

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051018\
 Data File : VW002407.D
 Acq On : 11 May 2018 04:09
 Operator : JC/SY
 Sample : J2822-08
 Misc : 6.35G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 11 05:00:22 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	172539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	272516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	237860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	103330	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	83412	45.52	ug/l	0.00
Spiked Amount			Recovery	=	91.04%	
35) Dibromofluoromethane	7.88	113	79271	45.38	ug/l	0.00
Spiked Amount			Recovery	=	90.76%	
50) Toluene-d8	10.33	98	254466	38.20	ug/l	0.00
Spiked Amount			Recovery	=	76.40%	
62) 4-Bromofluorobenzene	12.63	95	86096	35.77	ug/l	0.00
Spiked Amount			Recovery	=	71.54%	

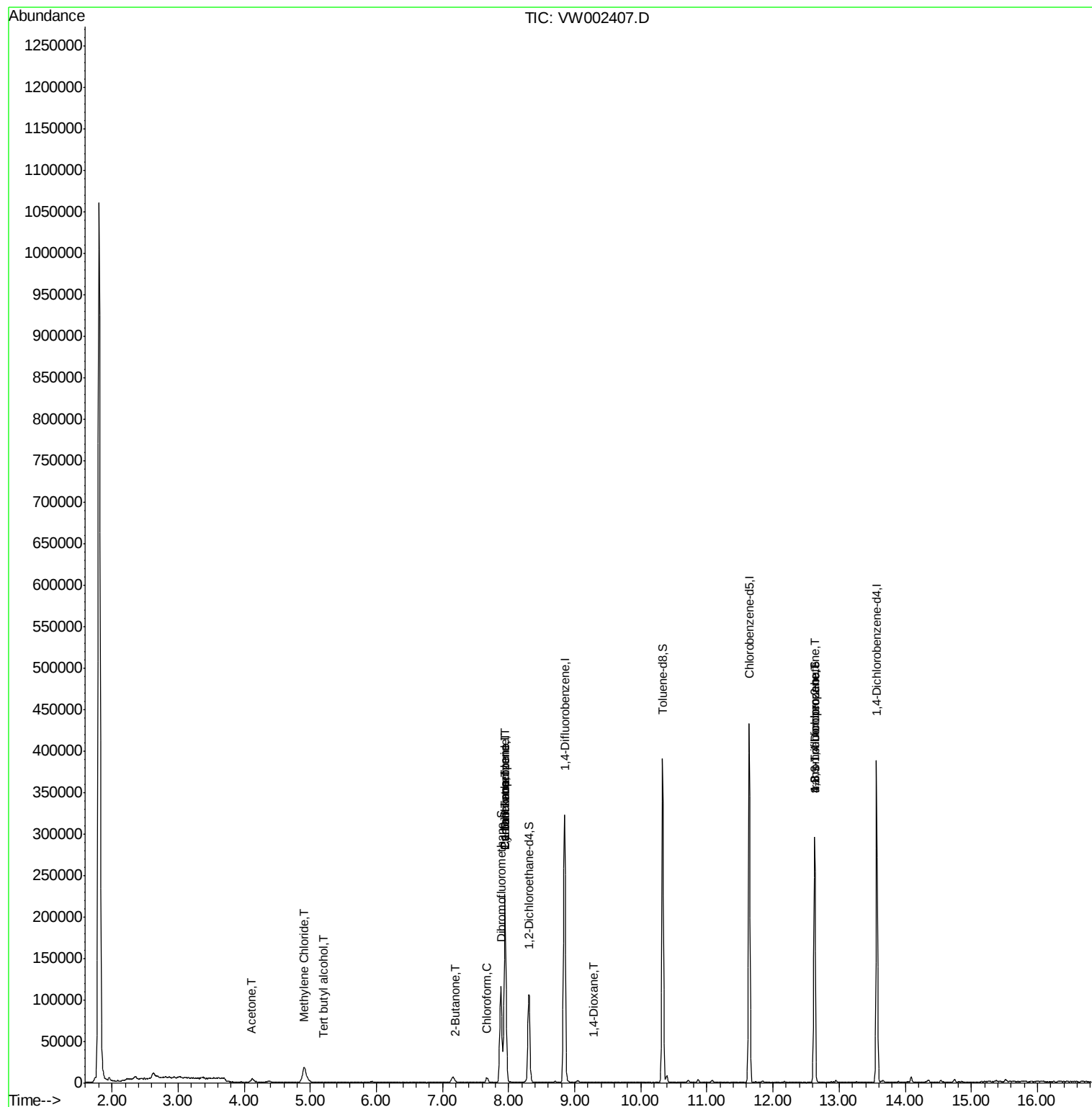
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	159	1.19	ug/l #	85
16) Acetone	4.12	43	7605	21.25	ug/l	96
20) Methylene Chloride	4.91	84	17863	10.35	ug/l	95
25) 2-Butanone	7.20	43	995	1.87	ug/l	93
30) Chloroform	7.67	83	5291	1.66	ug/l	93
31) Cyclohexane	7.94	56	3946	1.45	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	12824	5.20	ug/l #	52
38) Carbon Tetrachloride	7.95	117	16361	6.86	ug/l #	16
49) 1,4-Dioxane	9.29	88	19	1.19	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	43601	47.58	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	43601	125.34	ug/l #	10

