

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010419\
 Data File : VW008056.D
 Acq On : 04 Jan 2019 19:02
 Operator : SY/AP
 Sample : K1052-01
 Misc : 6.57G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SSSI-0103-S-DH-8A

Quant Time: Jan 05 00:43:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	73421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	123720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	102951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	40053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	43593	53.68	ug/l	0.00
Spiked Amount						
			Recovery	=	107.36%	
35) Dibromofluoromethane	7.88	113	37913	48.61	ug/l	0.00
Spiked Amount						
			Recovery	=	97.22%	
50) Toluene-d8	10.32	98	146730	50.15	ug/l	0.00
Spiked Amount						
			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.62	95	48181	42.94	ug/l	0.00
Spiked Amount						
			Recovery	=	85.88%	

Target Compounds

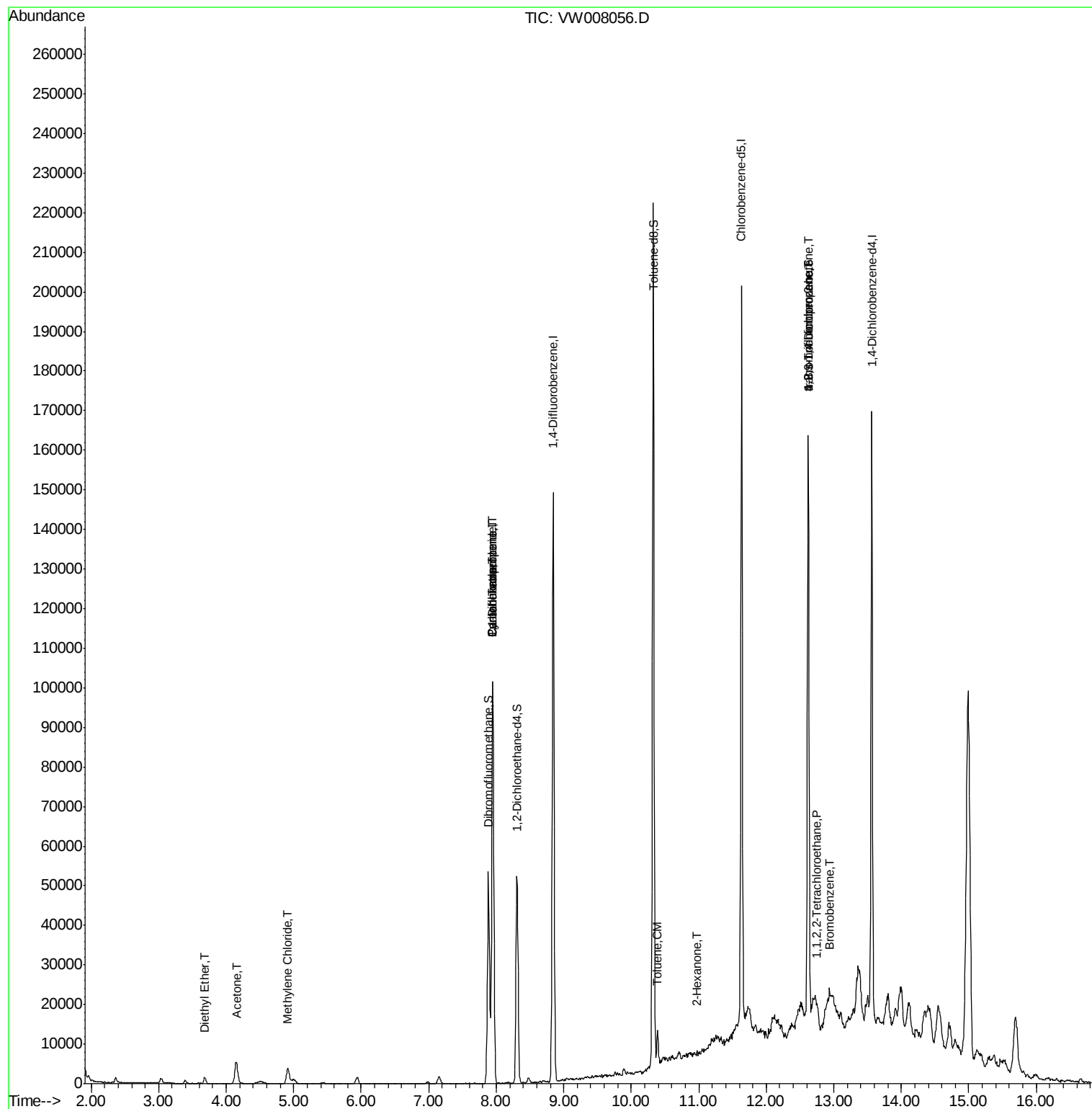
					Qvalue	
8) Diethyl Ether	3.68	74	818	2.458	ug/l	85
16) Acetone	4.15	43	11662	92.772	ug/l	94
20) Methylene Chloride	4.92	84	3071	1.664	ug/l	98
31) Cyclohexane	7.95	56	1616	1.302	ug/l #	25
36) 1,1-Dichloropropene	7.95	75	5778	4.734	ug/l #	53
38) Carbon Tetrachloride	7.95	117	8353	5.711	ug/l #	15
52) Toluene	10.39	92	3966	1.866	ug/l	98
59) 2-Hexanone	10.97	43	258	1.102	ug/l #	25
75) 1,1,2,2-Tetrachloroethane	12.76	83	946	2.334	ug/l #	31
76) 1,2,3-Trichloropropane	12.62	75	25932	81.383	ug/l #	1
77) Bromobenzene	12.94	156	10503	15.343	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	25932	192.458	ug/l #	6

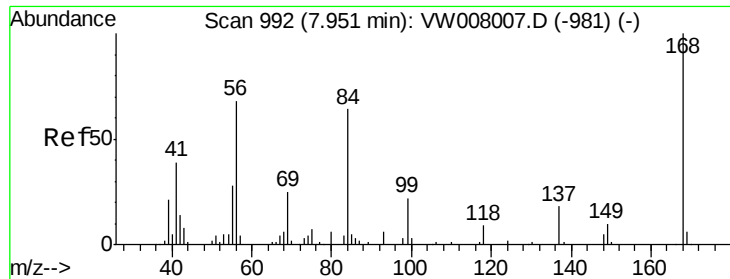
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008056.D

Acq: 04 Jan 2019 19:02

Instrument :

MSVOA_W

ClientSampleId :

