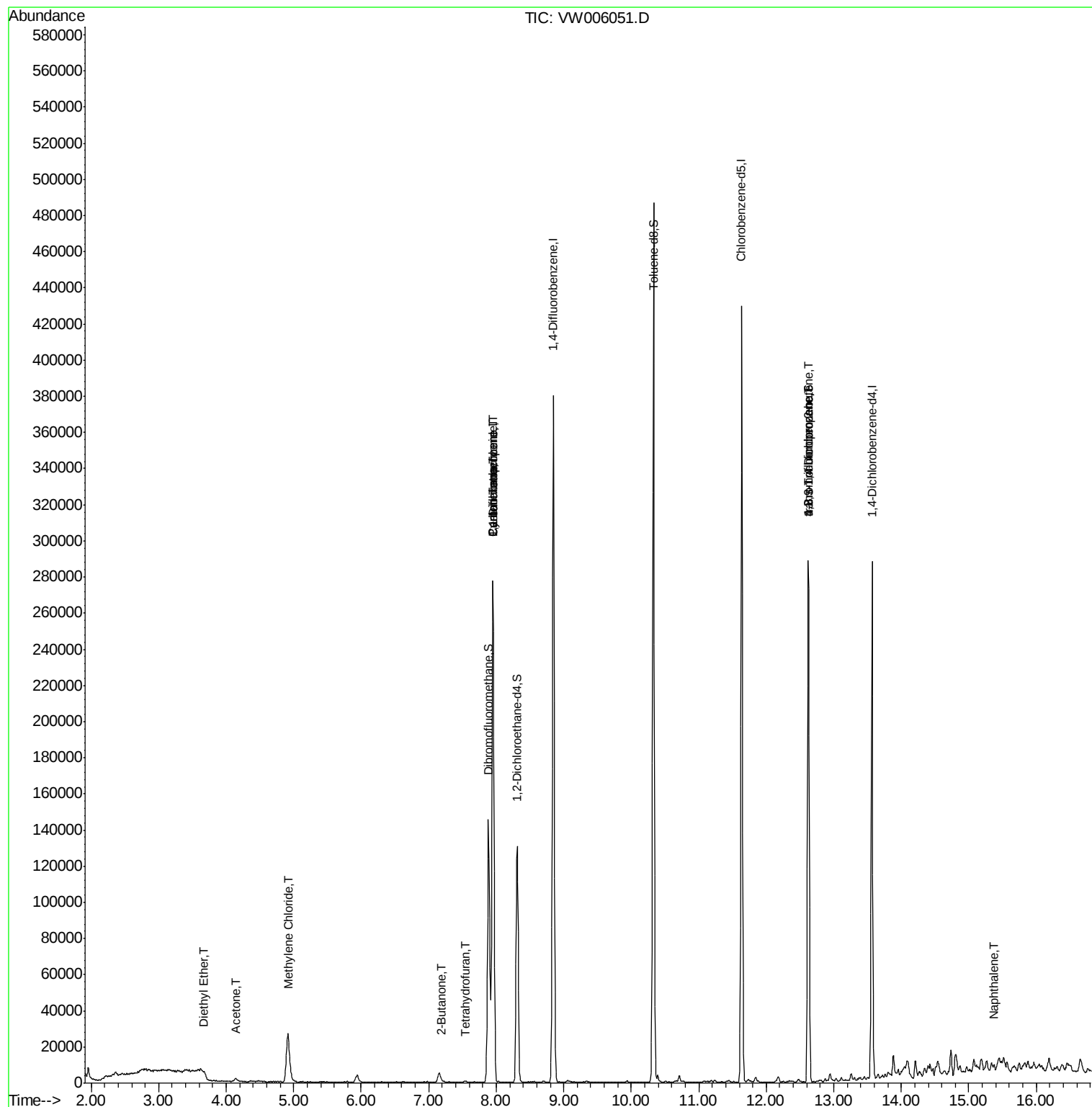
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2210	2.251	ug/l	66
16) Acetone	4.14	43	3849	9.040	ug/l	100
20) Methylene Chloride	4.92	84	23218	10.884	ug/l	95
25) 2-Butanone	7.20	43	805	1.329	ug/l #	49
29) Tetrahydrofuran	7.54	42	407	1.063	ug/l #	52
31) Cyclohexane	7.95	56	4164	1.116	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	14568	4.547	ug/l #	49
38) Carbon Tetrachloride	7.95	117	19945	5.794	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	45659	65.036	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	45659	137.298	ug/l #	11
95) Naphthalene	15.38	128	3649	1.138	ug/l #	91

(#) = 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: VW006051.D

Acq: 12 Oct 2018 17:20

Instrument :

MSVOA_W

ClientSampleId :

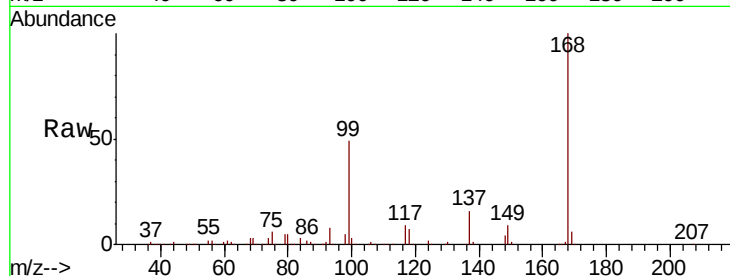
CL-02-101218-A

Tgt Ion:168 Resp: 219574

Ion Ratio Lower Upper

168 100

99 49.4 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

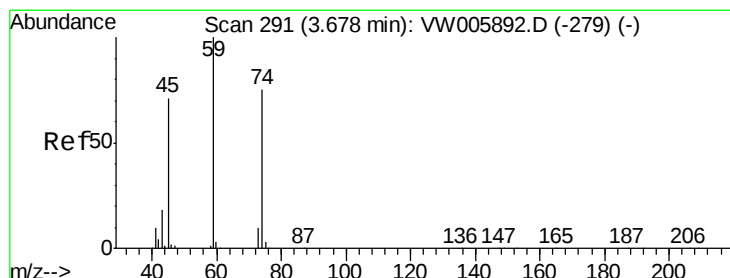
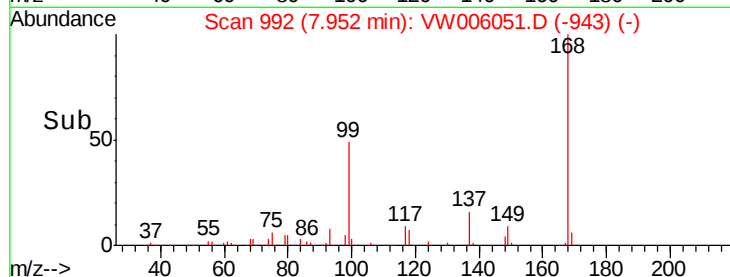
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.251 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW006051.D

