

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112218\
 Data File : VW007003.D
 Acq On : 21 Nov 2018 16:43
 Operator : VAY/AP
 Sample : J5999-11
 Misc : 6.93G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 22 04:37:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	88085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	140518	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	130888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60090	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	45782	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
35) Dibromofluoromethane	7.88	113	41345	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
50) Toluene-d8	10.33	98	166914	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
62) 4-Bromofluorobenzene	12.62	95	62720	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	

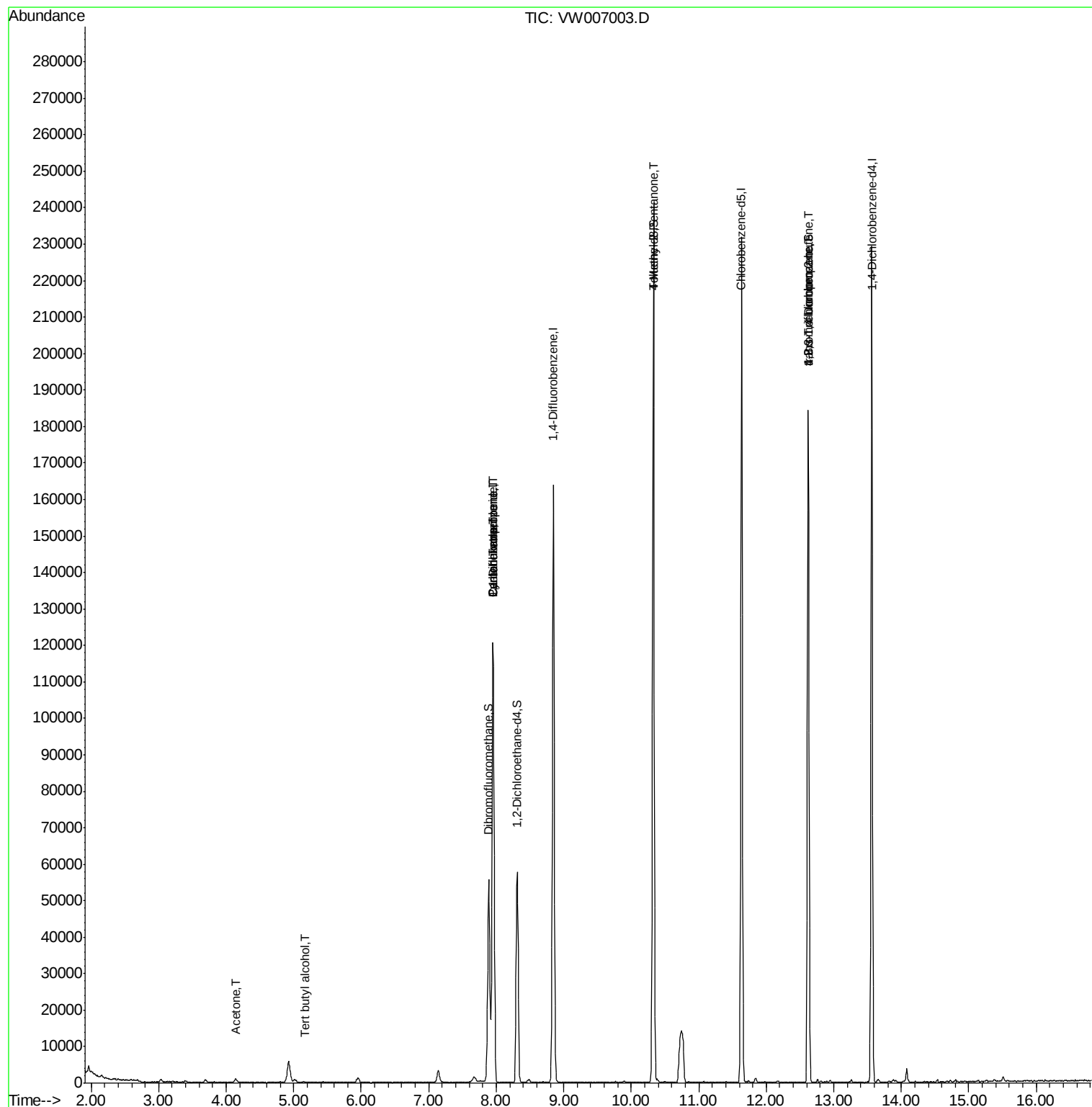
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	126	2.244	ug/l #	71
16) Acetone	4.14	43	1758	14.041	ug/l	95
20) Methylene Chloride	4.92	84	4487	Below Cal		92
31) Cyclohexane	7.95	56	1833	1.104	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	6967	5.074	ug/l #	49
38) Carbon Tetrachloride	7.96	117	9256	7.039	ug/l #	18
51) 4-Methyl-2-Pentanone	10.33	43	714	1.490	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	30459	64.507	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	30459	161.950	ug/l #	10

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

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QLast Update : Wed Nov 21 03:23:02 2018
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: VW007003.D

Acq: 21 Nov 2018 16:43

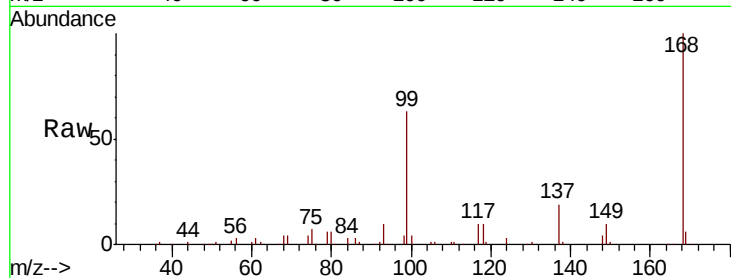
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 88085