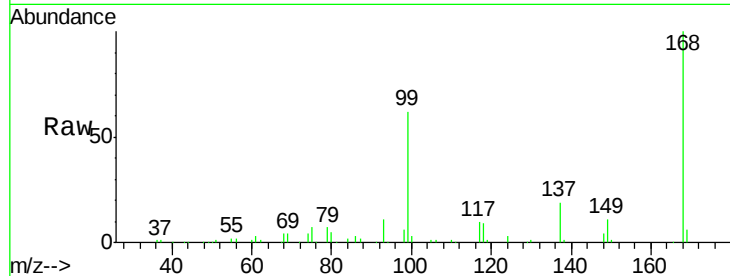
SSSI-0103-S-DH-8A

Tot Ion:168 Resp: 73421

Ion Ratio Lower Upper

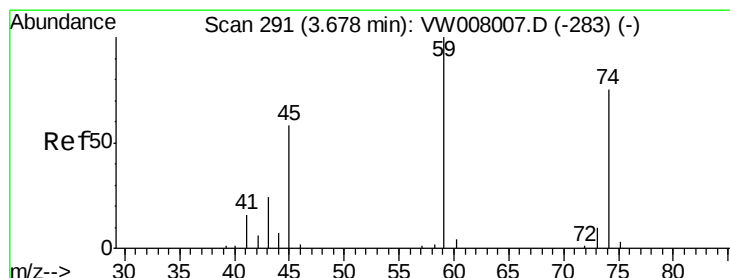
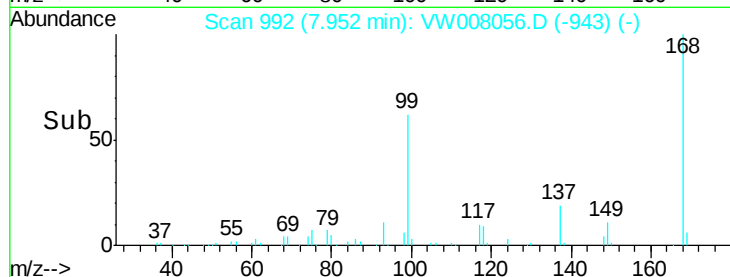
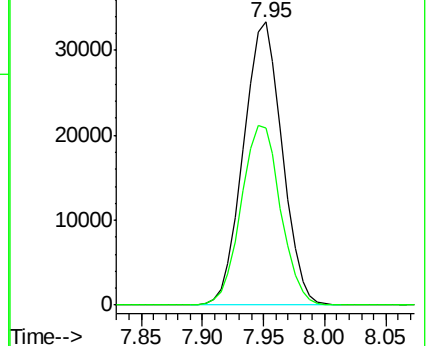
168 100

99 62.4 51.6 77.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.458 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW008056.D

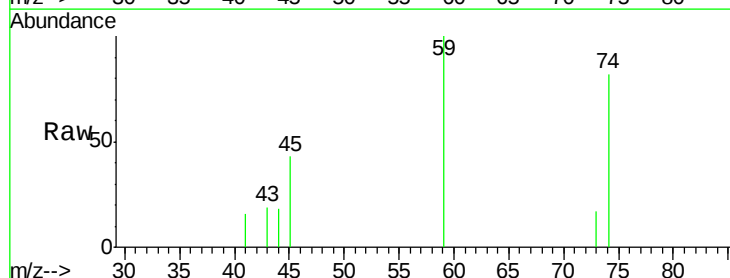
Acq: 04 Jan 2019 19:02

Tgt Ion: 74 Resp: 818

Ion Ratio Lower Upper

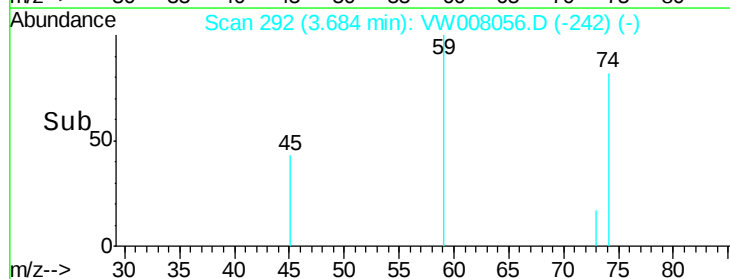
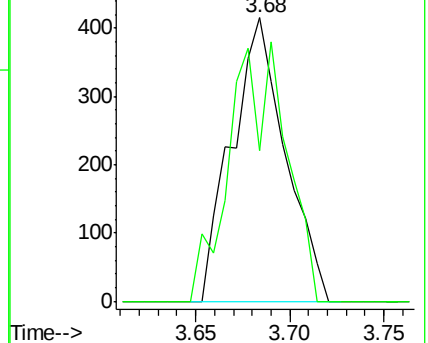
74 100

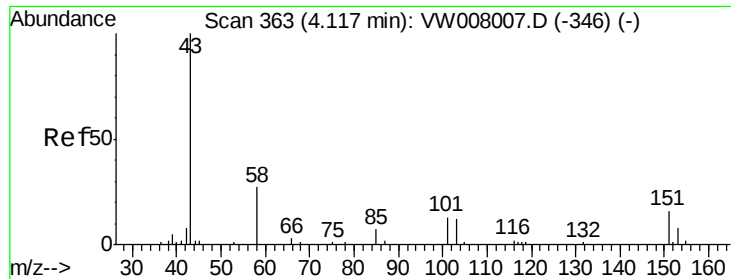
45 96.0 41.4 124.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 92.772 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.04 min

Lab File: VW008056.D

Acq: 04 Jan 2019 19:02

Instrument :

MSVOA_W

ClientSampleId :

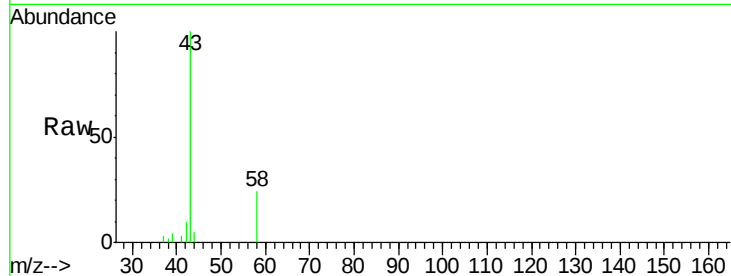
SSSI-0103-S-DH-8A

Tot Ion: 43 Resp: 11662

Ion Ratio Lower Upper

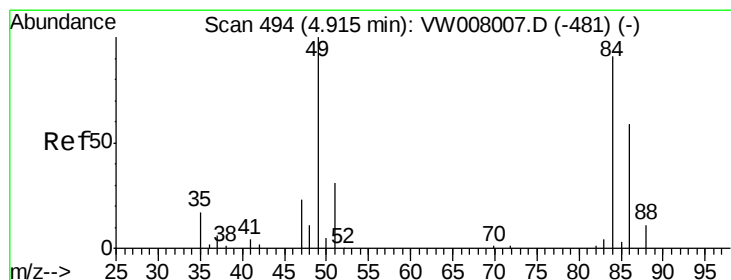
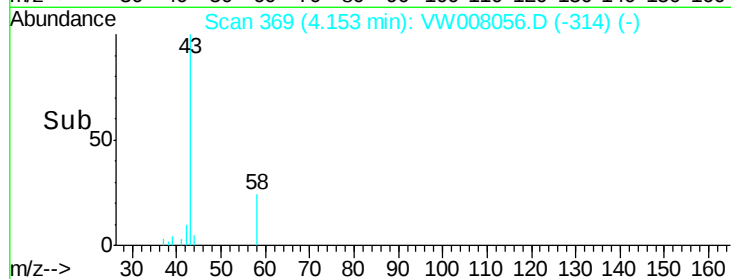
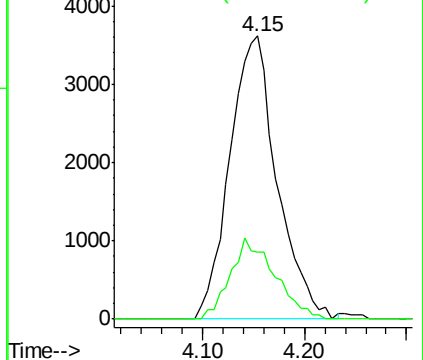
43 100

58 23.9 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 1.664 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008056.D

