

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110718\
 Data File : VW006756.D
 Acq On : 07 Nov 2018 23:52
 Operator : SY/AP
 Sample : J5813-05
 Misc : 5.64G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 09 09:51:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	350898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	321971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	149822	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	80963	39.45	ug/l	0.00
Spiked Amount			Recovery	=	78.90%	
35) Dibromofluoromethane	7.88	113	83158	37.76	ug/l	0.00
Spiked Amount			Recovery	=	75.52%	
50) Toluene-d8	10.33	98	264928	31.60	ug/l	0.00
Spiked Amount			Recovery	=	63.20%	
62) 4-Bromofluorobenzene	12.62	95	86126	28.34	ug/l	0.00
Spiked Amount			Recovery	=	56.68%	

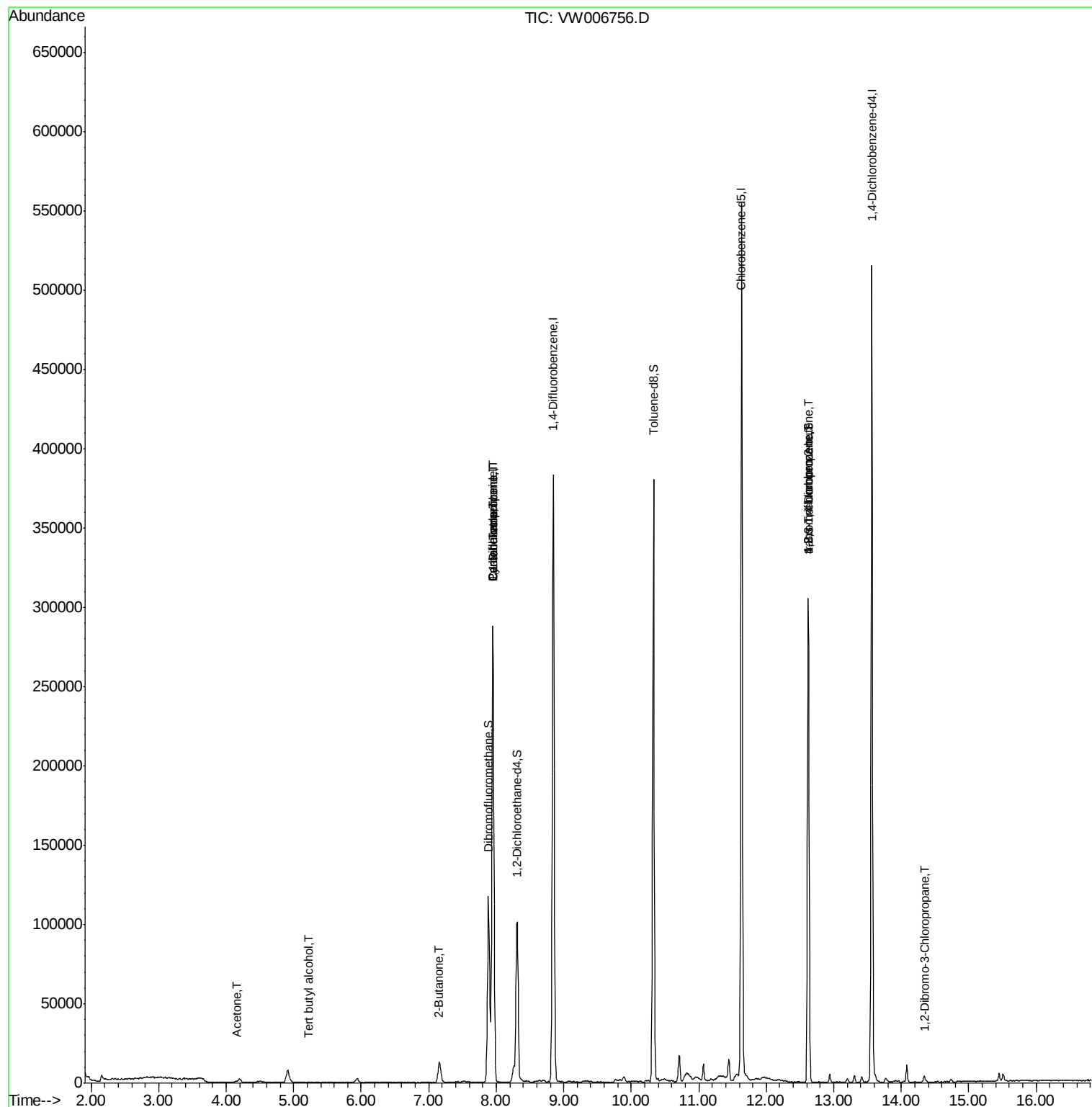
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	185	1.673	ug/l #	84
16) Acetone	4.15	43	1877	5.664	ug/l #	72
20) Methylene Chloride	4.91	84	7029	Below Cal		90
25) 2-Butanone	7.15	43	729	1.542	ug/l #	46
31) Cyclohexane	7.95	56	3998	1.223	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	15039	4.874	ug/l #	48
38) Carbon Tetrachloride	7.95	117	20514	6.362	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	42487	36.346	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	42487	91.778	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.33	75	402	1.589	ug/l #	1

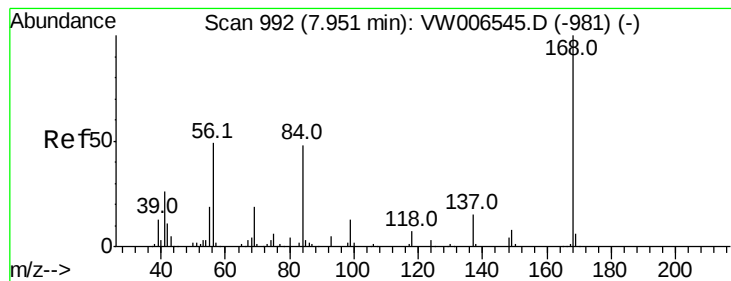
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 01 03:48:08 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: VW006756.D

Acq: 07 Nov 2018 23:52

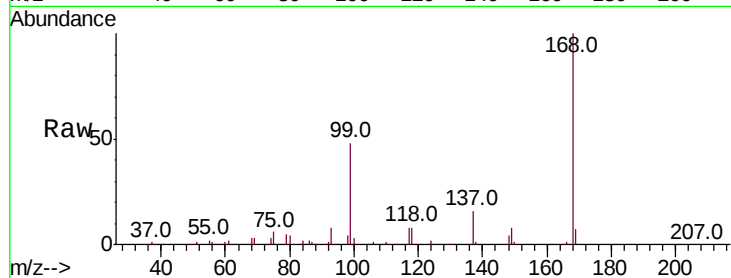
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 238768

