

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051018\
 Data File : VW002402.D
 Acq On : 11 May 2018 02:04
 Operator : JC/SY
 Sample : J2822-02
 Misc : 5.75G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 11 04:58:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	166026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	256464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	238376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	122703	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	76166	43.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.40%	
35) Dibromofluoromethane	7.88	113	71373	43.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.84%	
50) Toluene-d8	10.33	98	235356	37.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	75.10%	
62) 4-Bromofluorobenzene	12.63	95	90277	39.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	79.70%	

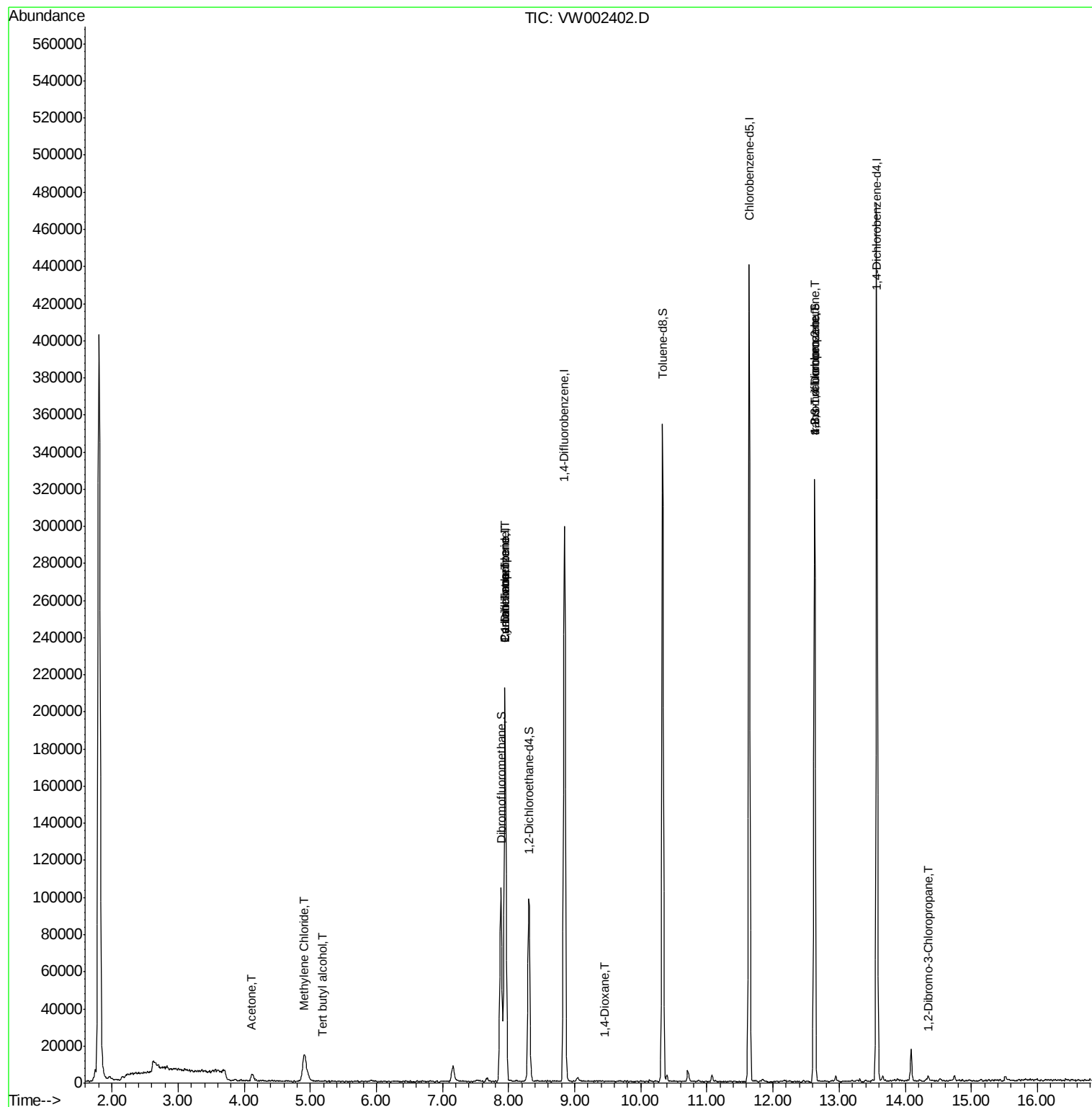
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	156	1.22	ug/l #	85
16) Acetone	4.12	43	7179	20.85	ug/l #	78
20) Methylene Chloride	4.91	84	15255	9.19	ug/l	95
31) Cyclohexane	7.95	56	3691	1.41	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	12137	5.23	ug/l #	49
38) Carbon Tetrachloride	7.95	117	15826	7.06	ug/l #	16
49) 1,4-Dioxane	9.45	88	29	1.92	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	46029	42.30	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	46029	111.43	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.35	75	274	1.03	ug/l #	1

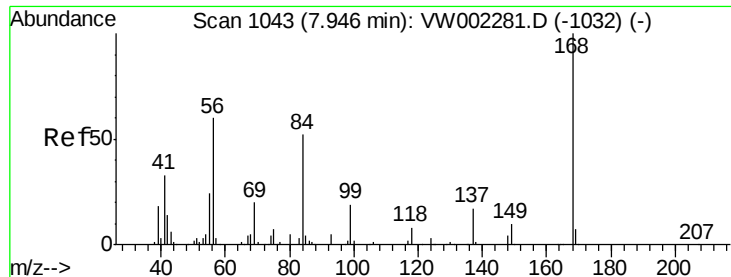
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 08 03:57:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002402.D

Acq: 11 May 2018 02:04

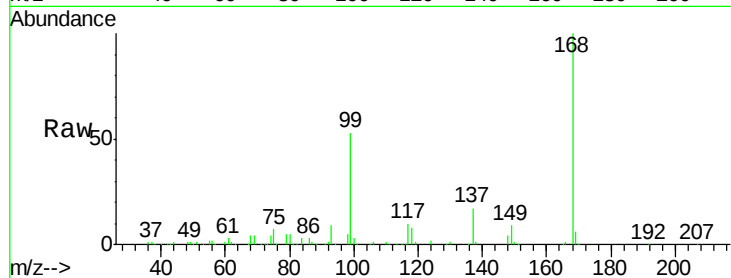
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 166026

