

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122018\
 Data File : VW007661.D
 Acq On : 18 Dec 2018 16:26
 Operator : SY/AP
 Sample : J6379-07
 Misc : 5.22G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 03:19:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	33511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	67651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	53566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	16840	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	33767	90.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	181.66%	
35) Dibromofluoromethane	7.88	113	27872	68.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.12%	
50) Toluene-d8	10.32	98	68366	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	
62) 4-Bromofluorobenzene	12.62	95	22011	38.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.98%	

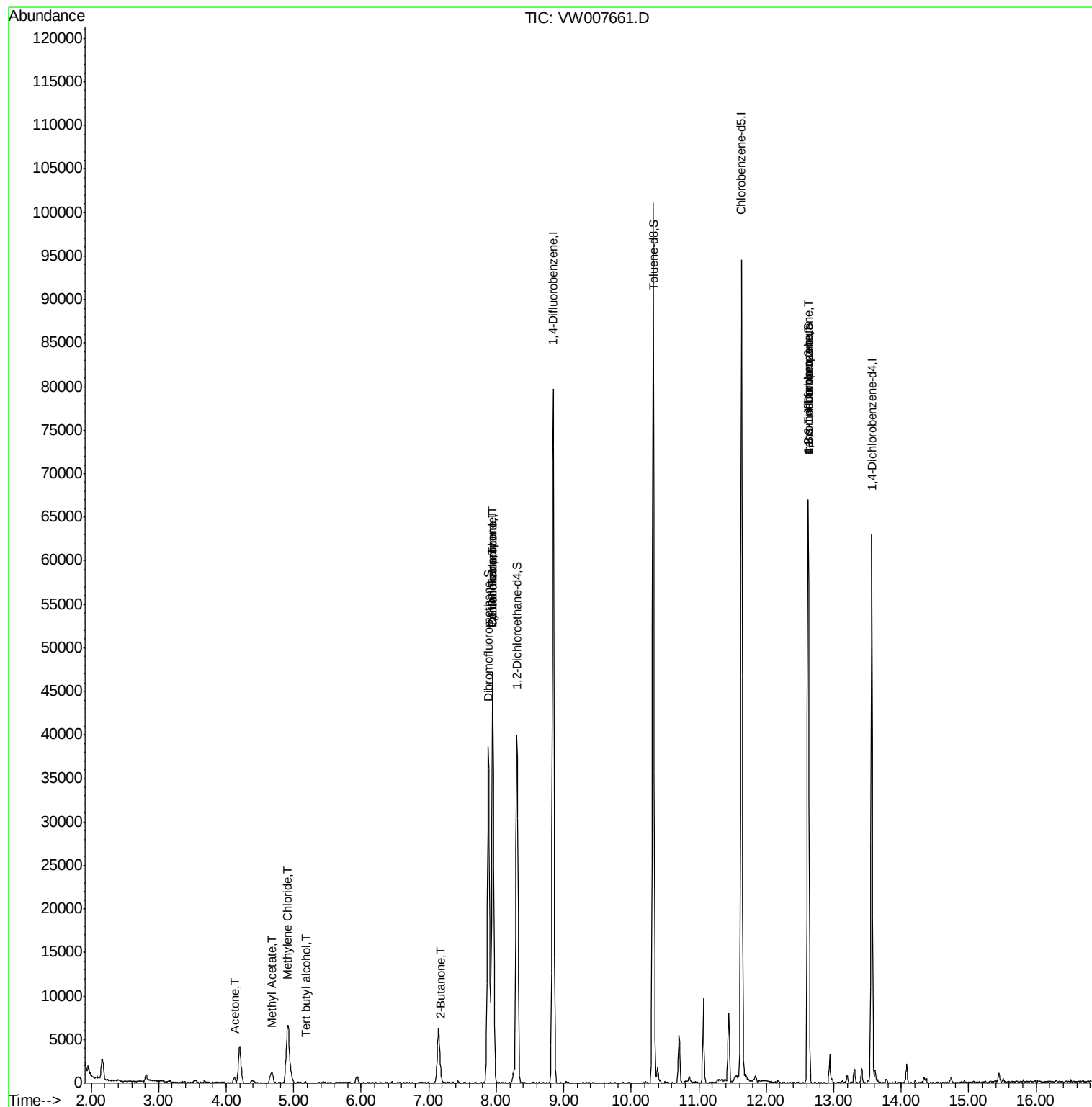
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	124	4.856	ug/l #	74
16) Acetone	4.12	43	997	15.353	ug/l	97
18) Methyl Acetate	4.67	43	2574	14.604	ug/l	93
20) Methylene Chloride	4.91	84	6025	14.158	ug/l	97
25) 2-Butanone	7.18	43	115	1.356	ug/l #	45
31) Cyclohexane	7.95	56	631	1.093	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	2691	4.360	ug/l #	49
38) Carbon Tetrachloride	7.95	117	3638	5.418	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	11314	81.483	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	11314	179.997	ug/l #	7

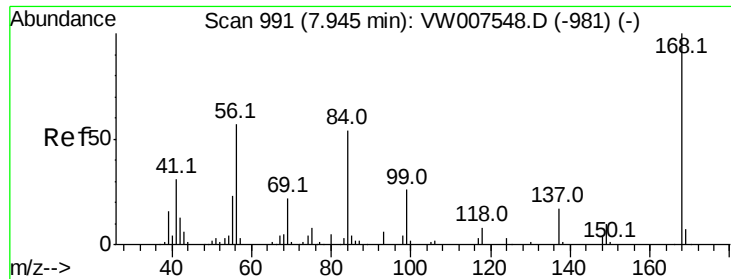
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007661.D

Acq: 18 Dec 2018 16:26

Instrument :

MSVOA_W

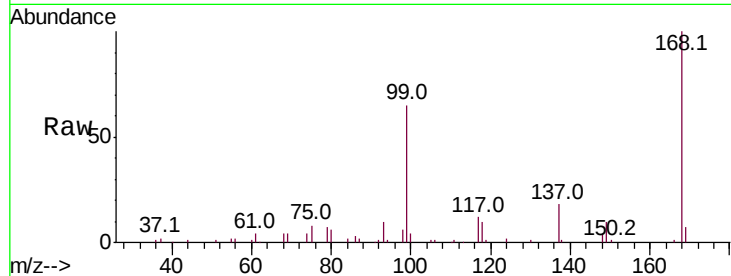
ClientSampled :