Ion Ratio Lower Upper

168 100

99 48.2 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

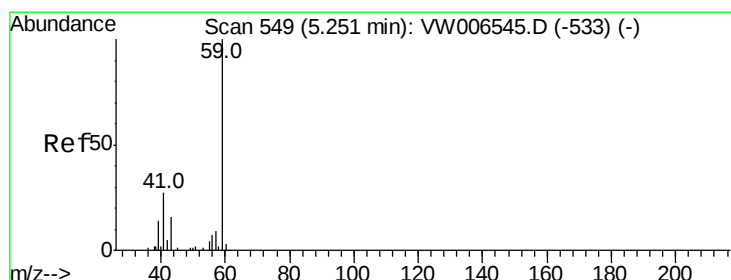
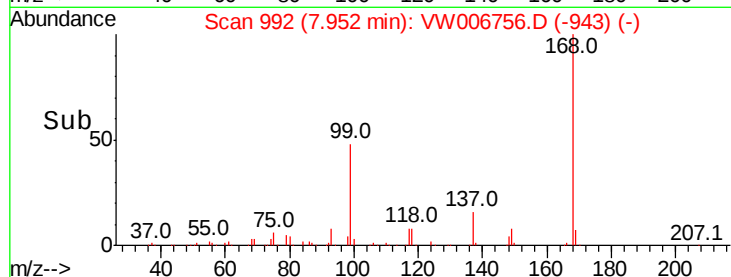
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.673 ug/l

RT: 5.23 min Scan# 545

Delta R.T. -0.02 min

Lab File: VW006756.D

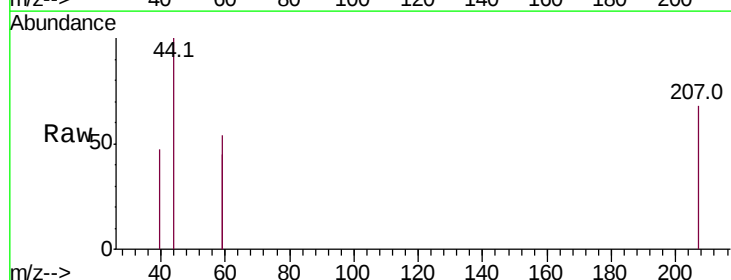
Acq: 07 Nov 2018 23:52

Tgt Ion: 59 Resp: 185

Ion Ratio Lower Upper

59 100

57 0.0 4.3 6.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.23

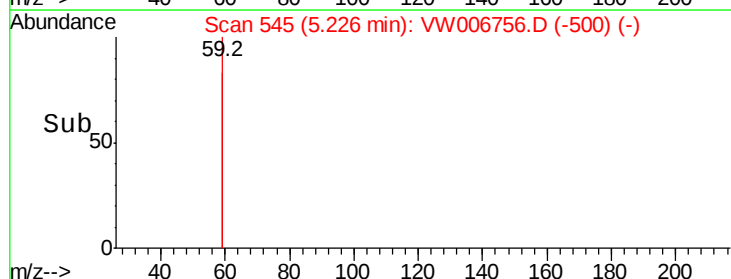
150

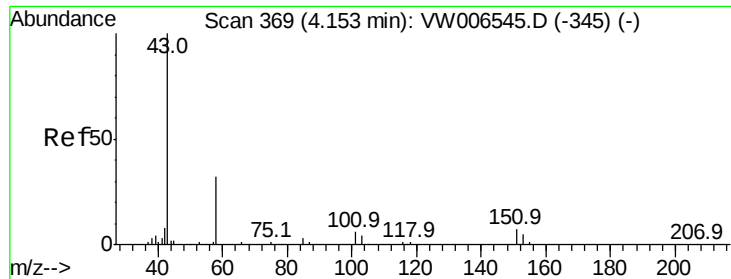
100

50

0

Time--> 5.18 5.20 5.22 5.24





#16

Acetone

Concen: 5.664 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.00 min

Lab File: VW006756.D

Acq: 07 Nov 2018 23:52

Instrument :

MSVOA_W

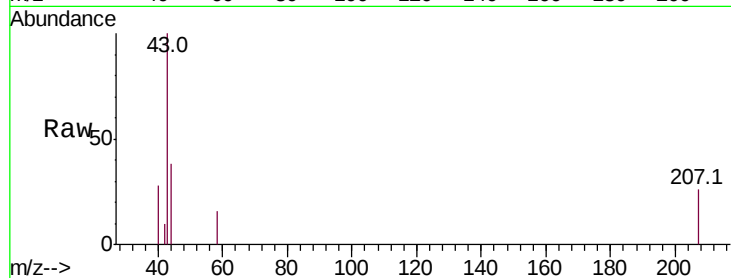
ClientSampleId :

Tot Ion: 43 Resp: 1877

Ion Ratio Lower Upper

43 100

58 16.4 25.8 38.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

600

500

400

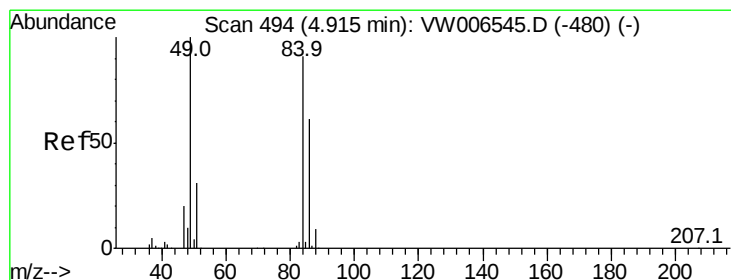
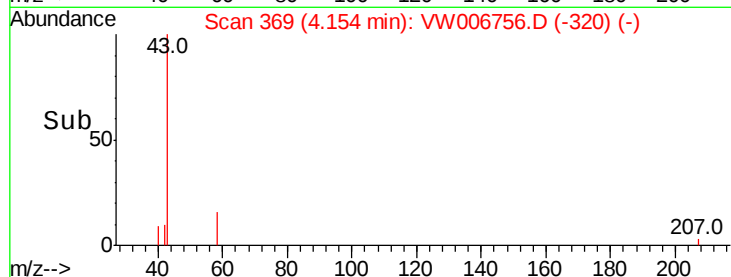
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006756.D