Acq: 04 Jan 2019 19:02

Tgt Ion: 84 Resp: 3071

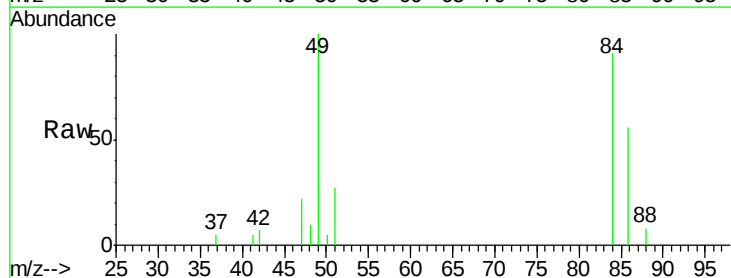
Ion Ratio Lower Upper

84 100

49 109.8 87.7 131.5

51 29.4 27.3 40.9

86 61.9 51.4 77.0

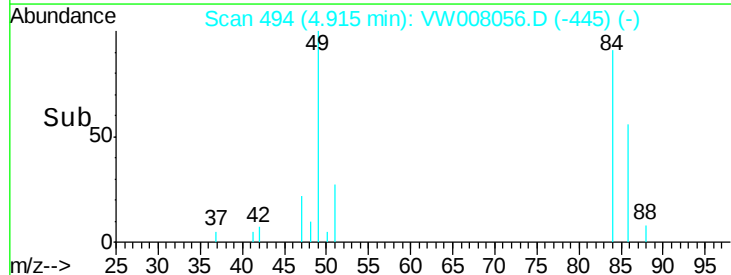
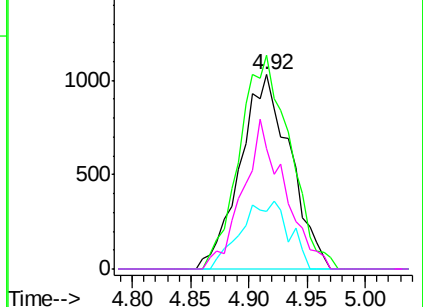


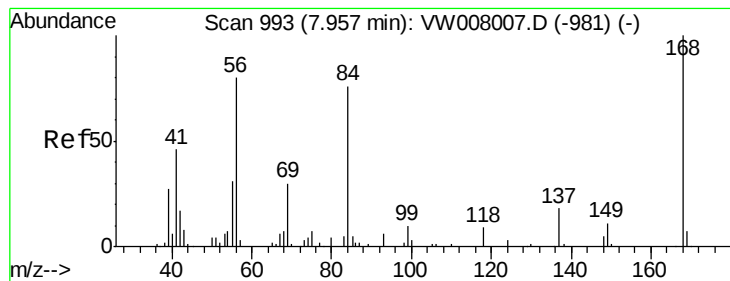
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#31

Cyclohexane

Concen: 1.302 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008056.D

Acq: 04 Jan 2019 19:02

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SSSI-0103-S-DH-8A

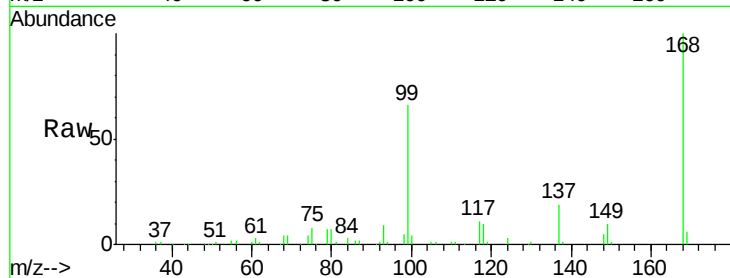
Tot Ion: 56 Resp: 1616

Ion Ratio Lower Upper

56 100

69 171.6 29.8 44.6#

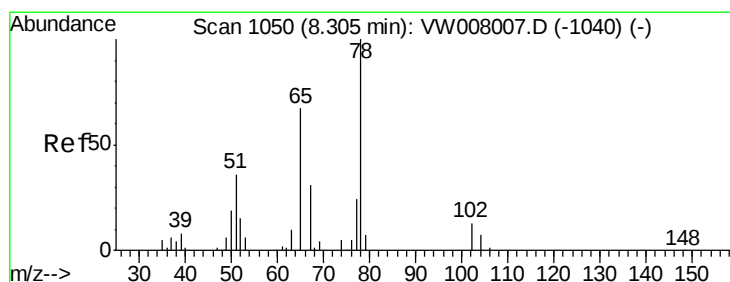
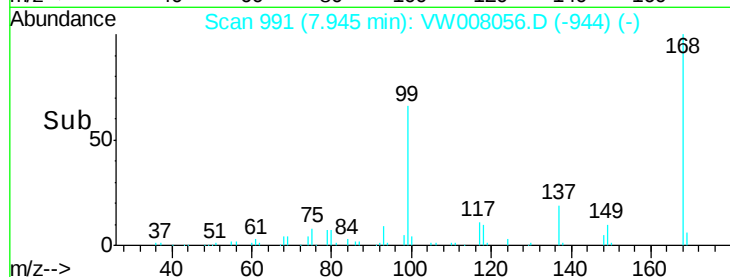
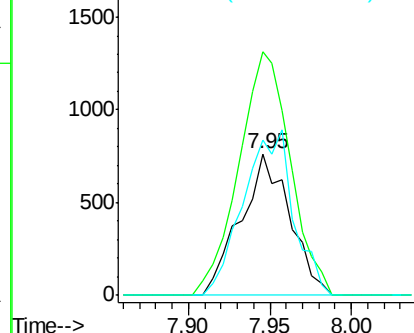
84 109.3 75.2 112.8



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: 53.681 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008056.D

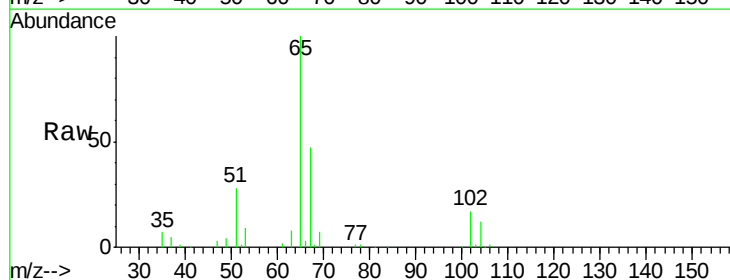
Acq: 04 Jan 2019 19:02

Tgt Ion: 65 Resp: 43593

Ion Ratio Lower Upper

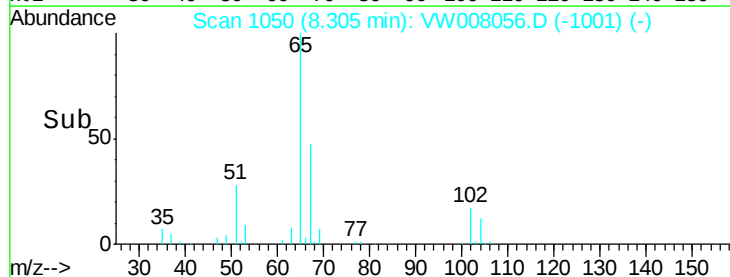
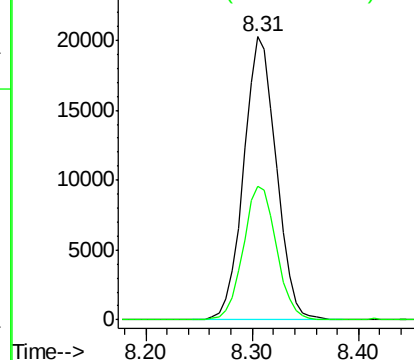
65 100

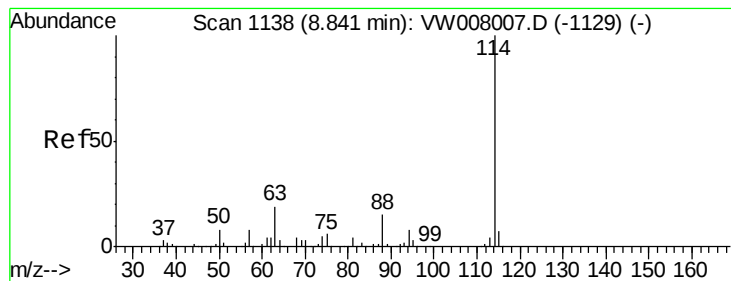
67 48.1 0.0 94.8



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: VW008056.D

Acq: 04 Jan 2019 19:02

Instrument :