Ion Ratio Lower Upper

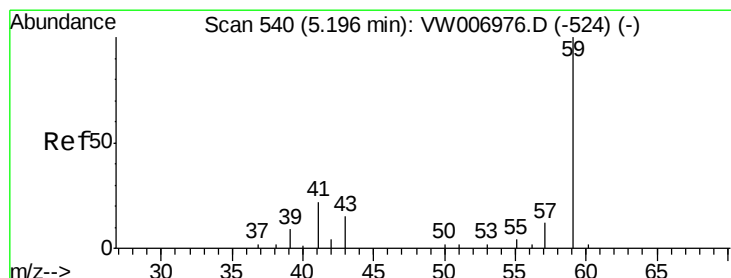
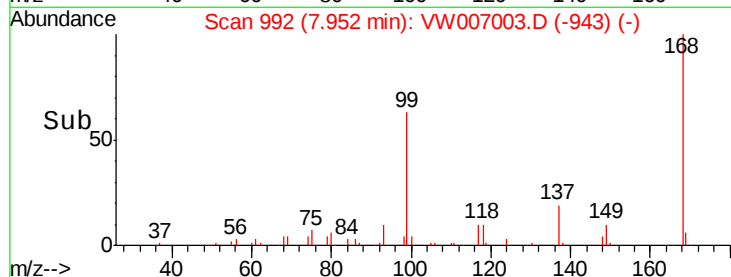
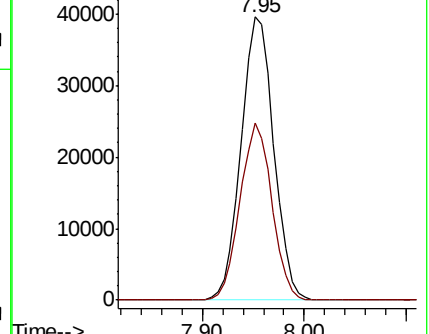
168 100

99 62.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.244 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.02 min

Lab File: VW007003.D

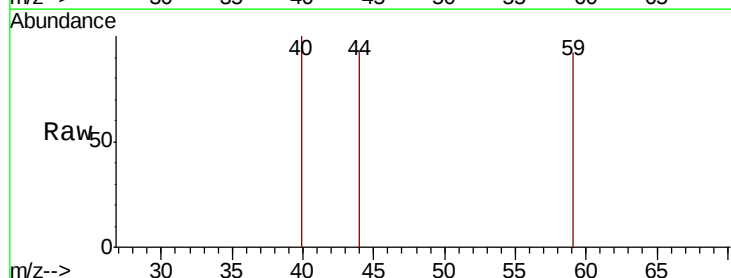
Acq: 21 Nov 2018 16:43

Tgt Ion: 59 Resp: 126

Ion Ratio Lower Upper

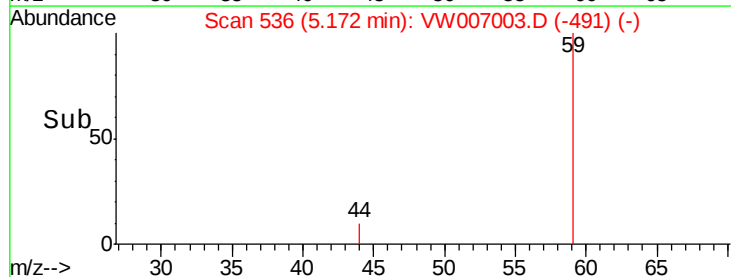
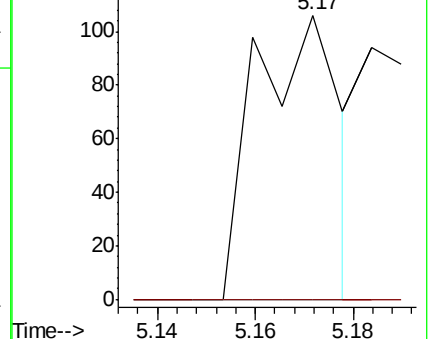
59 100

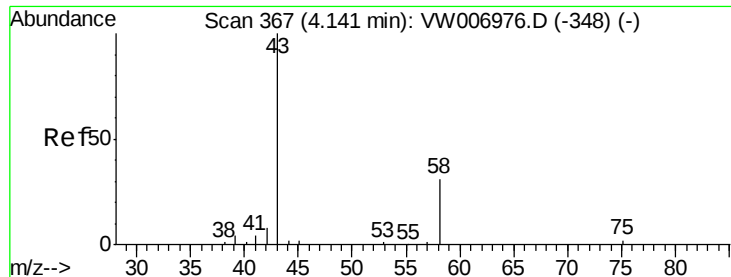
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 14.041 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW007003.D

Acq: 21 Nov 2018 16:43

Instrument :

MSVOA_W

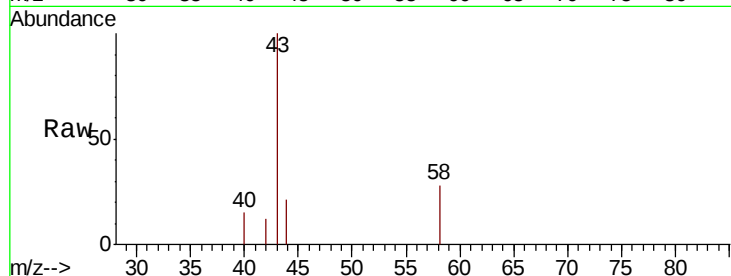
ClientSampleId :

Tot Ion: 43 Resp: 1758

Ion Ratio Lower Upper

43 100

58 28.4 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

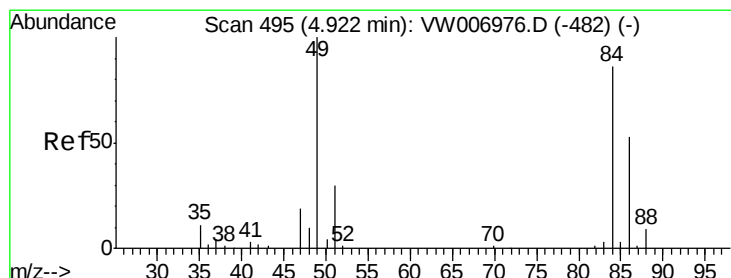
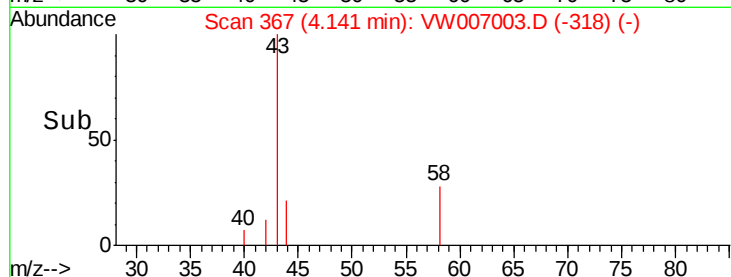
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW007003.D