Acq: 07 Nov 2018 23:52

Tgt Ion: 84 Resp: 7029

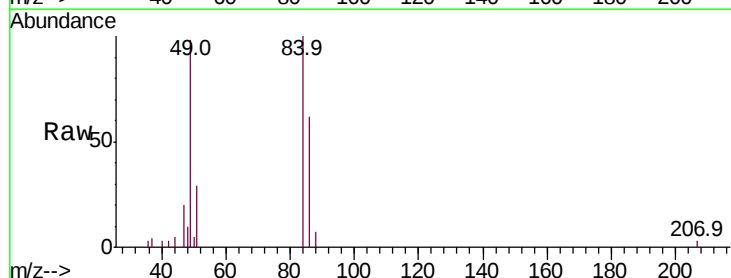
Ion Ratio Lower Upper

84 100

49 98.3 88.2 132.4

51 28.8 27.0 40.6

86 61.8 53.8 80.8



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

4.91

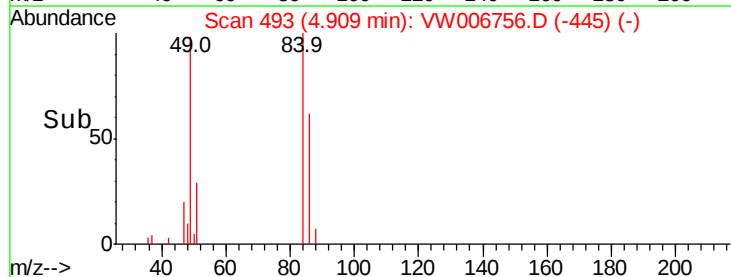
3000

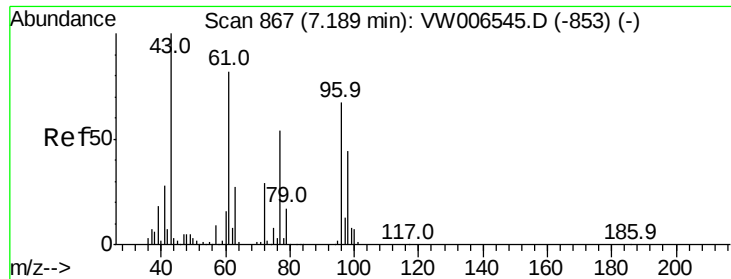
2000

1000

0

Time-->





#25

2-Butanone

Concen: 1.542 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.04 min

Lab File: VW006756.D

Acq: 07 Nov 2018 23:52

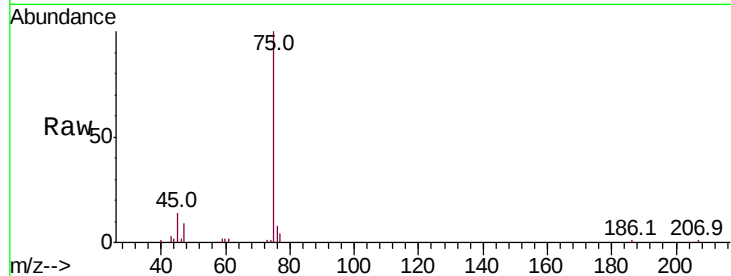
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 729

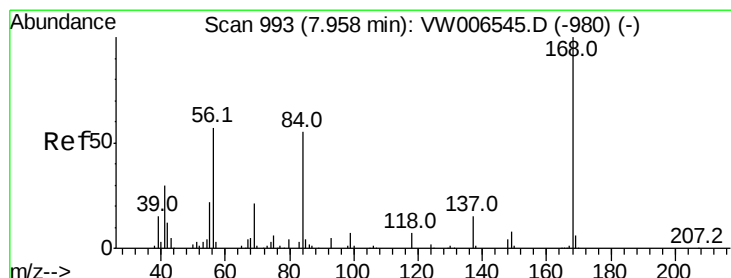
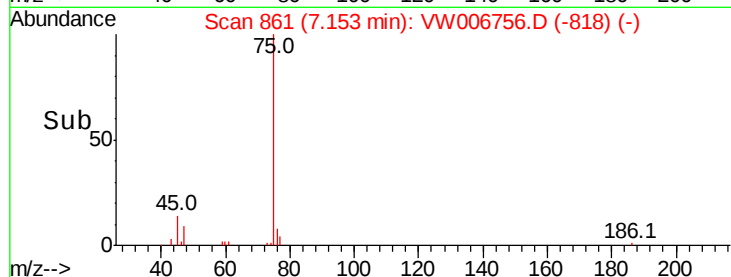
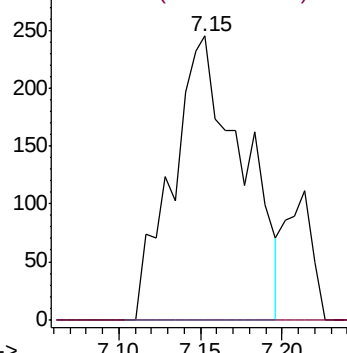
Ion Ratio Lower Upper

43 100

72 0.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.223 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006756.D

Acq: 07 Nov 2018 23:52

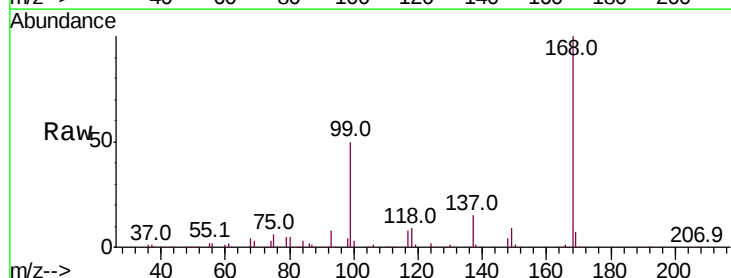
Tgt Ion: 56 Resp: 3998

Ion Ratio Lower Upper

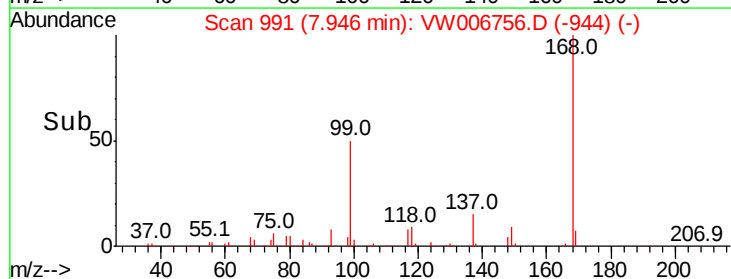
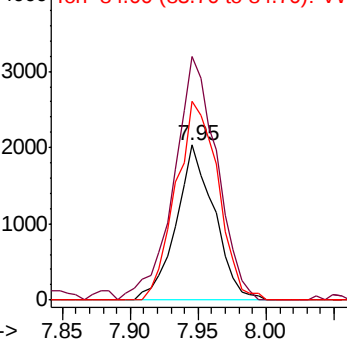
56 100