Ion Ratio Lower Upper

168 100

99 53.4 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

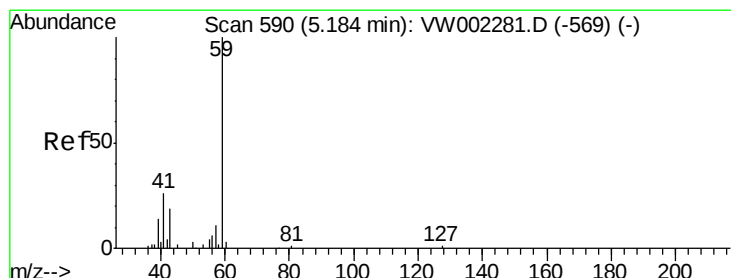
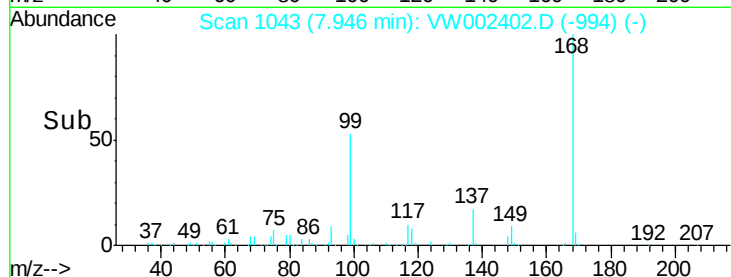
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 1.22 ug/l

RT: 5.19 min Scan# 591

Delta R.T. 0.01 min

Lab File: VW002402.D

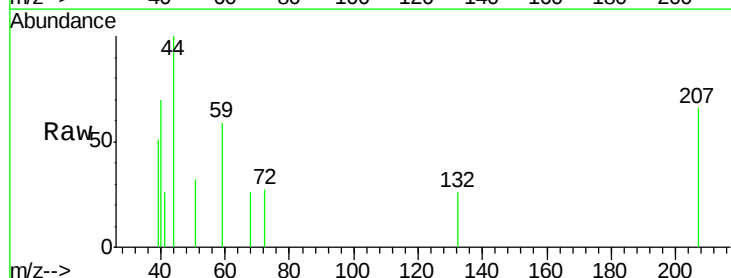
Acq: 11 May 2018 02:04

Tgt Ion: 59 Resp: 156

Ion Ratio Lower Upper

59 100

57 0.0 3.9 5.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.19

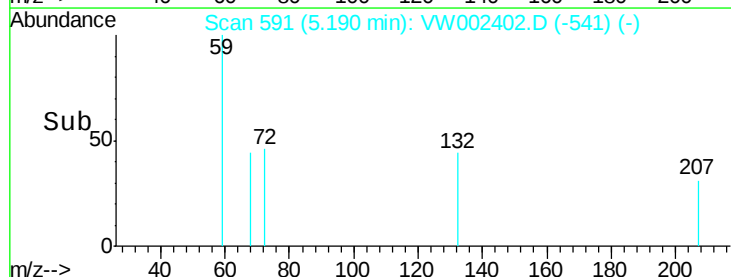
100

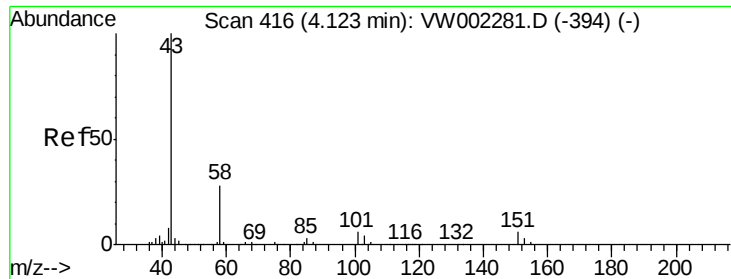
50

0

5.16 5.18 5.20 5.22

Time-->





#16

Acetone

Concen: 20.85 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW002402.D

Acq: 11 May 2018 02:04

Instrument :

MSVOA_W

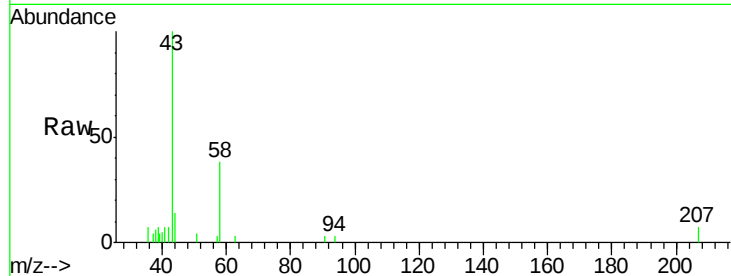
ClientSampled :

Tot Ion: 43 Resp: 7179

Ion Ratio Lower Upper

43 100

58 39.1 22.2 33.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

2500

2000

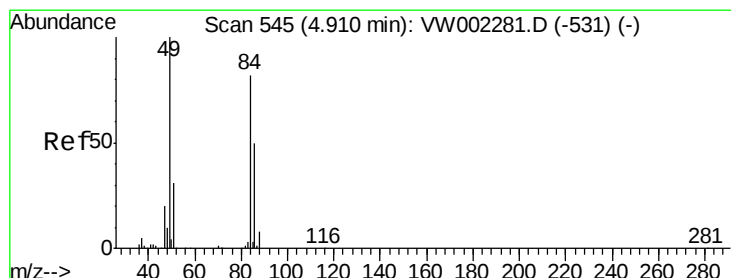
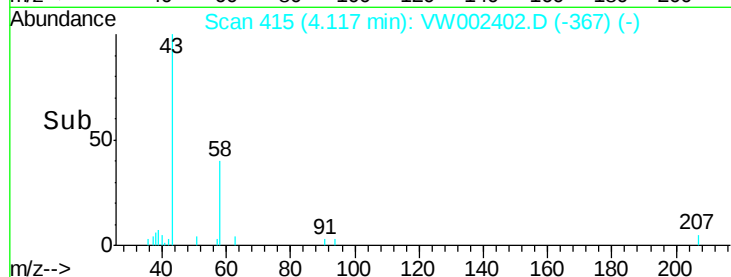
1500