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SSSI-0103-S-DH-8A

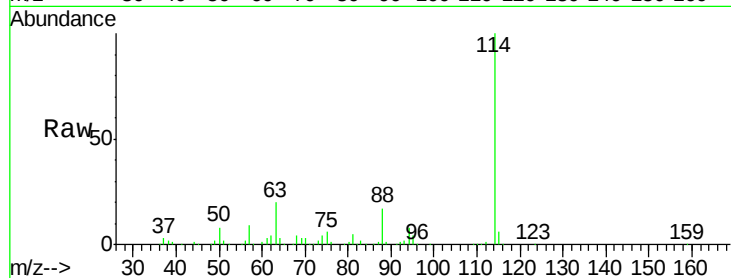
Tot Ion:114 Resp: 123720

Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.8

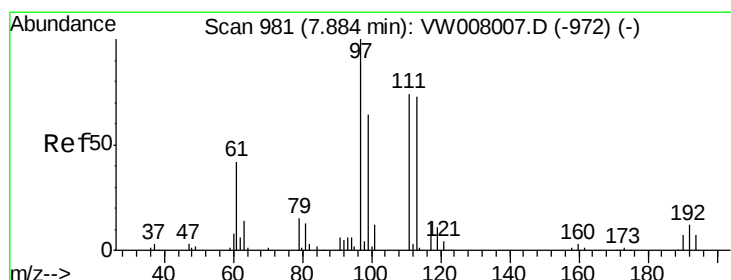
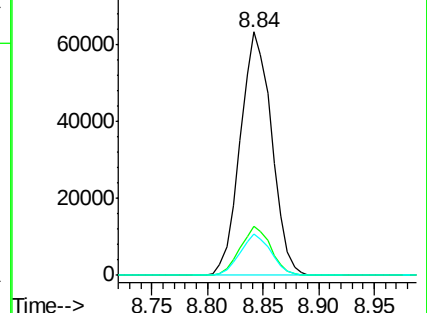
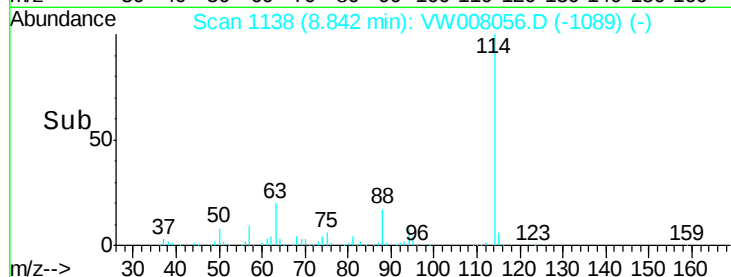
88 17.2 0.0 31.0



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: 48.610 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008056.D

Acq: 04 Jan 2019 19:02

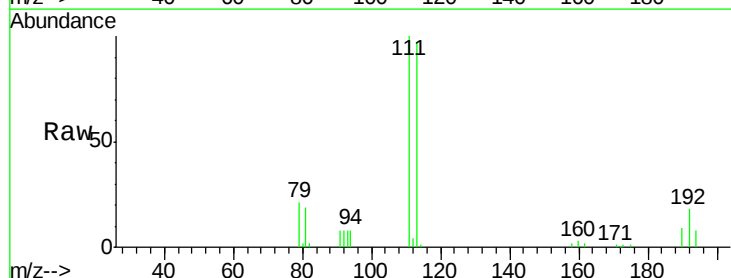
Tgt Ion:113 Resp: 37913

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

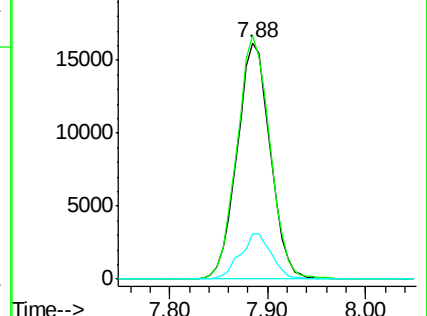
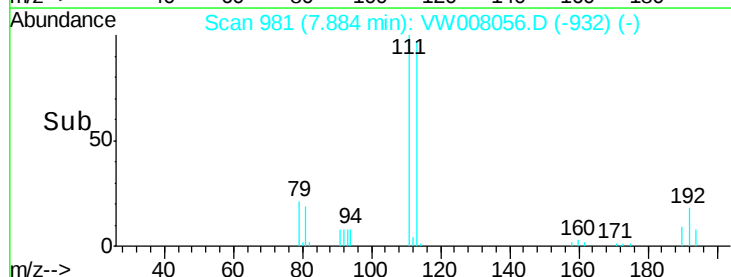
192 18.3 14.8 22.2

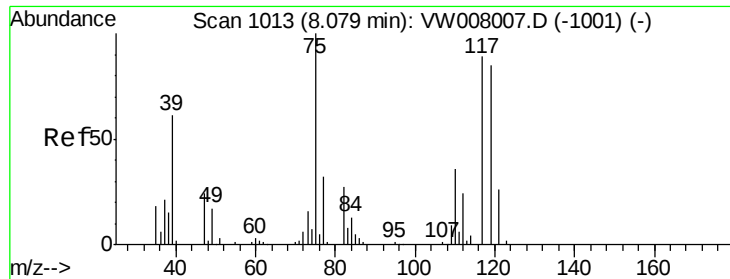


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

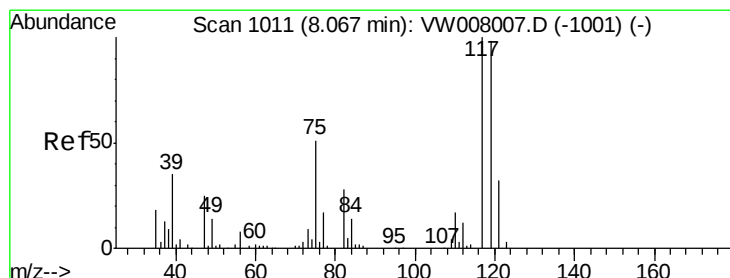
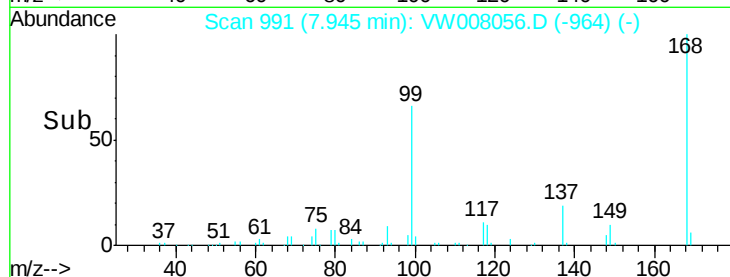
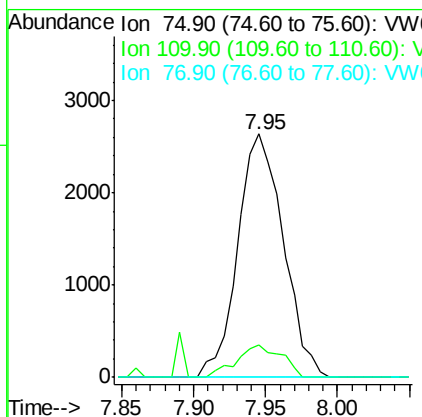
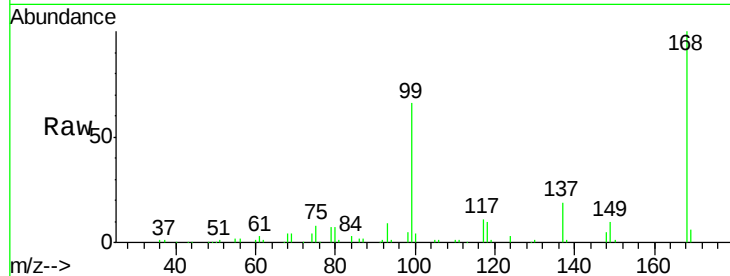