Tot Ion:168 Resp: 33511

Ion Ratio Lower Upper

168 100

99 65.1 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

15000

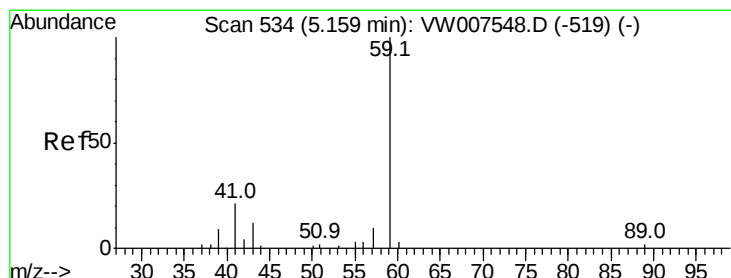
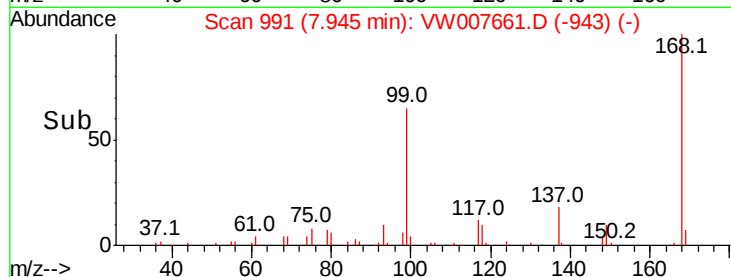
10000

5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: 4.856 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW007661.D

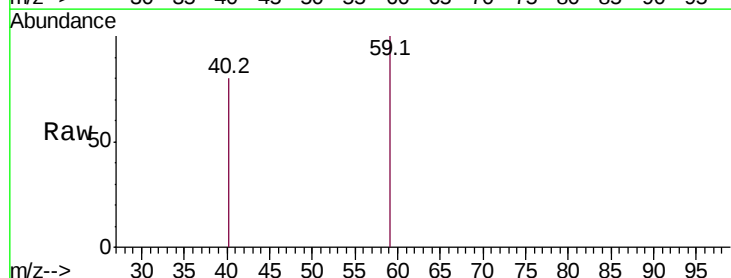
Acq: 18 Dec 2018 16:26

Tgt Ion: 59 Resp: 124

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

100

80

60

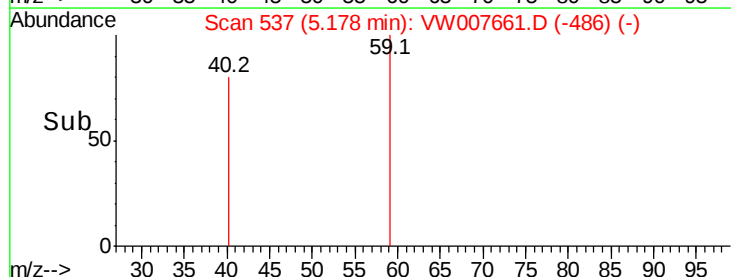
40

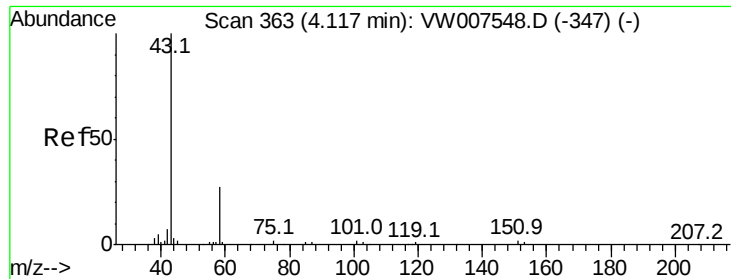
20

0

Time-->

5.15 5.20





#16

Acetone

Concen: 15.353 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007661.D

Acq: 18 Dec 2018 16:26

Instrument :

MSVOA_W

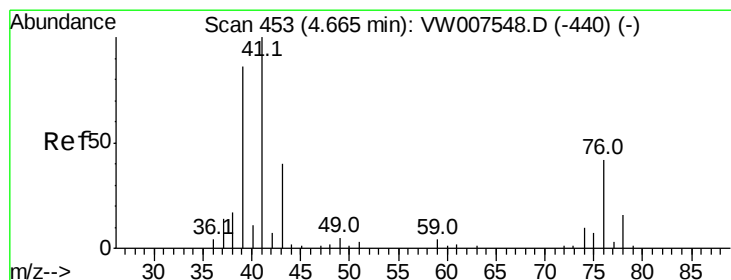
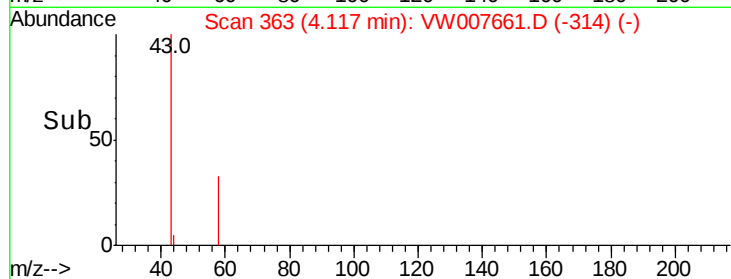
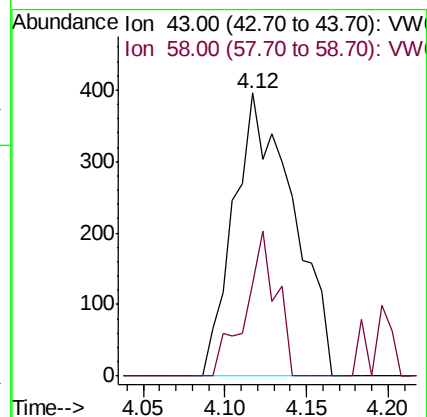
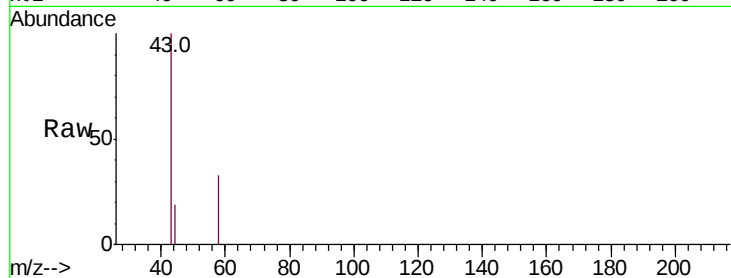
ClientSampled :