1000

500

0

Time--> 4.00 4.10 4.20



#20

Methylene Chloride

Concen: 9.19 ug/l

RT: 4.91 min Scan# 545

Delta R.T. -0.00 min

Lab File: VW002402.D

Acq: 11 May 2018 02:04

Tgt Ion: 84 Resp: 15255

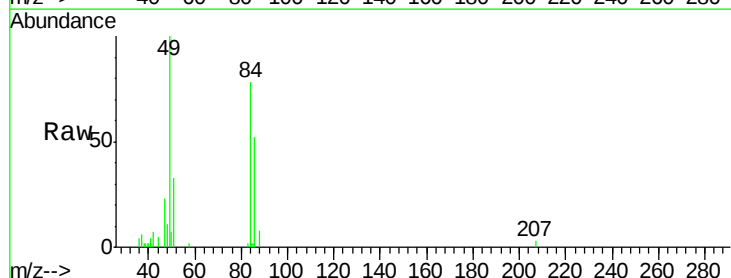
Ion Ratio Lower Upper

84 100

49 126.6 97.7 146.5

51 42.1 30.2 45.4

86 66.1 48.9 73.3



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

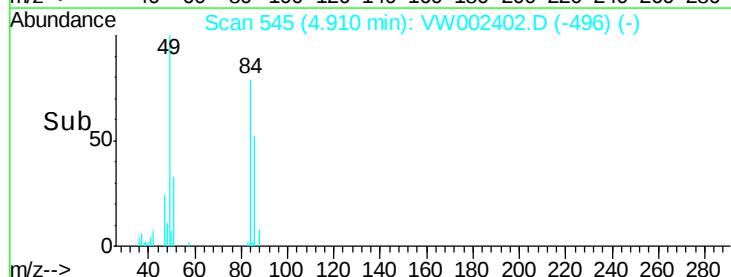
6000

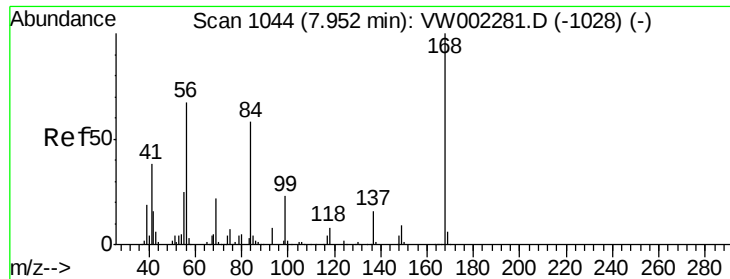
4000

2000

0

Time--> 4.80 4.90 5.00 5.10





#31

Cyclohexane

Concen: 1.41 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW002402.D

Acq: 11 May 2018 02:04

Instrument :

MSVOA_W

ClientSampleId :

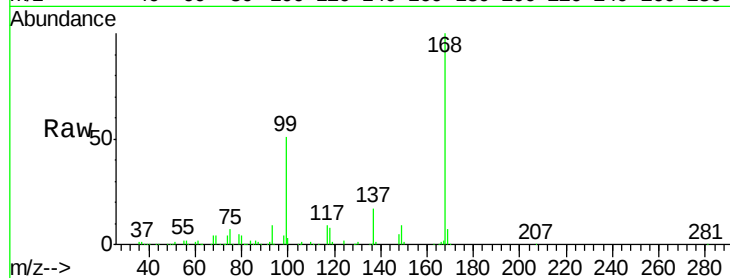
Tot Ion: 56 Resp: 3691

Ion Ratio Lower Upper

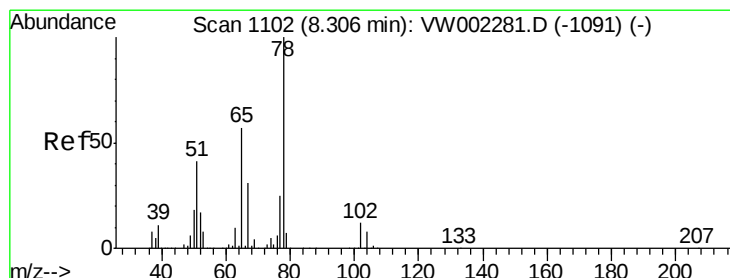
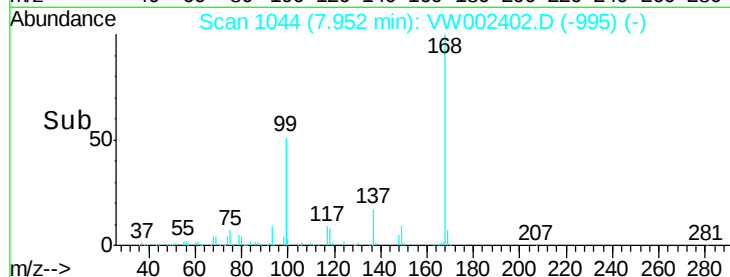
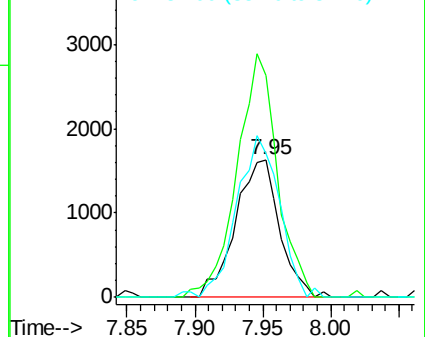
56 100

69 161.2 26.2 39.4#

84 104.3 69.2 103.8#



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: 43.20 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002402.D

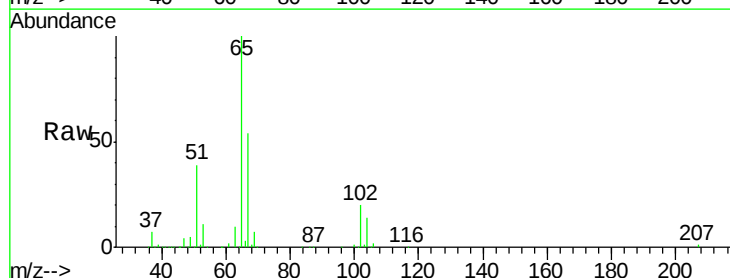
Acq: 11 May 2018 02:04

Tgt Ion: 65 Resp: 76166

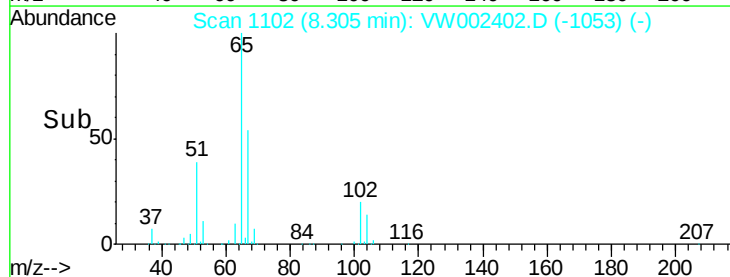
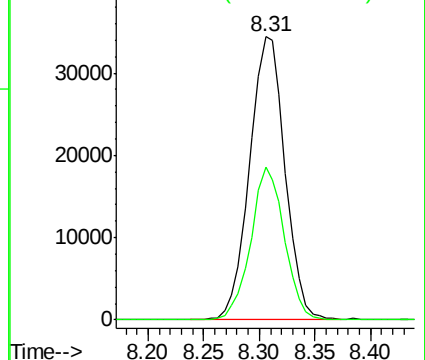
Ion Ratio Lower Upper