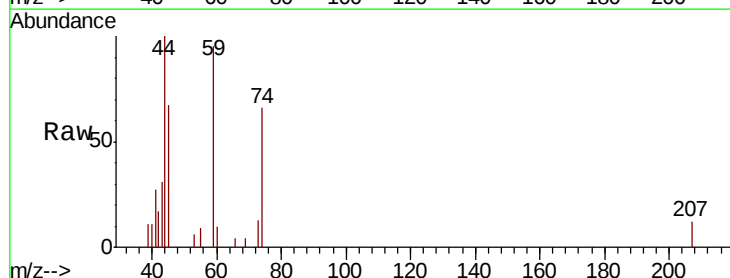
Acq: 12 Oct 2018 17:20

Tgt Ion: 74 Resp: 2210

Ion Ratio Lower Upper

74 100

45 126.6 46.8 140.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

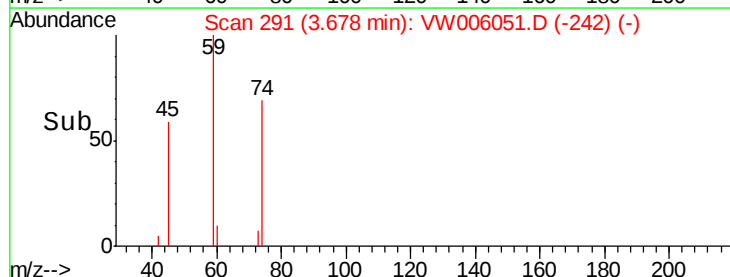
600

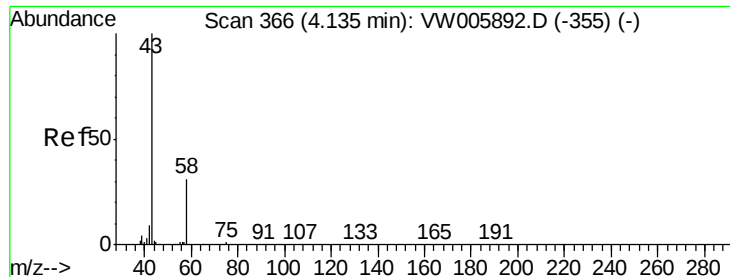
400

200

0

Time-->





#16

Acetone

Concen: 9.040 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW006051.D

Acq: 12 Oct 2018 17:20

Instrument :

MSVOA_W

ClientSampleId :

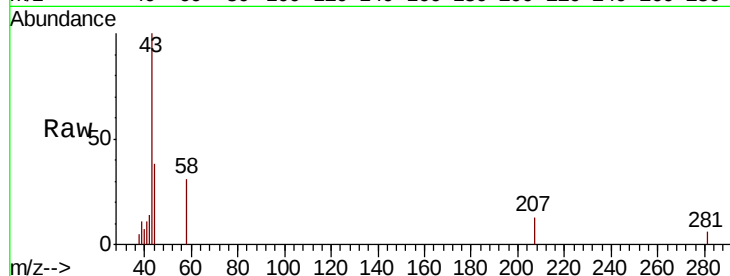
CL-02-101218-A

Tgt Ion: 43 Resp: 3849

Ion Ratio Lower Upper

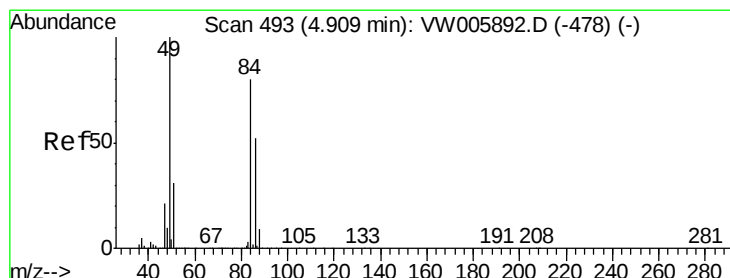
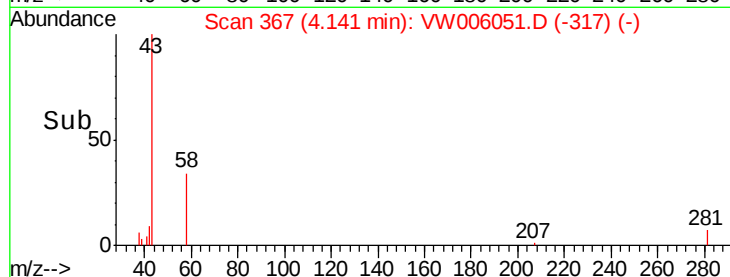
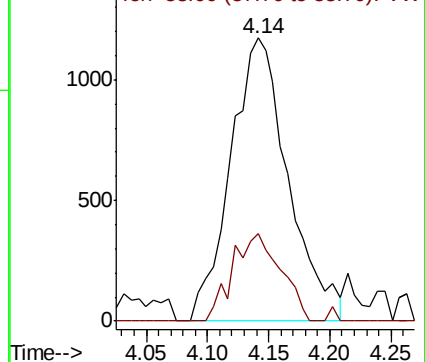
43 100

58 30.9 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 10.884 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW006051.D

Acq: 12 Oct 2018 17:20

Tgt Ion: 84 Resp: 23218

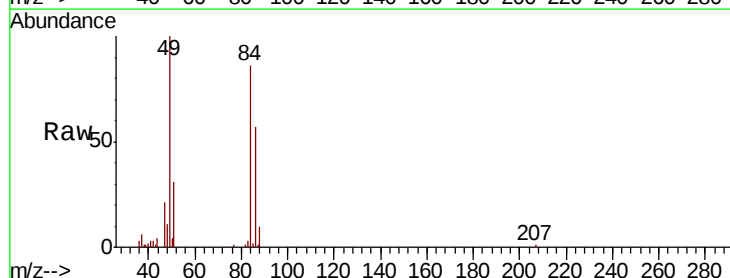
Ion Ratio Lower Upper

84 100

49 116.2 99.9 149.9

51 36.4 31.1 46.7

86 65.7 51.8 77.6

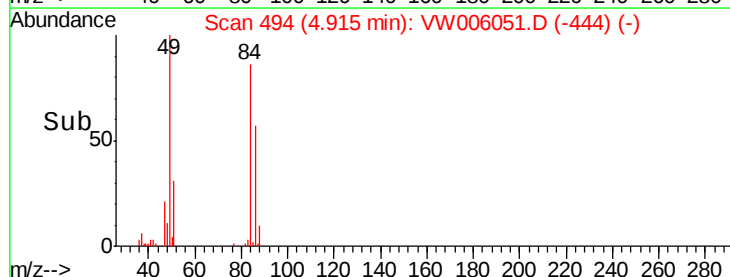
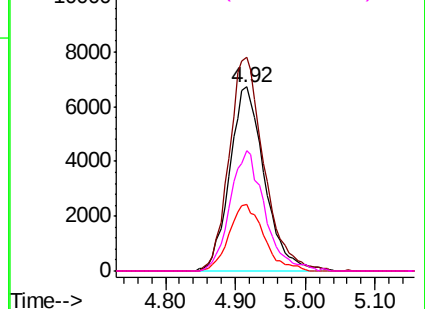


