

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102218\
 Data File : VW006252.D
 Acq On : 22 Oct 2018 15:35
 Operator : VA/AP
 Sample : J5610-05
 Misc : 4.99G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3(0-2)

Quant Time: Oct 23 04:06:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	304563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	443490	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	327816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	97970	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	87848	34.79	ug/l	0.00
Spiked Amount			Recovery	=	69.58%	
35) Dibromofluoromethane	7.89	113	86975	33.19	ug/l	0.00
Spiked Amount			Recovery	=	66.38%	
50) Toluene-d8	10.33	98	262526	26.33	ug/l	0.00
Spiked Amount			Recovery	=	52.66%	
62) 4-Bromofluorobenzene	12.62	95	76582	20.45	ug/l	0.00
Spiked Amount			Recovery	=	40.90%	

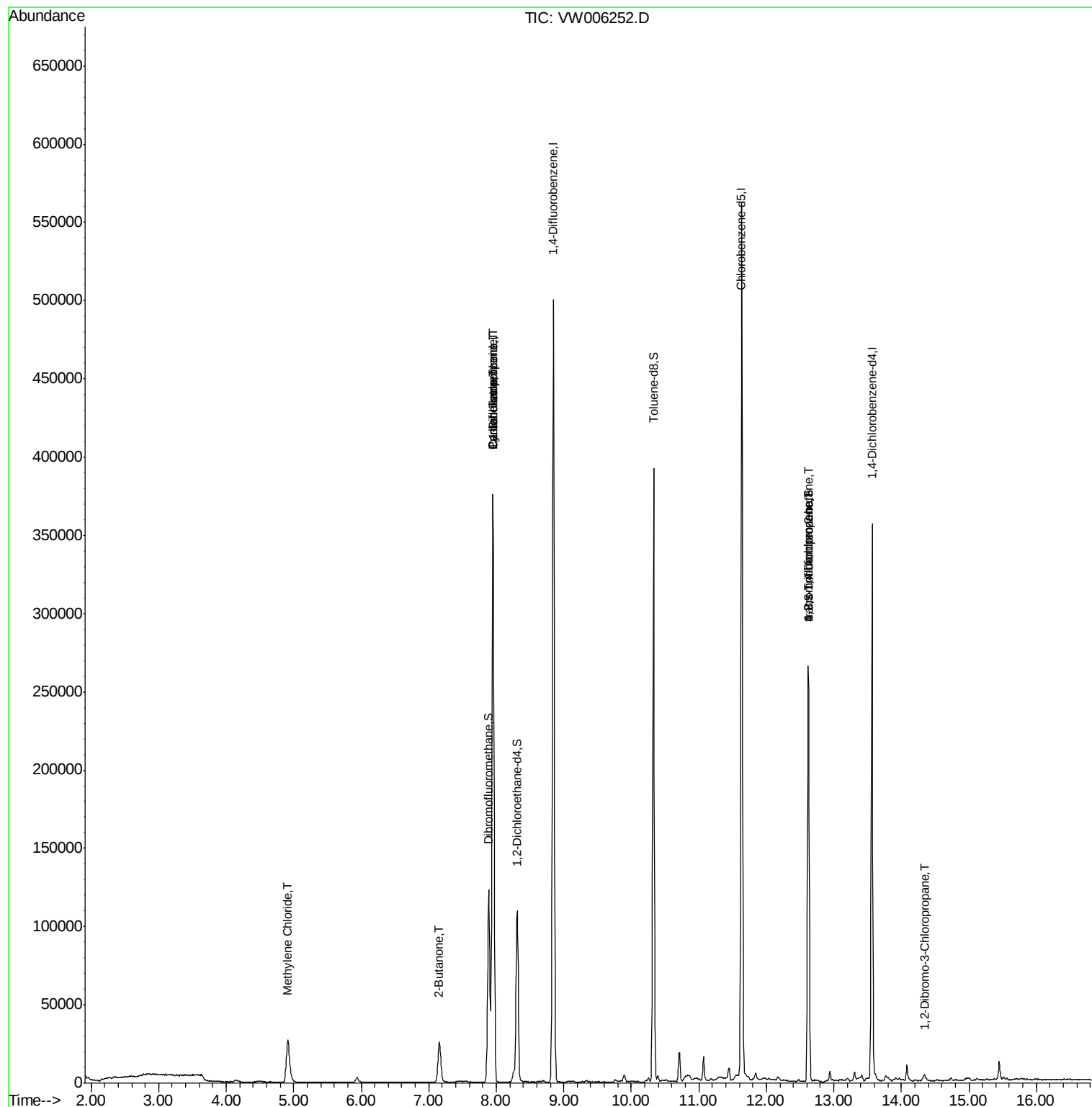
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	2770	Below Cal		99
20) Methylene Chloride	4.91	84	24352	7.739	ug/l	97
25) 2-Butanone	7.16	43	1725	2.529	ug/l #	64
31) Cyclohexane	7.95	56	5222	1.130	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19728	4.826	ug/l #	49
38) Carbon Tetrachloride	7.95	117	26636	5.944	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	38210	51.063	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	38210	122.060	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.35	75	333	1.767	ug/l #	1

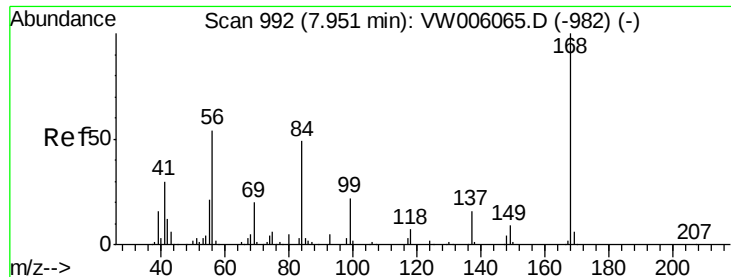
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-3(0-2)

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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 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: VW006252.D

Acq: 22 Oct 2018 15:35

Instrument :

MSVOA_W

ClientSampleId :