Acq: 21 Nov 2018 16:43

Tgt Ion: 84 Resp: 4487

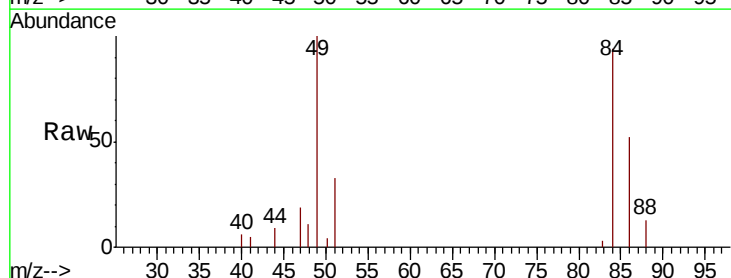
Ion Ratio Lower Upper

84 100

49 105.9 93.4 140.0

51 35.0 28.4 42.6

86 54.6 49.8 74.8



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

2500

2000

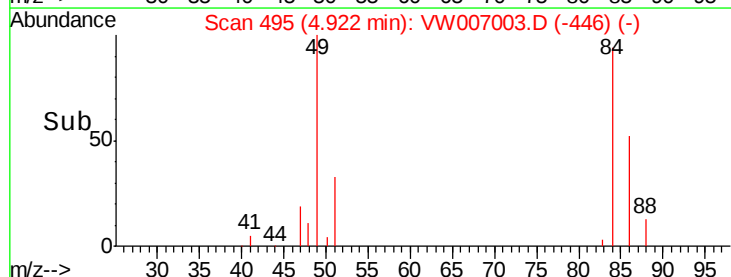
1500

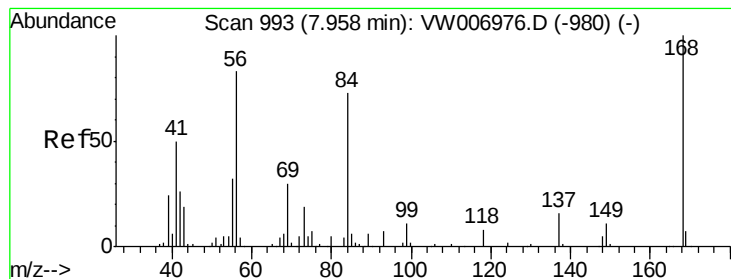
1000

500

0

Time-->





#31

Cyclohexane

Concen: 1.104 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW007003.D

Acq: 21 Nov 2018 16:43

Instrument :

MSVOA_W

ClientSampled :

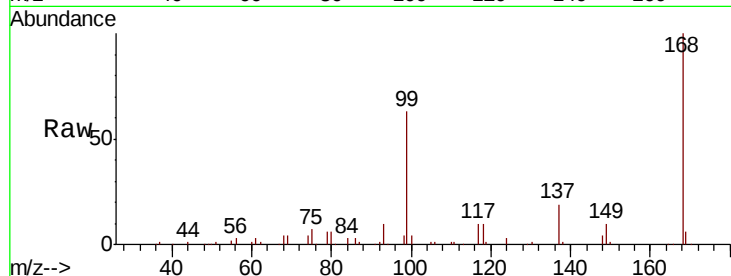
Tot Ion: 56 Resp: 1833

Ion Ratio Lower Upper

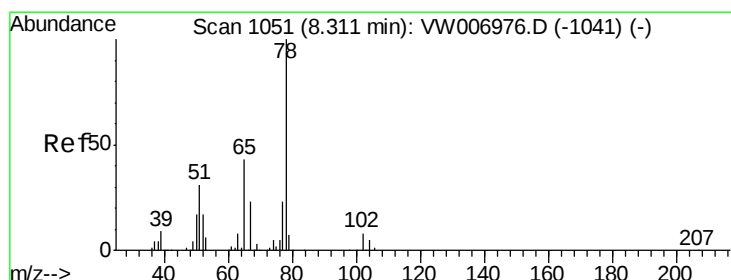
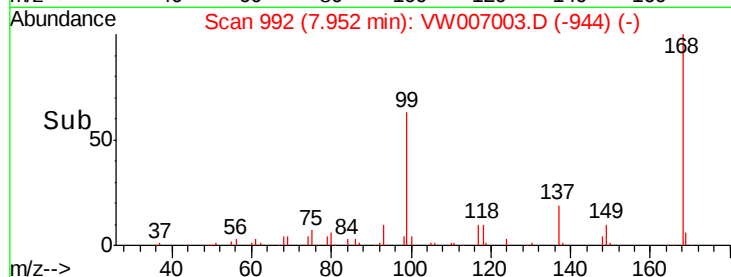
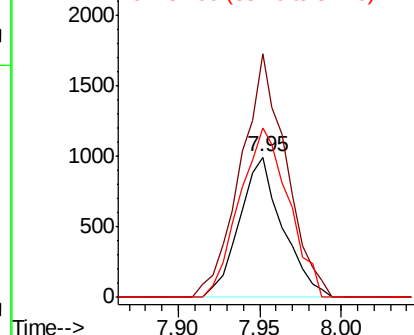
56 100

69 173.8 29.1 43.7#

84 120.8 70.6 105.8#



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: 53.089 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW007003.D