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.329 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.02 min

Lab File: VW006051.D

Acq: 12 Oct 2018 17:20

Instrument :

MSVOA_W

ClientSampleId :

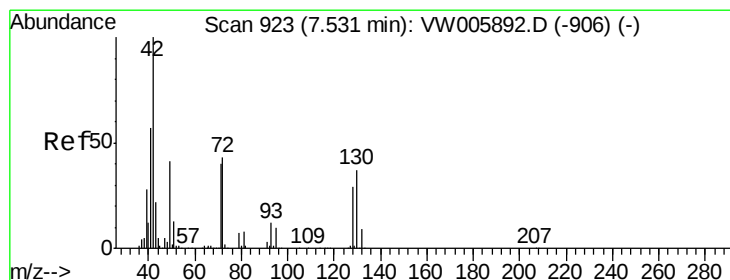
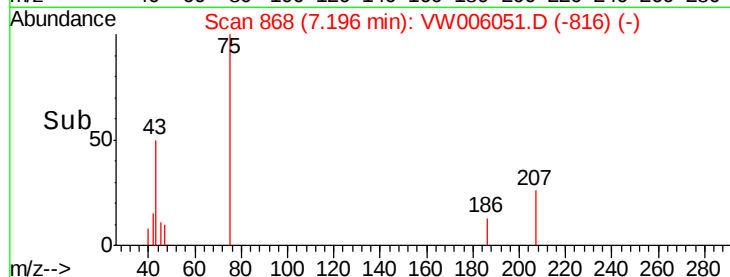
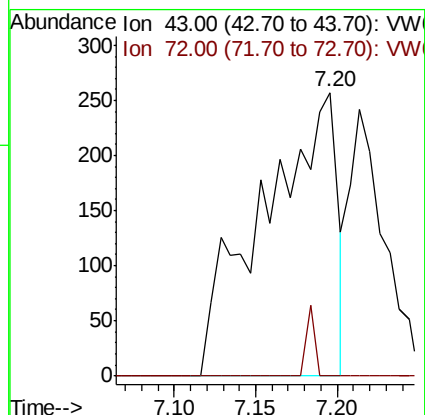
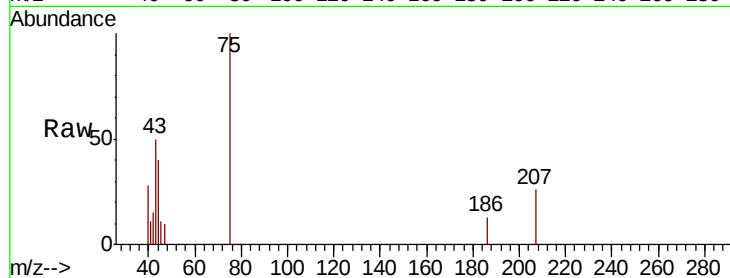
CL-02-101218-A

Tgt Ion: 43 Resp: 805

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#29

Tetrahydrofuran

Concen: 1.063 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW006051.D

Acq: 12 Oct 2018 17:20

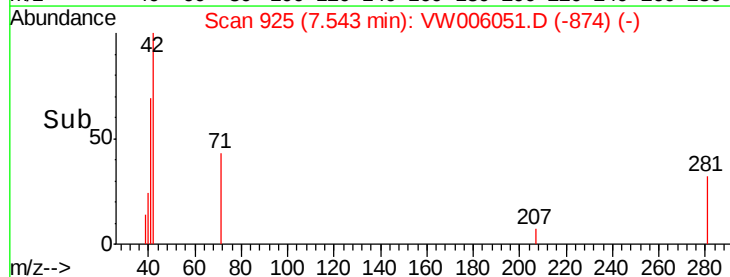
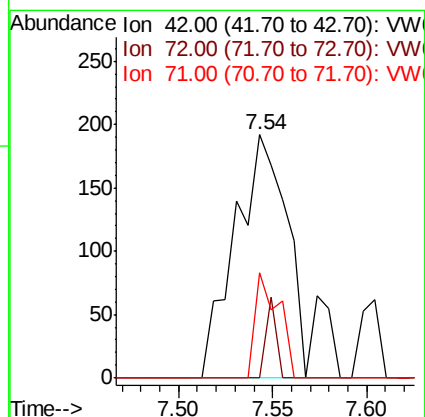
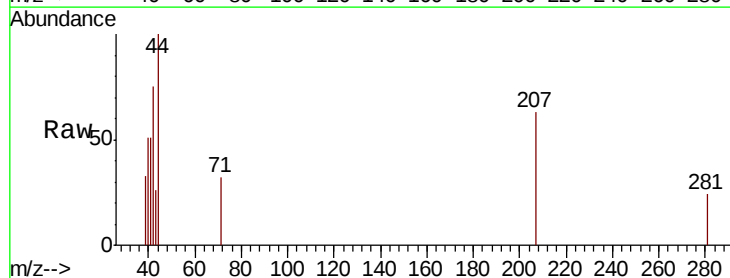
Tgt Ion: 42 Resp: 407

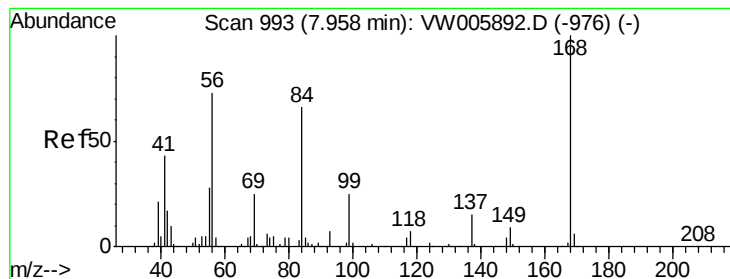
Ion Ratio Lower Upper

42 100

72 5.7 34.6 51.8#

71 17.7 32.6 49.0#





#31

Cyclohexane

Concen: 1.116 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006051.D

Acq: 12 Oct 2018 17:20

Instrument :

MSVOA_W

ClientSampleId :