#36
 1,1-Dichloropropene
 Concen: 4.734 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008056.D
 Acq: 04 Jan 2019 19:02

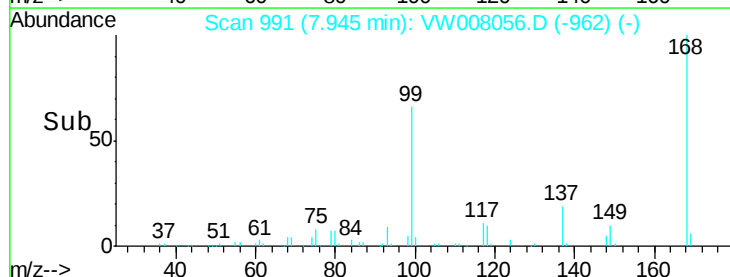
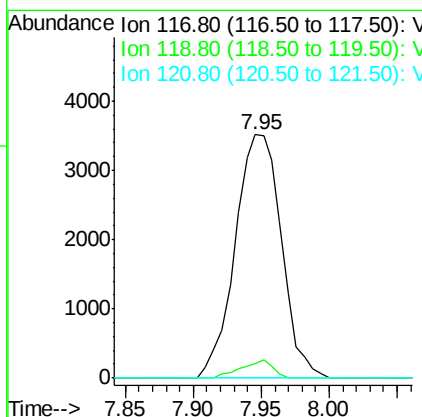
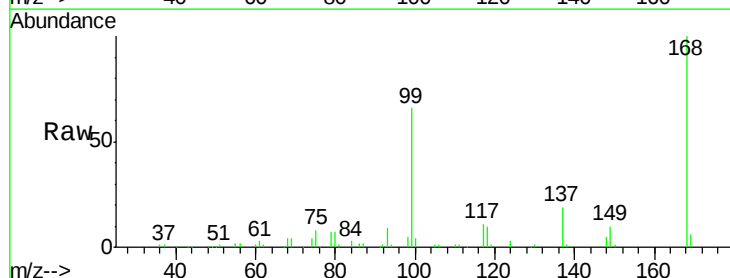
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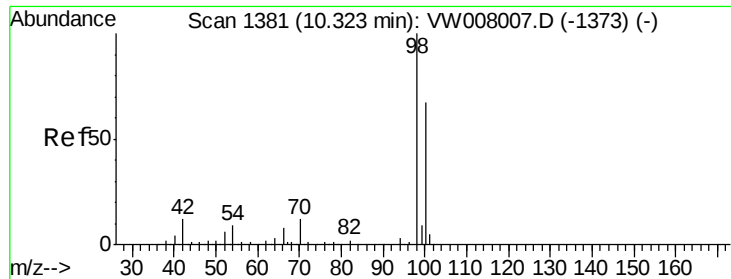
Tot Ion: 75 Resp: 5778
 Ion Ratio Lower Upper
 75 100
 110 13.2 18.1 54.3#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 5.711 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008056.D
 Acq: 04 Jan 2019 19:02

Tgt Ion: 117 Resp: 8353
 Ion Ratio Lower Upper
 117 100
 119 5.7 78.7 118.1#
 121 0.0 25.8 38.8#

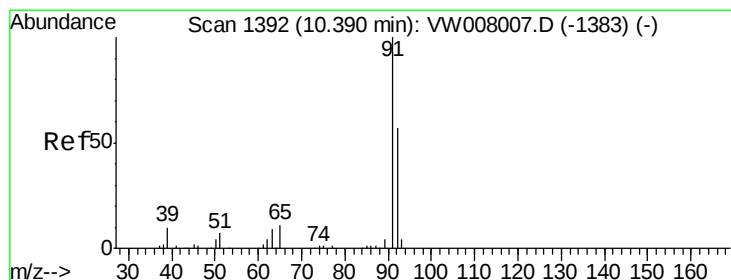
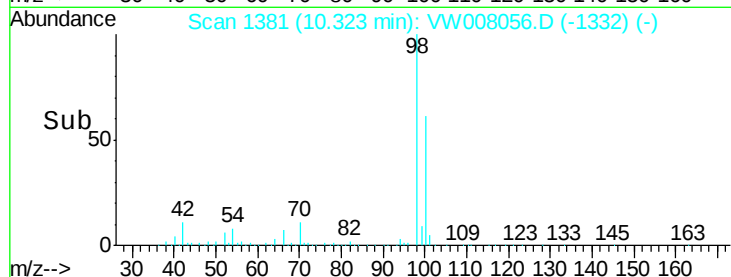
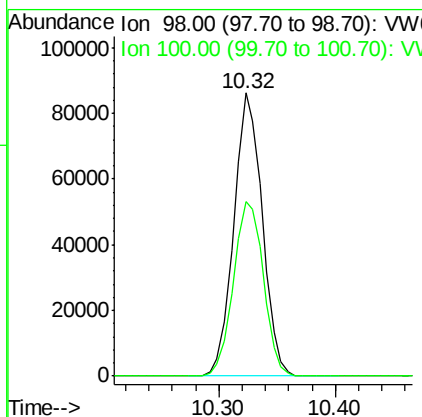
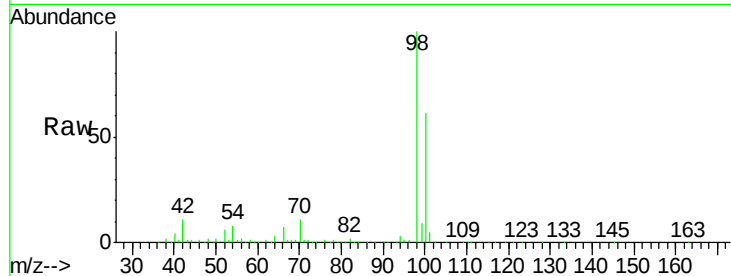




#50
Toluene-d8
Concen: 50.152 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008056.D
Acq: 04 Jan 2019 19:02

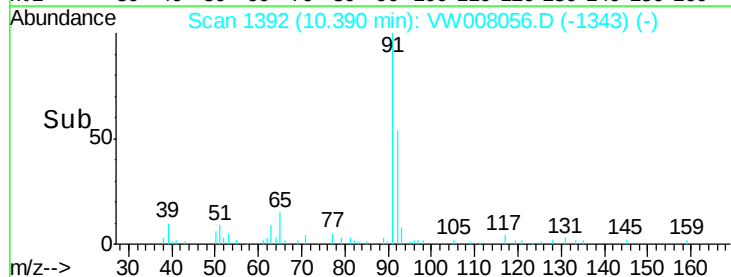
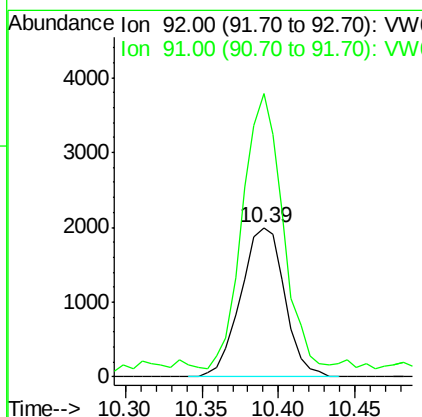
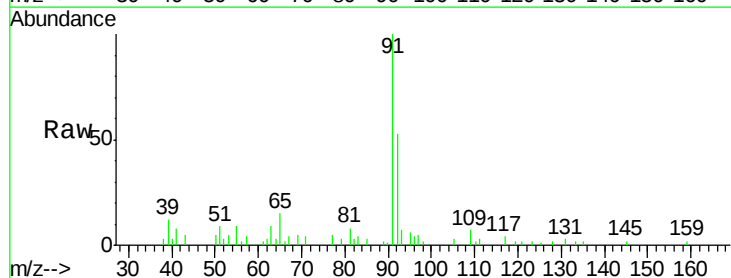
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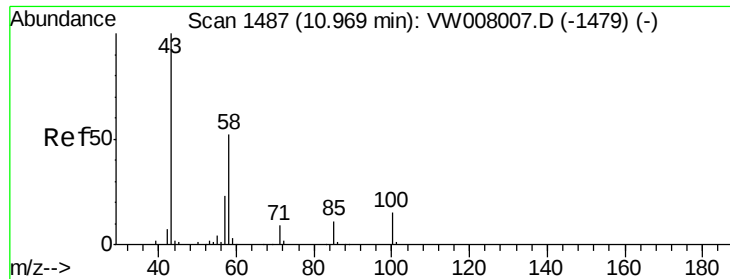
Tot Ion: 98 Resp: 146730
Ion Ratio Lower Upper
98 100
100 64.8 52.9 79.3