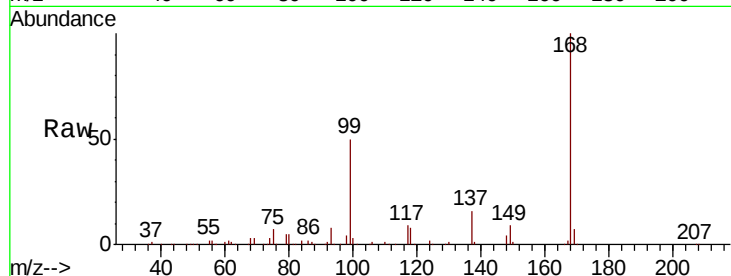
SB-3(0-2)

Tot Ion:168 Resp: 304563

Ion Ratio Lower Upper

168 100

99 50.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

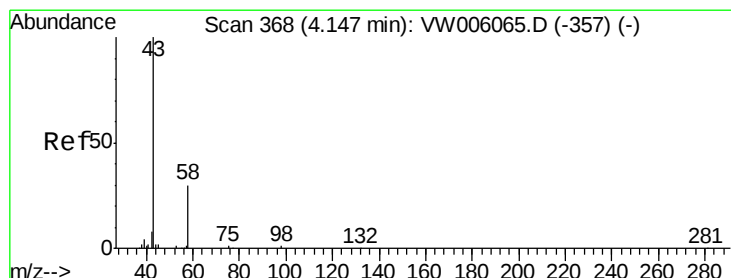
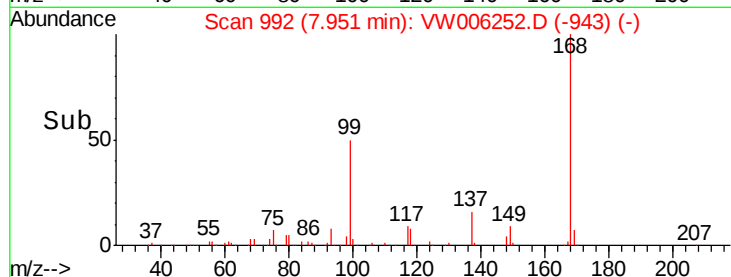
150000

100000

50000

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. -0.00 min

Lab File: VW006252.D

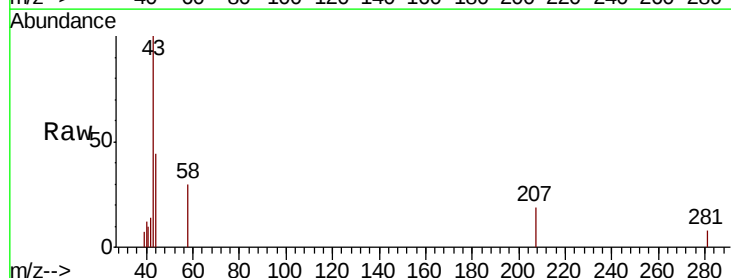
Acq: 22 Oct 2018 15:35

Tgt Ion: 43 Resp: 2770

Ion Ratio Lower Upper

43 100

58 30.3 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

1000

800

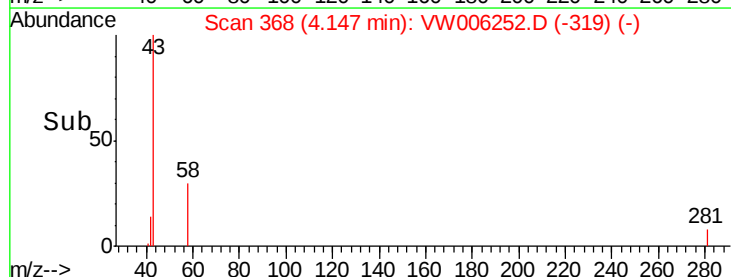
600

400

200

0

Time-->





#20

Methvlene Chloride

Concen: 7.739 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006252.D

Acq: 22 Oct 2018 15:35

Instrument :

MSVOA_W

ClientSampled :

SB-3(0-2)

Tot Ion: 84 Resp: 24352

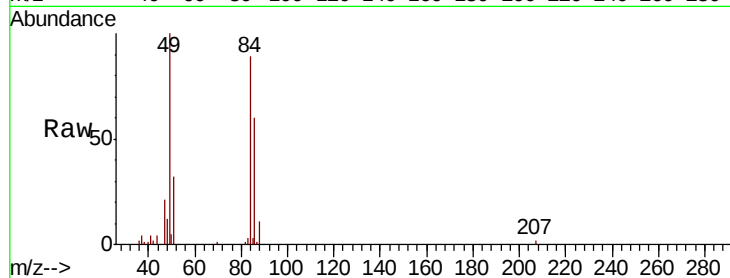
Ion Ratio Lower Upper

84 100

49 112.1 93.6 140.4

51 35.5 29.0 43.4

86 66.8 52.6 79.0

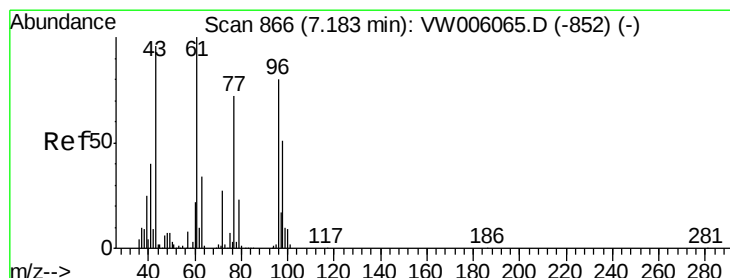
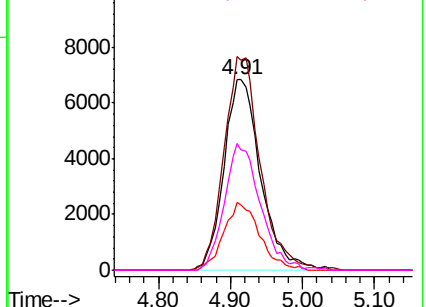
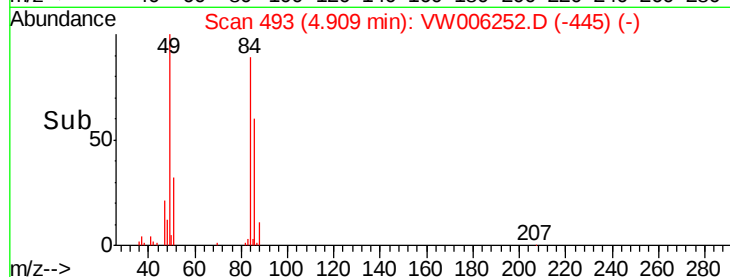