CL-02-101218-A

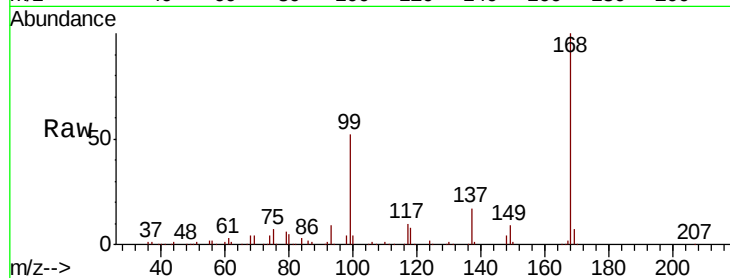
Tgt Ion: 56 Resp: 4164

Ion Ratio Lower Upper

56 100

69 172.0 27.9 41.9#

84 130.8 72.3 108.5#

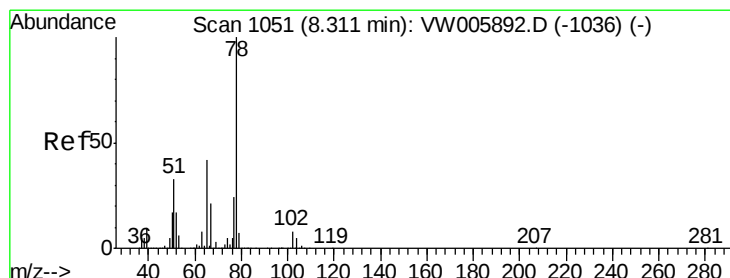
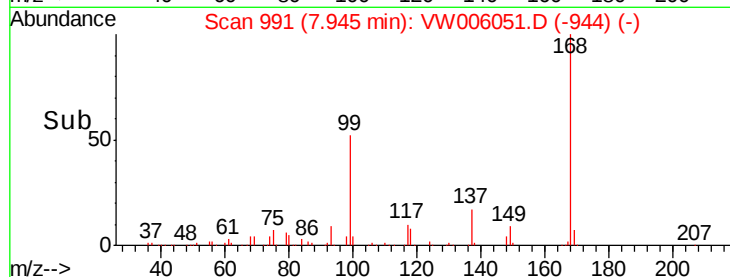
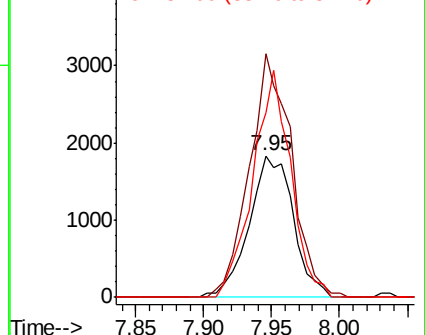


Abundance

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: 47.551 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006051.D

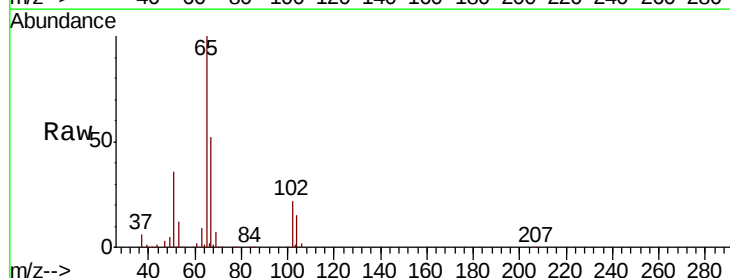
Acq: 12 Oct 2018 17:20

Tgt Ion: 65 Resp: 101359

Ion Ratio Lower Upper

65 100

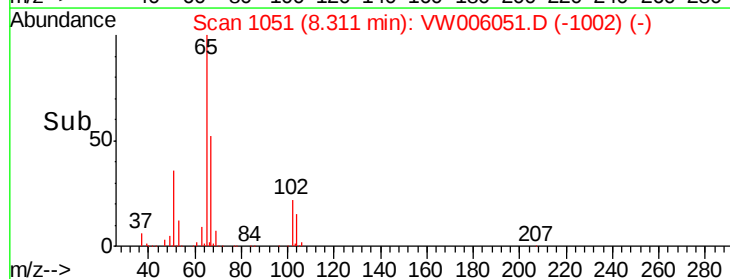
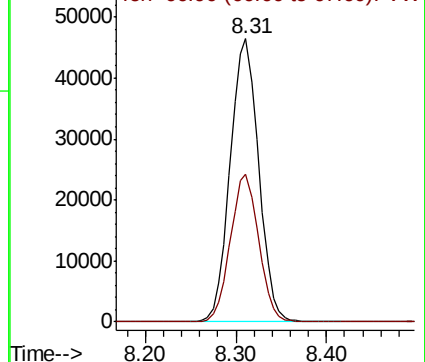
67 51.8 0.0 104.6