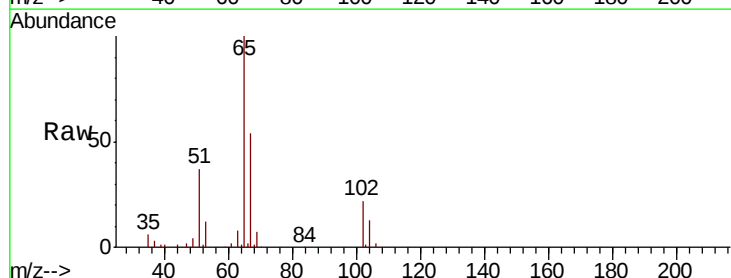
Acq: 21 Nov 2018 16:43

Tgt Ion: 65 Resp: 45782

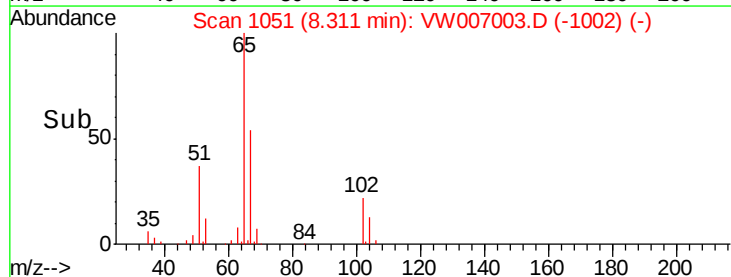
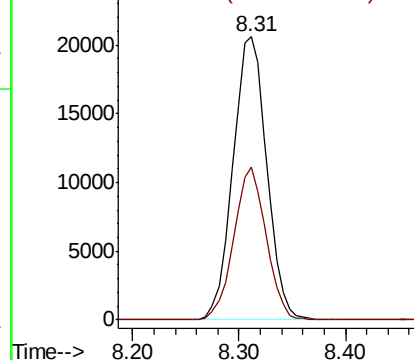
Ion Ratio Lower Upper

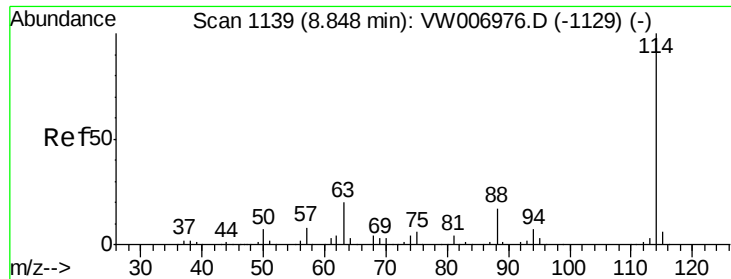
65 100

67 51.6 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

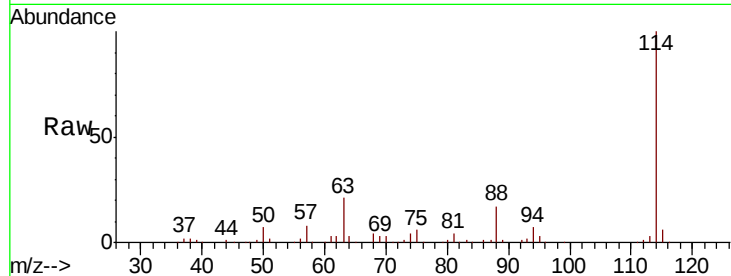




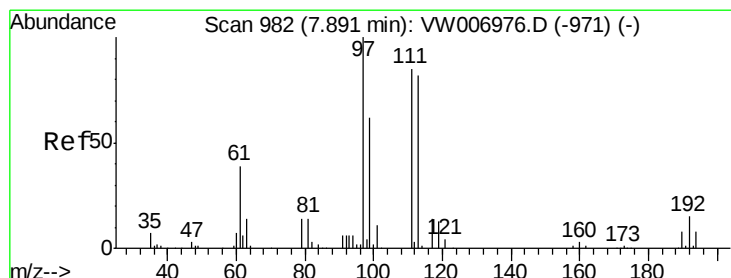
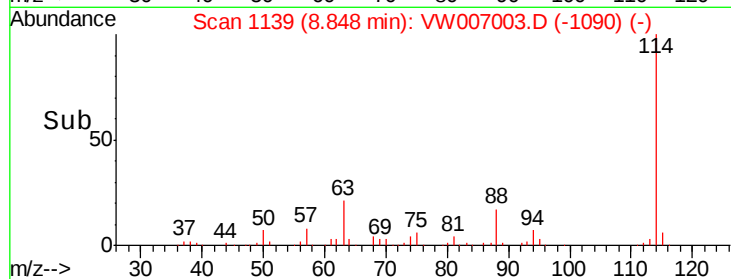
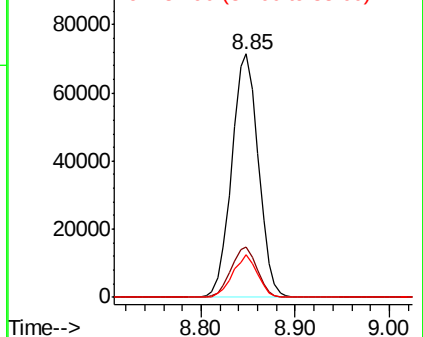
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VW007003.D
Acq: 21 Nov 2018 16:43

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:114 Resp: 140518
Ion Ratio Lower Upper
114 100
63 20.6 0.0 39.4
88 17.5 0.0 34.2

