

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030819\
 Data File : VW009072.D
 Acq On : 08 Mar 2019 23:05
 Operator : SY/VA
 Sample : K1785-05
 Misc : 5.82G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0

Quant Time: Mar 09 01:22:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	279995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	444078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	406498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	191588	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	169122	60.04	ug/l	0.00
Spiked Amount			Recovery	=	120.08%	
35) Dibromofluoromethane	7.88	113	138633	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
50) Toluene-d8	10.32	98	536375	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	12.62	95	183609	42.47	ug/l	0.00
Spiked Amount			Recovery	=	84.94%	

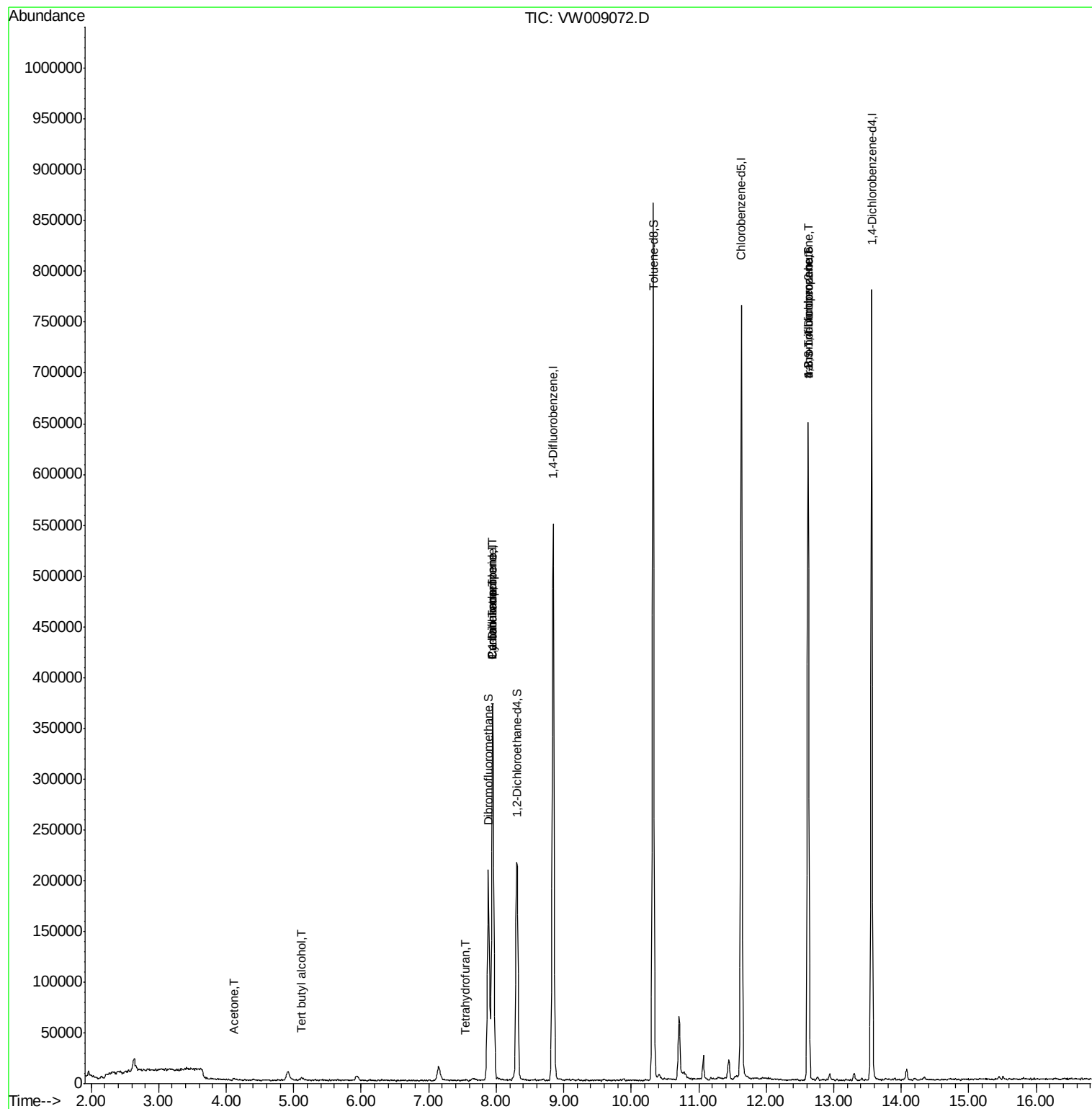
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	1181	5.471	ug/l #	72
16) Acetone	4.12	43	1234	1.941	ug/l #	77
20) Methylene Chloride	4.92	84	6349	Below Cal	#	77
29) Tetrahydrofuran	7.54	42	962	1.738	ug/l #	70
31) Cyclohexane	7.95	56	7440	1.416	ug/l #	43
36) 1,1-Dichloropropene	7.95	75	21578	4.647	ug/l #	49
38) Carbon Tetrachloride	7.95	117	26627	5.553	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	99849	65.963	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	99849	147.543	ug/l #	5

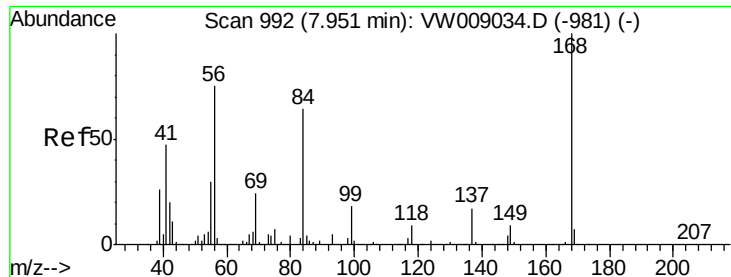
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW009072.D

Acq: 08 Mar 2019 23:05

Instrument :

MSVOA_W

ClientSampleId :