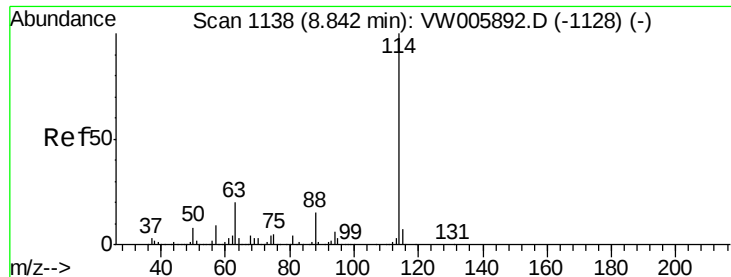


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

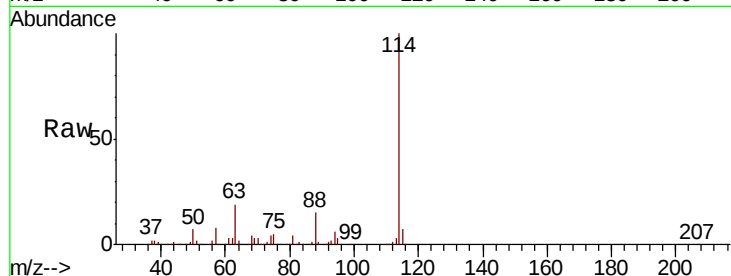




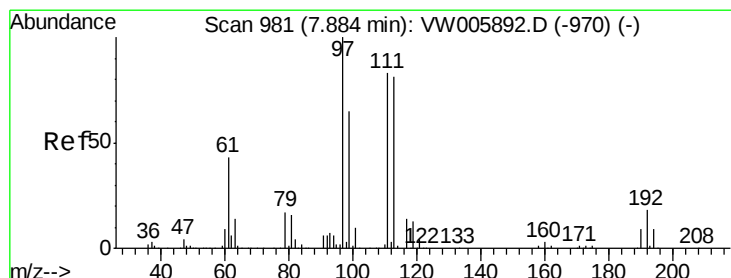
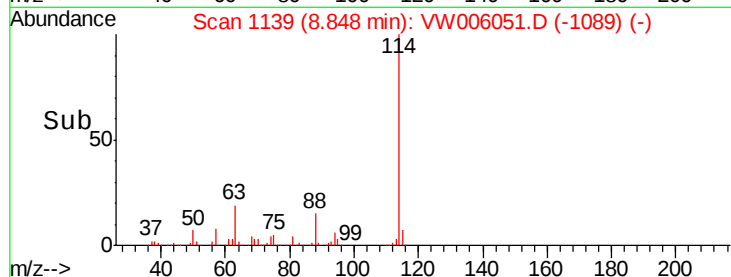
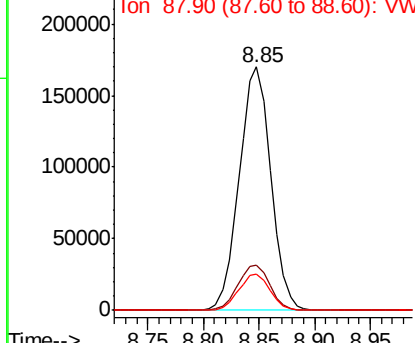
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW006051.D
 Acq: 12 Oct 2018 17:20

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-101218-A

Tgt Ion:114 Resp: 334383
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.2
 88 14.8 0.0 30.8

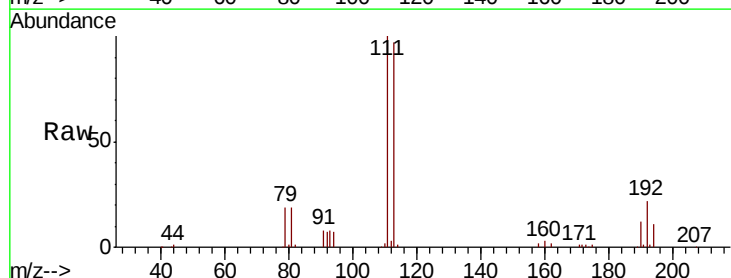


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

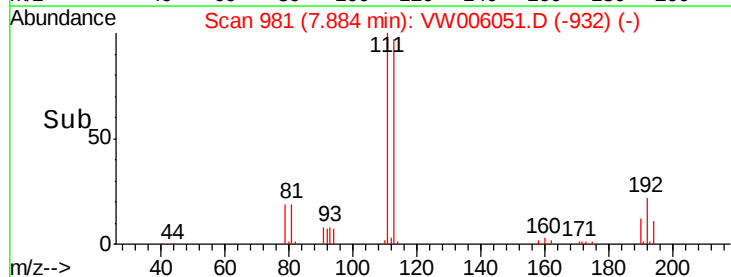
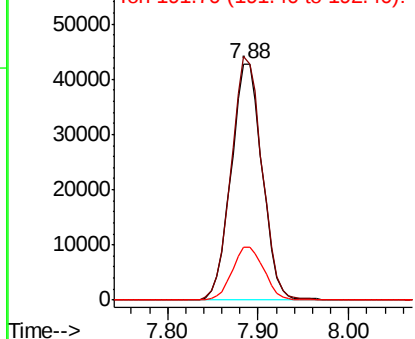


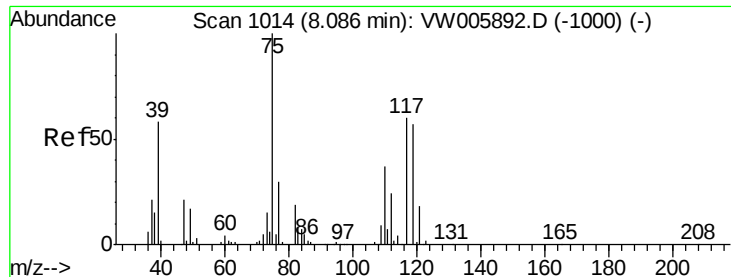
#35
 Dibromofluoromethane
 Concen: 47.650 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW006051.D
 Acq: 12 Oct 2018 17:20

Tgt Ion:113 Resp: 101727
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.0 123.0
 192 22.7 18.3 27.5



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

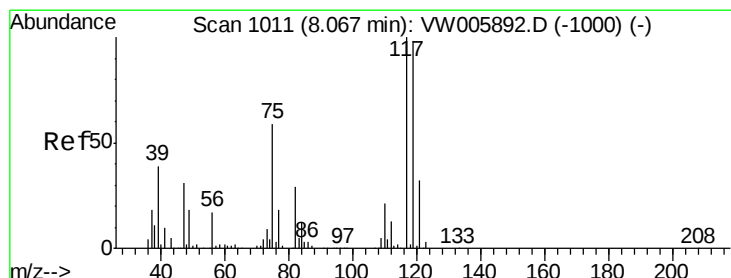
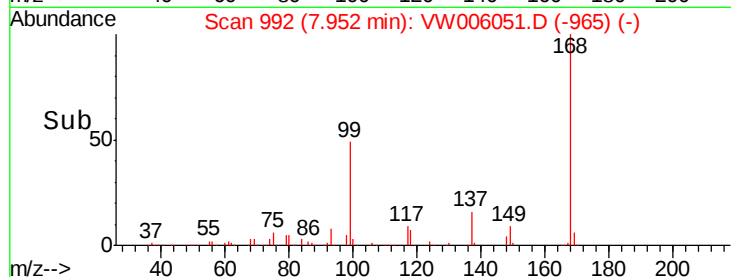
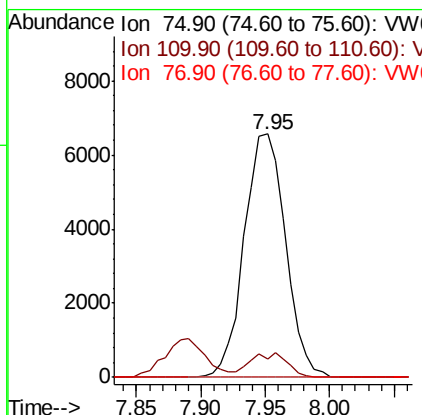
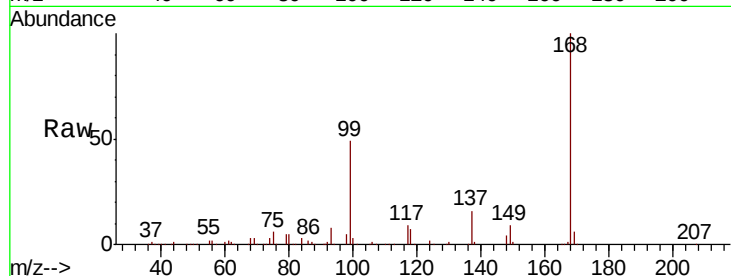




#36
 1,1-Dichloropropene
 Concen: 4.547 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006051.D
 Acq: 12 Oct 2018 17:20