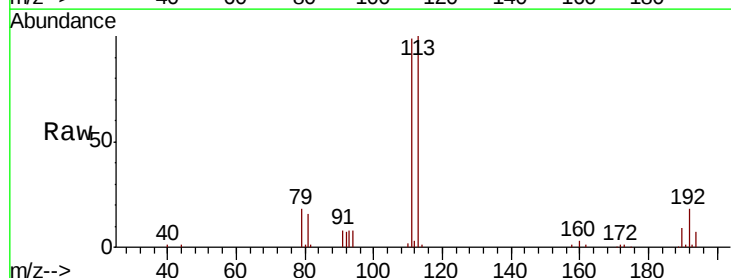


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

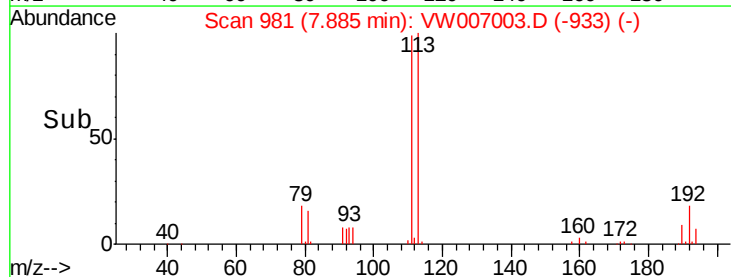
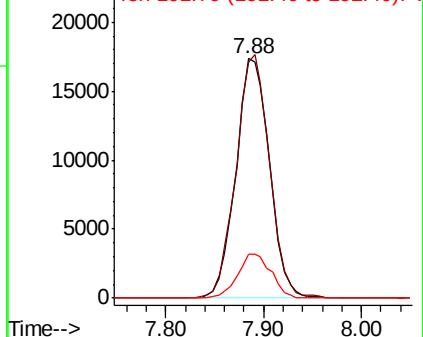


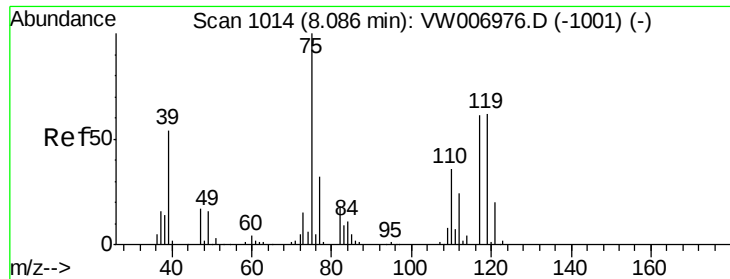
#35
Dibromofluoromethane
Concen: 52.102 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.01 min
Lab File: VW007003.D
Acq: 21 Nov 2018 16:43

Tgt Ion:113 Resp: 41345
Ion Ratio Lower Upper
113 100
111 101.1 81.0 121.6
192 18.4 15.0 22.6



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

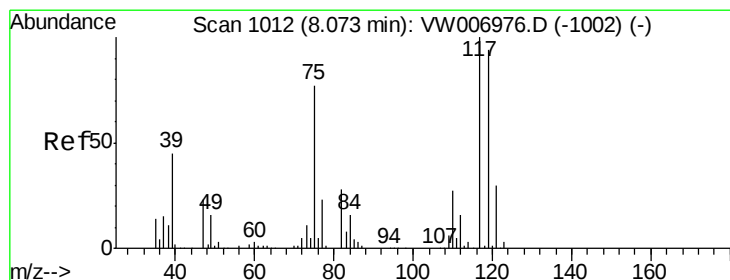
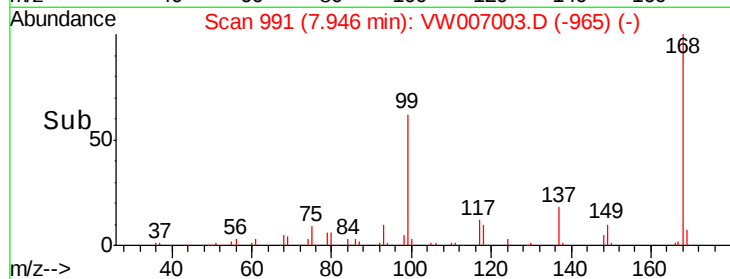
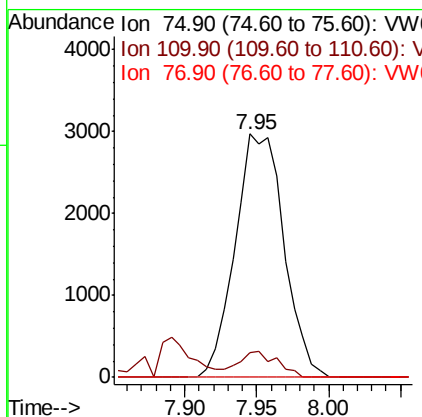
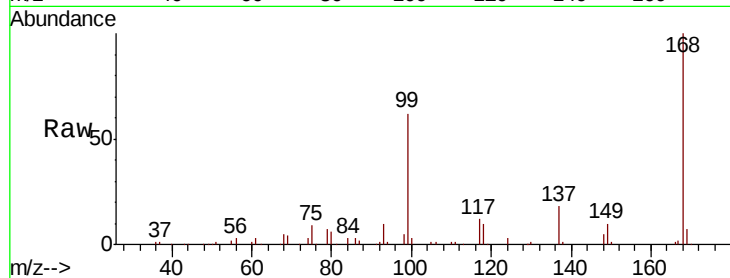




#36
 1,1-Dichloropropene
 Concen: 5.074 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW007003.D
 Acq: 21 Nov 2018 16:43

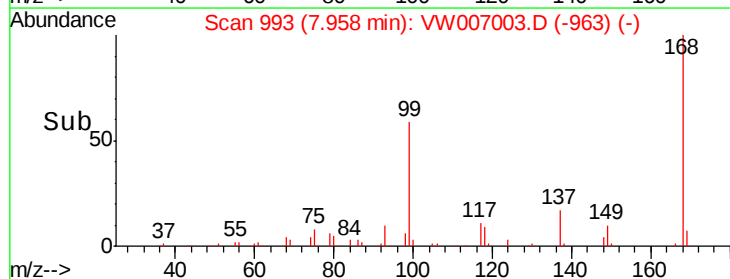
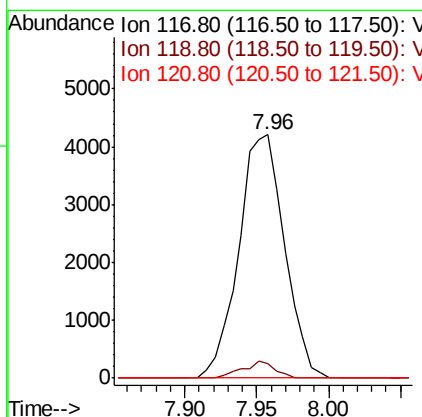
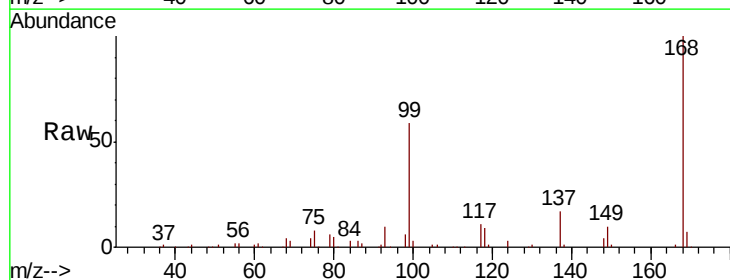
Instrument :
 MSVOA_W
 ClientSampleId :