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 2.529 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.02 min

Lab File: VW006252.D

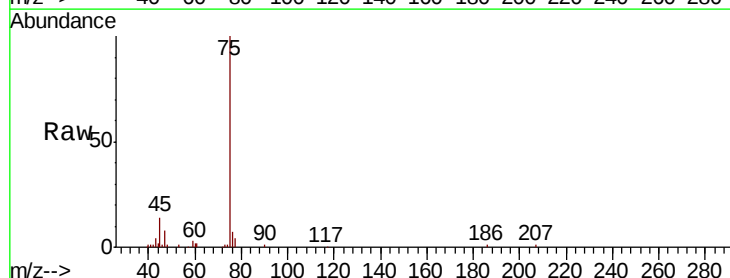
Acq: 22 Oct 2018 15:35

Tgt Ion: 43 Resp: 1725

Ion Ratio Lower Upper

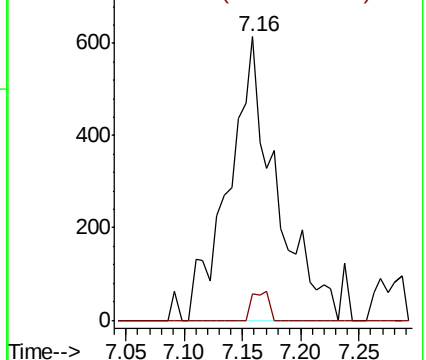
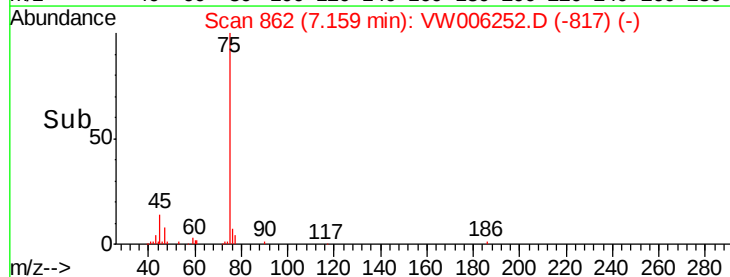
43 100

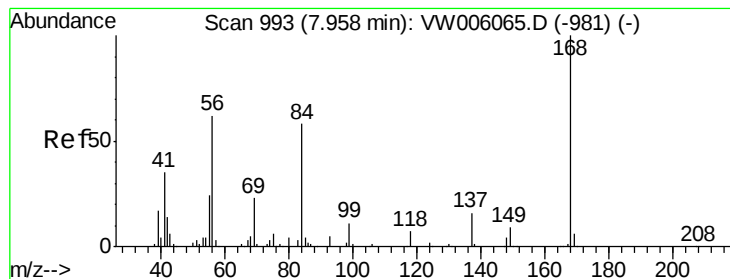
72 9.4 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.130 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006252.D

Acq: 22 Oct 2018 15:35

Instrument :

MSVOA_W

ClientSampleId :

SB-3(0-2)

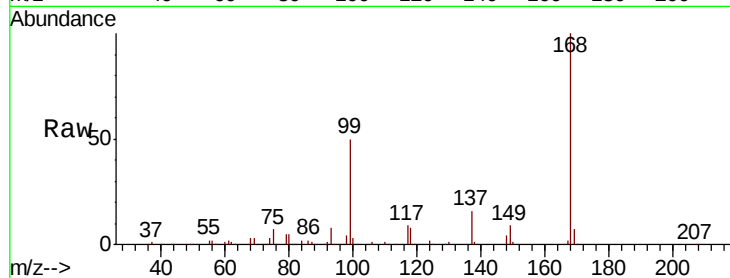
Tot Ion: 56 Resp: 5222

Ion Ratio Lower Upper

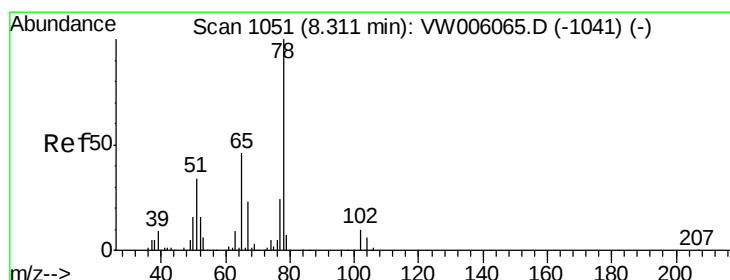
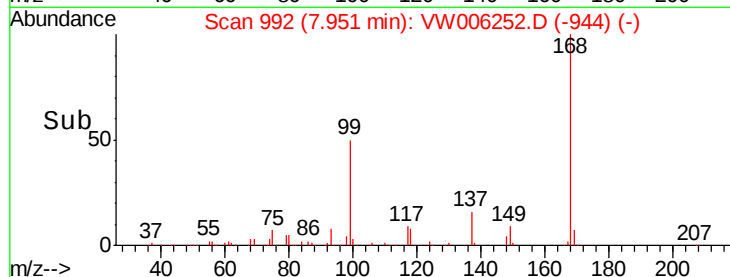
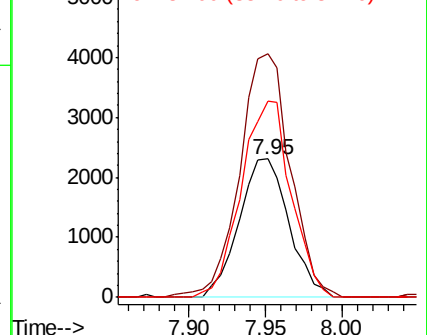
56 100

69 176.0 29.4 44.0#

84 142.1 74.0 111.0#



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: 34.791 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006252.D