#52
Toluene
Concen: 1.866 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW008056.D
Acq: 04 Jan 2019 19:02

Tgt Ion: 92 Resp: 3966
Ion Ratio Lower Upper
92 100
91 169.0 136.9 205.3





#59

2-Hexanone

Concen: 1.102 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008056.D

Acq: 04 Jan 2019 19:02

Instrument :

MSVOA_W

ClientSampleId :

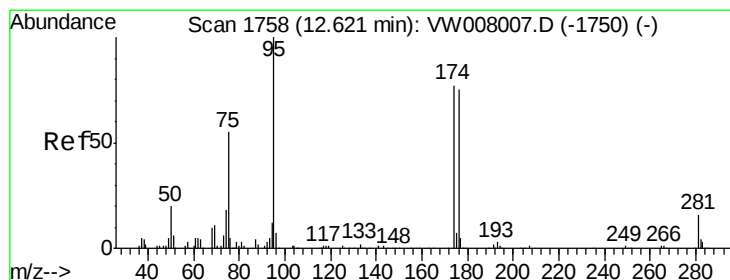
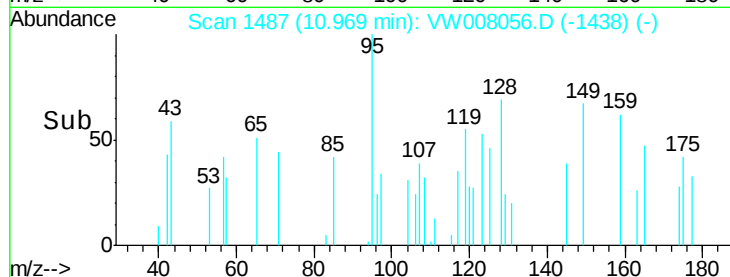
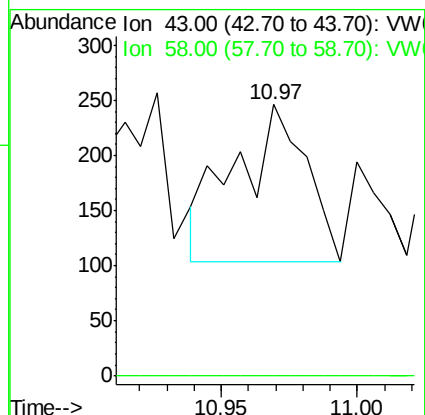
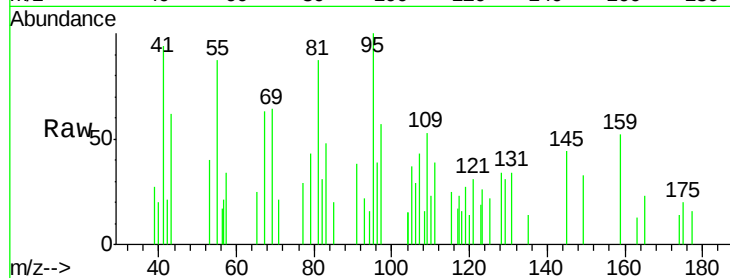
SSSI-0103-S-DH-8A

Tot Ion: 43 Resp: 258

Ion Ratio Lower Upper

43 100

58 0.0 27.1 81.2#



#62

4-Bromofluorobenzene

Concen: 42.941 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008056.D

Acq: 04 Jan 2019 19:02

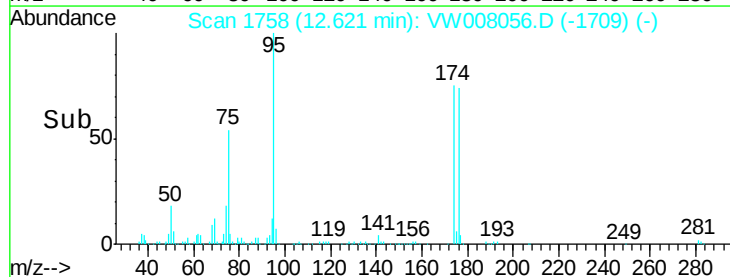
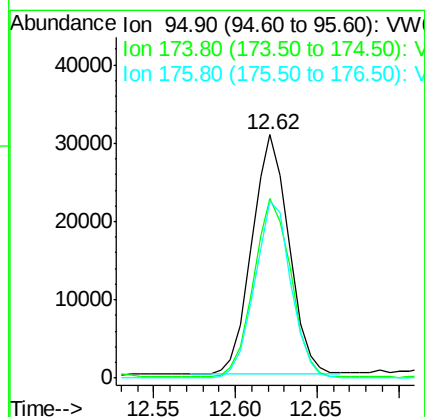
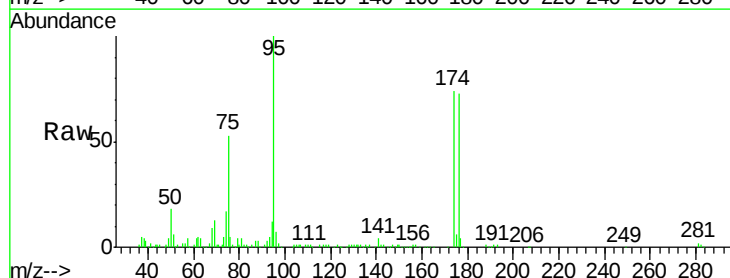
Tgt Ion: 95 Resp: 48181