Tot Ion: 43 Resp: 997

Ion Ratio Lower Upper

43 100

58 32.6 24.9 37.3



#18

Methyl Acetate

Concen: 14.604 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007661.D

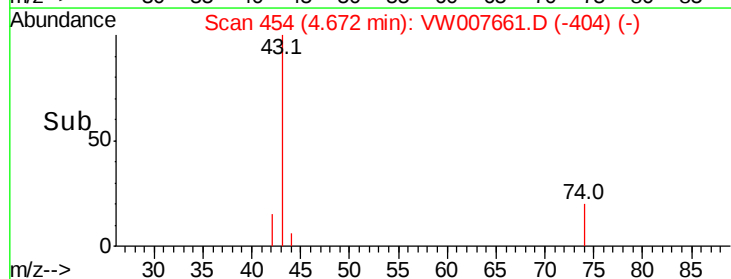
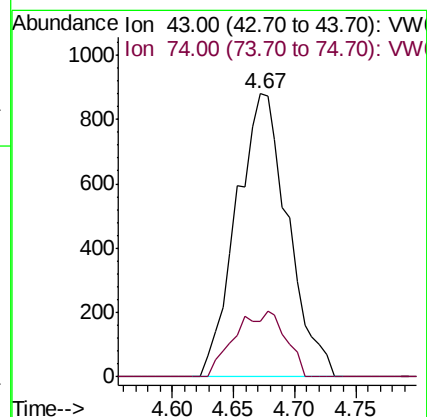
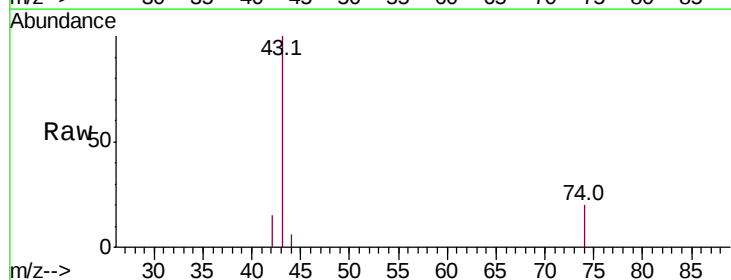
Acq: 18 Dec 2018 16:26

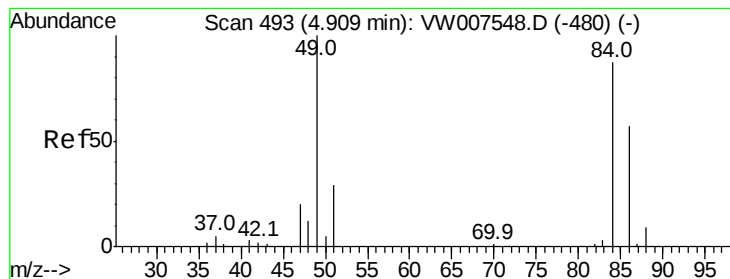
Tgt Ion: 43 Resp: 2574

Ion Ratio Lower Upper

43 100

74 23.0 21.1 31.7





#20

Methvlene Chloride

Concen: 14.158 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007661.D

Acq: 18 Dec 2018 16:26

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 84 Resp: 6025

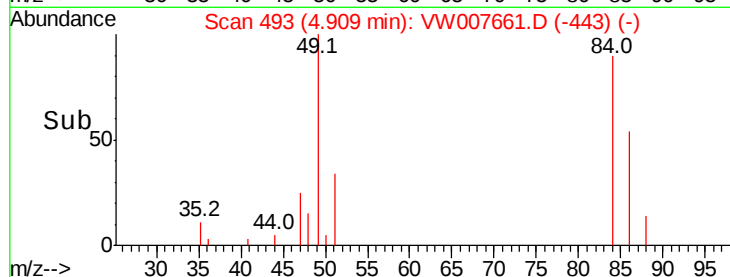
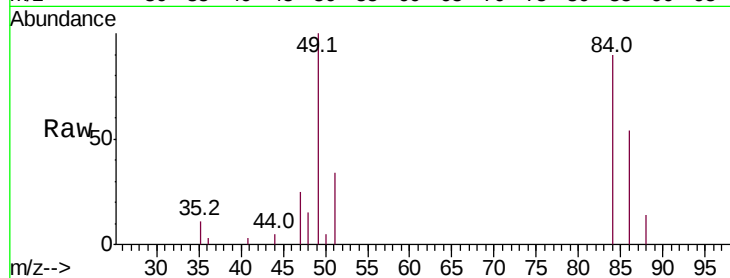
Ion Ratio Lower Upper

84 100

49 111.0 87.1 130.7

51 37.2 28.2 42.2

86 60.3 50.8 76.2

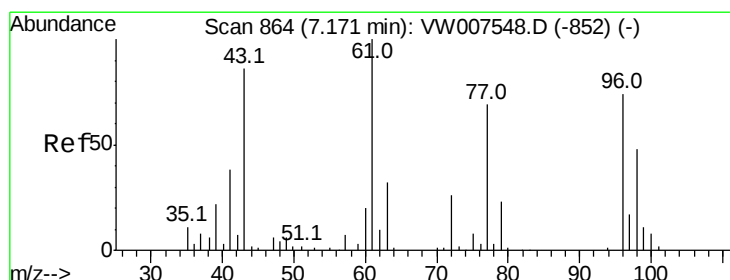
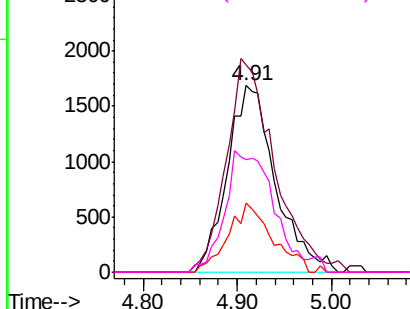


Abundance Ion 83.90 (83.60 to 84.60): VW

3000 Ion 48.90 (48.60 to 49.60): VW

2500 Ion 50.90 (50.60 to 51.60): VW

2000 Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 1.356 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007661.D

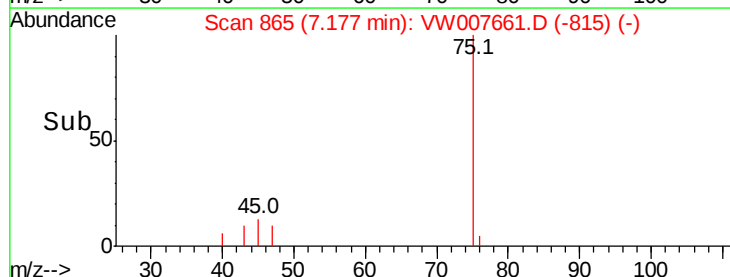
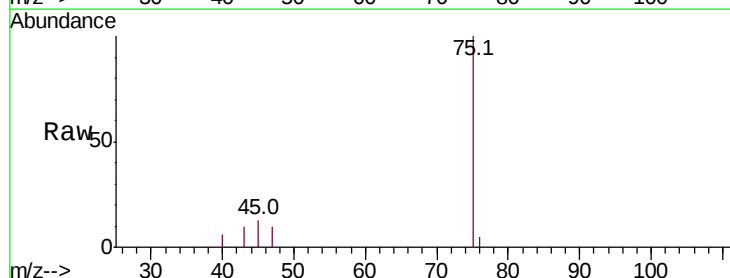
Acq: 18 Dec 2018 16:26