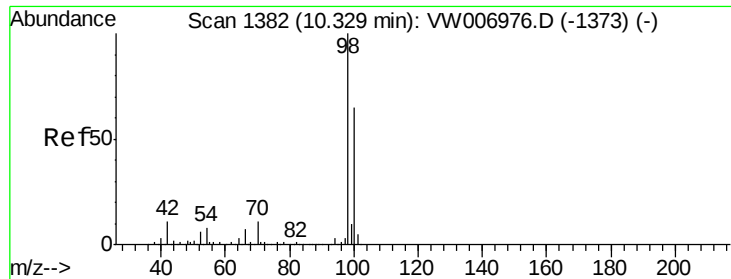
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.0	54.0#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 7.039 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW007003.D
 Acq: 21 Nov 2018 16:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	74.9	112.3#
121	0.0	23.6	35.4#





#50

Toluene-d8

Concen: 47.633 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW007003.D

Acq: 21 Nov 2018 16:43

Instrument :

MSVOA_W

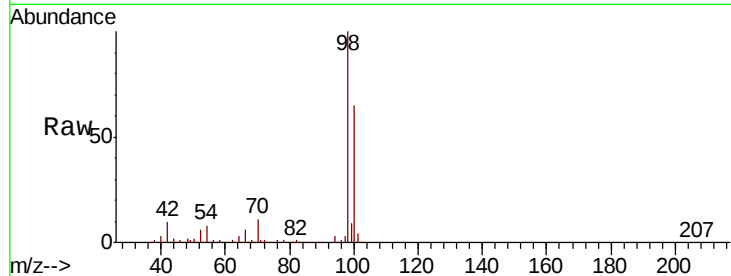
ClientSampleId :

Tot Ion: 98 Resp: 166914

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

100000

80000

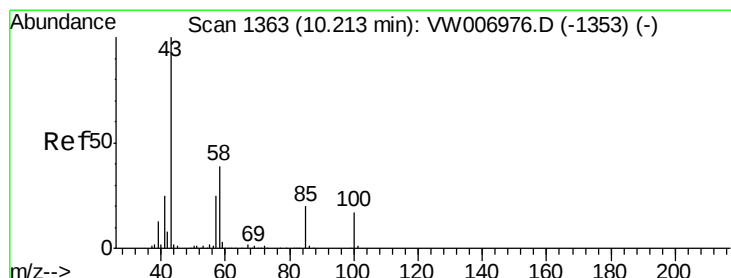
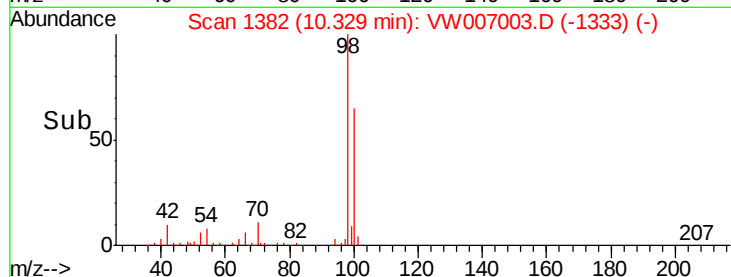
60000

40000

20000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.490 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW007003.D

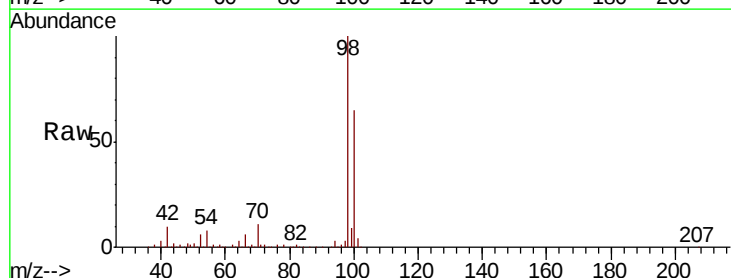
Acq: 21 Nov 2018 16:43

Tgt Ion: 43 Resp: 714

Ion Ratio Lower Upper

43 100

58 177.6 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

800

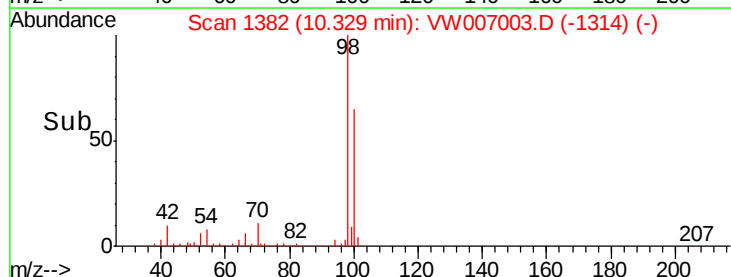
600

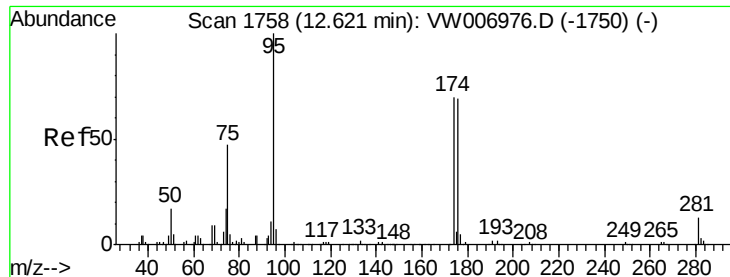
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 45.484 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007003.D