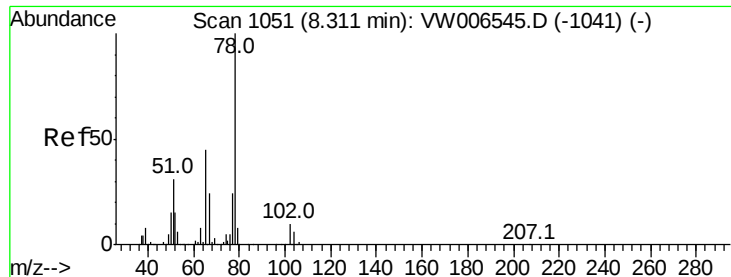
69 157.3 29.0 43.4#

84 128.6 77.8 116.6#



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: 39.447 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006756.D

Acq: 07 Nov 2018 23:52

Instrument :

MSVOA_W

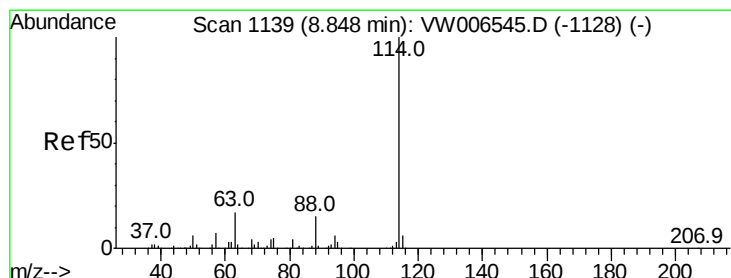
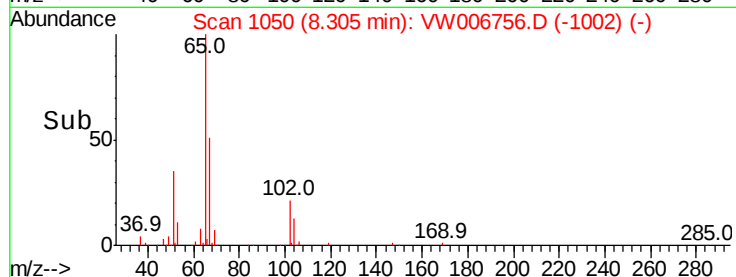
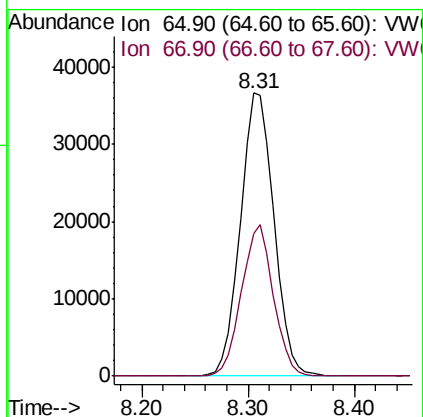
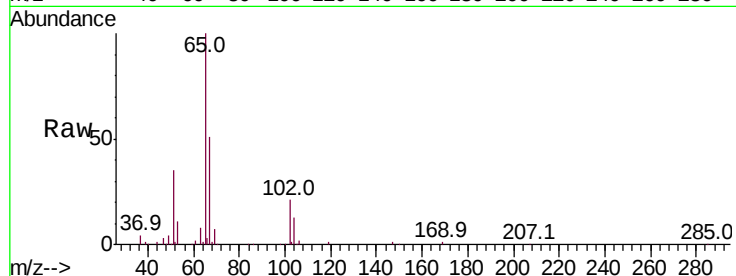
ClientSampleId :

Tot Ion: 65 Resp: 80963

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006756.D

Acq: 07 Nov 2018 23:52

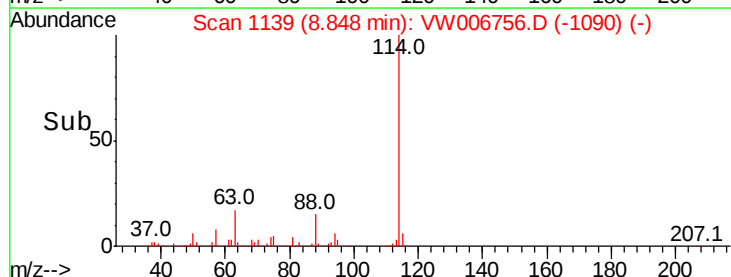
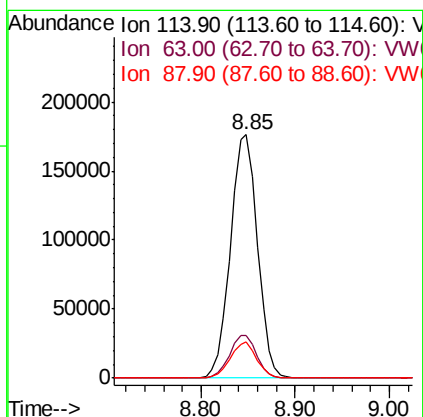
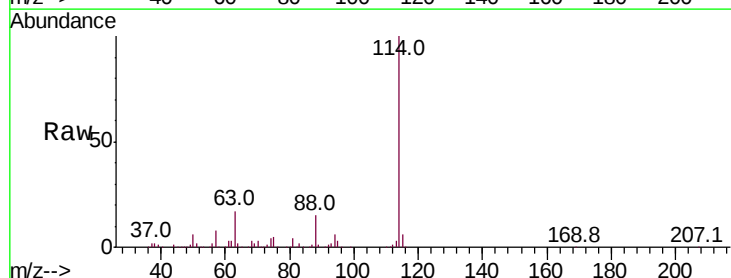
Tgt Ion: 114 Resp: 350898

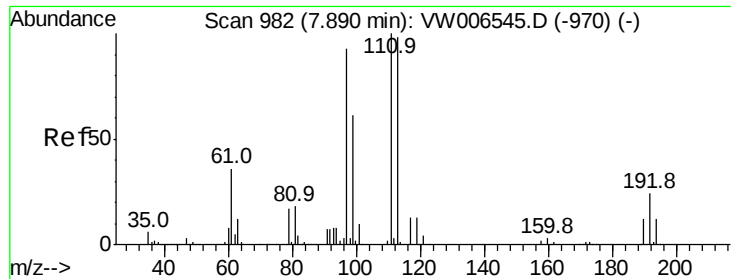
Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.4