Tgt Ion: 43 Resp: 115

Ion Ratio Lower Upper

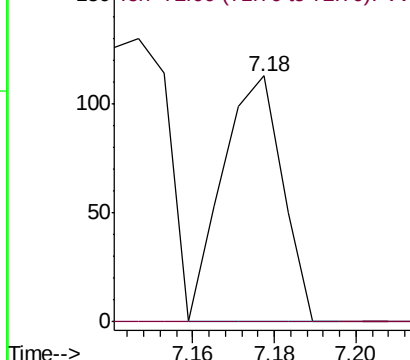
43 100

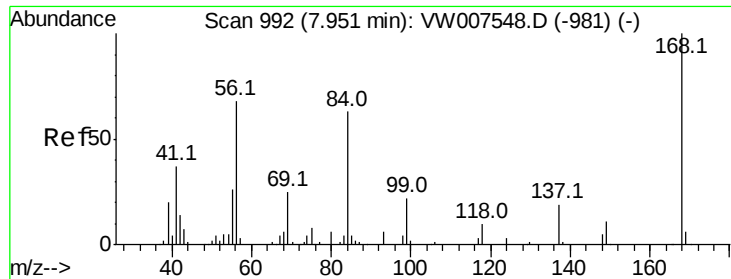
72 0.0 23.4 35.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

150 Ion 72.00 (71.70 to 72.70): VW

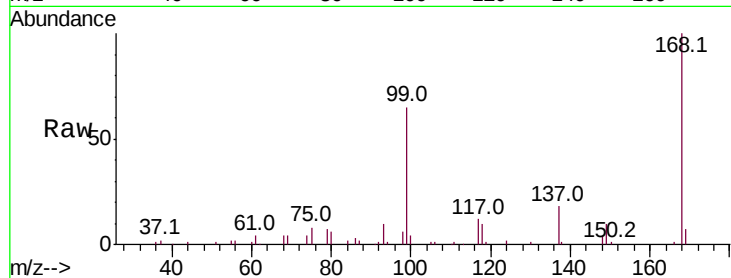




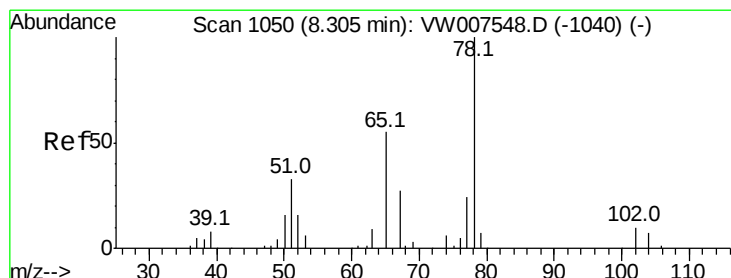
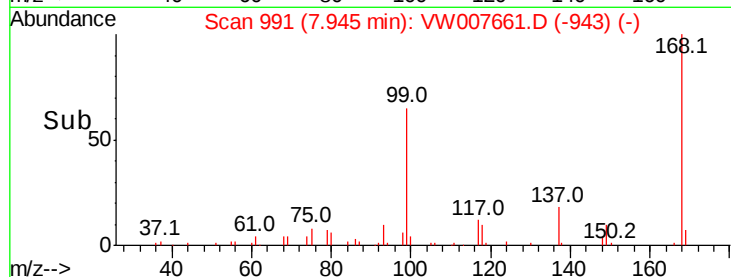
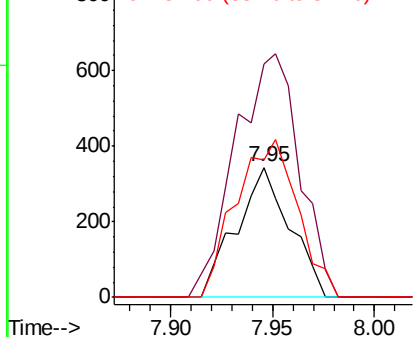
#31
Cyclohexane
Concen: 1.093 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007661.D
Acq: 18 Dec 2018 16:26

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 631
Ion Ratio Lower Upper
56 100
69 179.4 28.9 43.3#
84 105.5 71.8 107.6

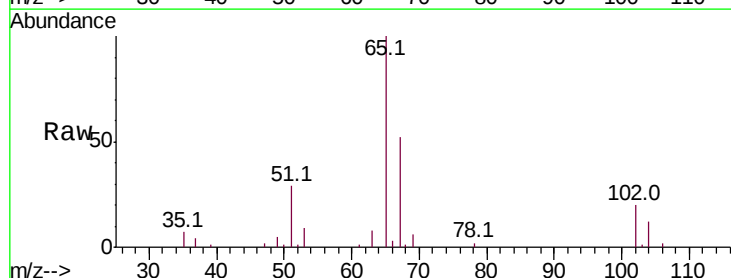


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

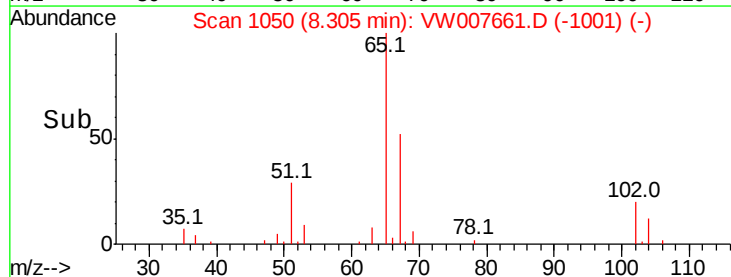
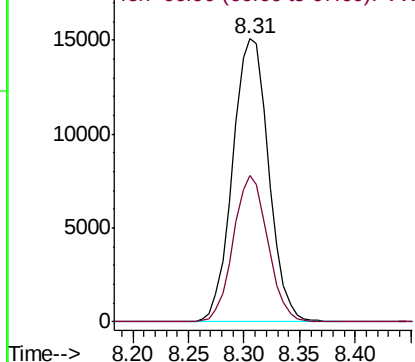