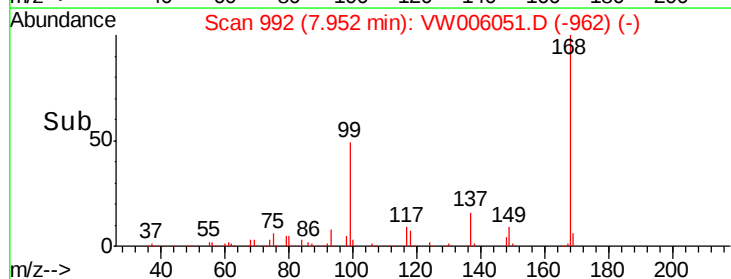
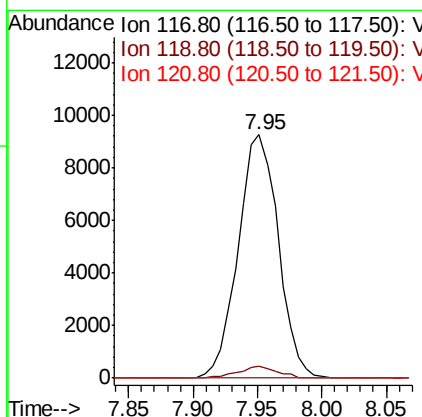
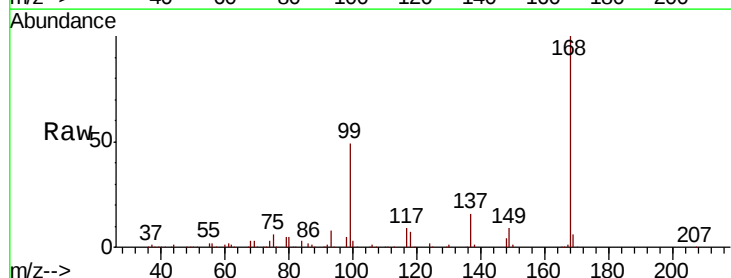
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-101218-A

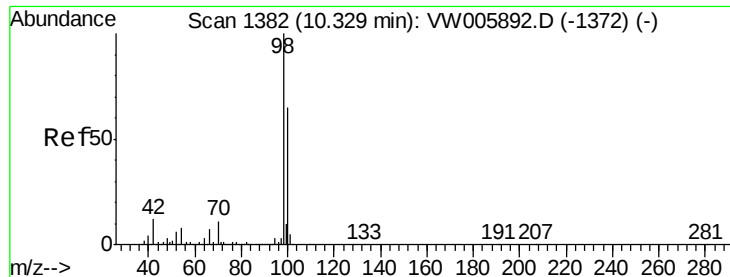
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.6	56.0#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.794 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006051.D
 Acq: 12 Oct 2018 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	78.6	117.8#
121	0.0	25.3	37.9#





#50

Toluene-d8

Concen: 40.289 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006051.D

Acq: 12 Oct 2018 17:20

Instrument :

MSVOA_W

ClientSampleId :

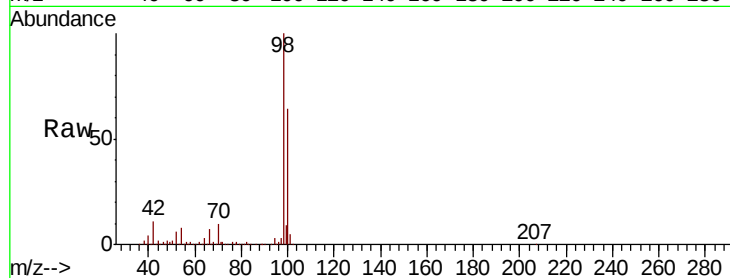
CL-02-101218-A

Tgt Ion: 98 Resp: 330928

Ion Ratio Lower Upper

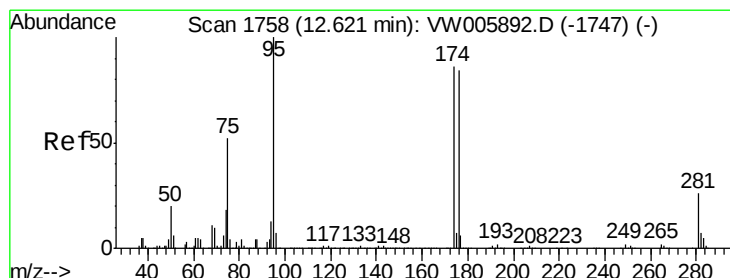
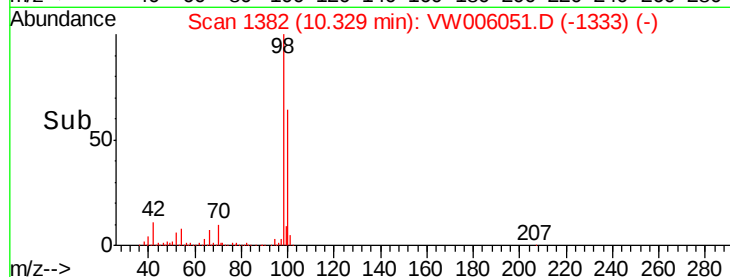
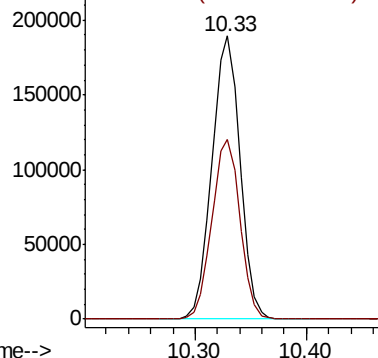
98 100

100 63.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 28.844 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006051.D

Acq: 12 Oct 2018 17:20

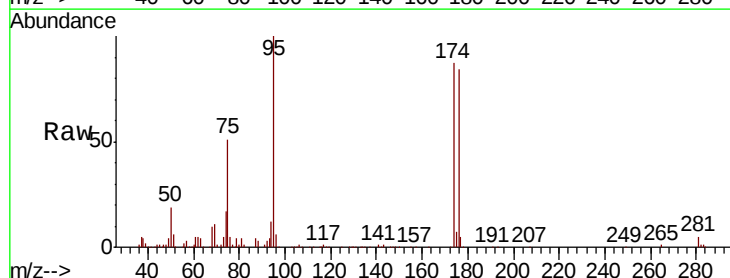
Tgt Ion: 95 Resp: 90139

Ion Ratio Lower Upper

95 100

174 92.5 0.0 176.4

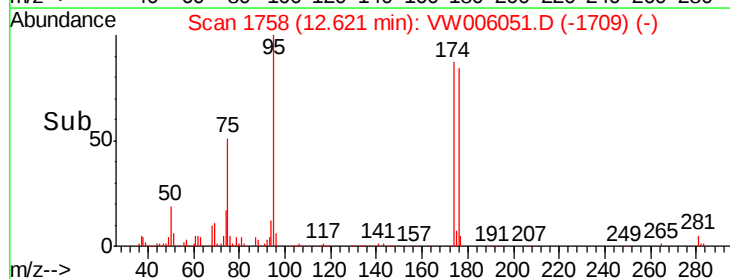
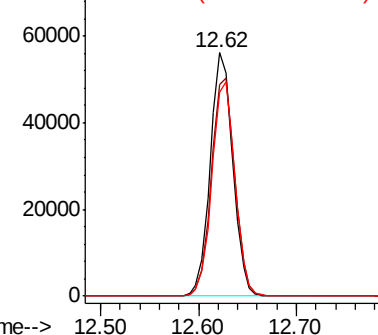
176 89.7 0.0 173.0