88 14.8 0.0 29.0

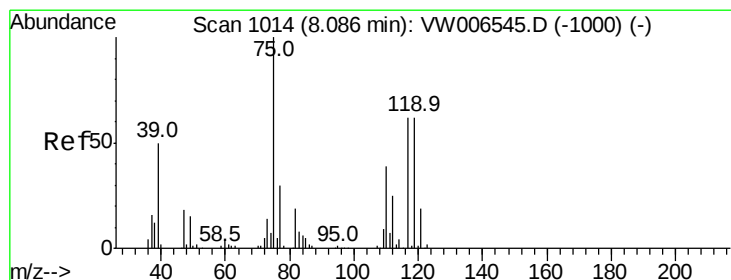
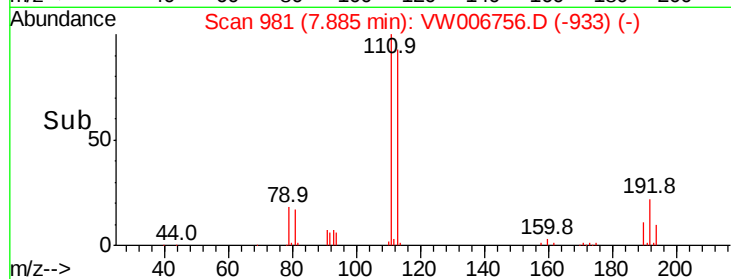
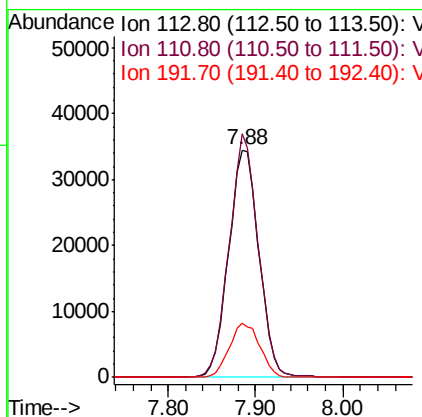
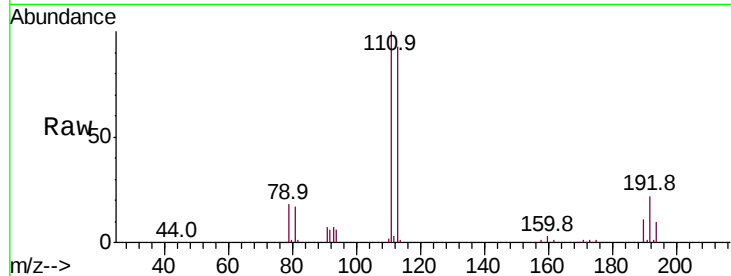




#35
 Dibromofluoromethane
 Concen: 37.762 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006756.D
 Acq: 07 Nov 2018 23:52

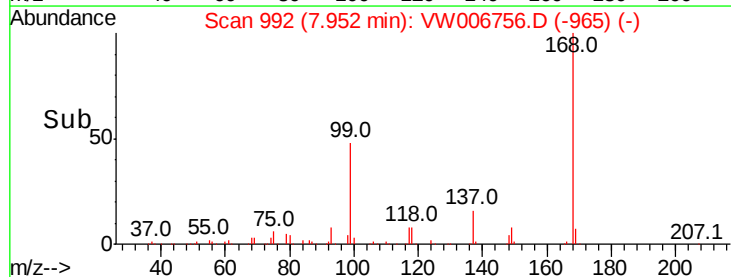
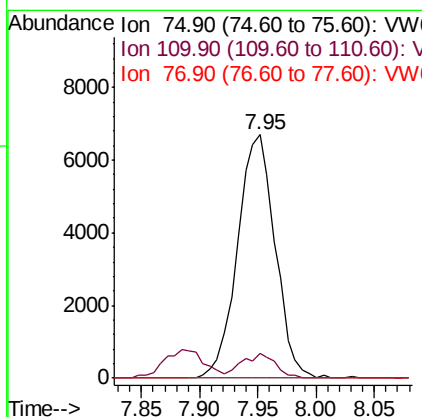
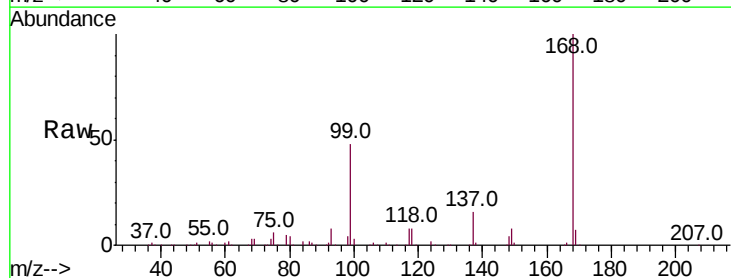
Instrument :
 MSVOA_W
 ClientSampleId :

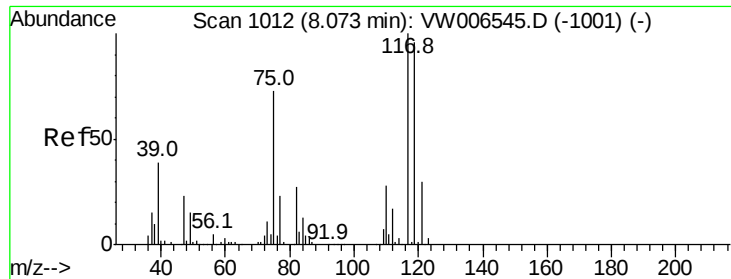
Tot Ion:113 Resp: 83158
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.2
 192 23.8 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 4.874 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006756.D
 Acq: 07 Nov 2018 23:52

Tgt Ion: 75 Resp: 15039
 Ion Ratio Lower Upper
 75 100
 110 9.1 19.5 58.5#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 6.362 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006756.D

Acq: 07 Nov 2018 23:52

Instrument :
MSVOA_W
ClientSampleId :