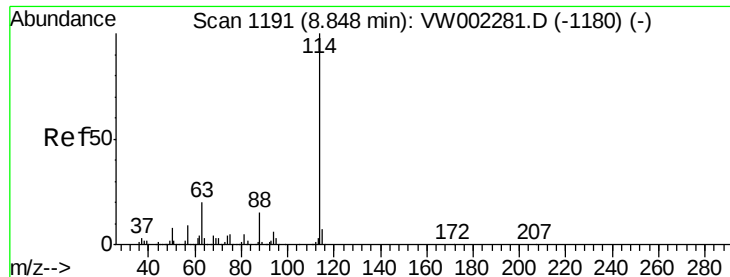
65 100

67 51.3 0.0 107.2



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

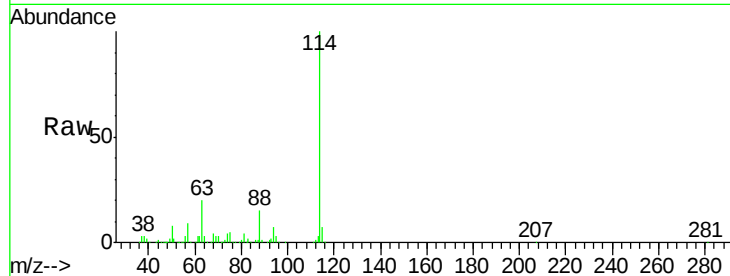




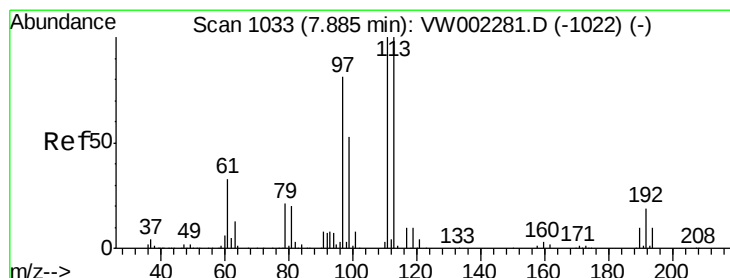
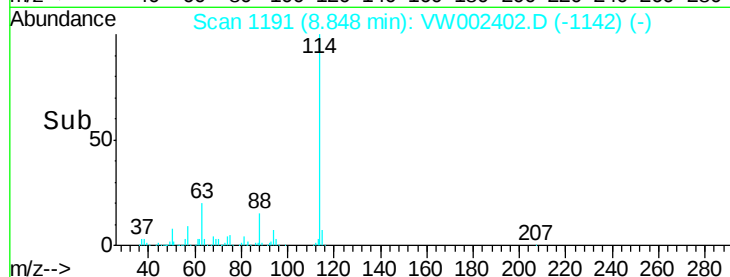
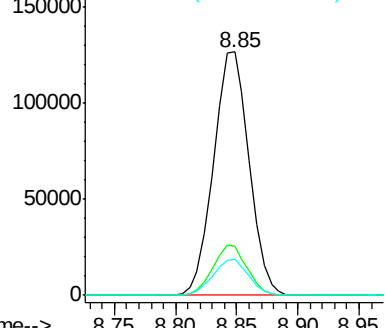
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW002402.D
 Acq: 11 May 2018 02:04

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 256464
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.0
 88 15.0 0.0 29.6

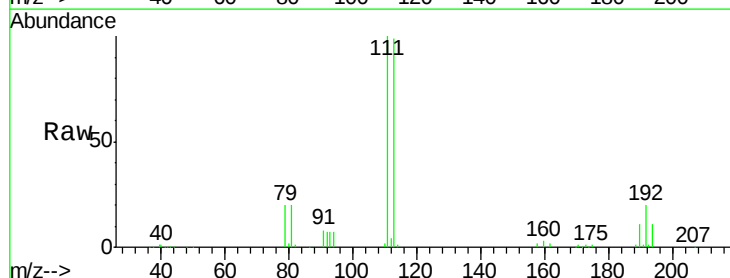


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

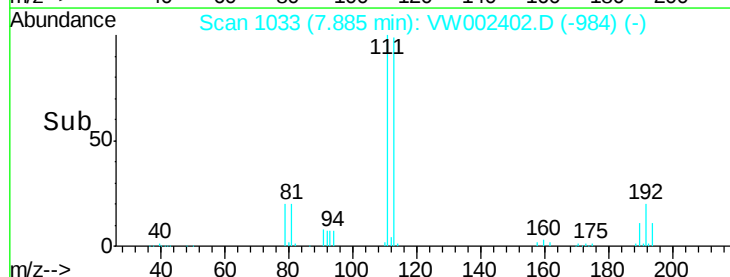
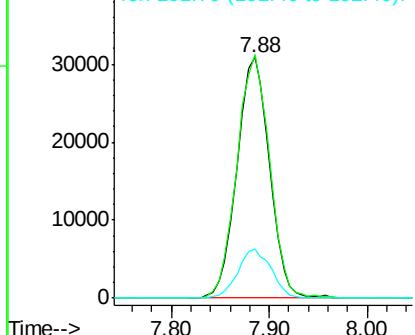


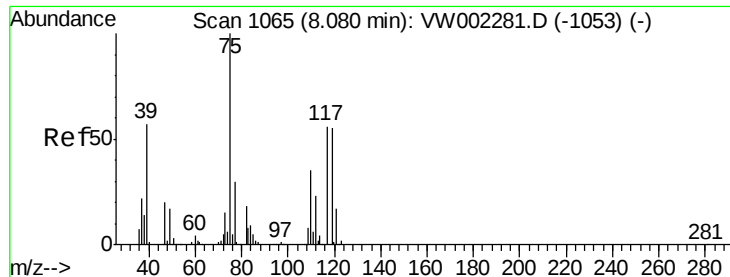
#35
 Dibromofluoromethane
 Concen: 43.42 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002402.D
 Acq: 11 May 2018 02:04