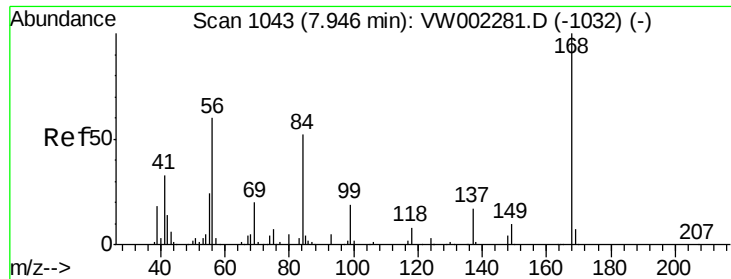
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW002407.D

Acq: 11 May 2018 04:09

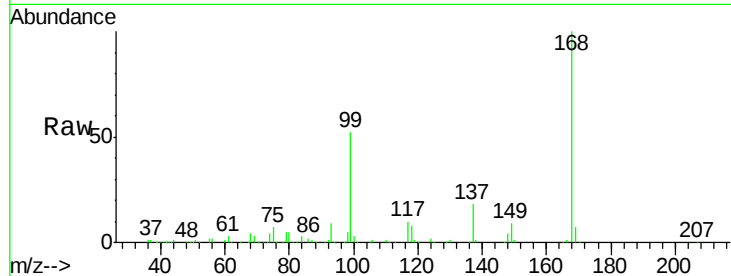
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 172539

Ion Ratio Lower Upper

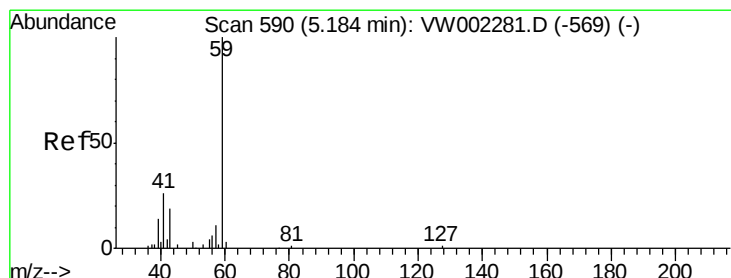
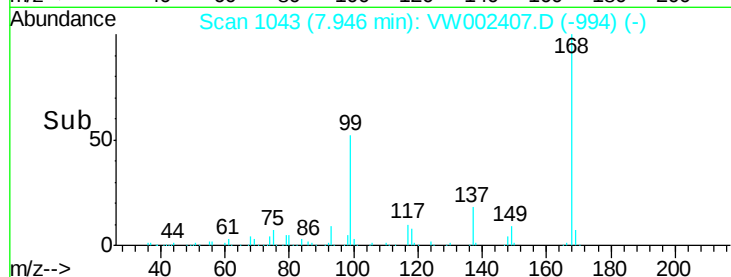
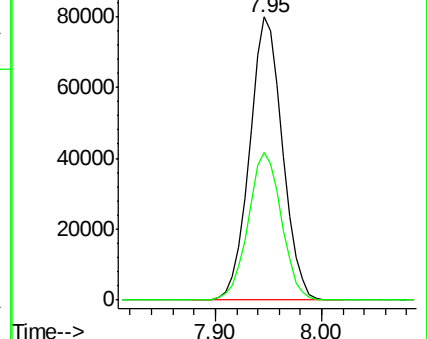
168 100