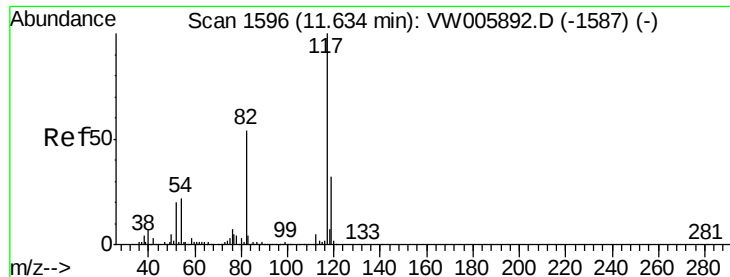


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

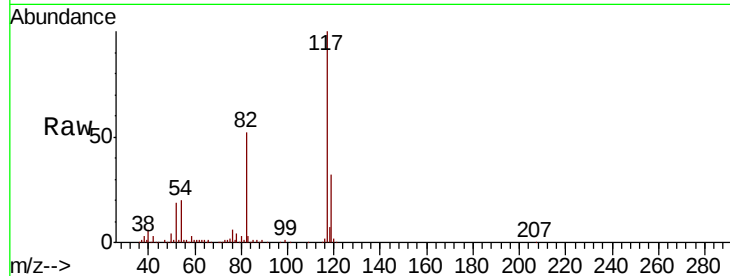




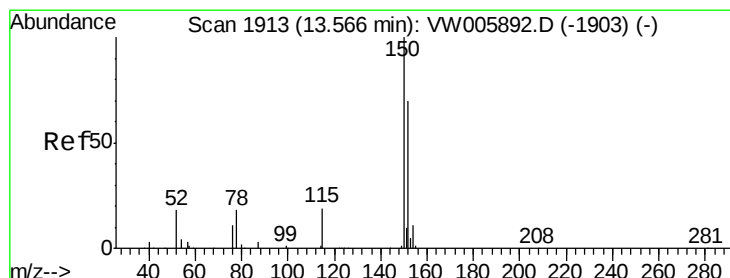
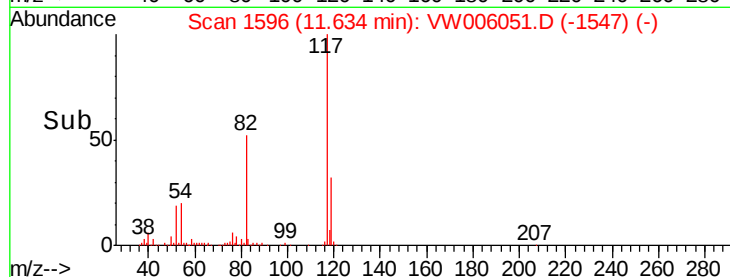
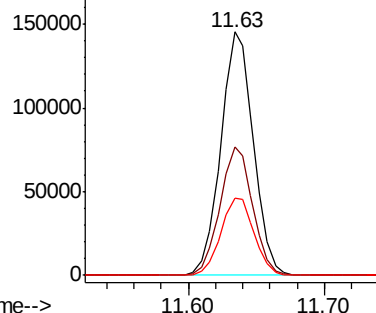
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006051.D
Acq: 12 Oct 2018 17:20

Instrument :
MSVOA_W
ClientSampleId :
CL-02-101218-A

Tgt Ion:117 Resp: 243512
Ion Ratio Lower Upper
117 100
82 52.5 43.5 65.3
119 31.7 25.4 38.2

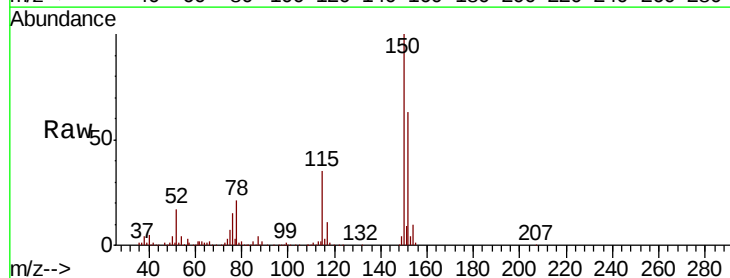


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

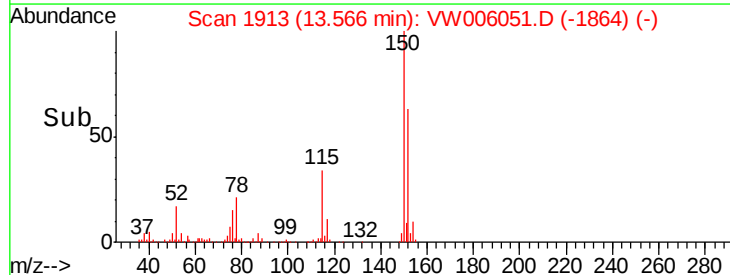
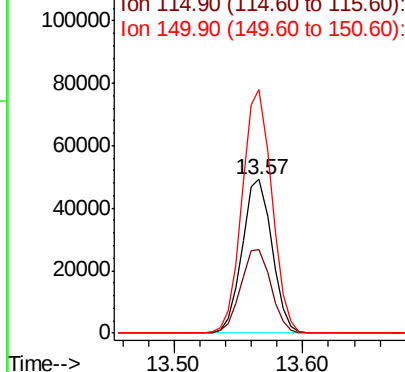


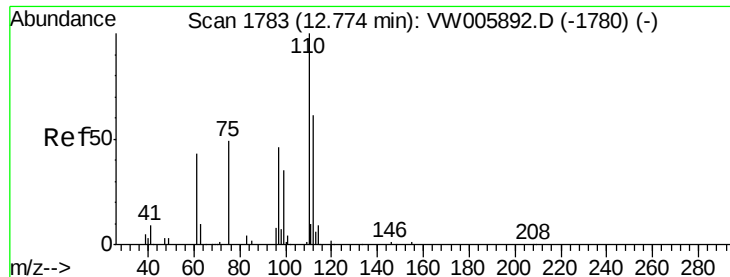
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006051.D
Acq: 12 Oct 2018 17:20