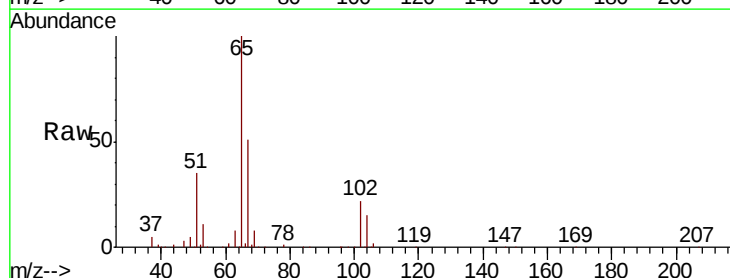
Acq: 22 Oct 2018 15:35

Tgt Ion: 65 Resp: 87848

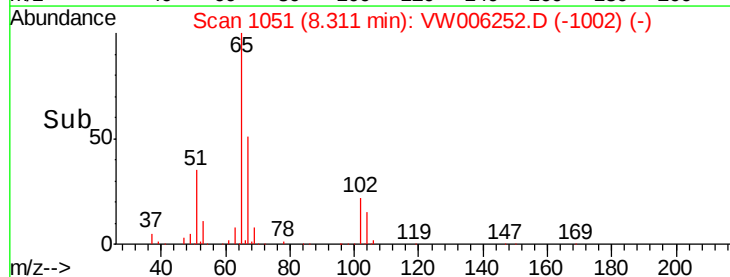
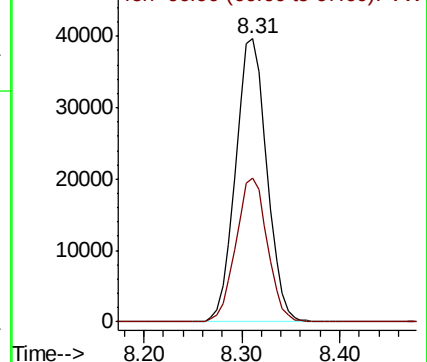
Ion Ratio Lower Upper

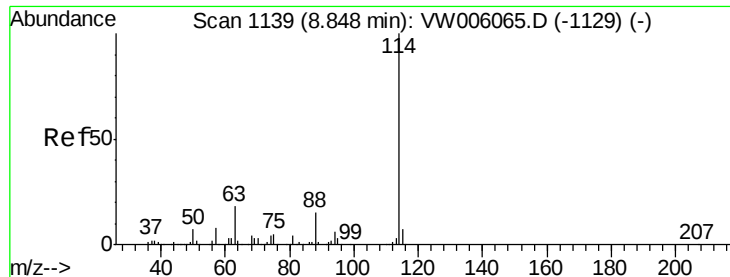
65 100

67 51.2 0.0 101.0



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

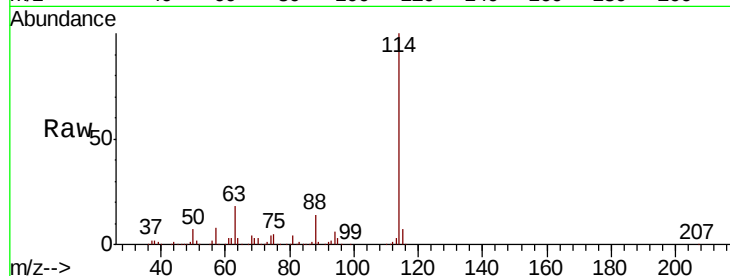




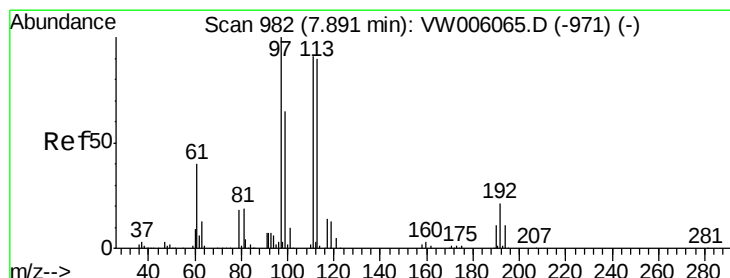
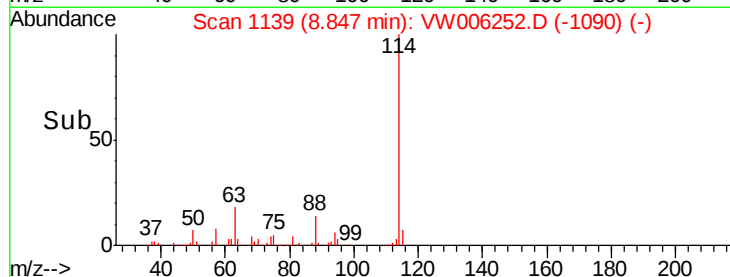
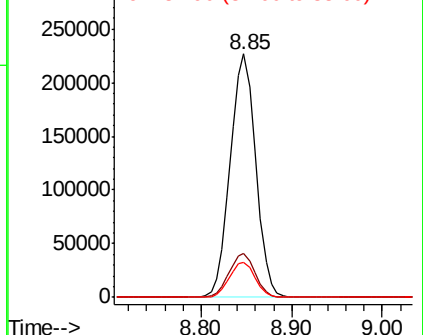
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006252.D
 Acq: 22 Oct 2018 15:35

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3(0-2)

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	36.8
88	14.4	0.0	29.0

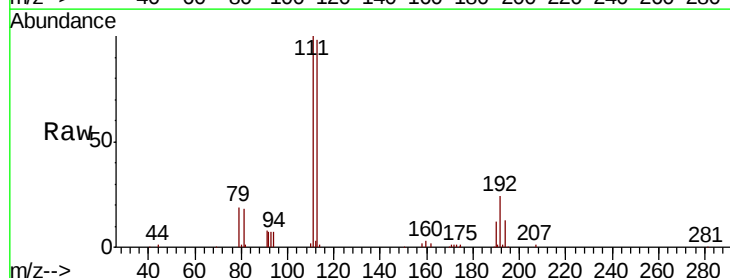


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

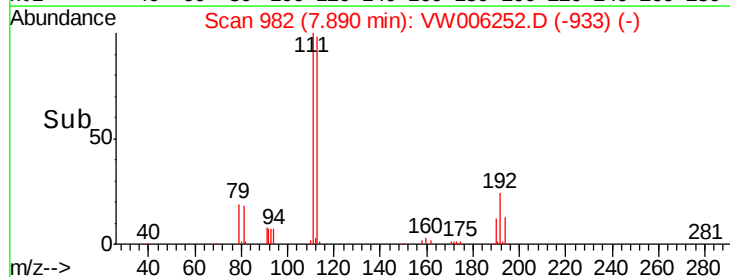
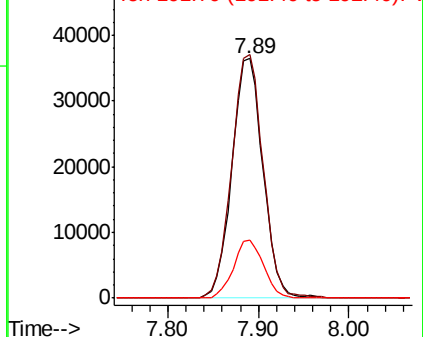