99 52.1 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.19 ug/l

RT: 5.19 min Scan# 591

Delta R.T. 0.01 min

Lab File: VW002407.D

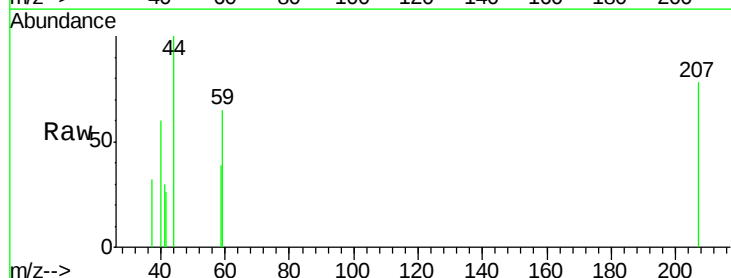
Acq: 11 May 2018 04:09

Tgt Ion: 59 Resp: 159

Ion Ratio Lower Upper

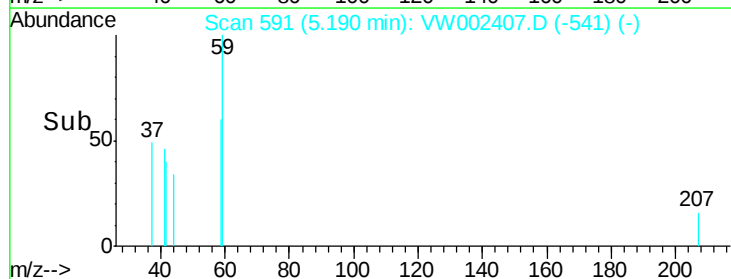
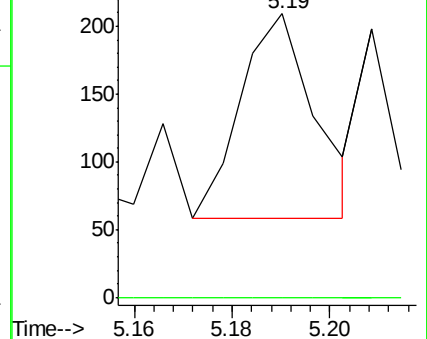
59 100

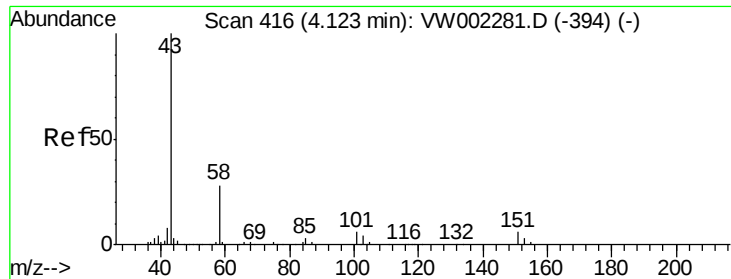
57 0.0 3.9 5.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 21.25 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW002407.D

Acq: 11 May 2018 04:09

Instrument :

MSVOA_W

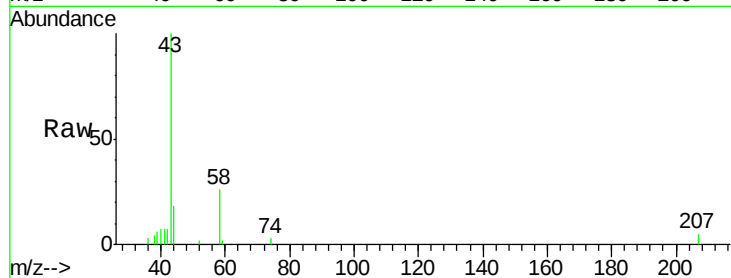
ClientSampled :

Tot Ion: 43 Resp: 7605

Ion Ratio Lower Upper

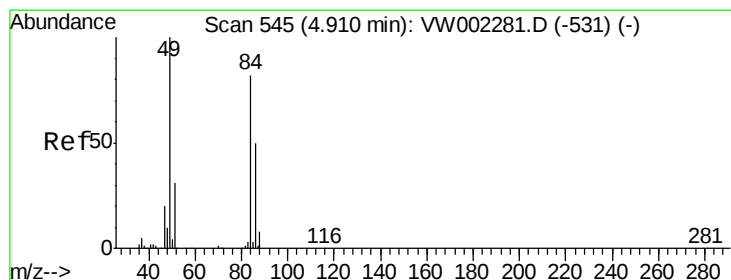
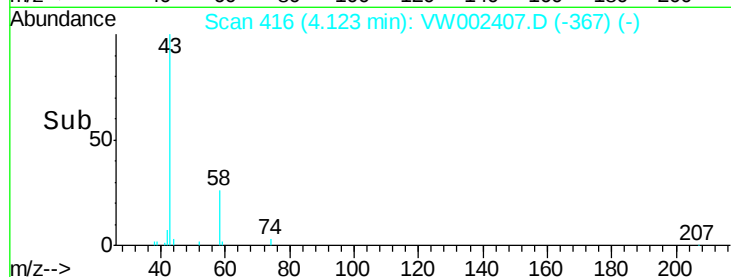
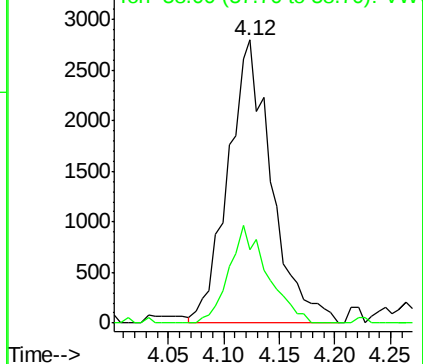
43 100