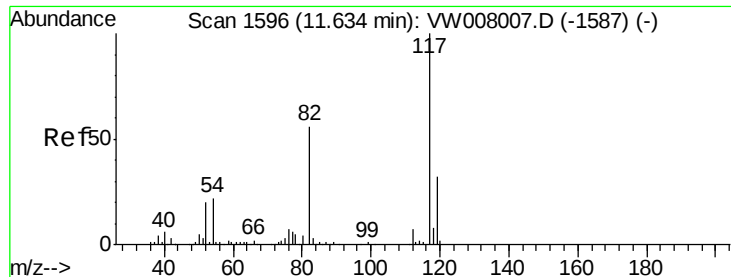
Ion Ratio Lower Upper

95 100

174 75.0 0.0 149.6

176 72.4 0.0 145.4

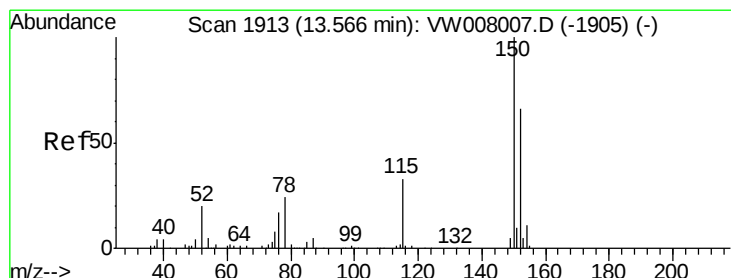
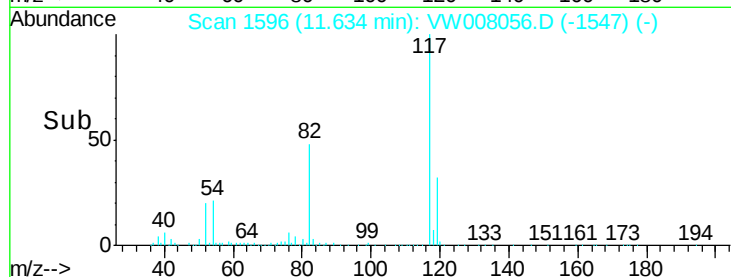
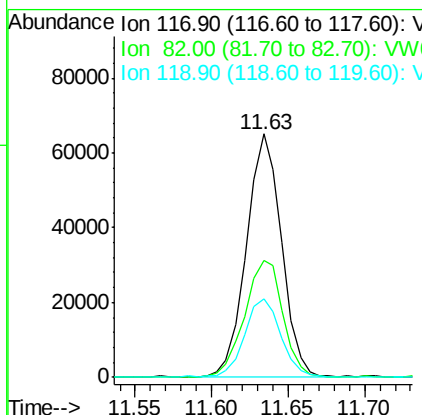
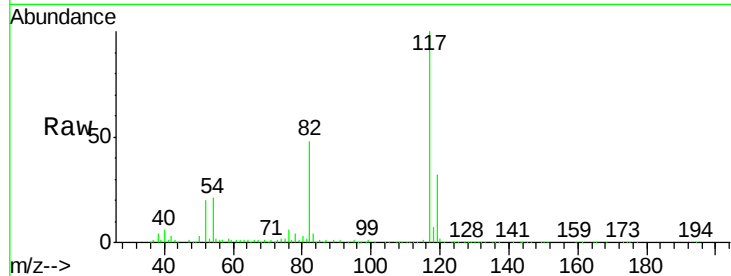




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008056.D
Acq: 04 Jan 2019 19:02

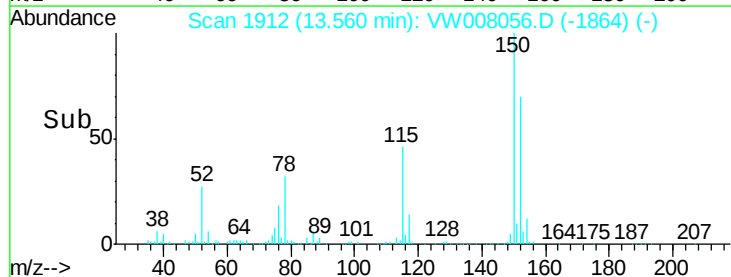
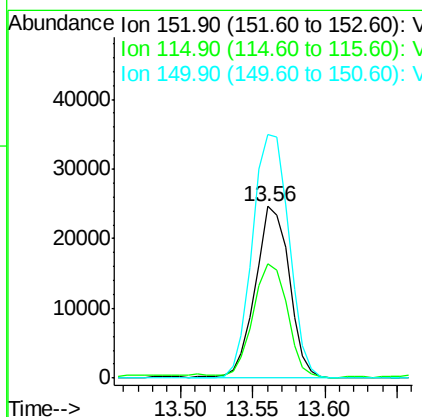
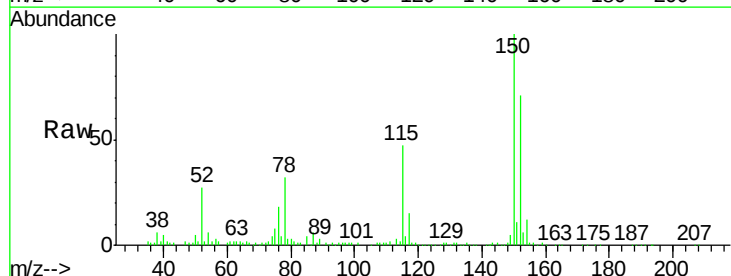
Instrument :
MSVOA_W
ClientSampleId :
SSSI-0103-S-DH-8A

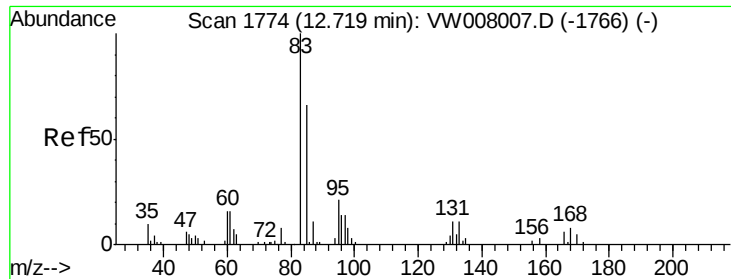
Tot Ion:117 Resp: 102951
Ion Ratio Lower Upper
117 100
82 47.8 44.8 67.2
119 32.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW008056.D
Acq: 04 Jan 2019 19:02

Tgt Ion:152 Resp: 40053
Ion Ratio Lower Upper
152 100
115 67.3 32.1 96.5
150 153.4 0.0 345.0

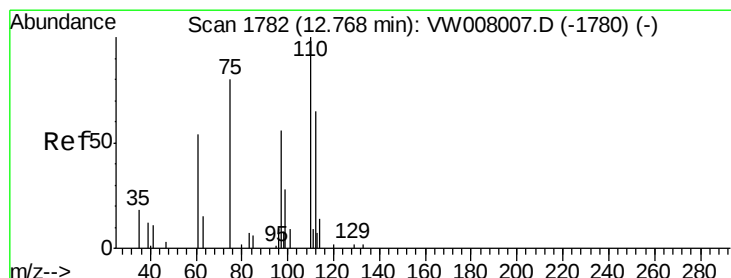
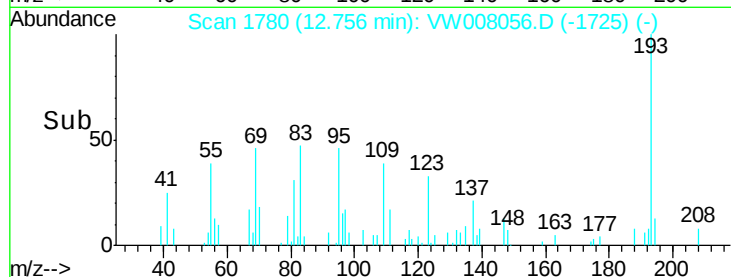
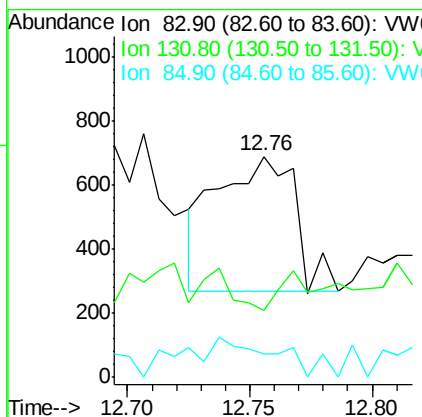
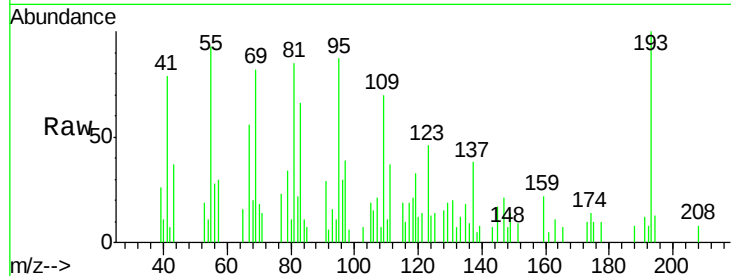