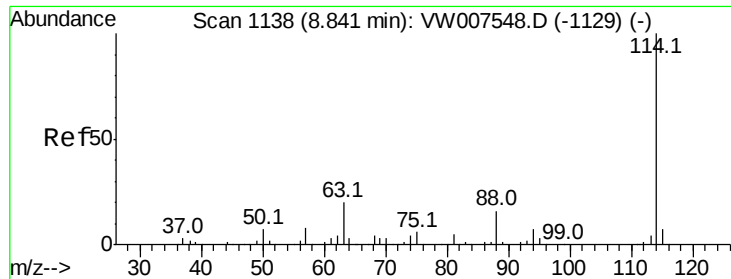
#33
1,2-Dichloroethane-d4
Concen: 90.826 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW007661.D
Acq: 18 Dec 2018 16:26

Tgt Ion: 65 Resp: 33767
Ion Ratio Lower Upper
65 100
67 49.6 0.0 101.6



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

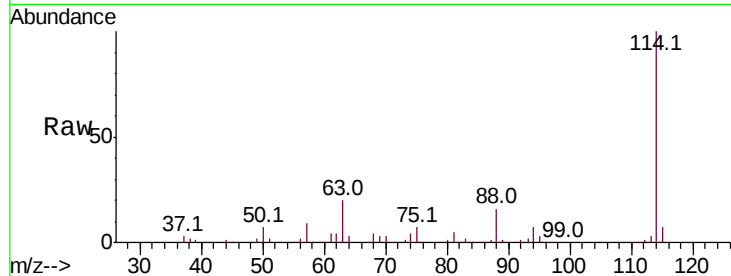




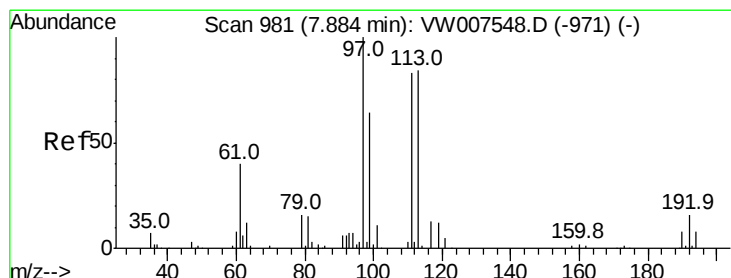
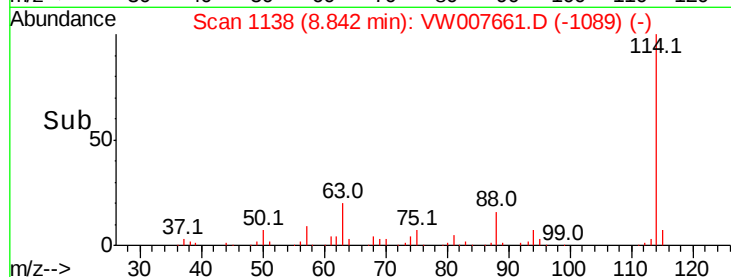
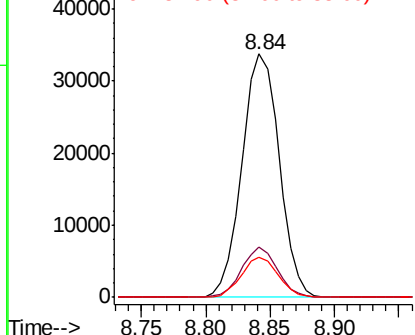
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007661.D
 Acq: 18 Dec 2018 16:26

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 67651
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.6
 88 16.4 0.0 31.4

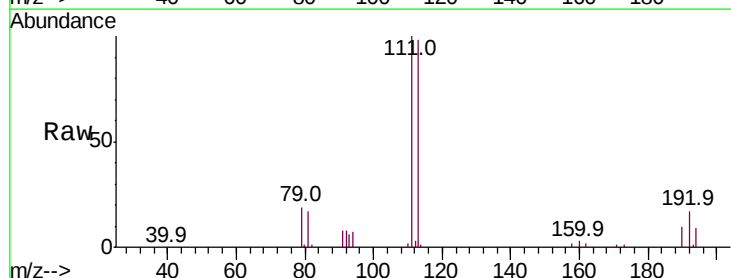


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

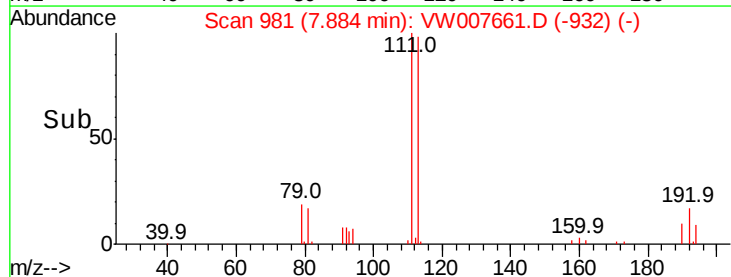
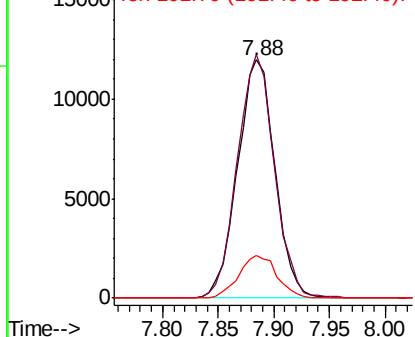


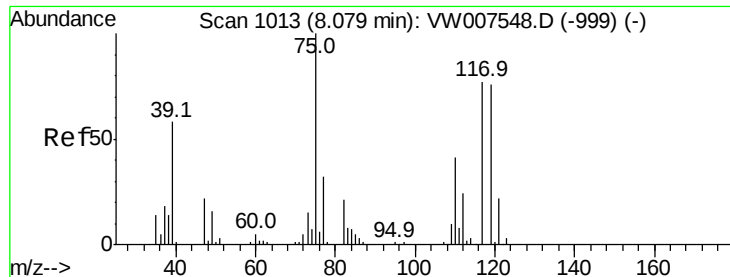
#35
 Dibromofluoromethane
 Concen: 68.060 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007661.D
 Acq: 18 Dec 2018 16:26

Tgt Ion:113 Resp: 27872
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.1 121.7
 192 18.3 14.6 21.8



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: 4.360 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007661.D

Acq: 18 Dec 2018 16:26

Instrument :