58 25.8 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 10.35 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW002407.D

Acq: 11 May 2018 04:09

Tgt Ion: 84 Resp: 17863

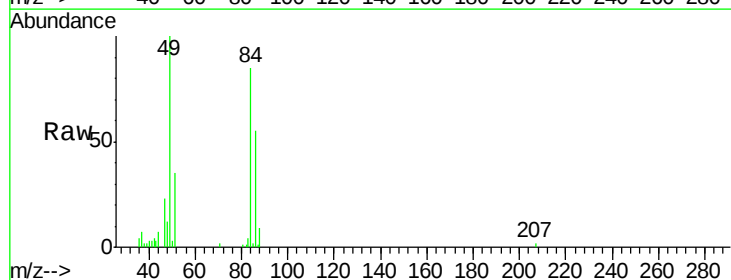
Ion Ratio Lower Upper

84 100

49 117.7 97.7 146.5

51 41.7 30.2 45.4

86 65.2 48.9 73.3

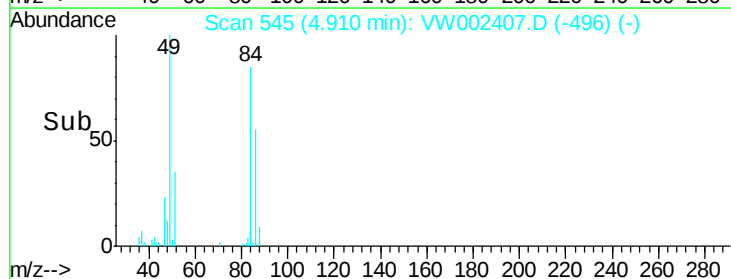
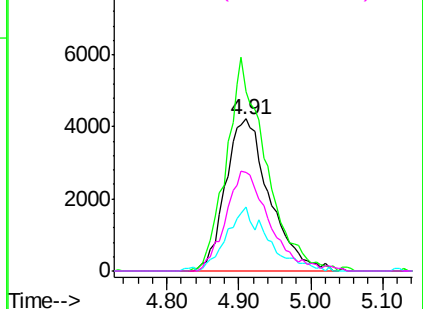


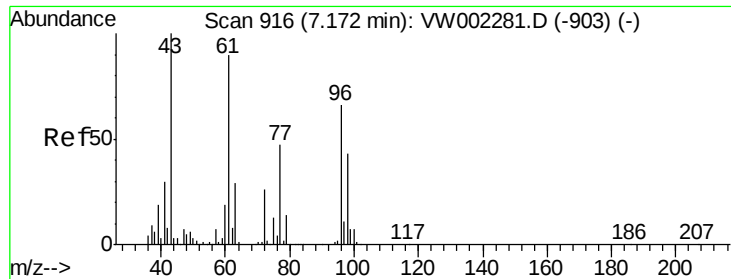
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#25

2-Butanone

Concen: 1.87 ug/l

RT: 7.20 min Scan# 920

Delta R.T. 0.02 min

Lab File: VW002407.D

Acq: 11 May 2018 04:09

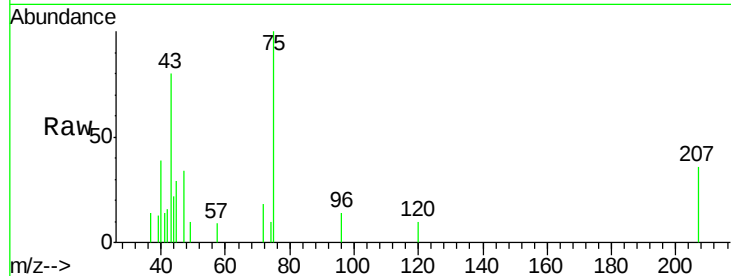
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 995