Acq: 21 Nov 2018 16:43

Instrument :

MSVOA_W

ClientSampleId :

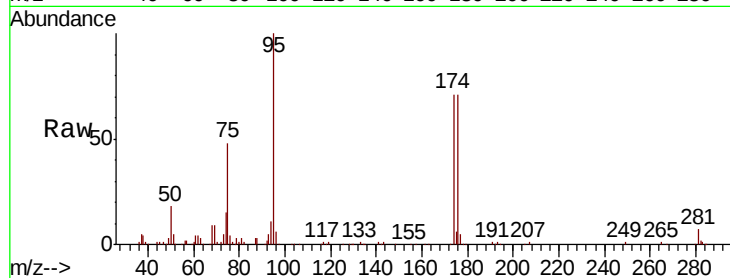
Tot Ion: 95 Resp: 62720

Ion Ratio Lower Upper

95 100

174 73.1 0.0 143.6

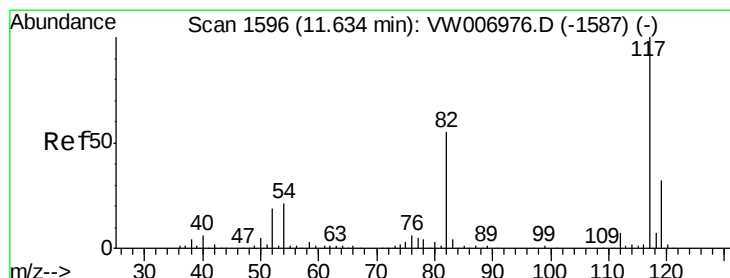
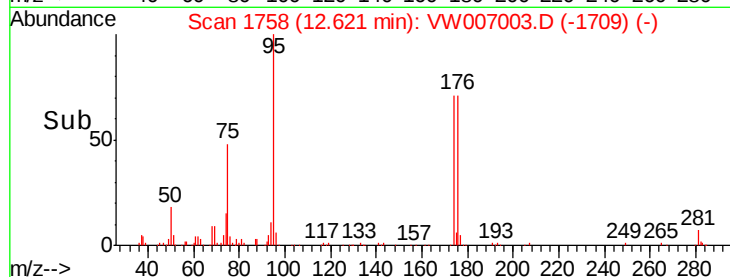
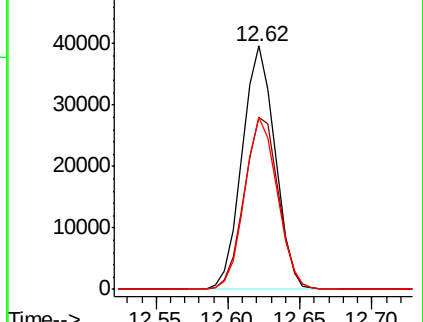
176 70.6 0.0 140.4



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: VW007003.D

Acq: 21 Nov 2018 16:43

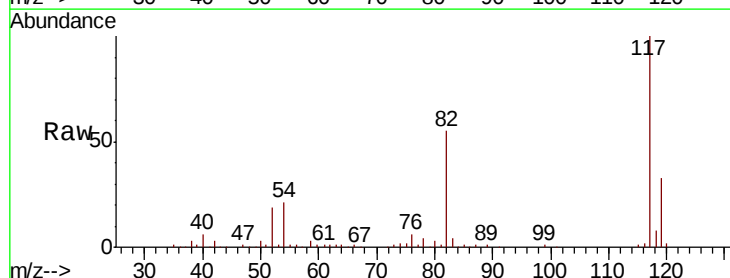
Tgt Ion: 117 Resp: 130888

Ion Ratio Lower Upper

117 100

82 55.2 44.2 66.2

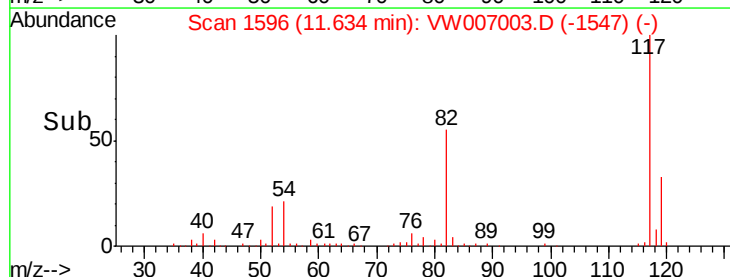
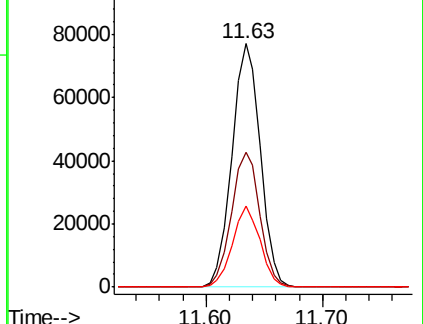
119 33.2 25.9 38.9

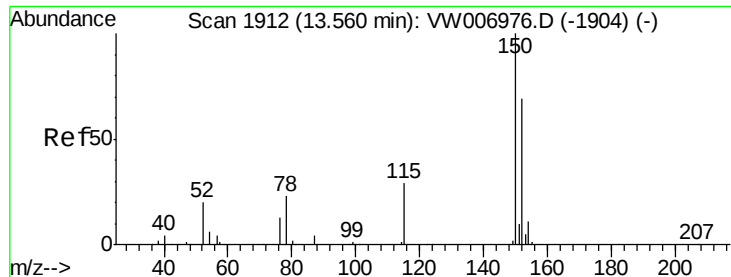


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW007003.D

Acq: 21 Nov 2018 16:43

Instrument :

MSVOA_W

ClientSampleId :