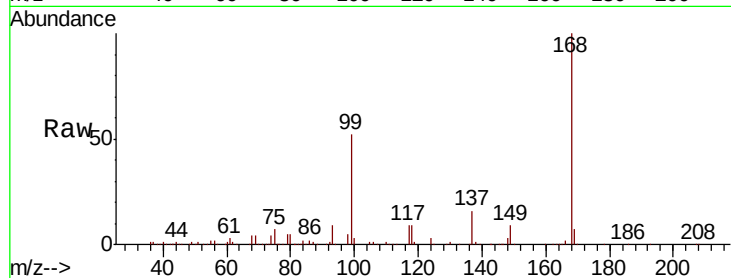
SD2-0.5-1.0

Tot Ion:168 Resp: 279995

Ion Ratio Lower Upper

168 100

99 52.1 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

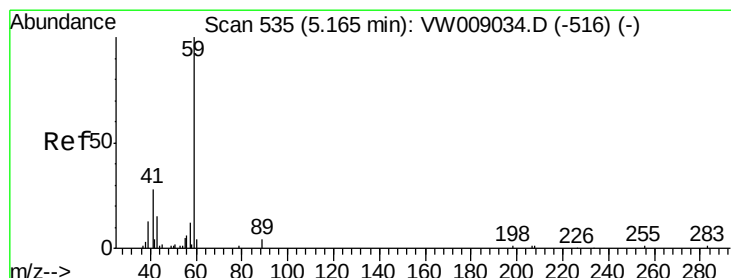
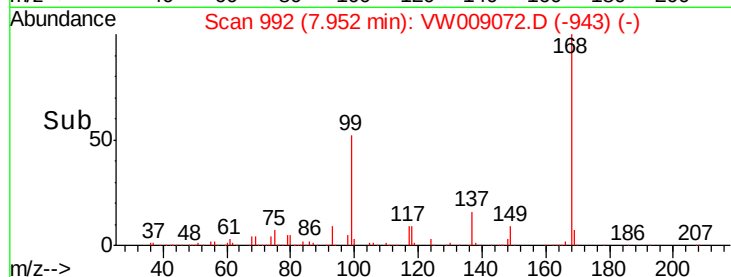
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.471 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW009072.D

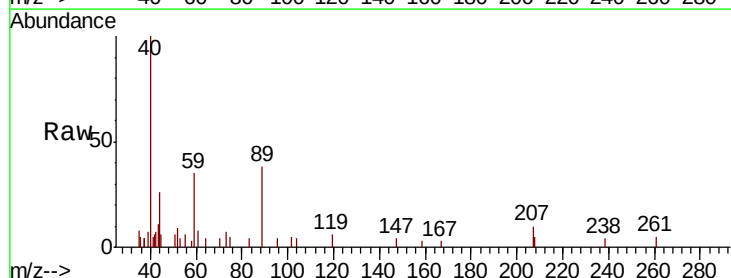
Acq: 08 Mar 2019 23:05

Tgt Ion: 59 Resp: 1181

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

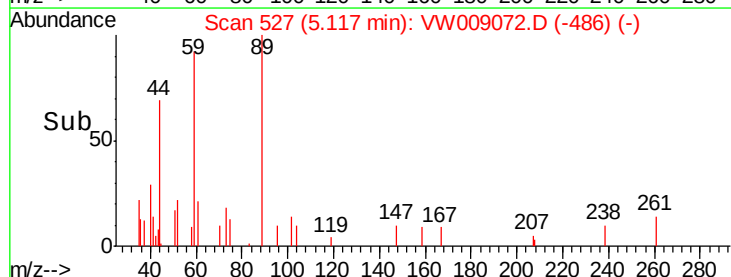
600

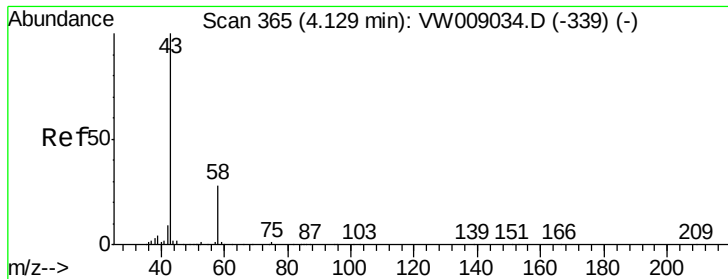
400

200

0

Time-->





#16

Acetone

Concen: 1.941 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW009072.D

Acq: 08 Mar 2019 23:05

Instrument :

MSVOA_W

ClientSampleId :

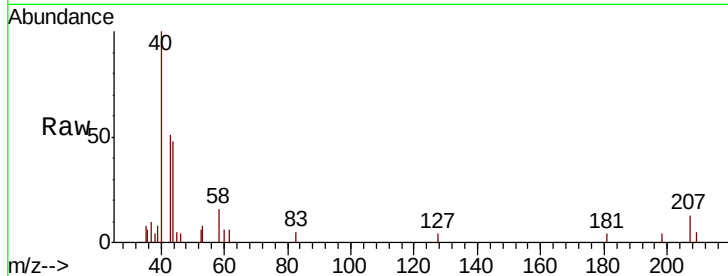
SD2-0.5-1.0

Tot Ion: 43 Resp: 1234

Ion Ratio Lower Upper

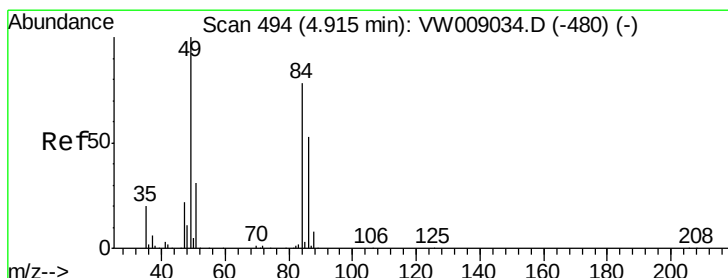
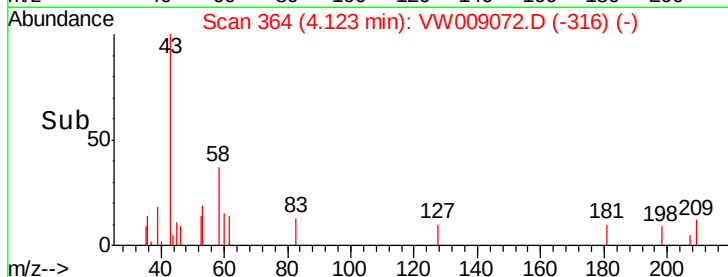
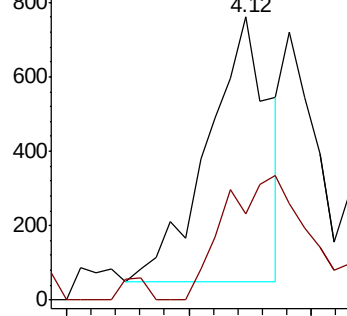
43 100