Ion Ratio Lower Upper

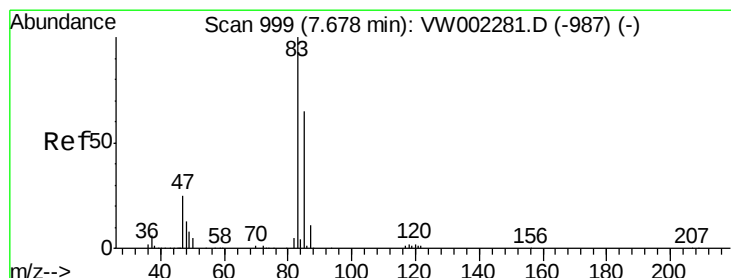
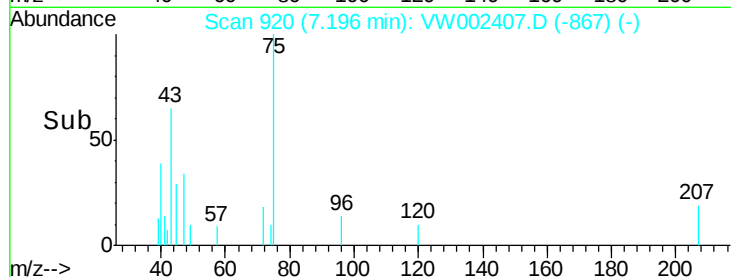
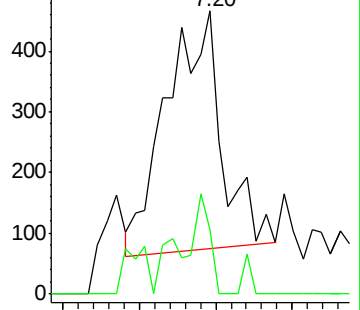
43 100

72 29.3 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#30

Chloroform

Concen: 1.66 ug/l

RT: 7.67 min Scan# 998

Delta R.T. -0.01 min

Lab File: VW002407.D

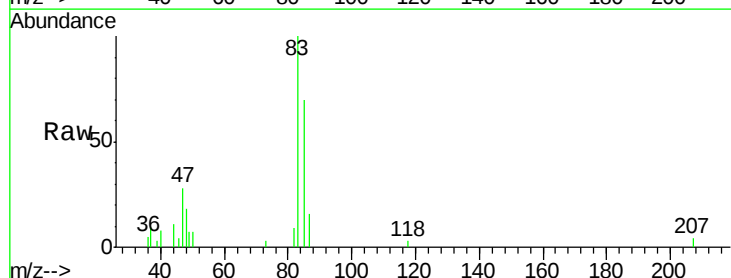
Acq: 11 May 2018 04:09

Tgt Ion: 83 Resp: 5291

Ion Ratio Lower Upper

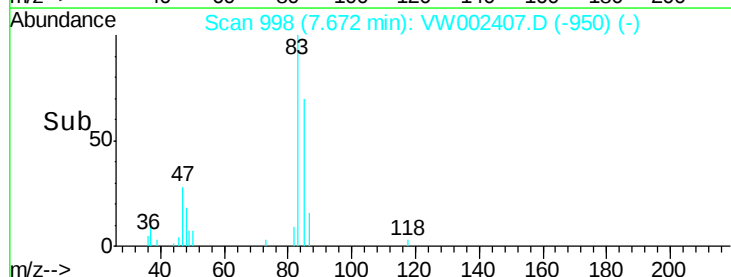
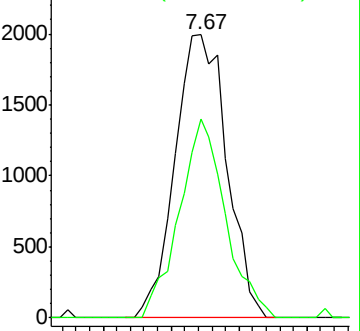
83 100

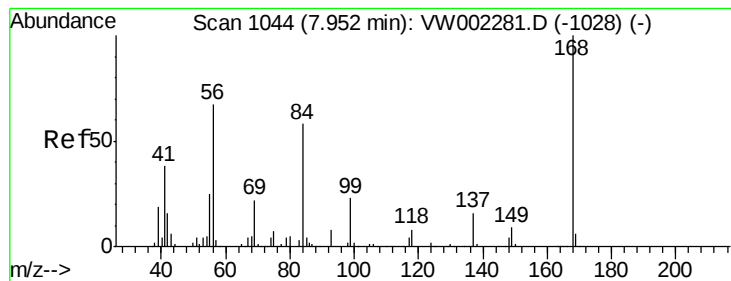
85 70.3 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 1.45 ug/l

RT: 7.94 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VW002407.D

Acq: 11 May 2018 04:09

Instrument :

MSVOA_W

ClientSampleId :