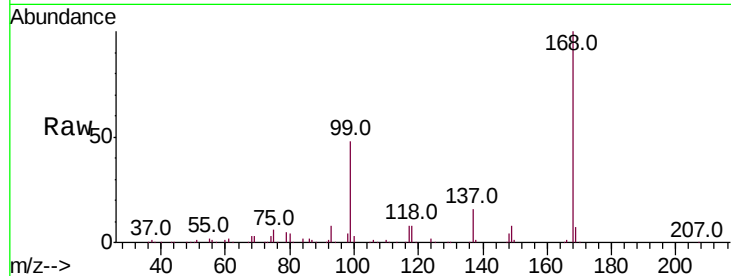
Tot Ion:117 Resp: 20514

Ion Ratio Lower Upper

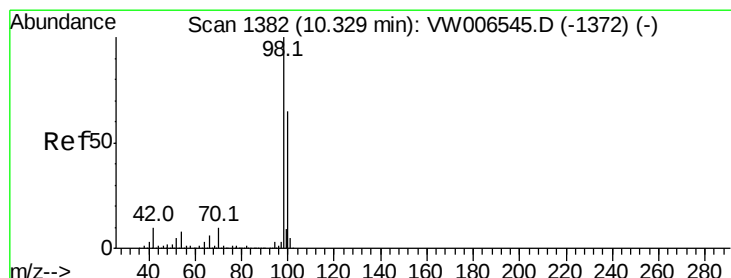
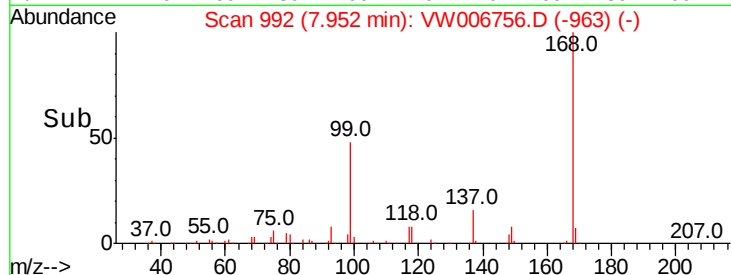
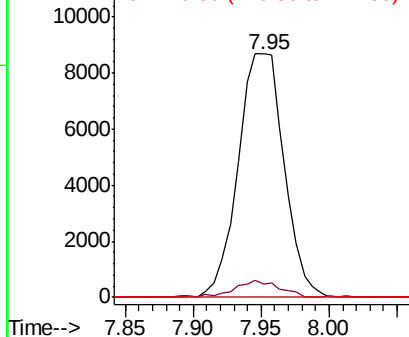
117 100

119 5.5 76.3 114.5#

121 0.0 24.1 36.1#



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: 31.602 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006756.D

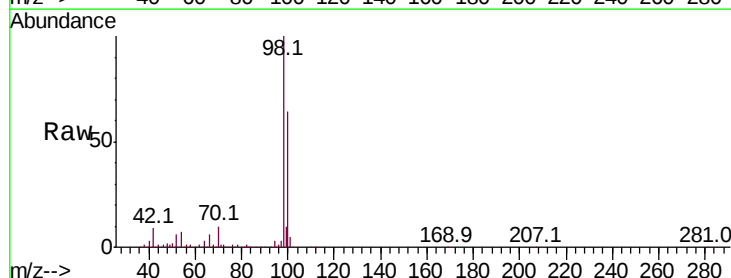
Acq: 07 Nov 2018 23:52

Tgt Ion: 98 Resp: 264928

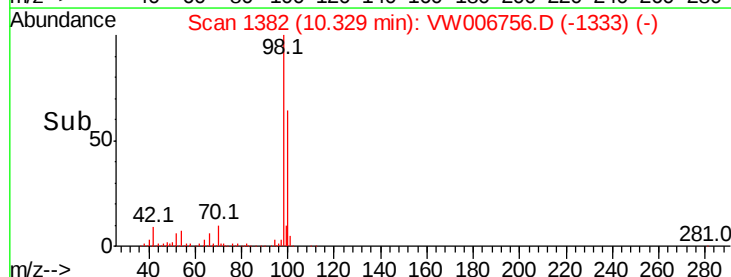
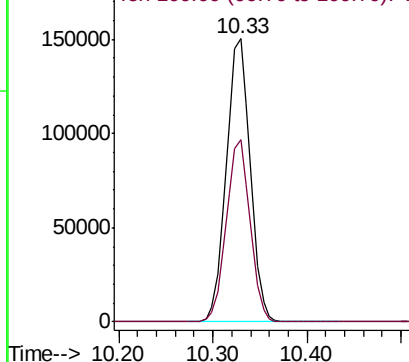
Ion Ratio Lower Upper

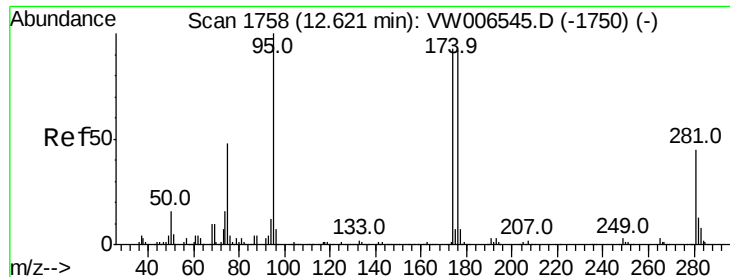
98 100

100 63.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 28.338 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006756.D

Acq: 07 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

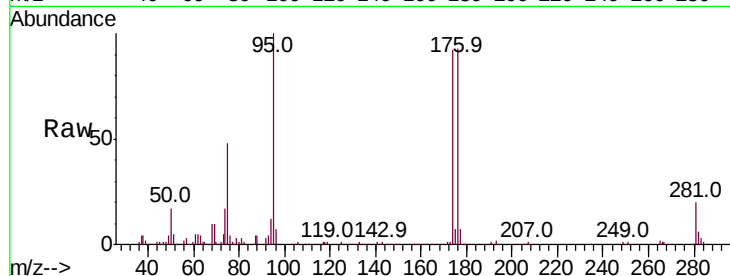
Tot Ion: 95 Resp: 86126

Ion Ratio Lower Upper

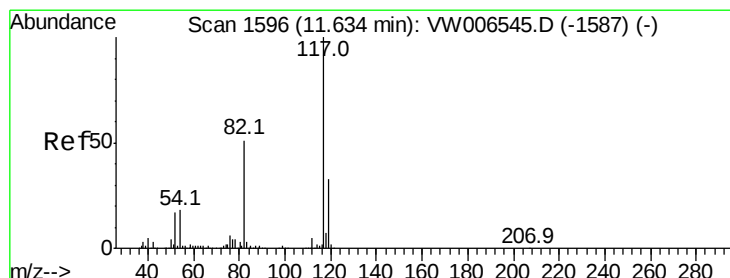
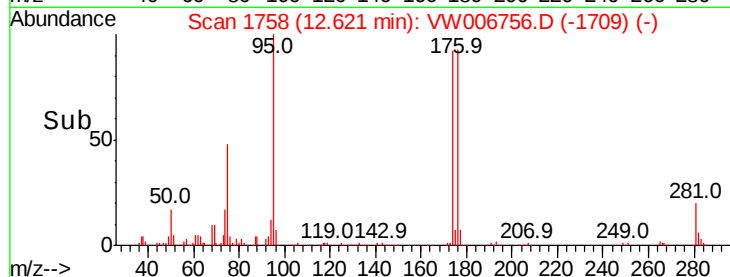
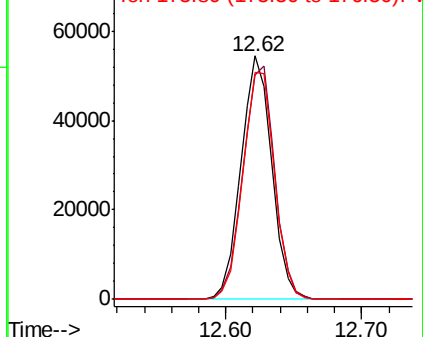
95 100