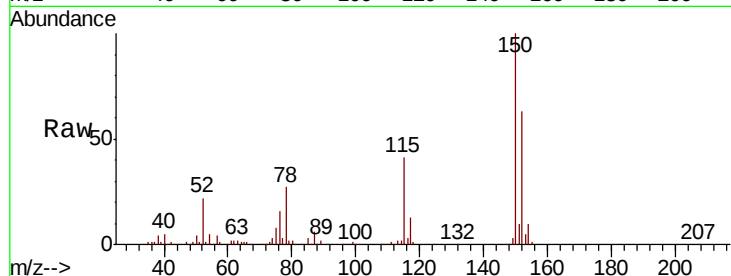
Tot Ion:152 Resp: 60090

Ion Ratio Lower Upper

152 100

115 62.8 31.4 94.2

150 159.5 0.0 353.4

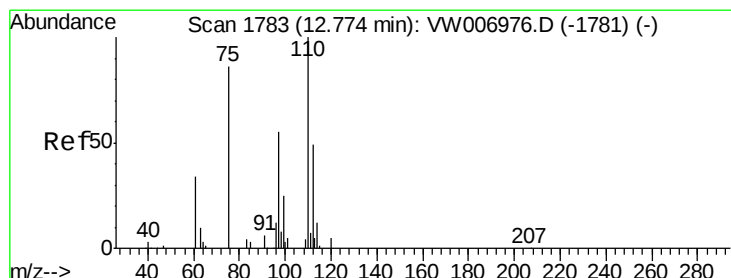
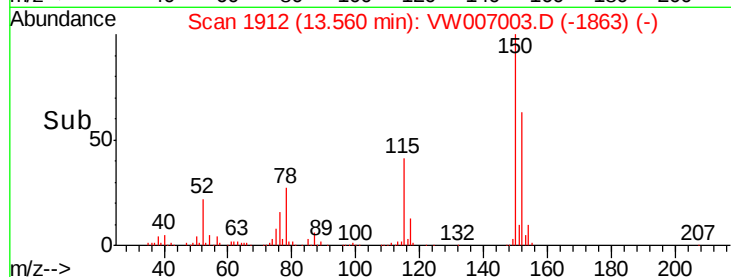
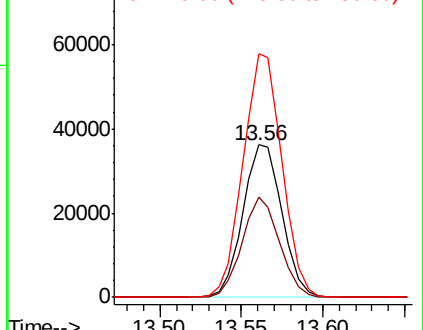


Abundance

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: 64.507 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007003.D

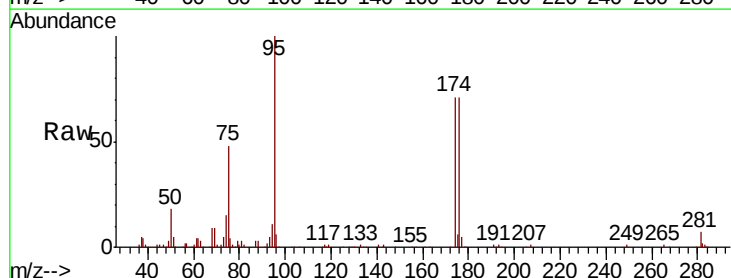
Acq: 21 Nov 2018 16:43

Tgt Ion: 75 Resp: 30459

Ion Ratio Lower Upper

75 100

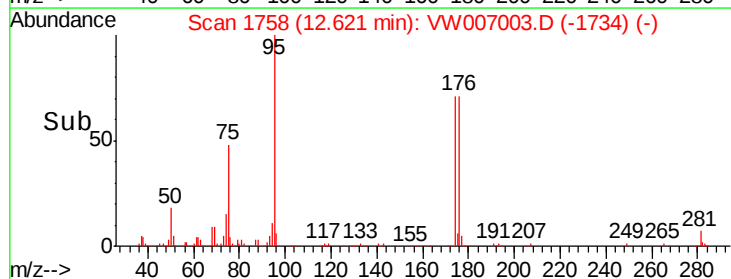
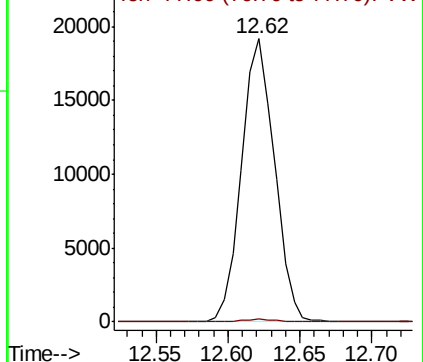
77 1.0 0.0 0.0#

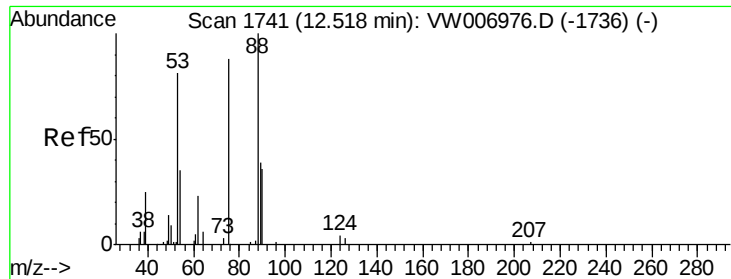


Abundance

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: 161.950 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007003.D

Acq: 21 Nov 2018 16:43

Instrument :

MSVOA_W

ClientSampleId :

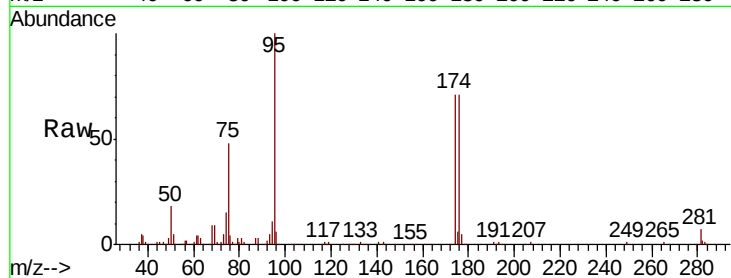
Tot Ion: 75 Resp: 30459

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.1 39.3 58.9#



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