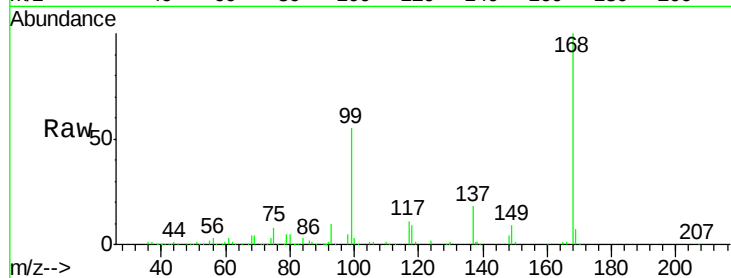
Tot Ion: 56 Resp: 3946

Ion Ratio Lower Upper

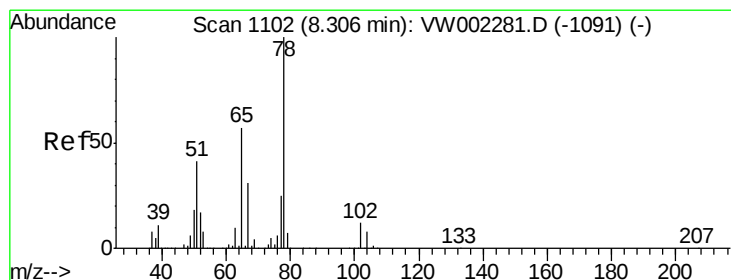
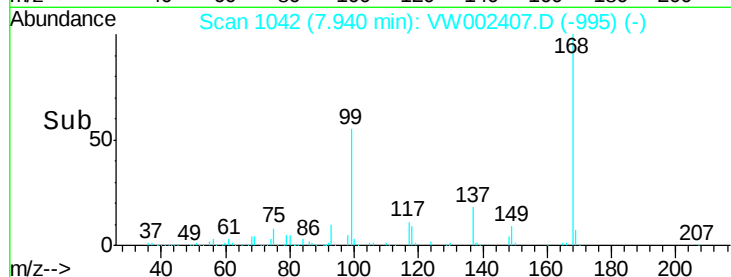
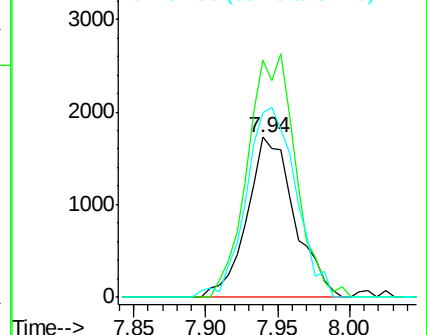
56 100

69 147.7 26.2 39.4#

84 115.5 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: 45.52 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW002407.D

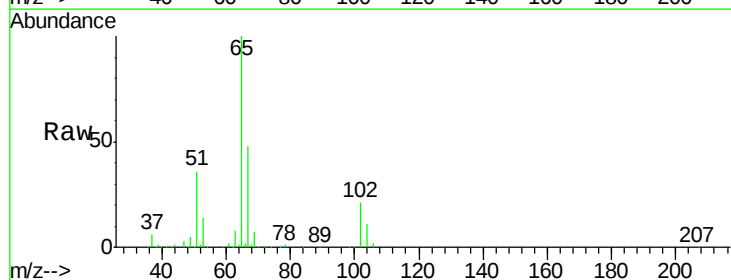
Acq: 11 May 2018 04:09

Tgt Ion: 65 Resp: 83412

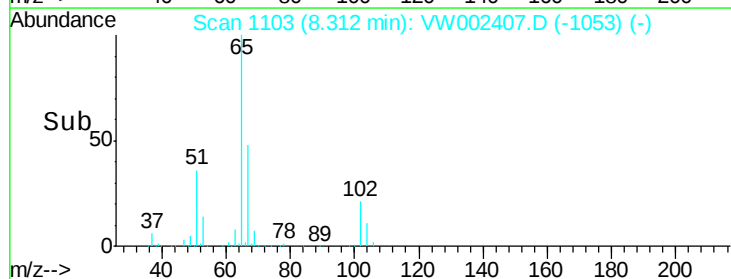
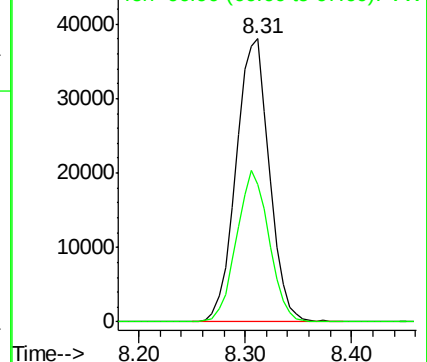
Ion Ratio Lower Upper

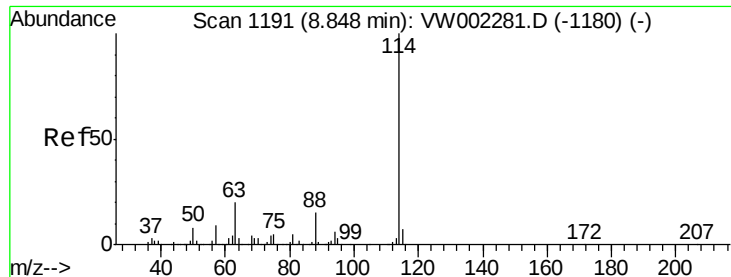
65 100

67 52.2 0.0 107.2



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

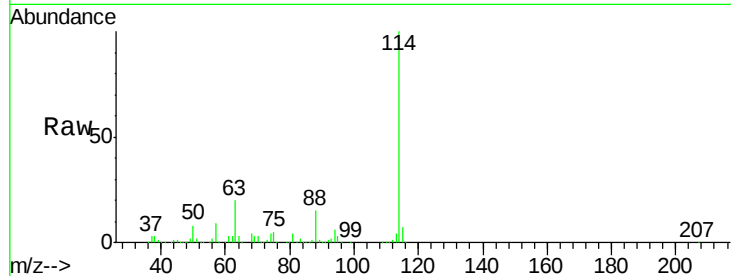




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW002407.D
 Acq: 11 May 2018 04:09