58 15.9 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009072.D

Acq: 08 Mar 2019 23:05

Tgt Ion: 84 Resp: 6349

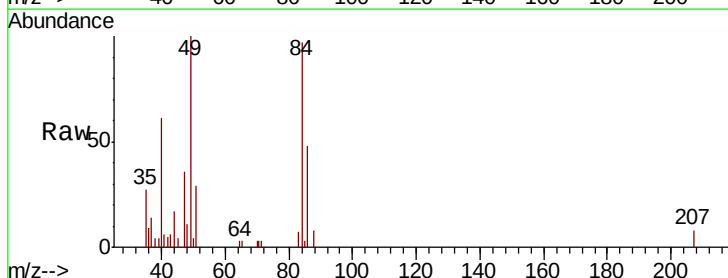
Ion Ratio Lower Upper

84 100

49 100.0 102.4 153.6#

51 29.4 31.6 47.4#

86 49.0 54.5 81.7#

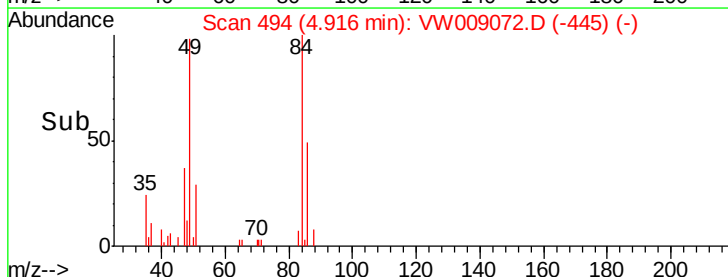
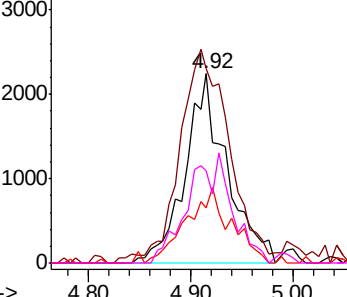


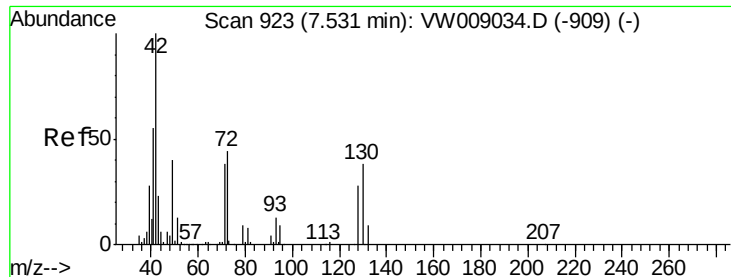
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#29

Tetrahydrofuran

Concen: 1.738 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW009072.D

Acq: 08 Mar 2019 23:05

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0

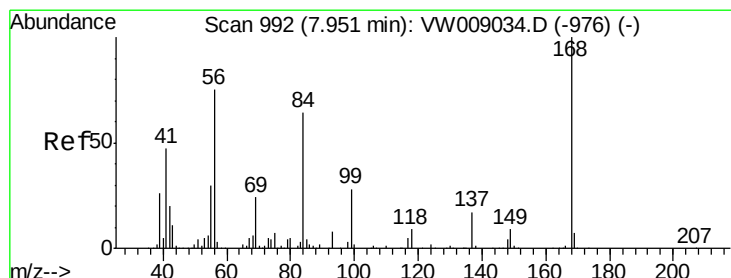
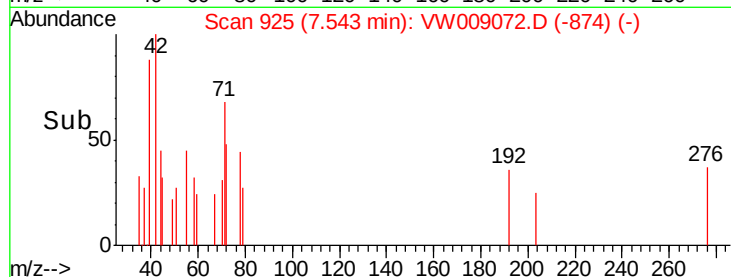
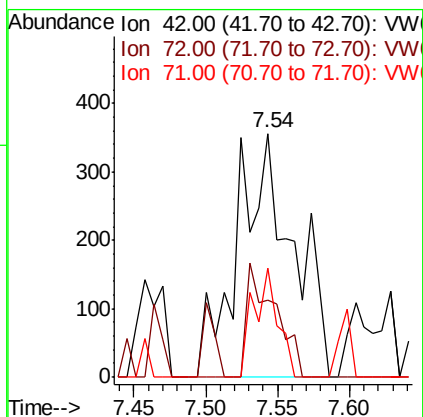
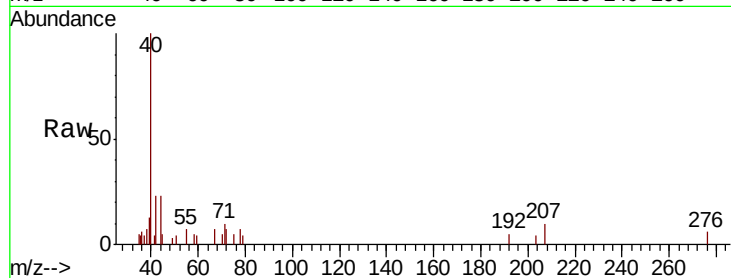
Tot Ion: 42 Resp: 962