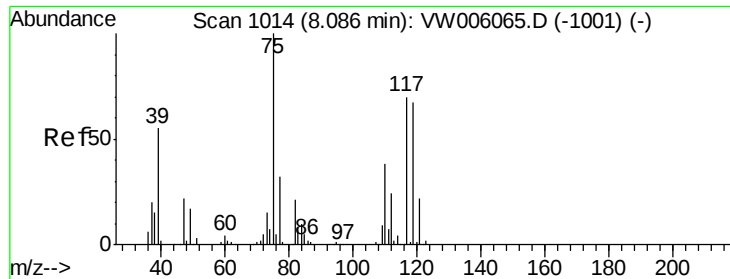
#35
 Dibromofluoromethane
 Concen: 33.189 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW006252.D
 Acq: 22 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.0
192	23.5	18.7	28.1



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

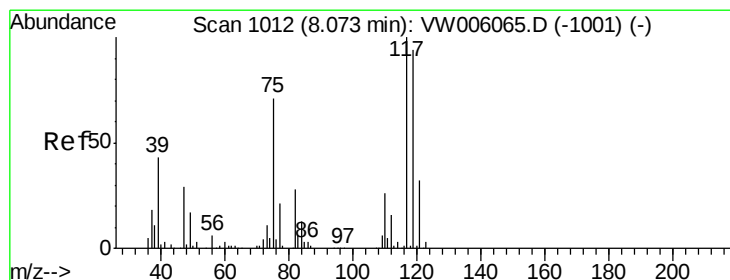
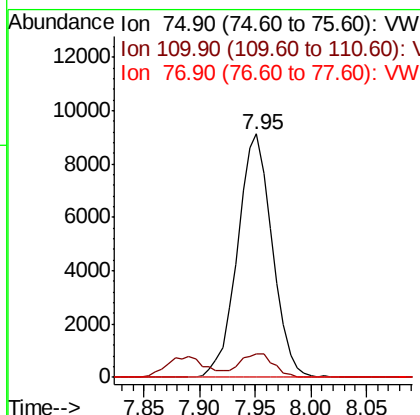
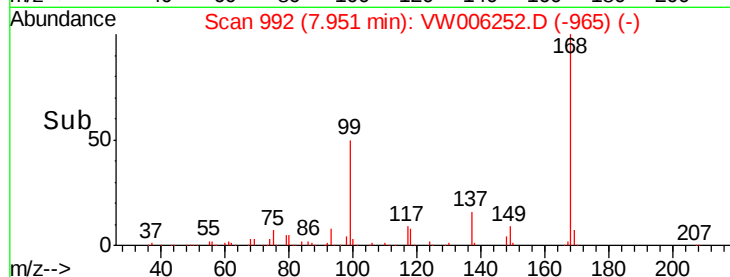
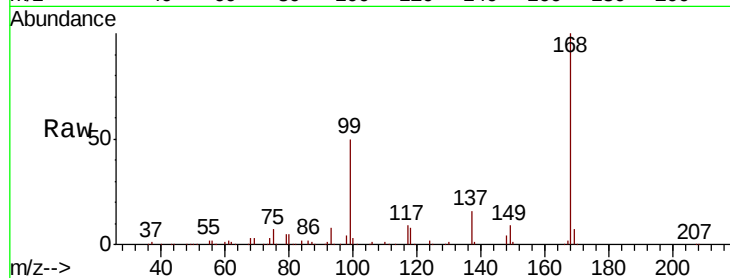




#36
 1,1-Dichloropropene
 Concen: 4.826 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006252.D
 Acq: 22 Oct 2018 15:35

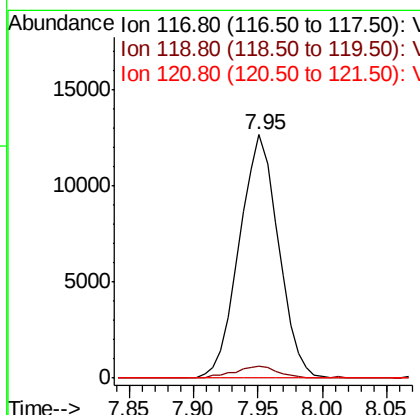
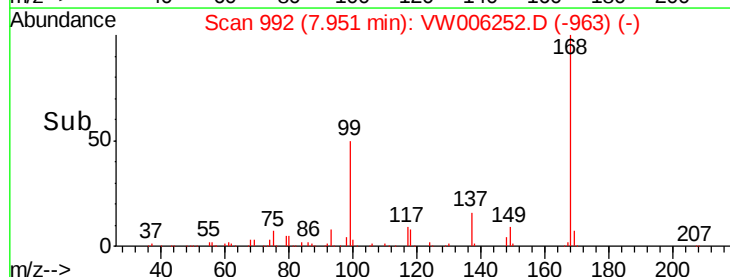
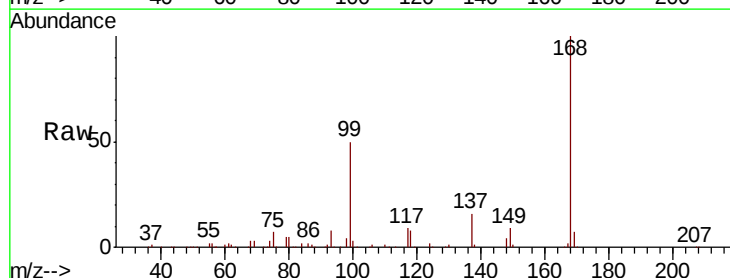
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3(0-2)