MSVOA_W

ClientSampleId :

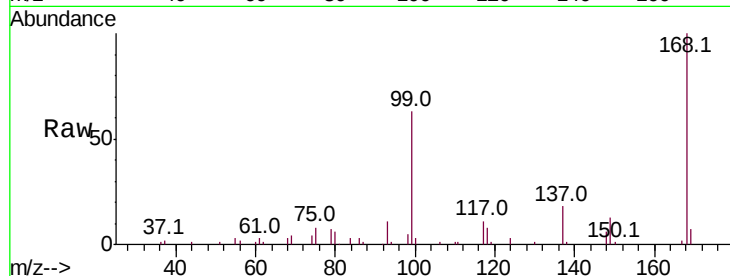
Tot Ion: 75 Resp: 2691

Ion Ratio Lower Upper

75 100

110 9.5 18.5 55.5#

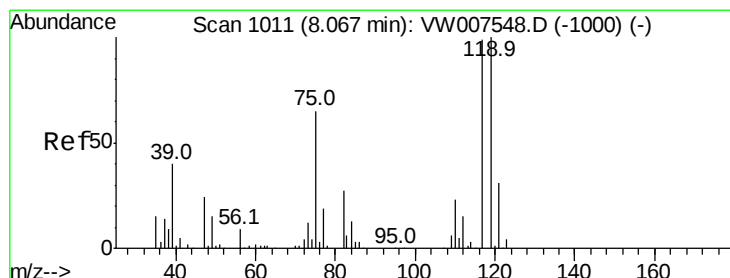
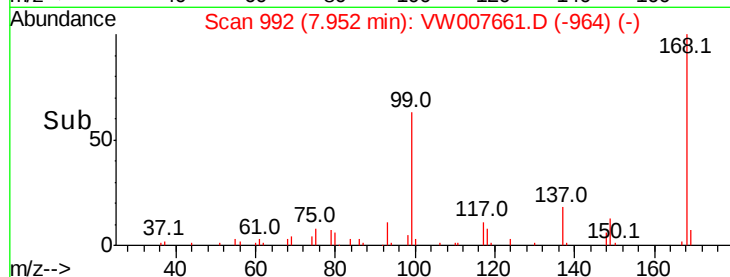
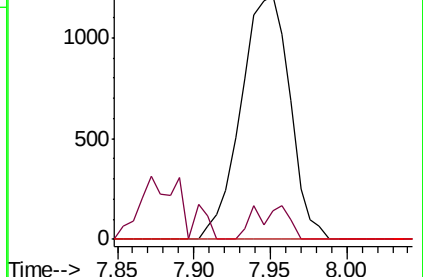
77 0.0 25.6 38.4#



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: 5.418 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007661.D

Acq: 18 Dec 2018 16:26

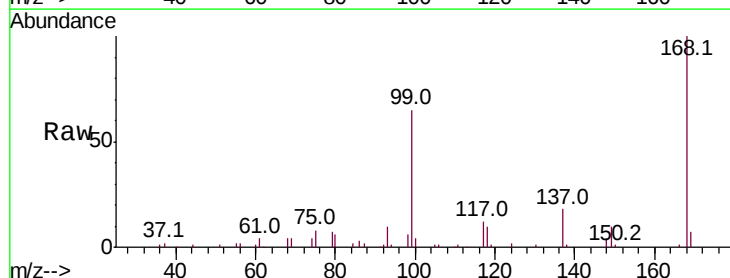
Tgt Ion: 117 Resp: 3638

Ion Ratio Lower Upper

117 100

119 6.4 74.3 111.5#

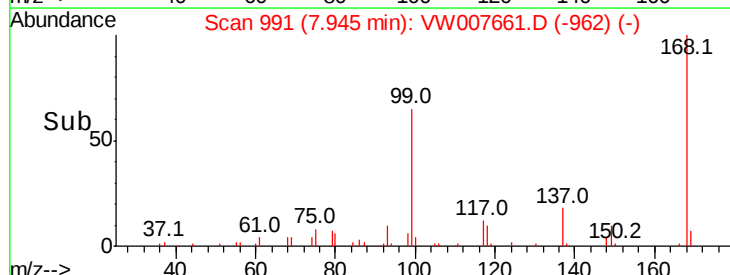
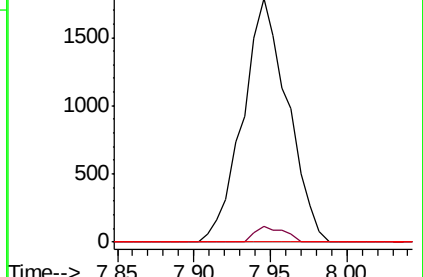
121 0.0 24.3 36.5#

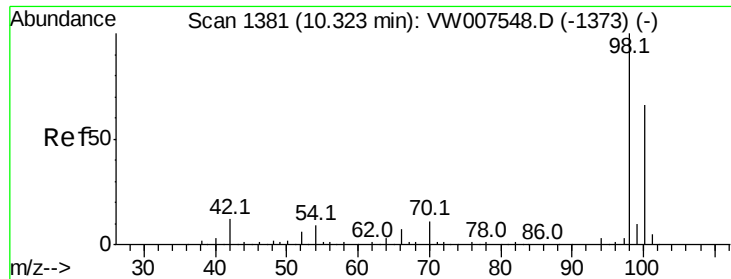


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 44.525 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW007661.D

Acq: 18 Dec 2018 16:26

Instrument :

MSVOA_W

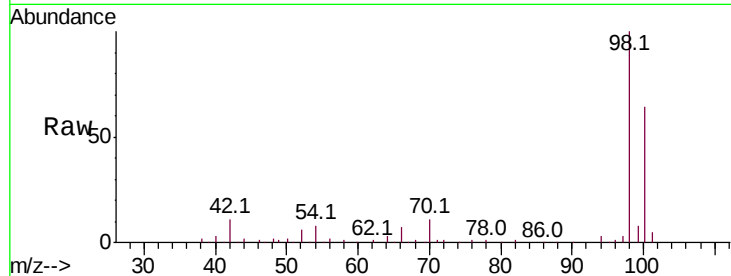
ClientSampleId :