Ion Ratio Lower Upper

42 100

72 23.2 32.2 48.4#

71 19.0 30.7 46.1#



#31

Cyclohexane

Concen: 1.416 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009072.D

Acq: 08 Mar 2019 23:05

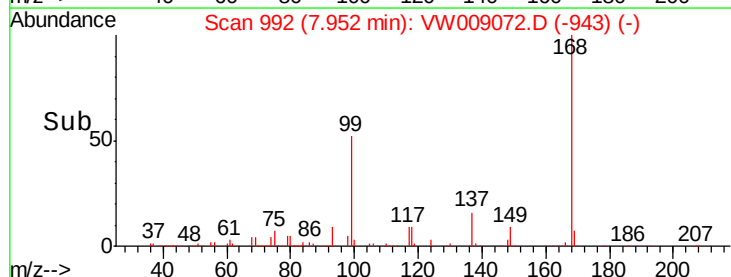
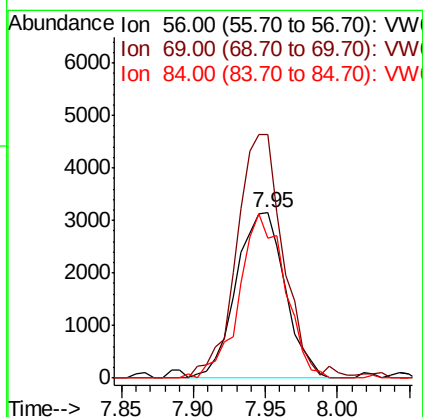
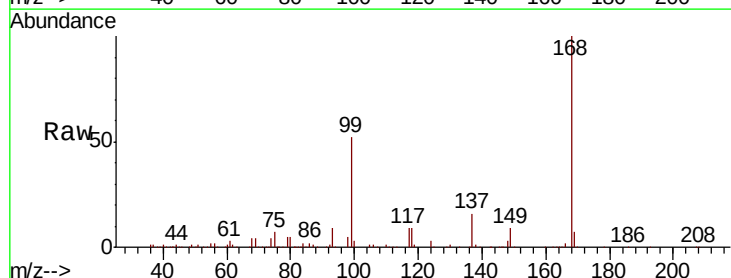
Tgt Ion: 56 Resp: 7440

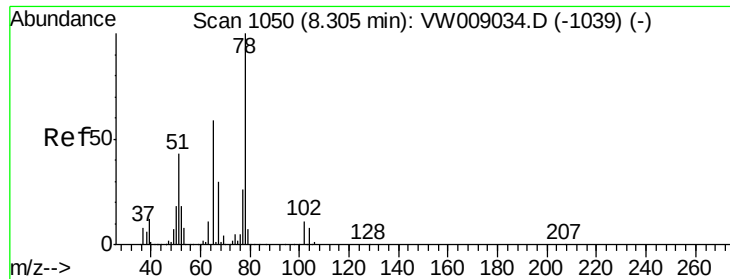
Ion Ratio Lower Upper

56 100

69 147.2 25.5 38.3#

84 84.8 68.6 103.0

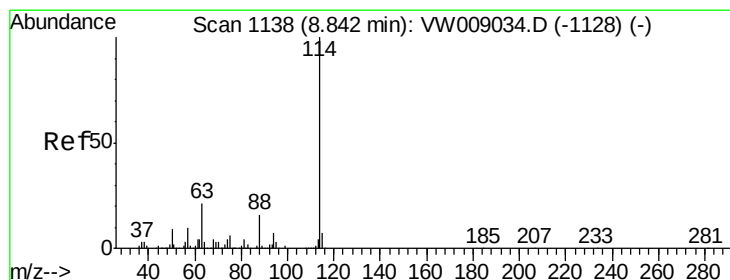
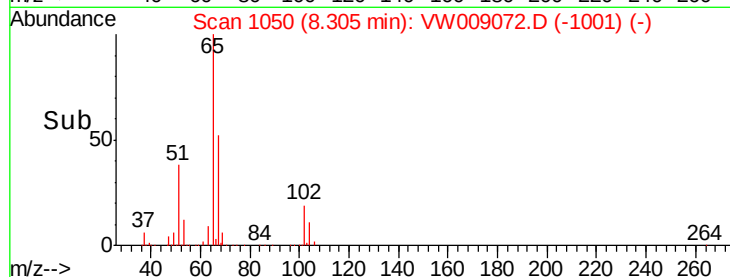
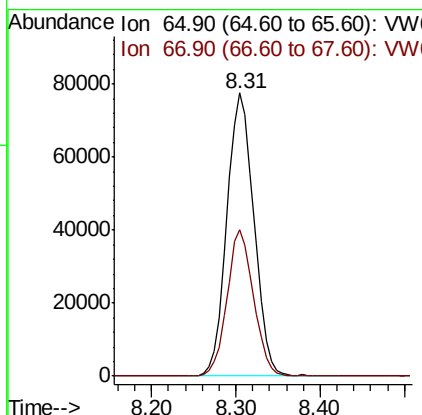
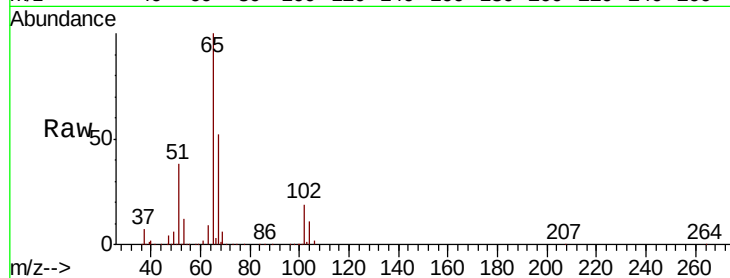




#33
 1,2-Dichloroethane-d4
 Concen: 60.036 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009072.D
 Acq: 08 Mar 2019 23:05