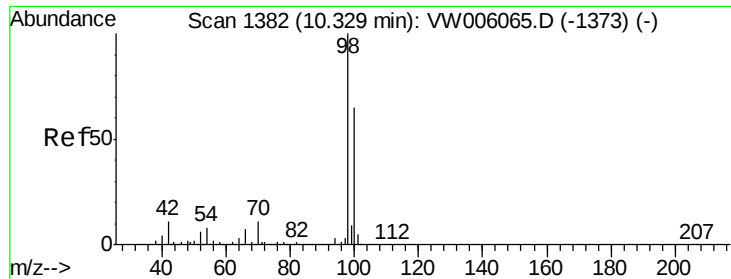
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.1	57.1#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.944 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006252.D
 Acq: 22 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.2	112.8#
121	0.0	25.3	37.9#





#50

Toluene-d8

Concen: 26.332 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006252.D

Acq: 22 Oct 2018 15:35

Instrument :

MSVOA_W

ClientSampleId :

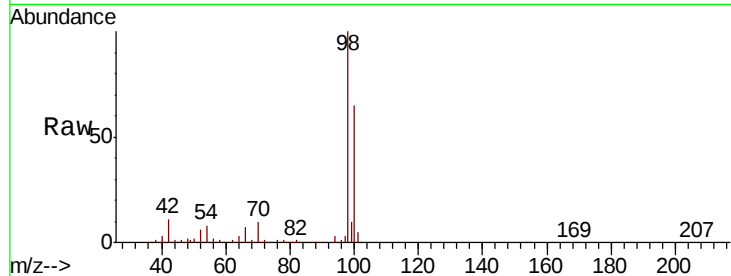
SB-3(0-2)

Tot Ion: 98 Resp: 262526

Ion Ratio Lower Upper

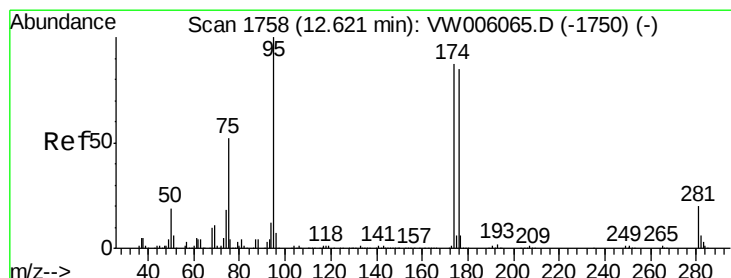
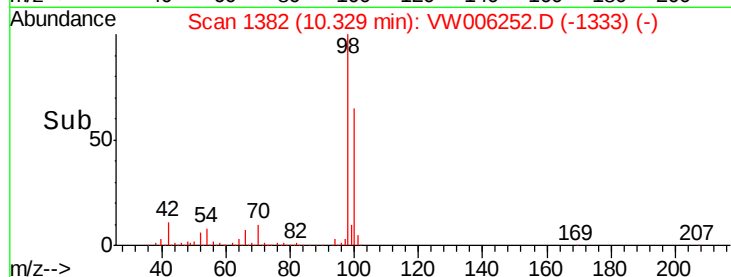
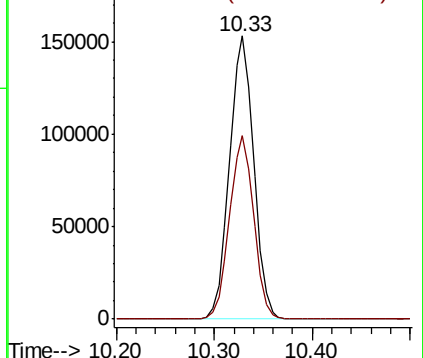
98 100

100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 20.451 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006252.D

Acq: 22 Oct 2018 15:35

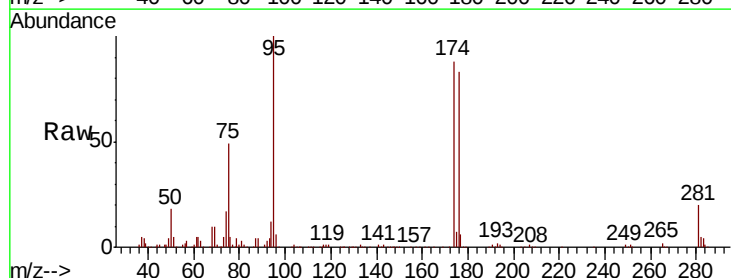
Tgt Ion: 95 Resp: 76582

Ion Ratio Lower Upper

95 100

174 96.7 0.0 186.0

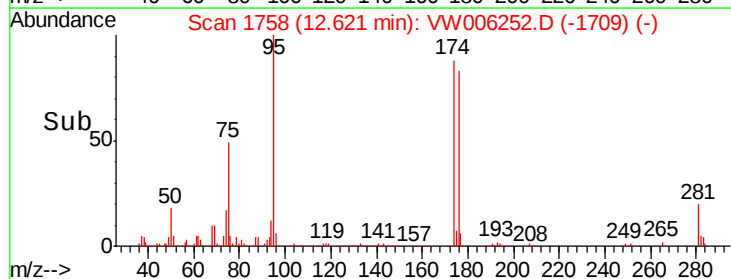
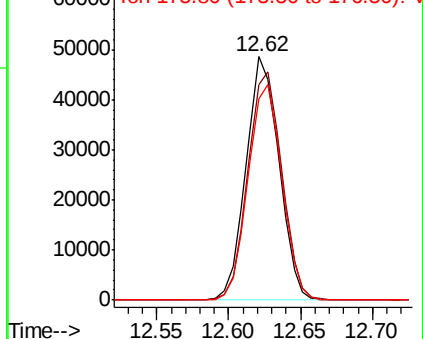
176 91.2 0.0 181.6