Tgt Ion:113 Resp: 71373
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.5 122.3
 192 20.9 16.4 24.6



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: 5.23 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW002402.D

Acq: 11 May 2018 02:04

Instrument :

MSVOA_W

ClientSampleId :

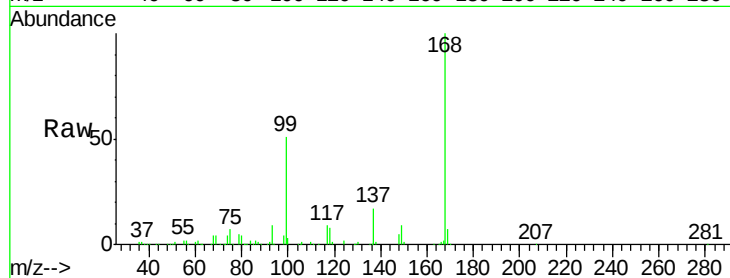
Tot Ion: 75 Resp: 12137

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.1#

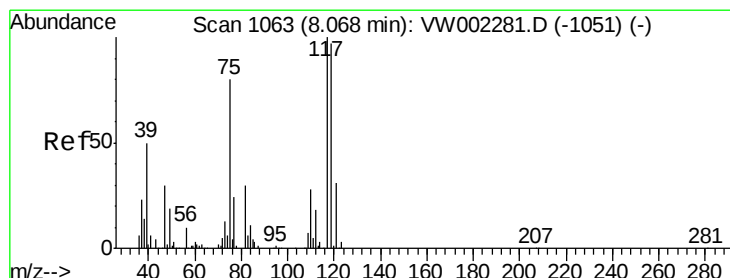
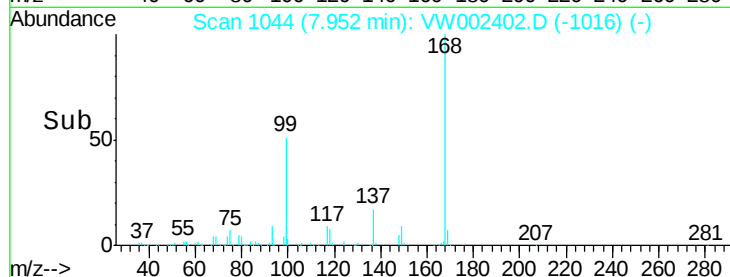
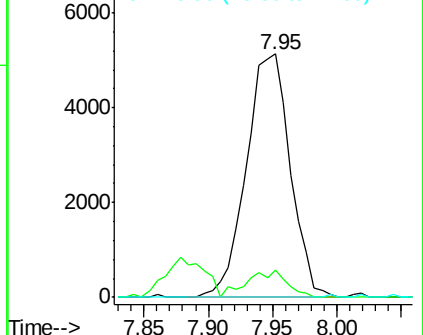
77 0.0 24.5 36.7#



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: 7.06 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002402.D

Acq: 11 May 2018 02:04

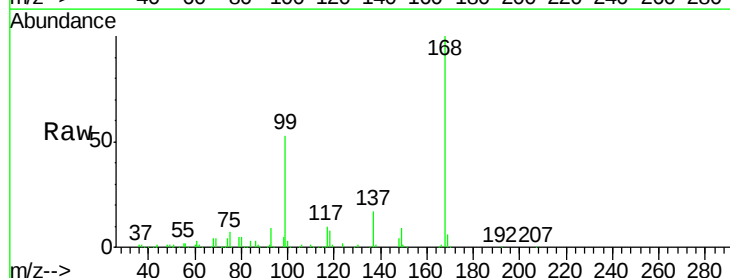
Tgt Ion: 117 Resp: 15826

Ion Ratio Lower Upper

117 100

119 5.3 77.5 116.3#

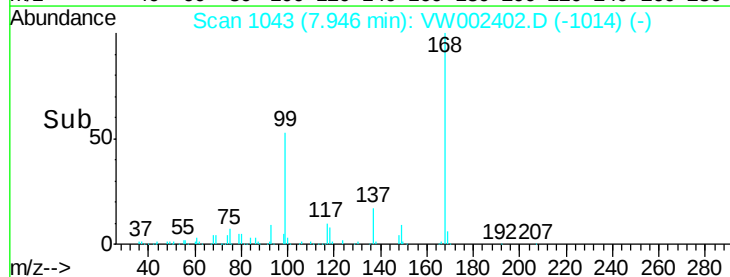
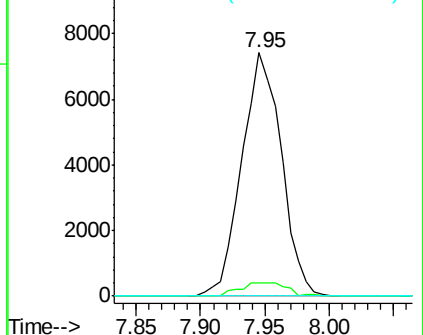
121 0.0 24.4 36.6#

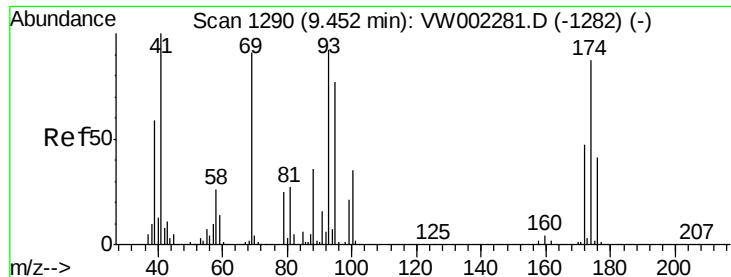


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.92 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. -0.00 min