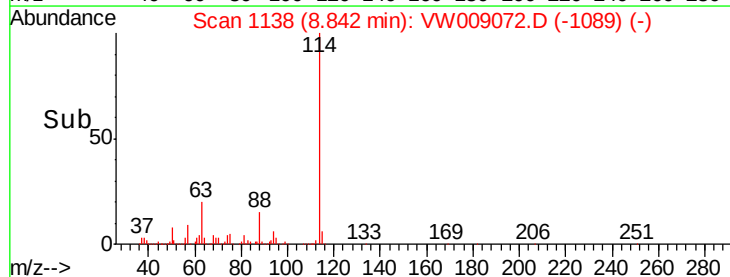
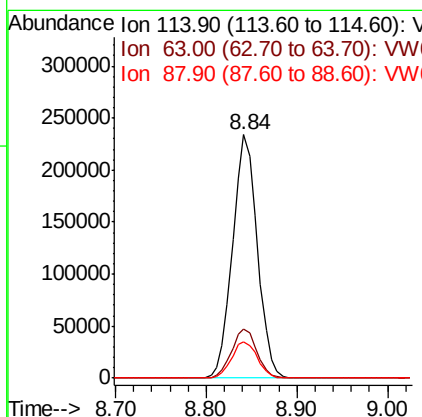
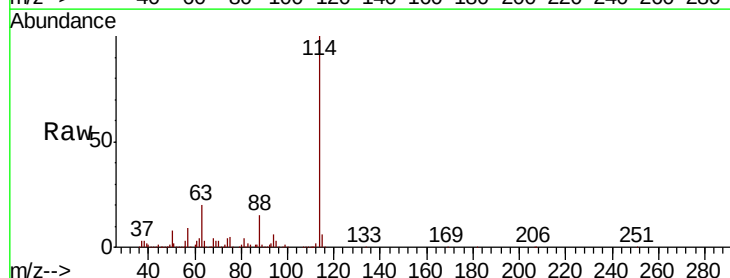
Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0

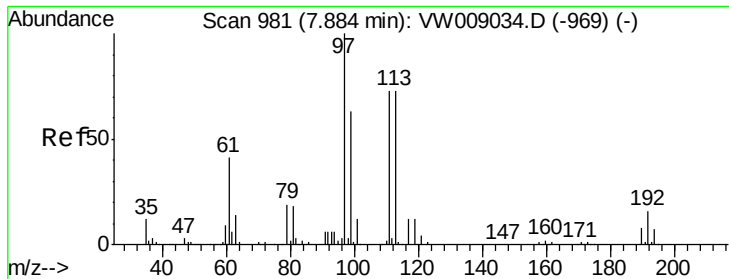
Tot Ion: 65 Resp: 169122
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009072.D
 Acq: 08 Mar 2019 23:05

Tgt Ion: 114 Resp: 444078
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.2
 88 14.7 0.0 31.2

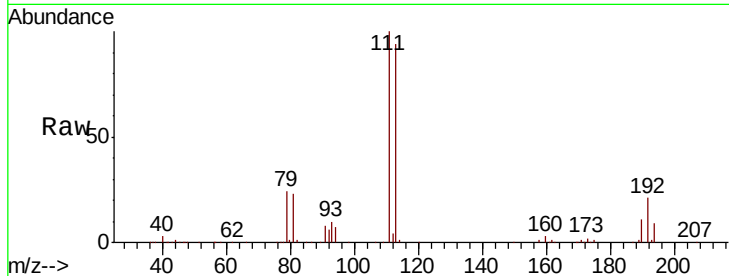




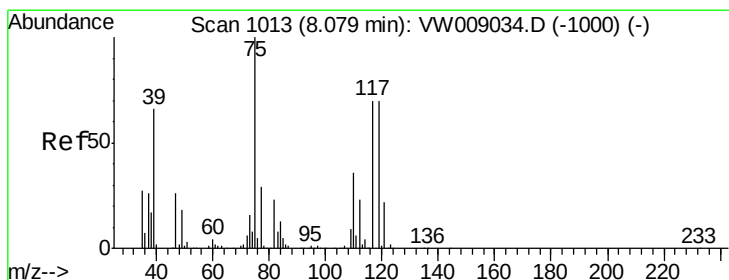
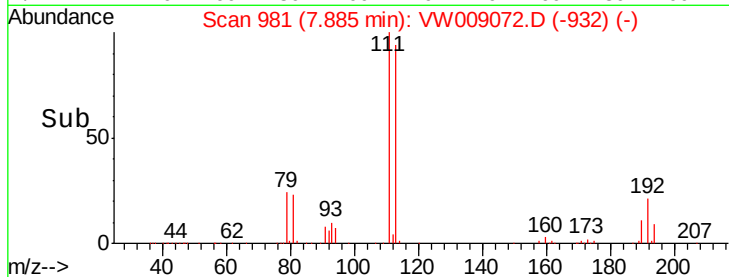
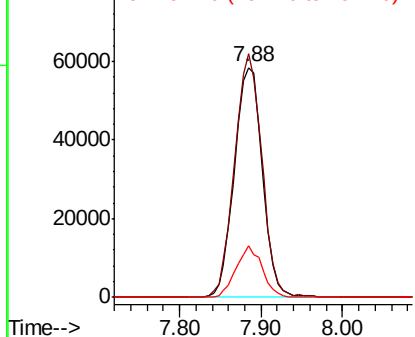
#35
 Dibromofluoromethane
 Concen: 51.850 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009072.D
 Acq: 08 Mar 2019 23:05

Instrument :
 MSVOA_W
 ClientSampled :
 SD2-0.5-1.0

Tot Ion:113 Resp: 138633
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.0 121.4
 192 20.9 17.1 25.7

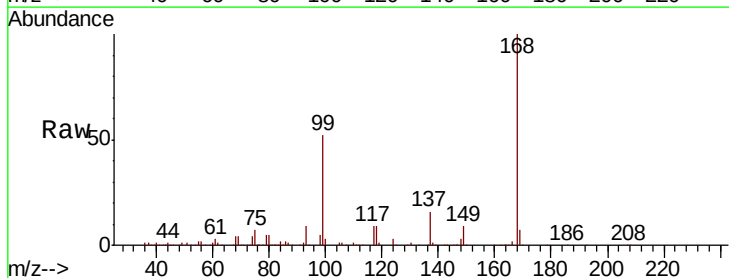


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

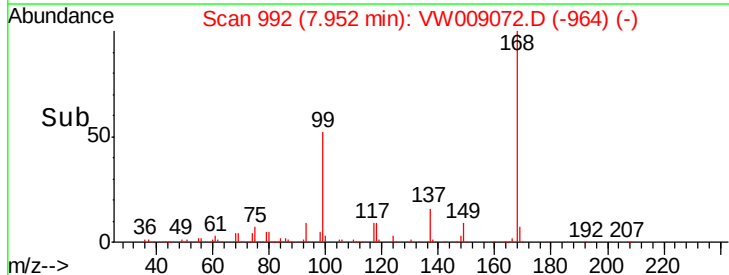
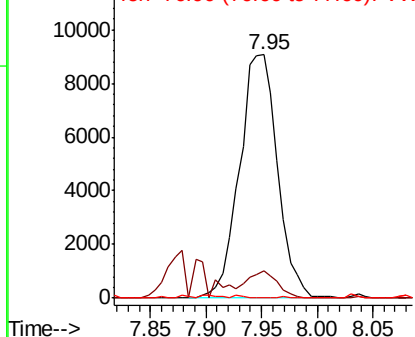