Tot Ion: 98 Resp: 68366

Ion Ratio Lower Upper

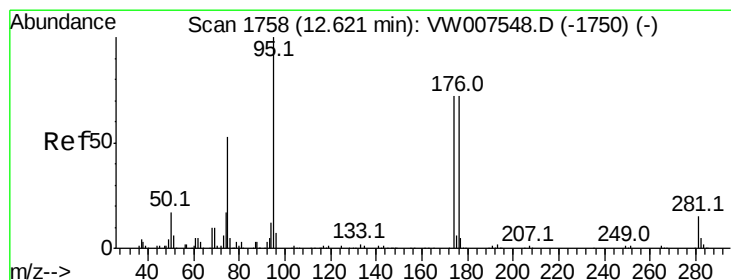
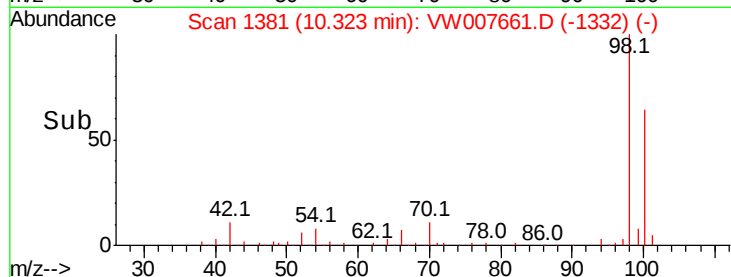
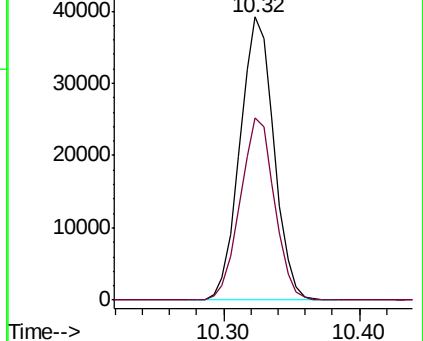
98 100

100 64.8 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 38.988 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007661.D

Acq: 18 Dec 2018 16:26

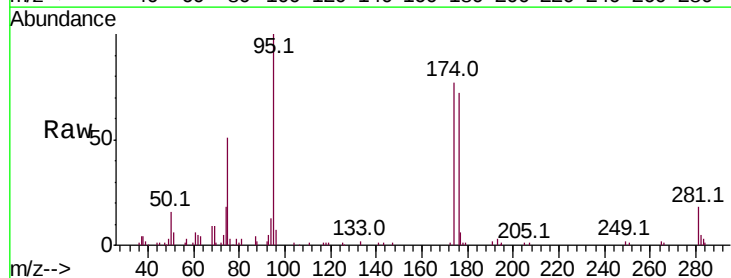
Tgt Ion: 95 Resp: 22011

Ion Ratio Lower Upper

95 100

174 74.6 0.0 147.2

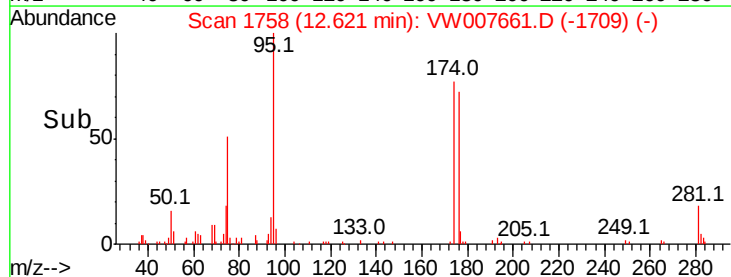
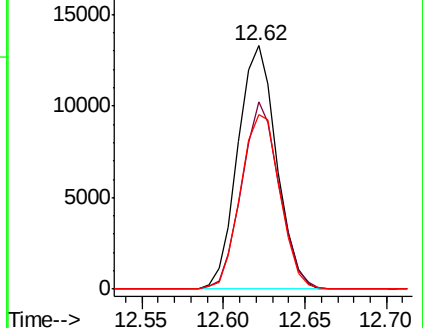
176 72.9 0.0 138.8

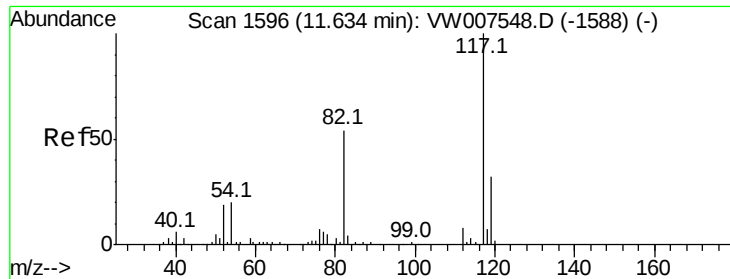


Abundance Ion 94.90 (94.60 to 95.60): VW

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: VW007661.D

Acq: 18 Dec 2018 16:26

Instrument :

MSVOA_W

ClientSampleId :

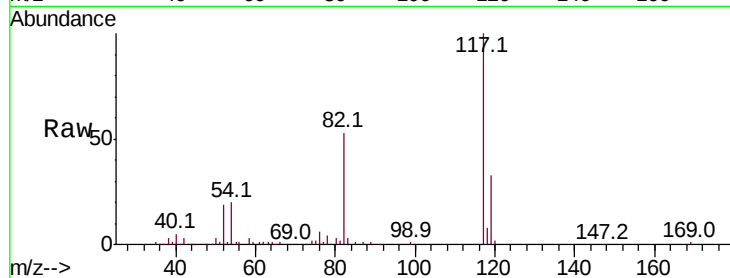
Tot Ion:117 Resp: 53566

Ion Ratio Lower Upper

117 100

82 53.4 42.3 63.5

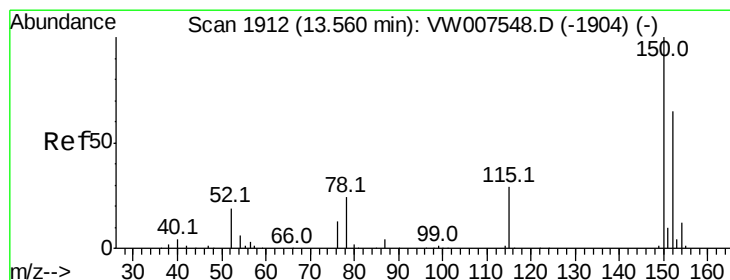
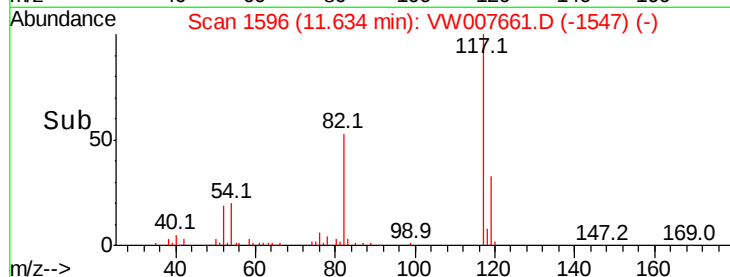
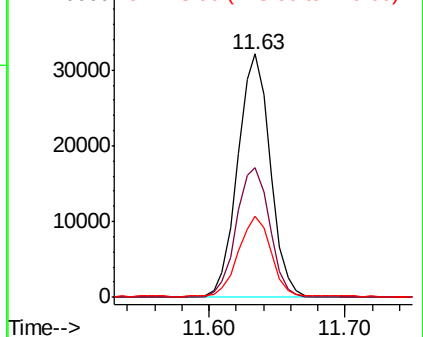
119 32.7 23.0 34.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