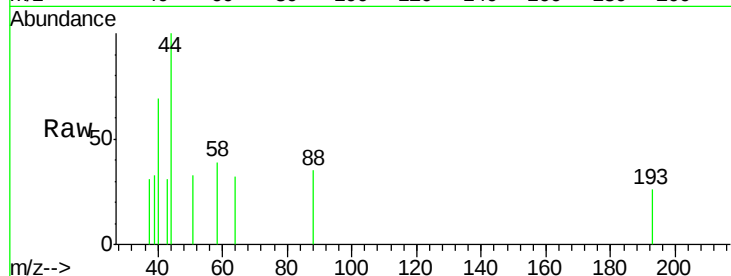
Lab File: VW002402.D

Acq: 11 May 2018 02:04

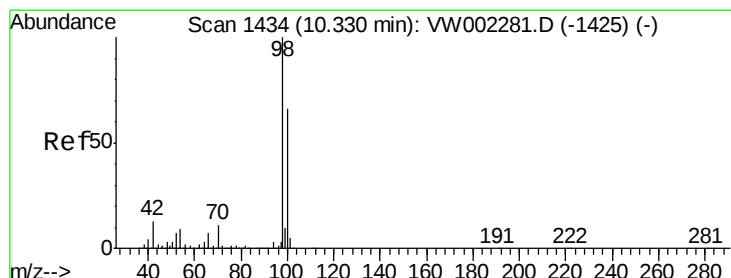
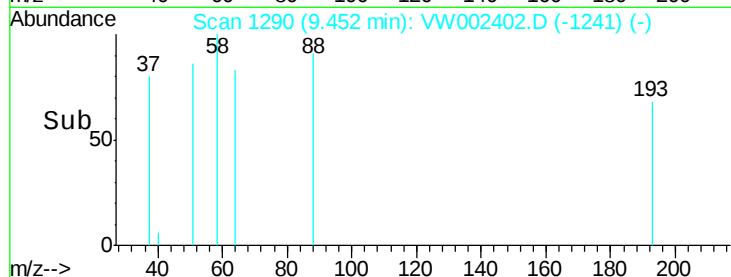
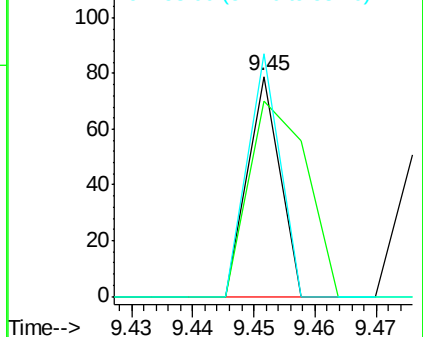
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 29

Ion	Ratio	Lower	Upper
88	100		
43	158.6	26.3	39.5#
58	110.3	56.0	84.0#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 37.55 ug/l

RT: 10.33 min Scan# 1434

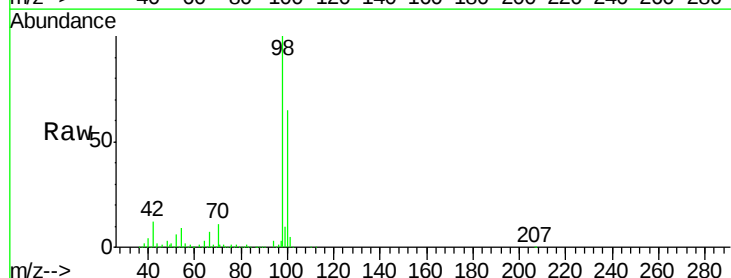
Delta R.T. -0.00 min

Lab File: VW002402.D

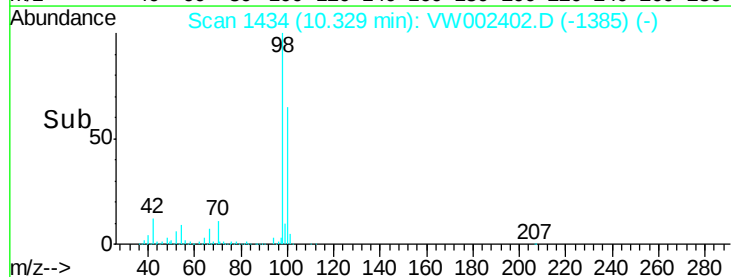
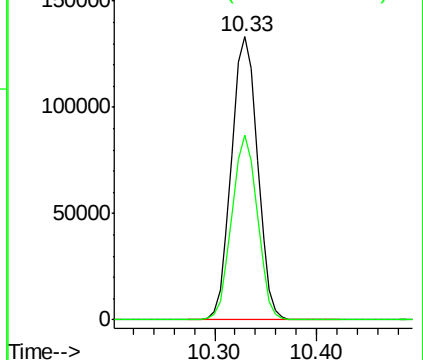
Acq: 11 May 2018 02:04

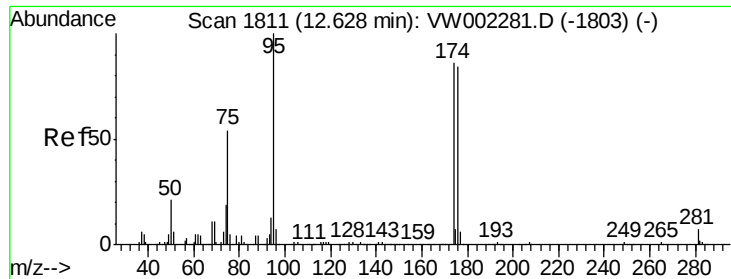
Tgt Ion: 98 Resp: 235356

Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.4	77.2



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





#62

4-Bromofluorobenzene

Concen: 39.85 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002402.D

Acq: 11 May 2018 02:04

Instrument :

MSVOA_W

ClientSampleId :

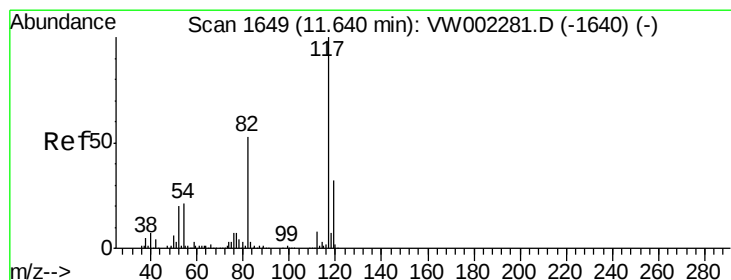
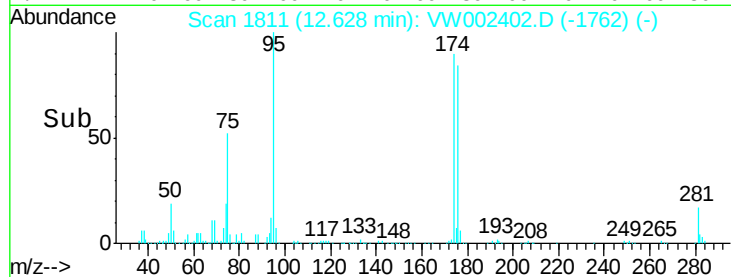
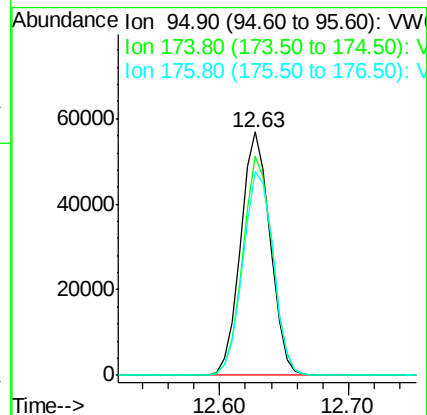
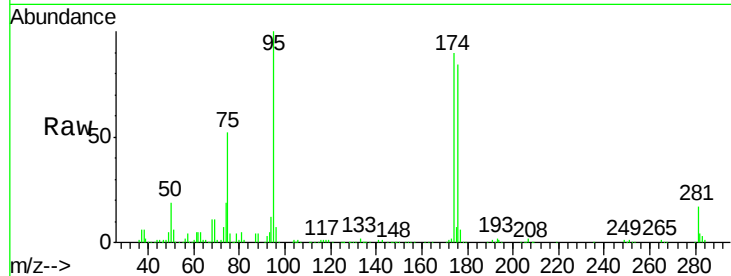
Tot Ion: 95 Resp: 90277