Instrument :
 MSVOA_W
 ClientSampleId :

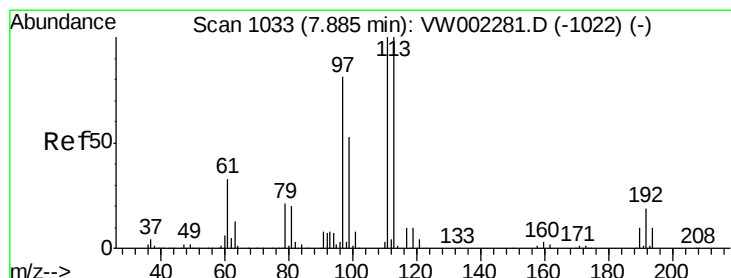
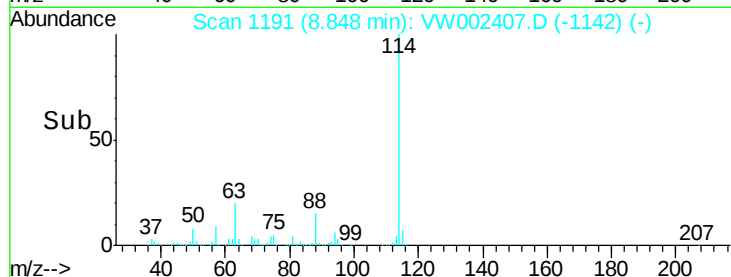
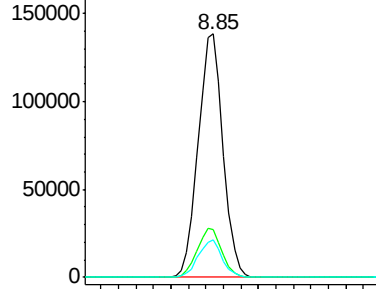
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.0
88	15.2	0.0	29.6



Abundance Ion 113.90 (113.60 to 114.60): V

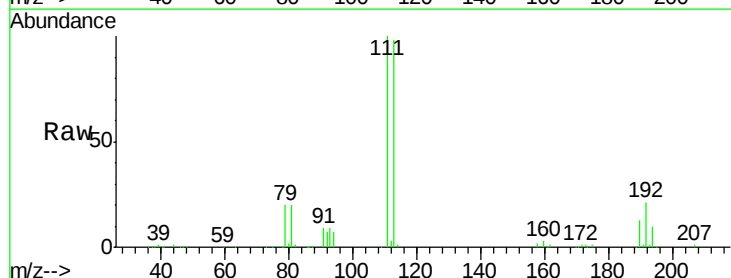
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 45.38 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW002407.D
 Acq: 11 May 2018 04:09

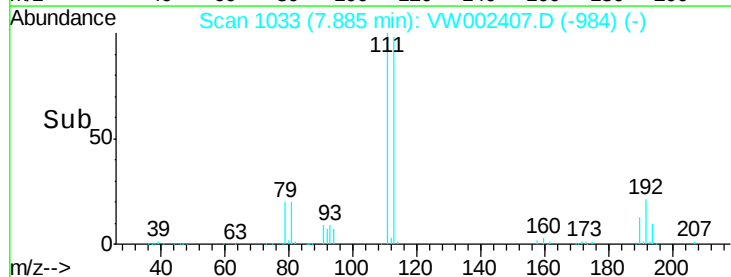
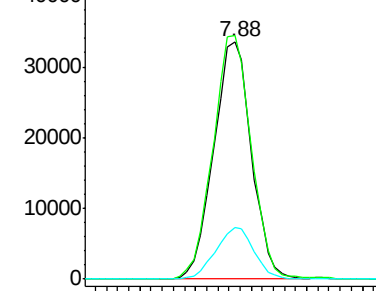
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.5	122.3
192	21.9	16.4	24.6