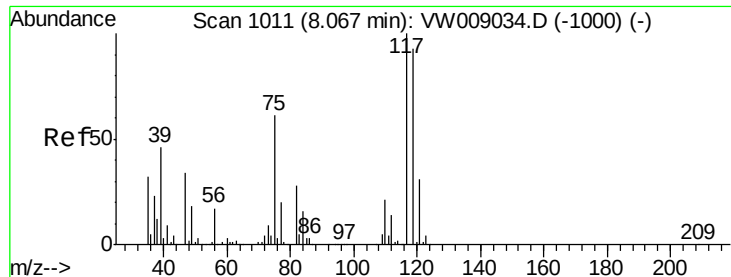
#36
 1,1-Dichloropropene
 Concen: 4.647 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW009072.D
 Acq: 08 Mar 2019 23:05

Tgt Ion: 75 Resp: 21578
 Ion Ratio Lower Upper
 75 100
 110 8.9 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: 5.553 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW009072.D

Acq: 08 Mar 2019 23:05

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0

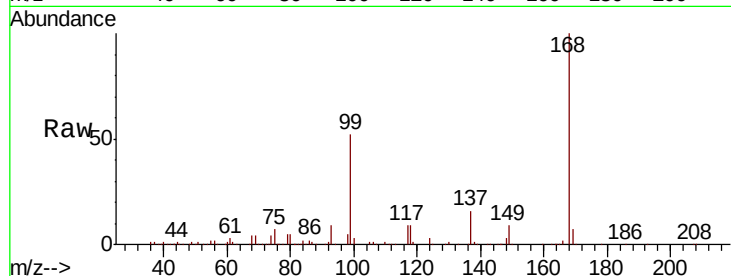
Tot Ion:117 Resp: 26627

Ion Ratio Lower Upper

117 100

119 7.4 74.6 112.0#

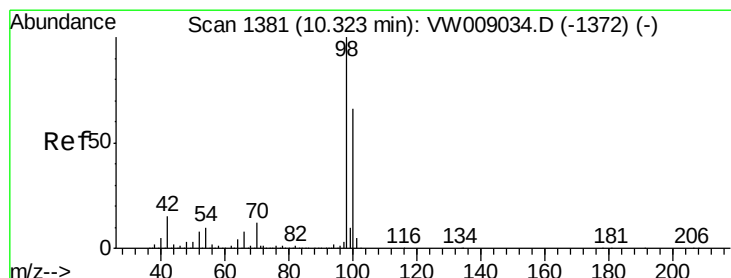
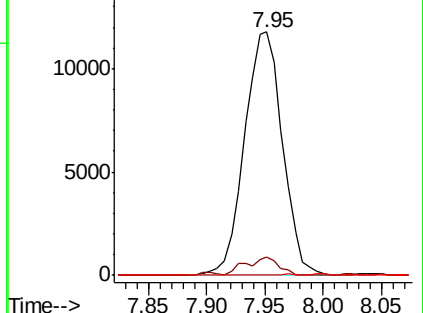
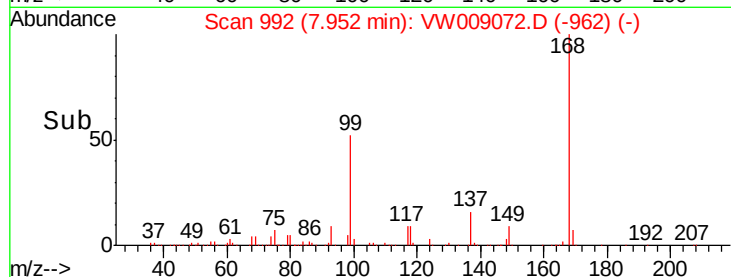
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 48.844 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009072.D

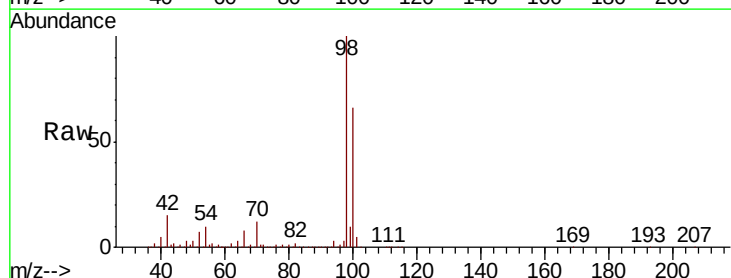
Acq: 08 Mar 2019 23:05

Tgt Ion: 98 Resp: 536375

Ion Ratio Lower Upper

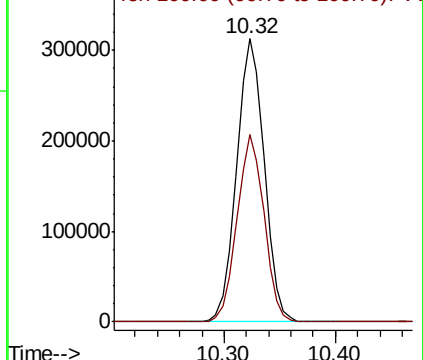
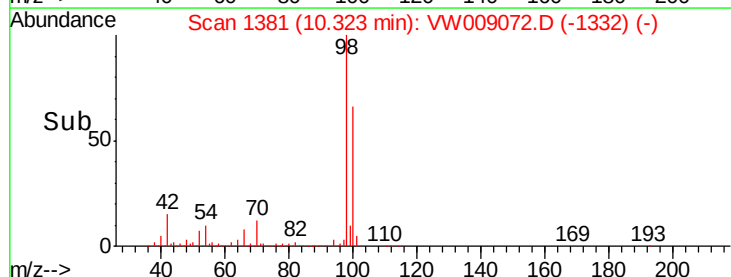
98 100