Ion Ratio Lower Upper

95 100

174 90.1 0.0 176.8

176 85.9 0.0 170.4



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VW002402.D

Acq: 11 May 2018 02:04

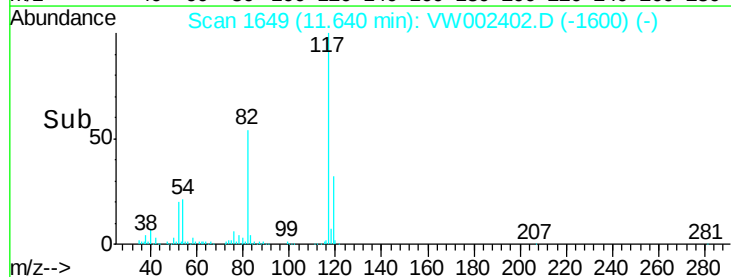
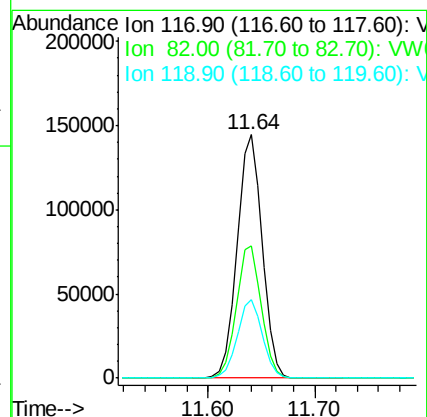
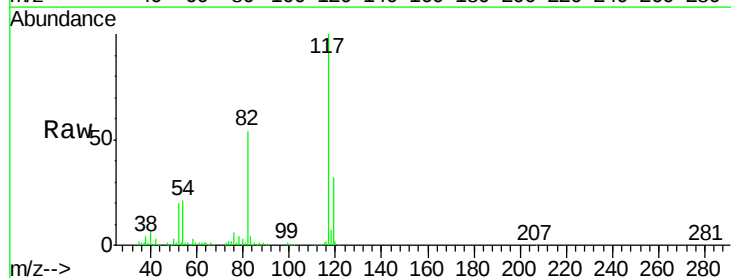
Tgt Ion: 117 Resp: 238376

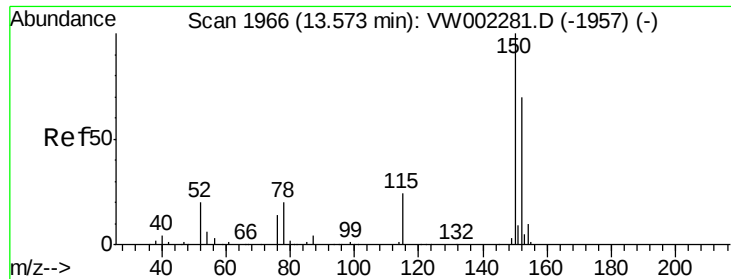
Ion Ratio Lower Upper

117 100

82 54.1 42.6 63.8

119 32.2 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW002402.D

Acq: 11 May 2018 02:04

Instrument :

MSVOA_W

ClientSampleId :

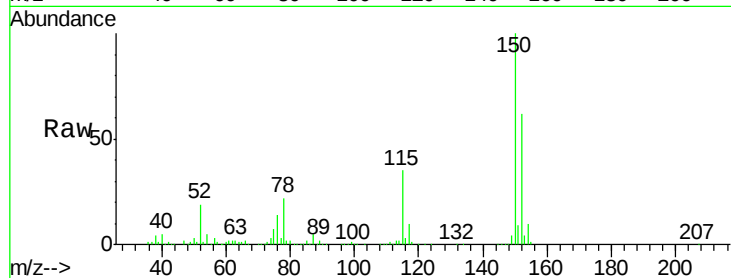
Tot Ion:152 Resp: 122703

Ion Ratio Lower Upper

152 100

115 56.8 28.5 85.5

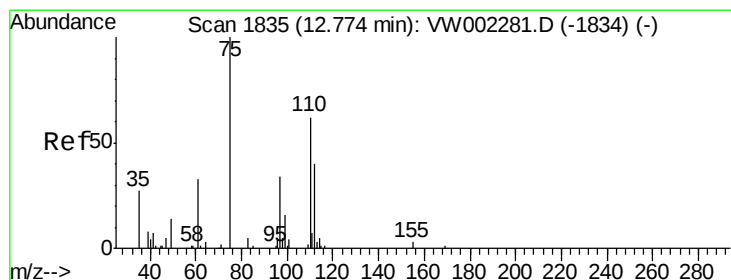
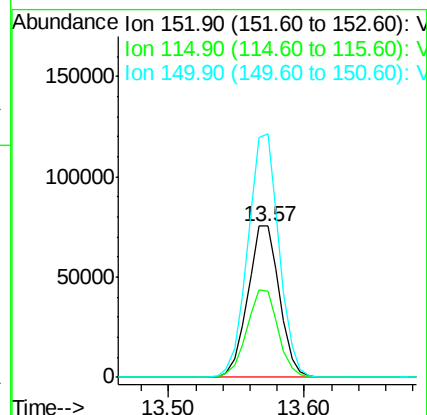
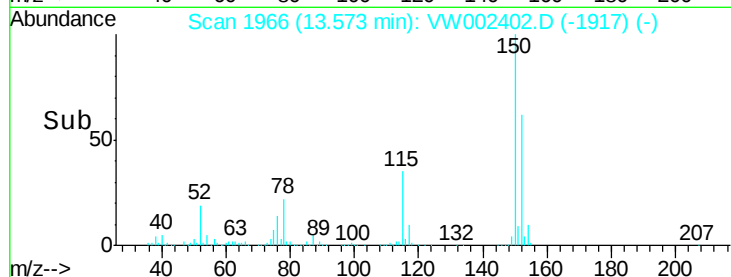
150 158.4 0.0 342.6