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. 0.01 min

Lab File: VW007661.D

Acq: 18 Dec 2018 16:26

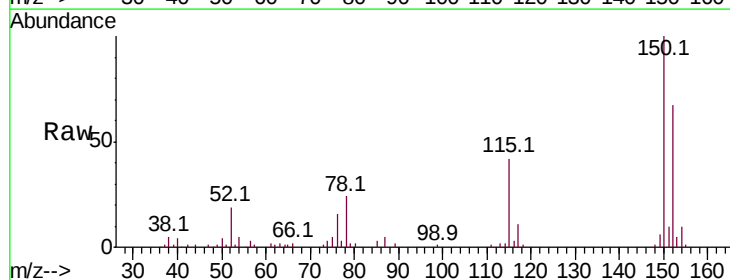
Tgt Ion:152 Resp: 16840

Ion Ratio Lower Upper

152 100

115 63.7 31.4 94.2

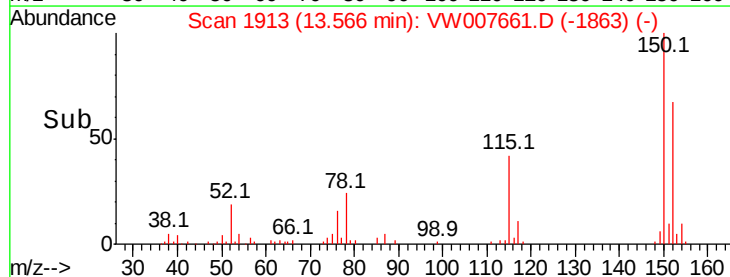
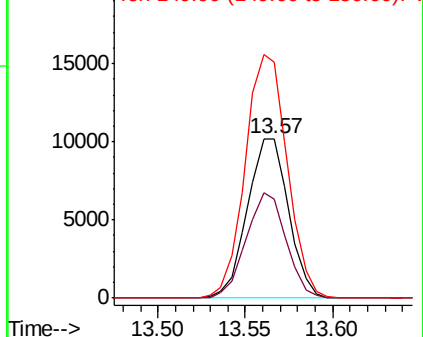
150 154.9 0.0 358.4

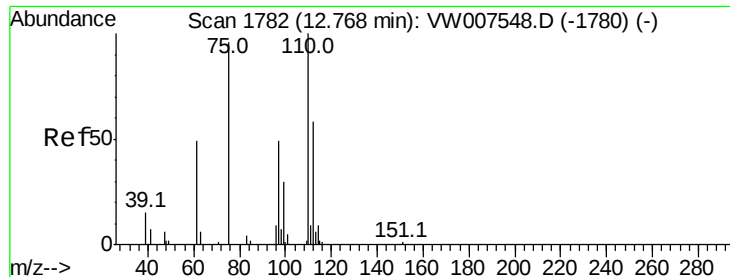


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 81.483 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007661.D

Acq: 18 Dec 2018 16:26

Instrument :

MSVOA_W

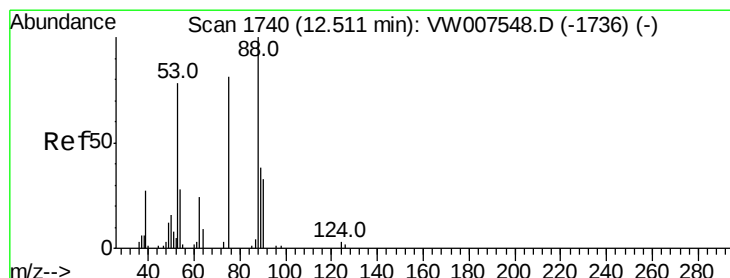
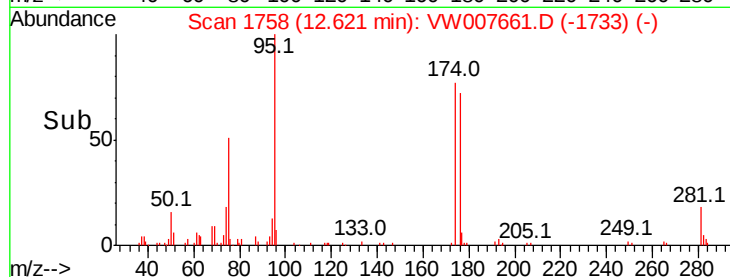
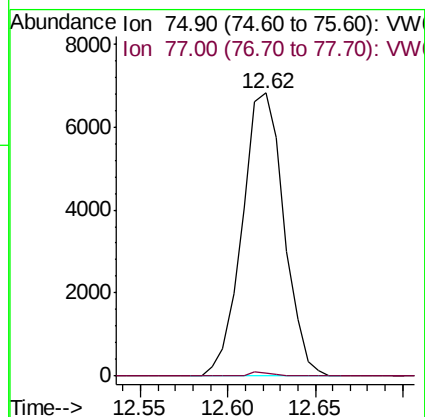
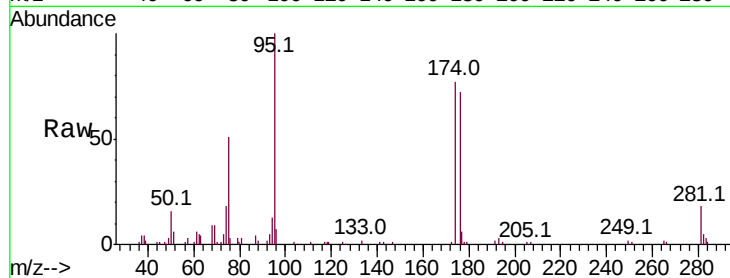
ClientSampleId :

Tot Ion: 75 Resp: 11314

Ion Ratio Lower Upper

75 100

77 0.7 166.9 500.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 179.997 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007661.D

Acq: 18 Dec 2018 16:26

Tgt Ion: 75 Resp: 11314

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#