#75
 1,1,2,2-Tetrachloroethane
 Concen: 2.334 ug/l
 RT: 12.76 min Scan# 1780
 Delta R.T. 0.04 min
 Lab File: VW008056.D
 Acq: 04 Jan 2019 19:02

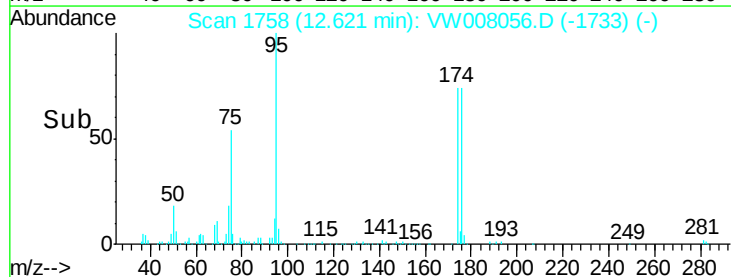
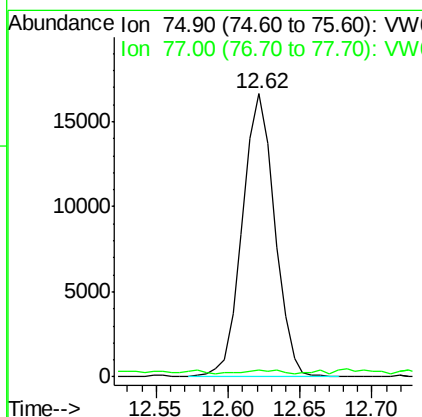
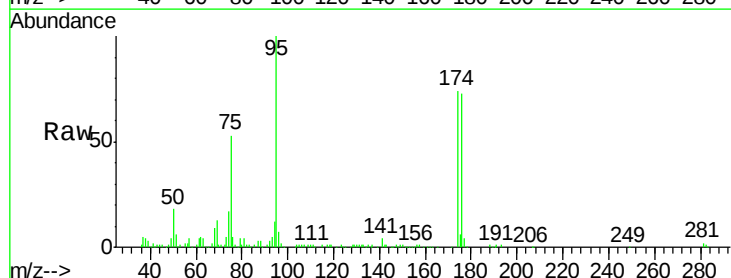
Instrument :
 MSVOA_W
 ClientSampleId :
 SSSI-0103-S-DH-8A

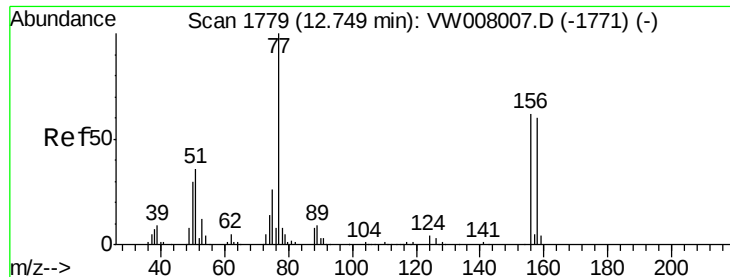
Tot Ion: 83 Resp: 946
 Ion Ratio Lower Upper
 83 100
 131 11.9 6.5 19.5
 85 0.0 32.8 98.3#



#76
 1,2,3-Trichloropropane
 Concen: 81.383 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008056.D
 Acq: 04 Jan 2019 19:02

Tgt Ion: 75 Resp: 25932
 Ion Ratio Lower Upper
 75 100
 77 1.2 186.2 558.6#





#77

Bromobenzene

Concen: 15.343 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.20 min

Lab File: VW008056.D

Acq: 04 Jan 2019 19:02

Instrument :

MSVOA_W

ClientSampleId :

SSSI-0103-S-DH-8A

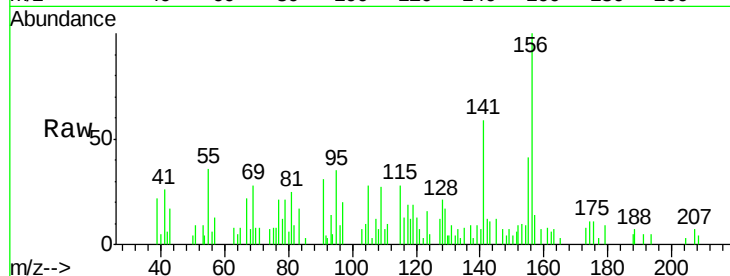
Tot Ion:156 Resp: 10503

Ion Ratio Lower Upper

156 100

77 2.2 87.9 263.8#

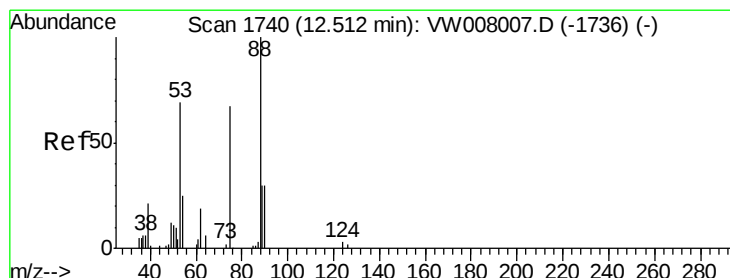
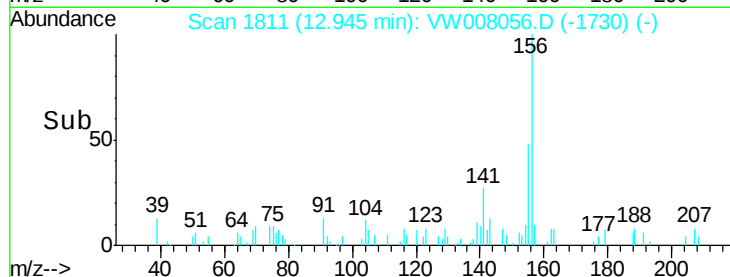
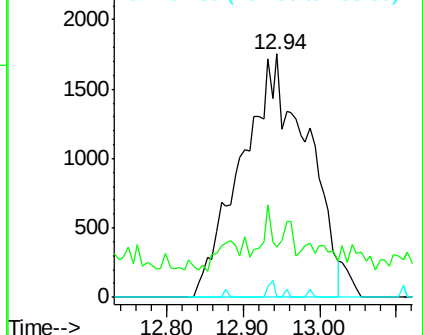
158 0.7 47.8 143.4#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 192.458 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008056.D

Acq: 04 Jan 2019 19:02

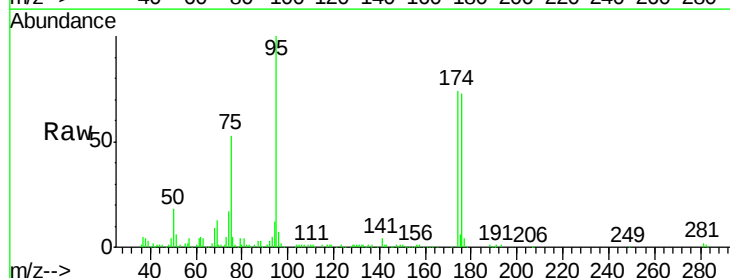
Tgt Ion: 75 Resp: 25932

Ion Ratio Lower Upper

75 100

53 0.2 87.6 131.4#

89 0.2 42.2 63.2#



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