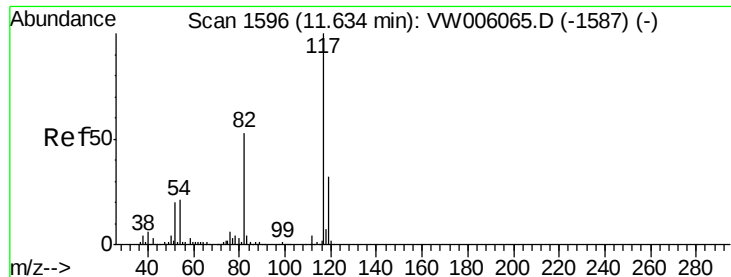


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

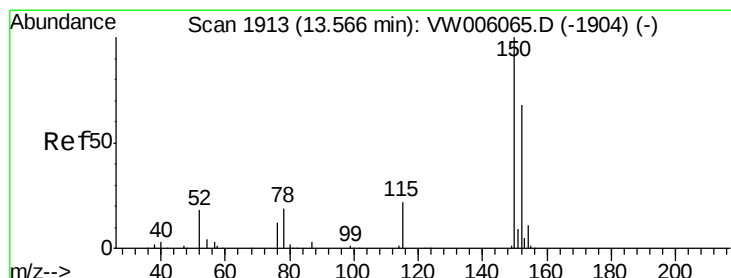
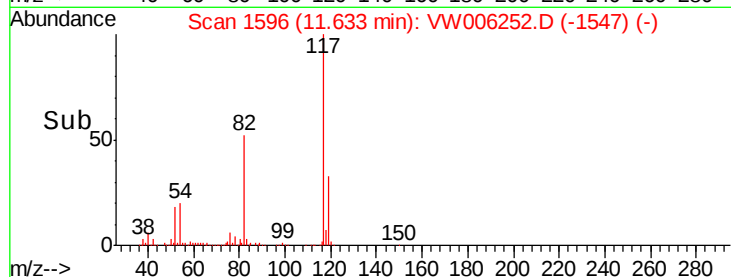
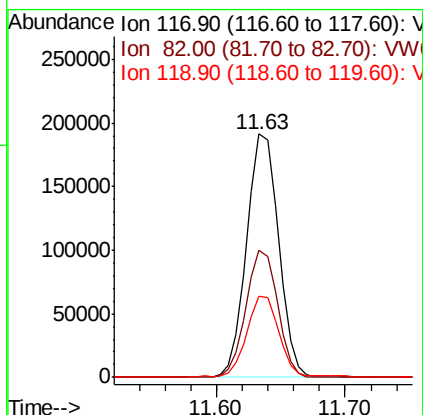
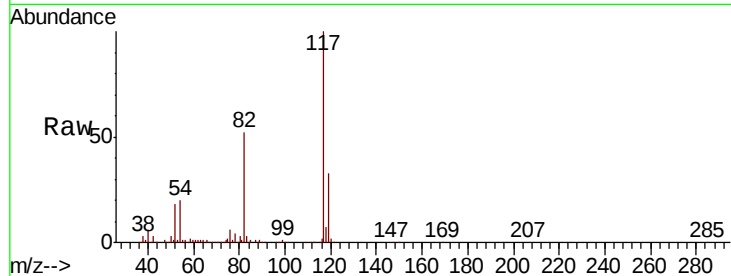




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006252.D
Acq: 22 Oct 2018 15:35

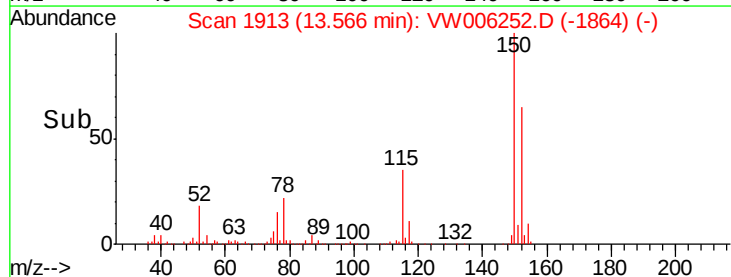
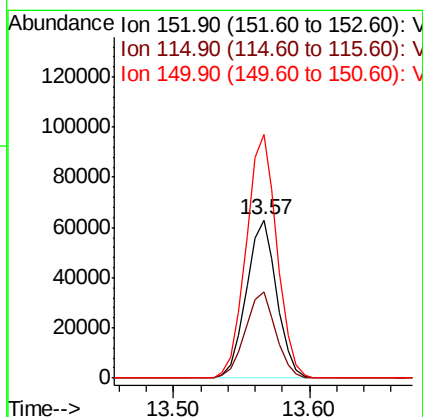
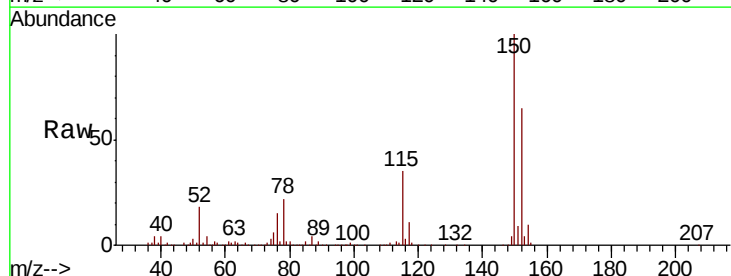
Instrument :
MSVOA_W
ClientSampleId :
SB-3(0-2)

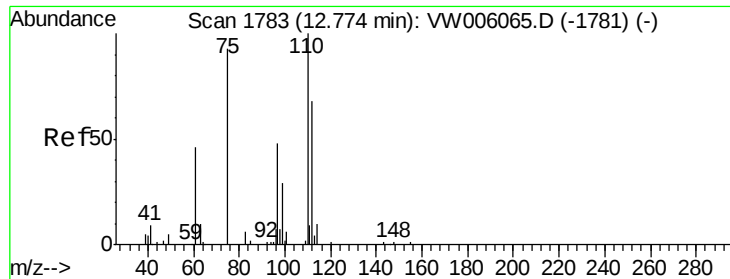
Tot Ion:117 Resp: 327816
Ion Ratio Lower Upper
117 100
82 52.1 42.1 63.1
119 33.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006252.D
Acq: 22 Oct 2018 15:35

Tgt Ion:152 Resp: 97970
Ion Ratio Lower Upper
152 100
115 54.9 27.8 83.3
150 157.1 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 51.063 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006252.D

Acq: 22 Oct 2018 15:35

Instrument :

MSVOA_W

ClientSampleId :