174 98.7 0.0 192.4

176 96.4 0.0 187.4



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: VW006756.D

Acq: 07 Nov 2018 23:52

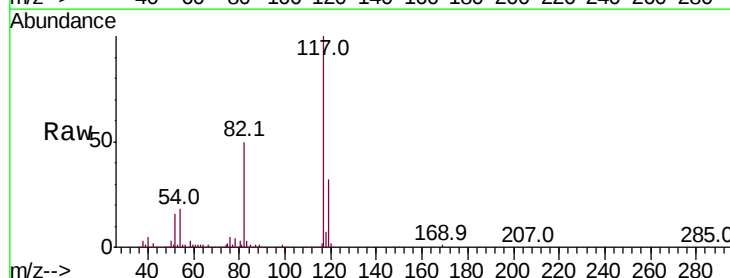
Tgt Ion: 117 Resp: 321971

Ion Ratio Lower Upper

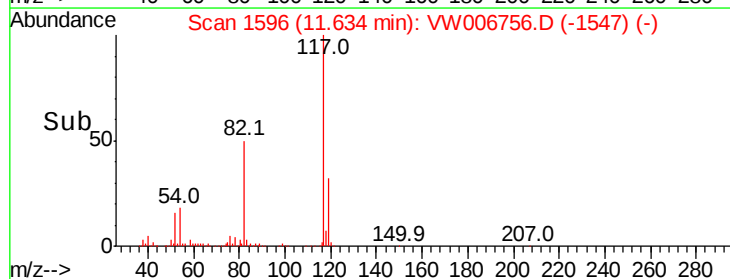
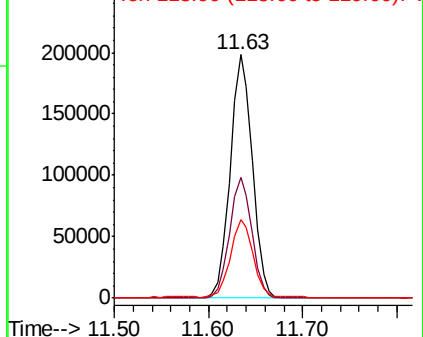
117 100

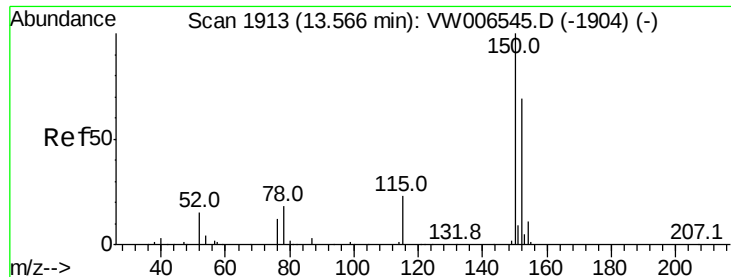
82 49.6 40.8 61.2

119 31.7 26.1 39.1



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



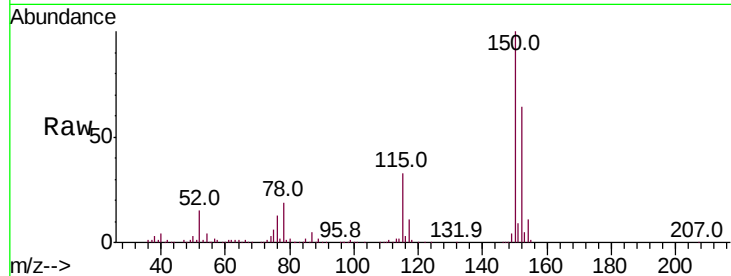


#72

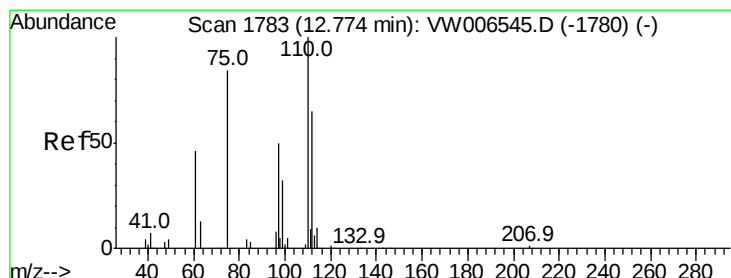
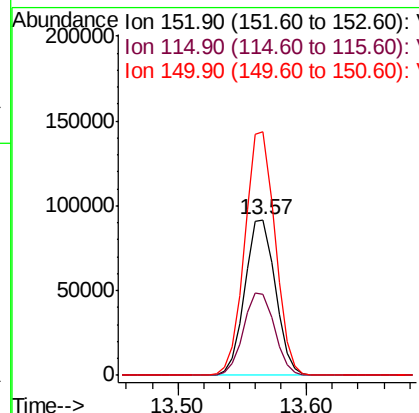
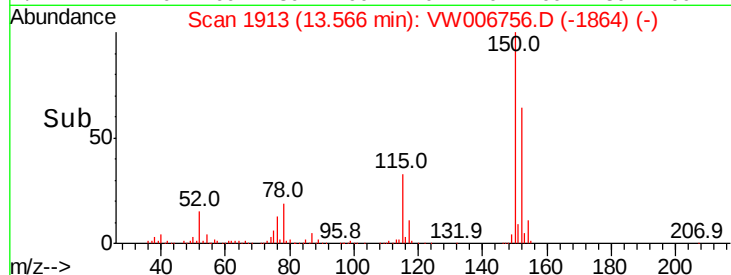
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006756.D
Acq: 07 Nov 2018 23:52

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 149822
Ion Ratio Lower Upper
152 100
115 53.6 26.6 79.8
150 155.7 0.0 344.6