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: 42.30 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002402.D

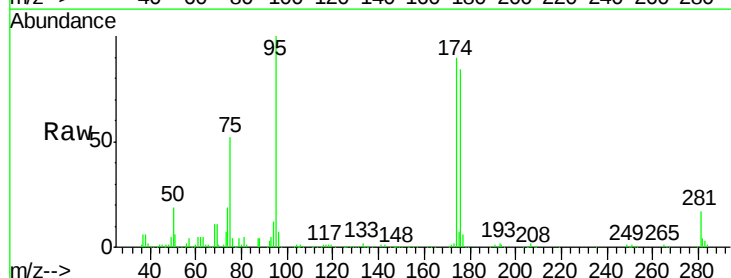
Acq: 11 May 2018 02:04

Tgt Ion: 75 Resp: 46029

Ion Ratio Lower Upper

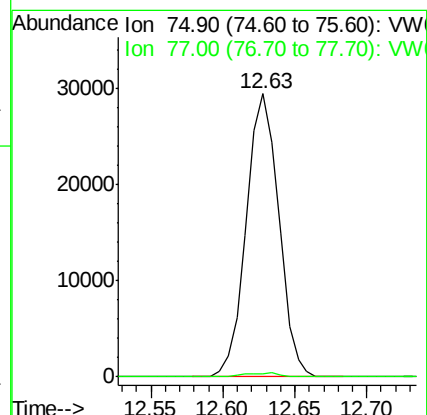
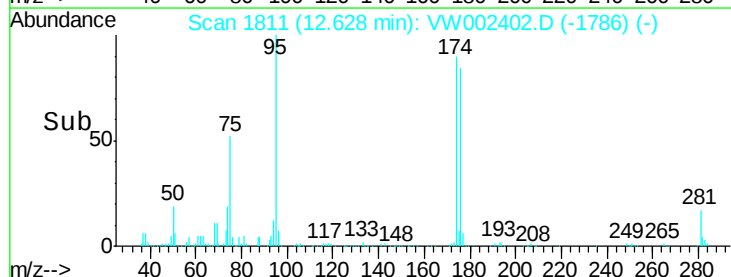
75 100

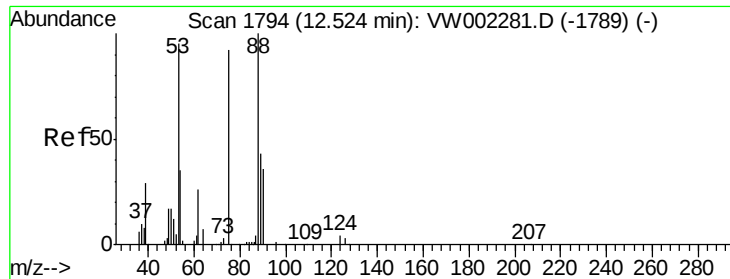
77 1.4 187.5 562.6#



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: 111.43 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002402.D

Acq: 11 May 2018 02:04

Instrument :

MSVOA_W

ClientSampleId :

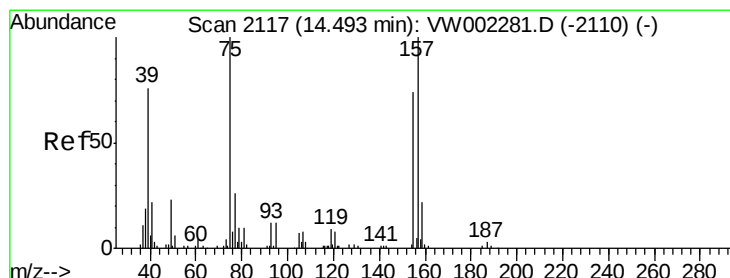
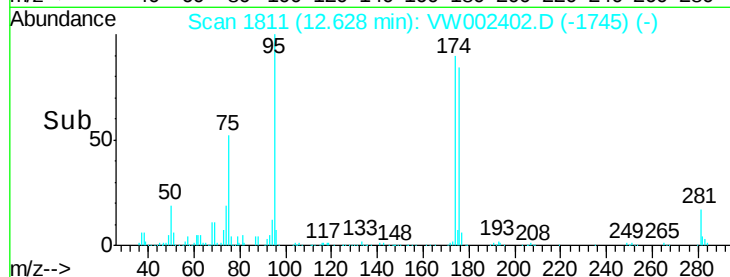
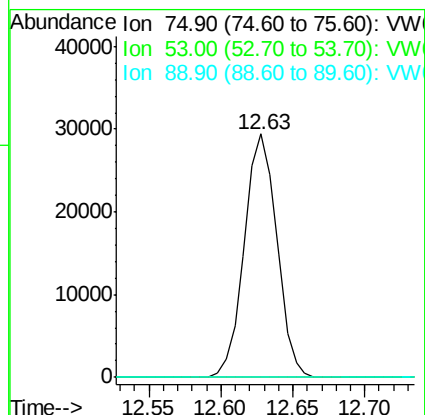
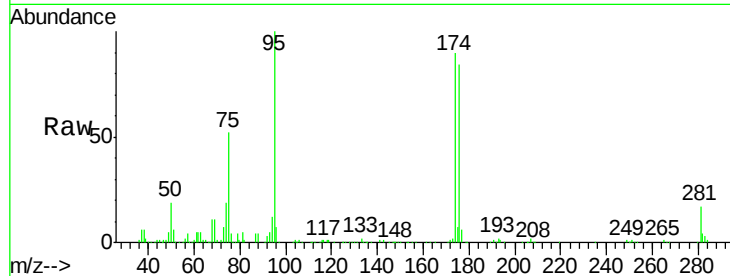
Tot Ion: 75 Resp: 46029

Ion Ratio Lower Upper

75 100

53 0.2 79.9 119.9#

89 0.2 37.6 56.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.03 ug/l

RT: 14.35 min Scan# 2093

Delta R.T. -0.15 min

Lab File: VW002402.D

Acq: 11 May 2018 02:04

Tgt Ion: 75 Resp: 274

Ion Ratio Lower Upper

75 100

155 0.0 43.3 129.8#

157 0.0 55.8 167.4#