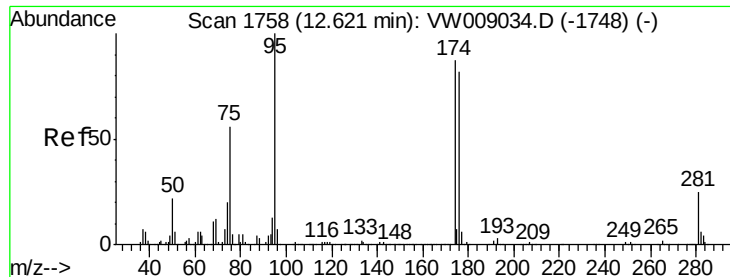
100 65.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 42.473 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009072.D

Acq: 08 Mar 2019 23:05

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0

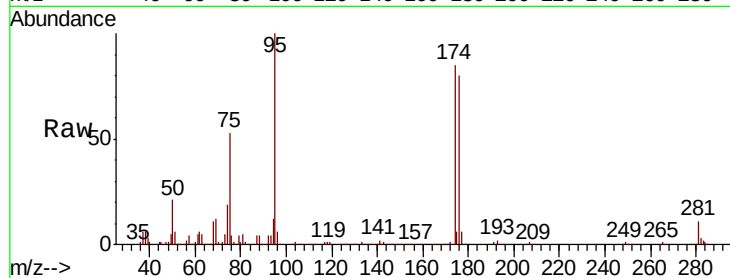
Tot Ion: 95 Resp: 183609

Ion Ratio Lower Upper

95 100

174 86.9 0.0 167.0

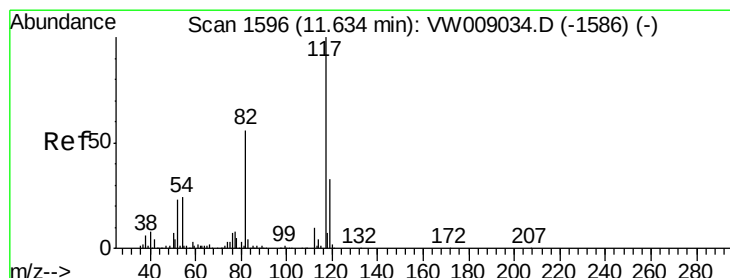
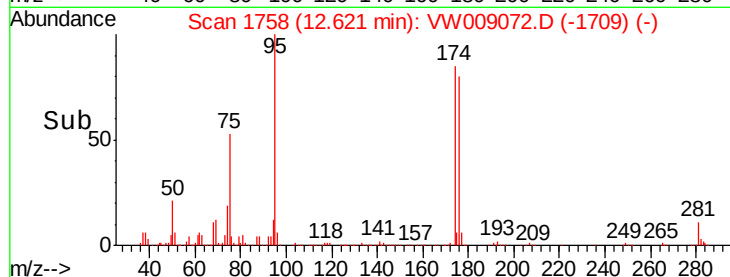
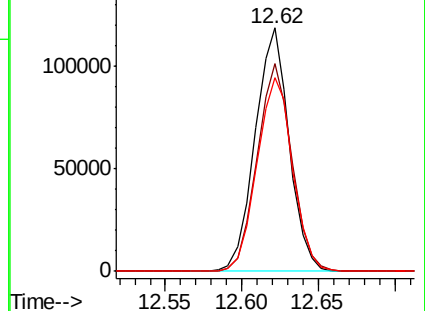
176 83.5 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW009072.D

Acq: 08 Mar 2019 23:05

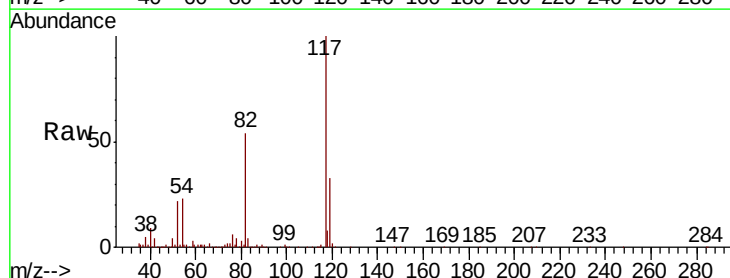
Tgt Ion: 117 Resp: 406498

Ion Ratio Lower Upper

117 100

82 54.4 45.0 67.6

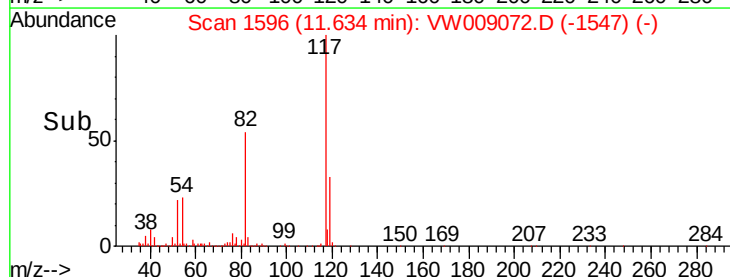
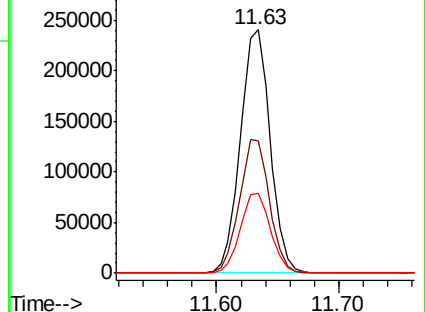
119 32.6 26.6 39.8