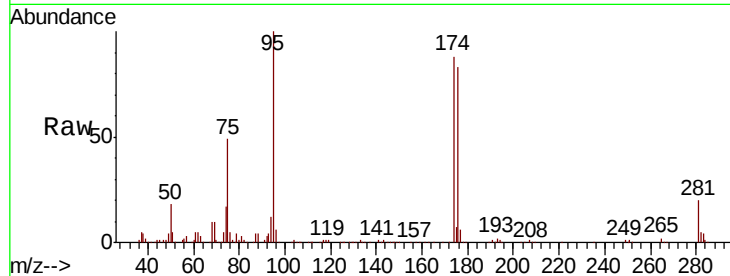
SB-3(0-2)

Tot Ion: 75 Resp: 38210

Ion Ratio Lower Upper

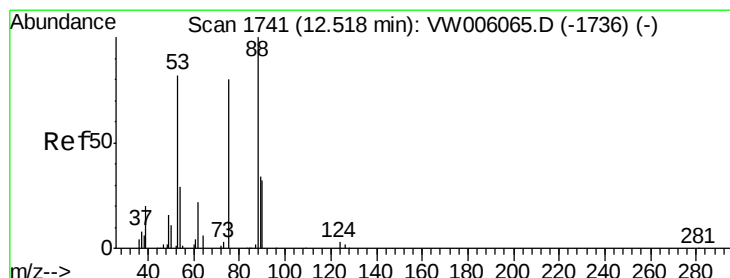
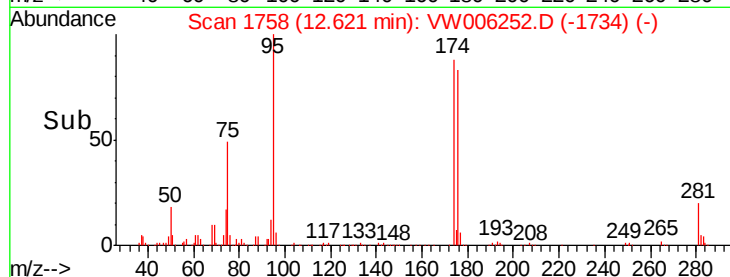
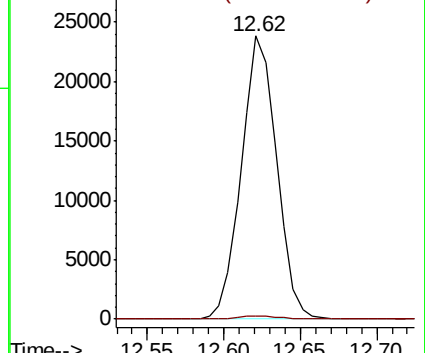
75 100

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: 122.060 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006252.D

Acq: 22 Oct 2018 15:35

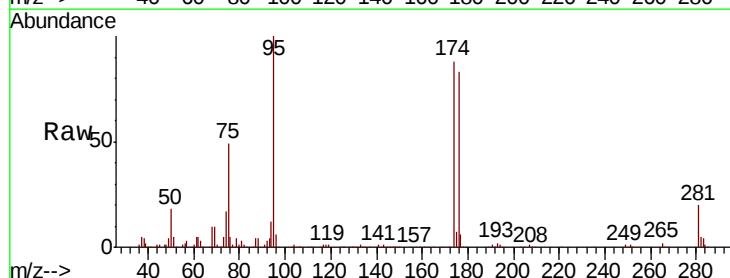
Tgt Ion: 75 Resp: 38210

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

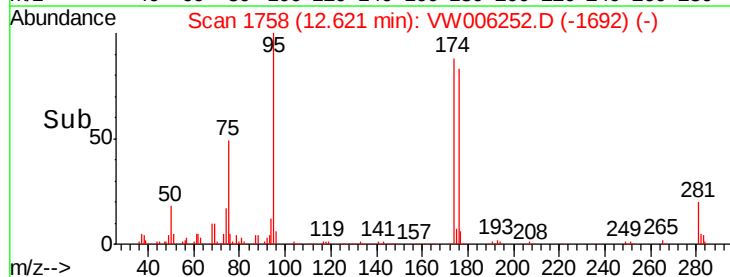
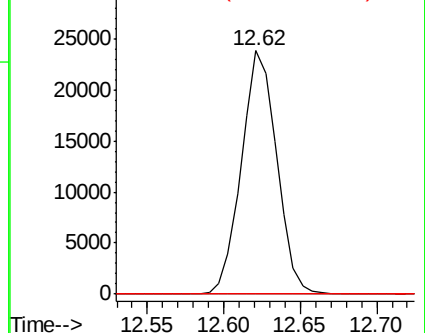
89 0.0 37.5 56.3#

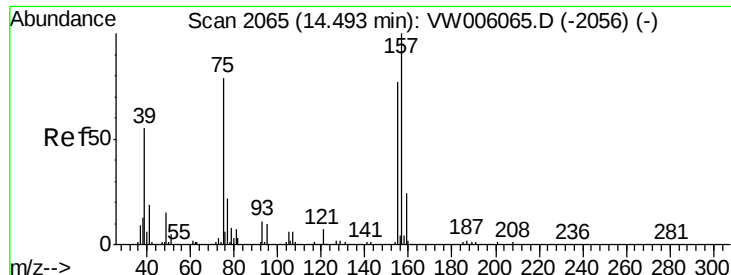


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.767 ug/l

RT: 14.35 min Scan# 2041

Delta R.T. -0.15 min

Lab File: VW006252.D

Acq: 22 Oct 2018 15:35

Instrument :

MSVOA_W

ClientSampleId :

SB-3(0-2)

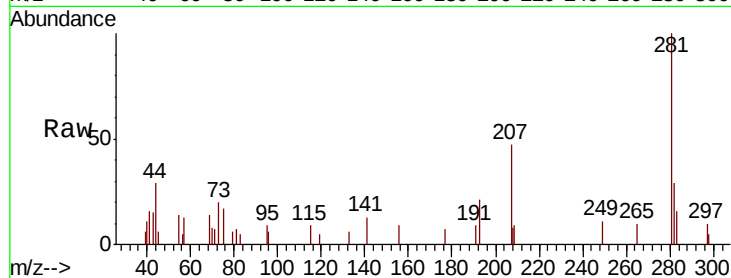
Tot Ion: 75 Resp: 333

Ion Ratio Lower Upper

75 100

155 0.0 46.5 139.5#

157 0.0 59.8 179.4#



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