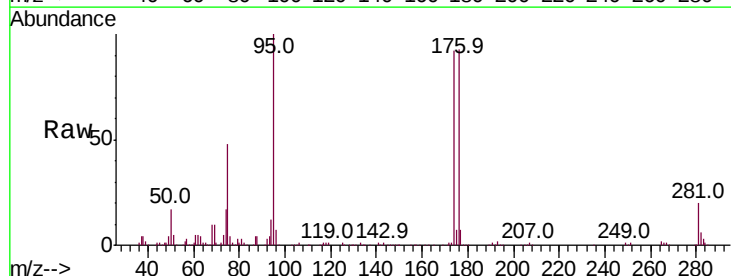
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



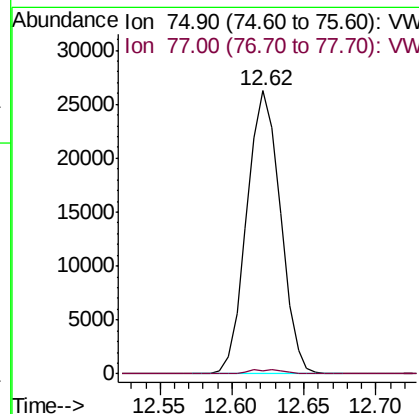
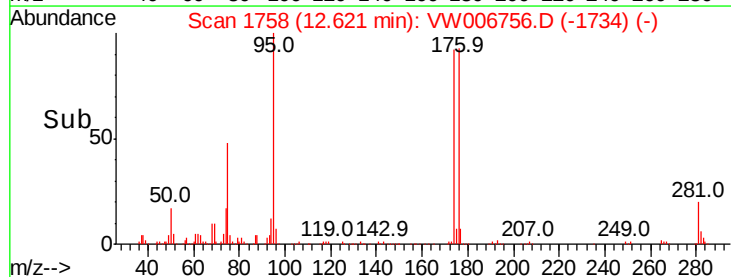
#76

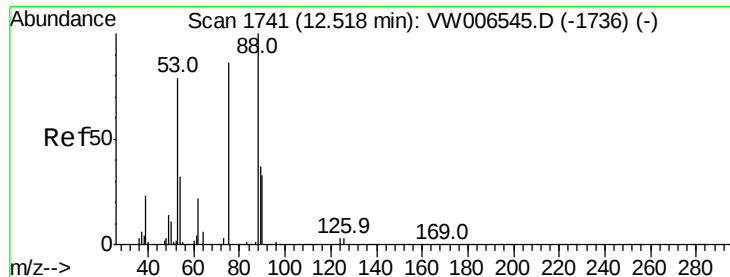
1,2,3-Trichloropropane
Concen: 36.346 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW006756.D
Acq: 07 Nov 2018 23:52

Tgt Ion: 75 Resp: 42487
Ion Ratio Lower Upper
75 100
77 1.4 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: 91.778 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006756.D

Acq: 07 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

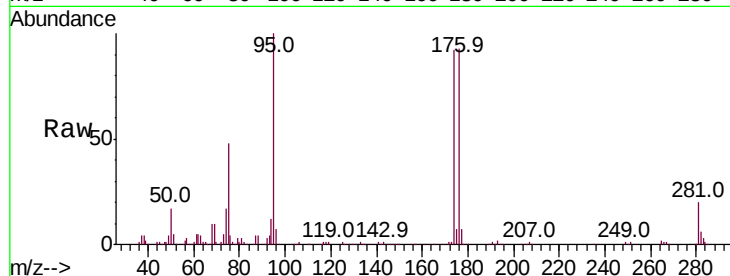
Tot Ion: 75 Resp: 42487

Ion Ratio Lower Upper

75 100

53 0.0 77.2 115.8#

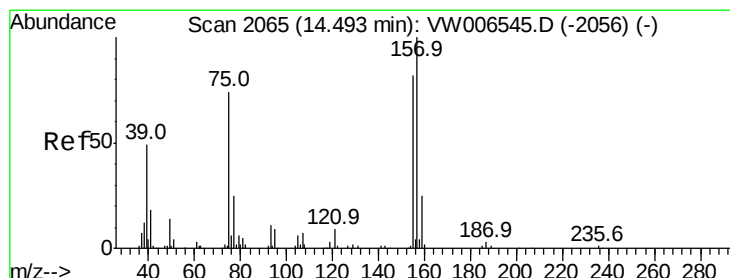
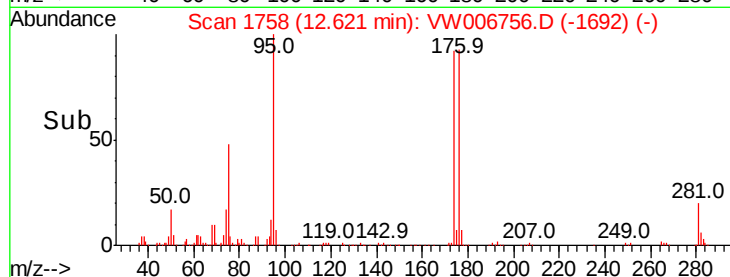
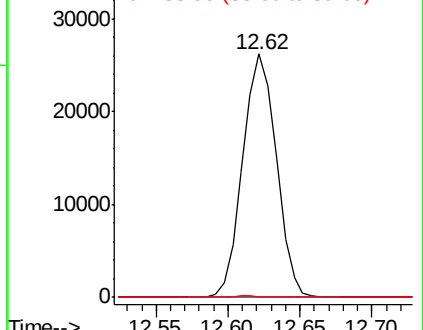
89 0.3 38.6 58.0#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.589 ug/l

RT: 14.33 min Scan# 2039

Delta R.T. -0.16 min

Lab File: VW006756.D

Acq: 07 Nov 2018 23:52

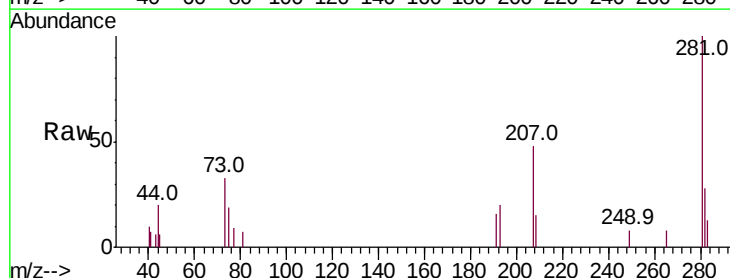
Tgt Ion: 75 Resp: 402

Ion Ratio Lower Upper

75 100

155 0.0 50.6 151.8#

157 0.0 65.0 195.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