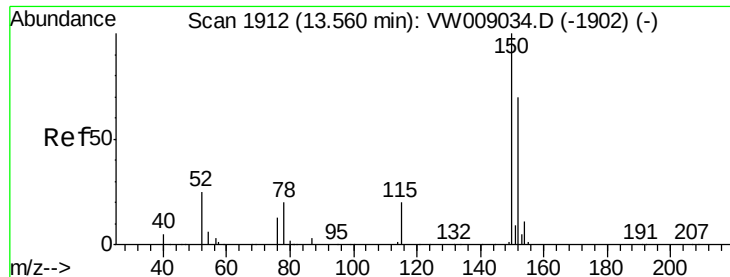


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

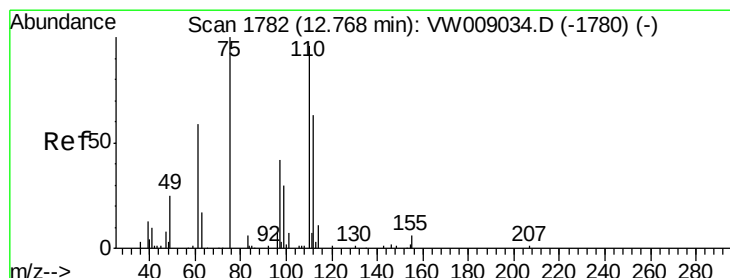
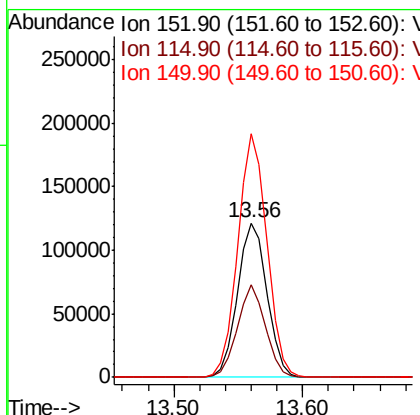
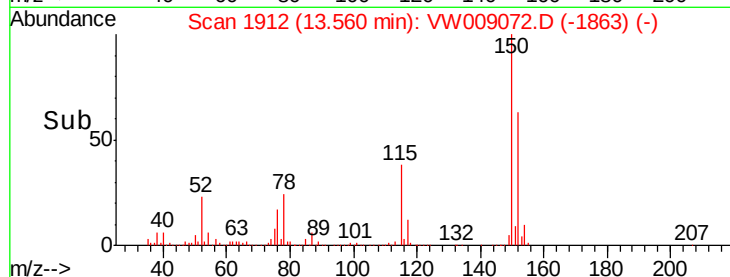
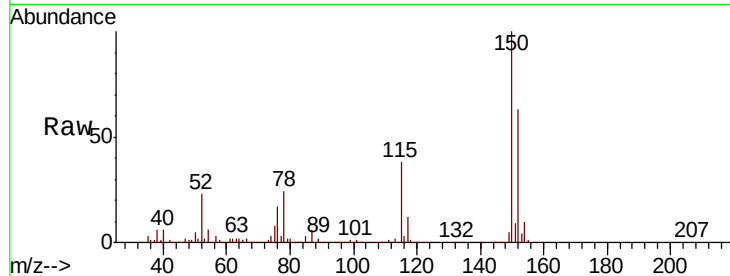




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW009072.D
 Acq: 08 Mar 2019 23:05

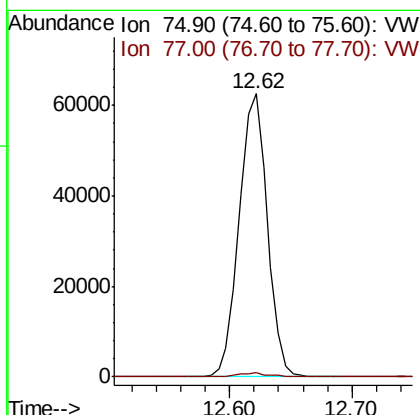
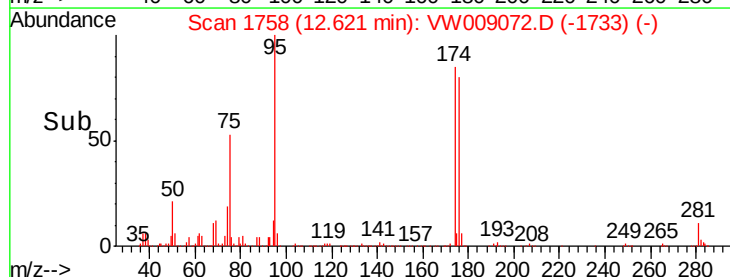
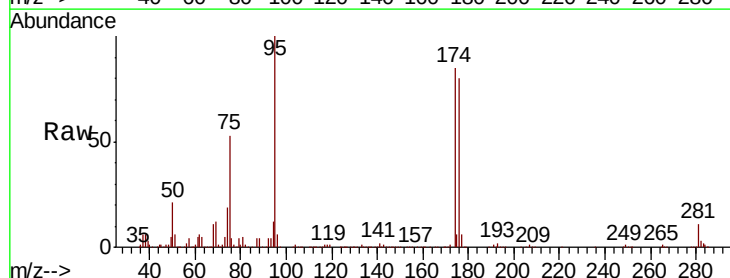
Instrument :
 MSVOA_W
 ClientSampled :
 SD2-0.5-1.0

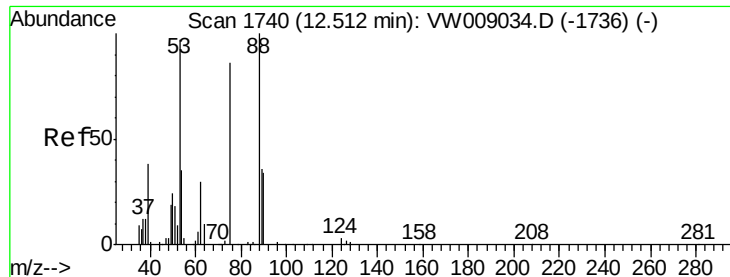
Tot Ion:152 Resp: 191588
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.9 86.7
 150 155.7 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 65.963 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW009072.D
 Acq: 08 Mar 2019 23:05

Tgt Ion: 75 Resp: 99849
 Ion Ratio Lower Upper
 75 100
 77 1.4 186.7 560.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 147.543 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009072.D

Acq: 08 Mar 2019 23:05

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0

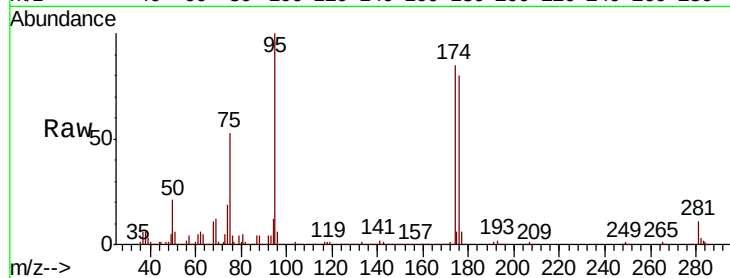
Tot Ion: 75 Resp: 99849

Ion Ratio Lower Upper

75 100

53 0.2 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