Tgt Ion:152 Resp: 78594
Ion Ratio Lower Upper
152 100
115 55.5 28.3 85.0
150 157.8 0.0 349.2



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





#76

1,2,3-Trichloropropane

Concen: 65.036 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006051.D

Acq: 12 Oct 2018 17:20

Instrument :

MSVOA_W

ClientSampleId :

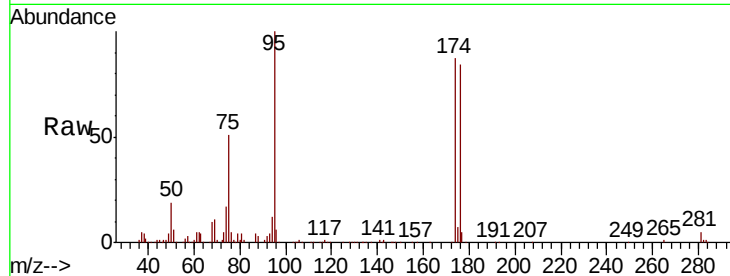
CL-02-101218-A

Tgt Ion: 75 Resp: 45659

Ion Ratio Lower Upper

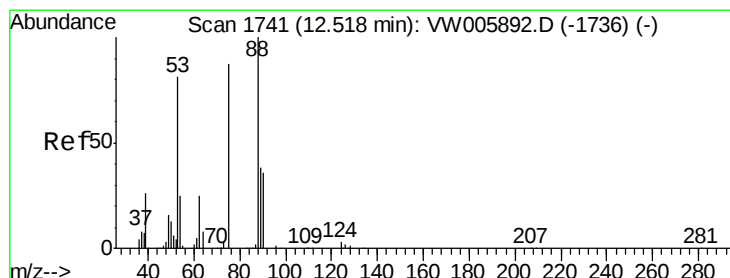
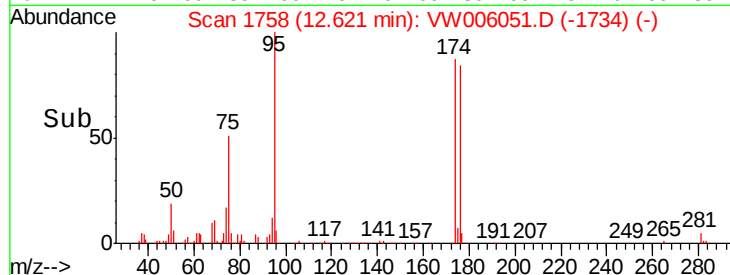
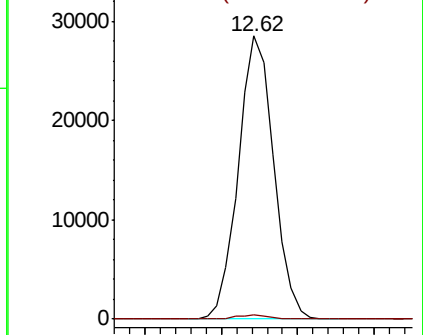
75 100

77 1.2 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: 137.298 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006051.D

Acq: 12 Oct 2018 17:20

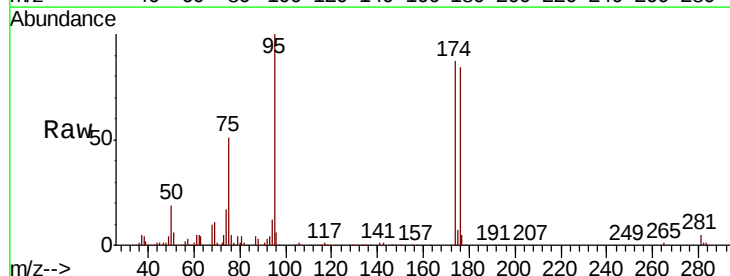
Tgt Ion: 75 Resp: 45659

Ion Ratio Lower Upper

75 100

53 0.0 76.5 114.7#

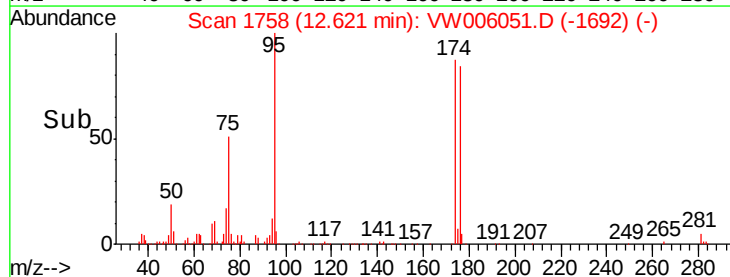
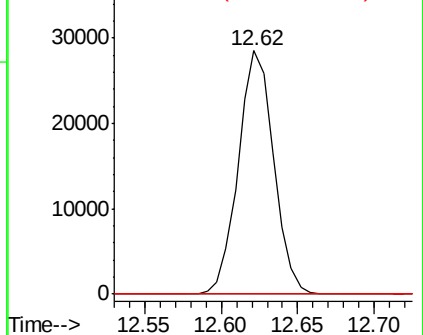
89 0.0 37.6 56.4#

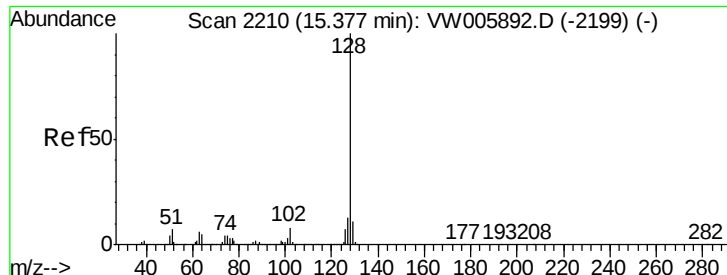


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

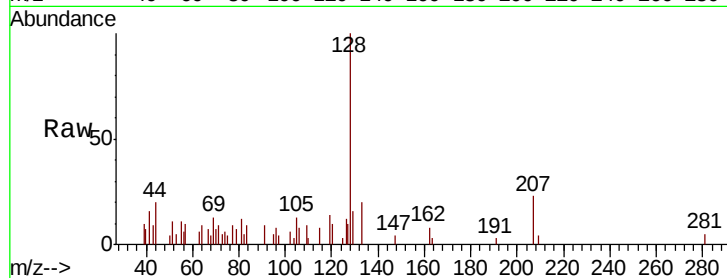




#95
Naphthalene
Concen: 1.138 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006051.D
Acq: 12 Oct 2018 17:20

Instrument :
MSVOA_W
ClientSampleId :
CL-02-101218-A

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.5	15.7
129	16.4	8.9	13.3



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