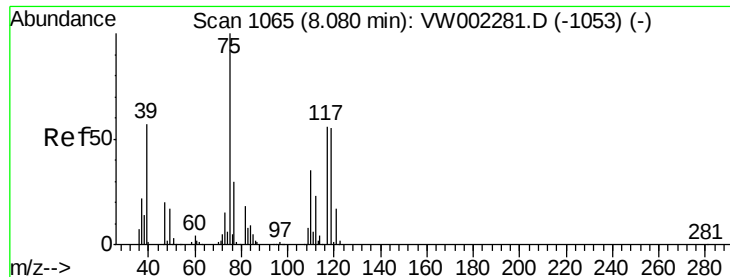


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.20 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW002407.D

Acq: 11 May 2018 04:09

Instrument :
MSVOA_W
ClientSampleId :

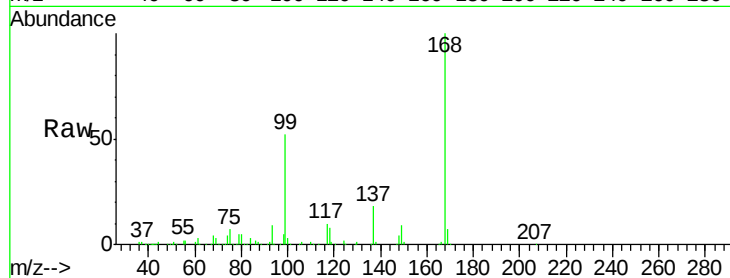
Tot Ion: 75 Resp: 12824

Ion Ratio Lower Upper

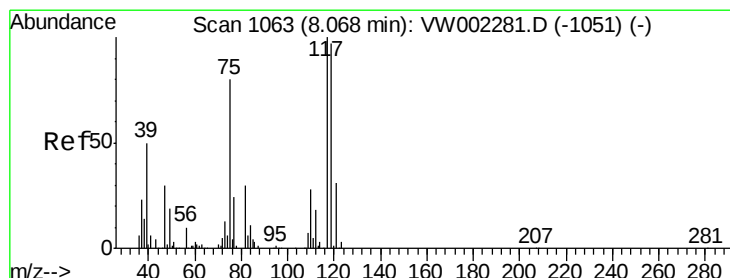
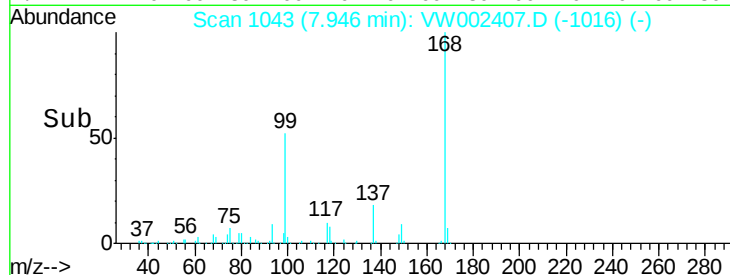
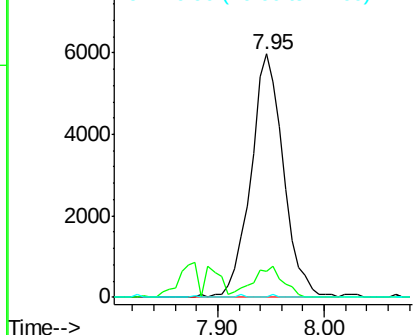
75 100

110 11.6 18.1 54.1#

77 0.2 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: 6.86 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002407.D

Acq: 11 May 2018 04:09

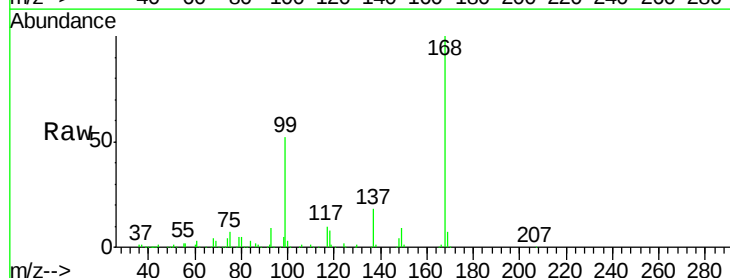
Tgt Ion: 117 Resp: 16361

Ion Ratio Lower Upper

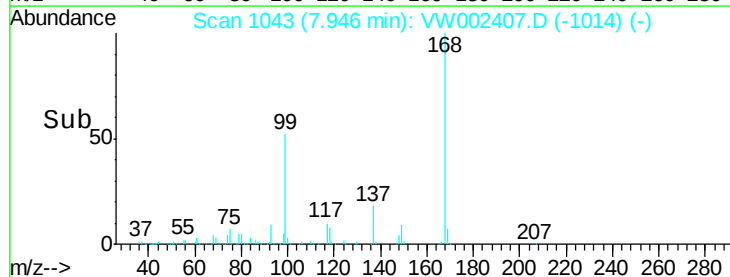
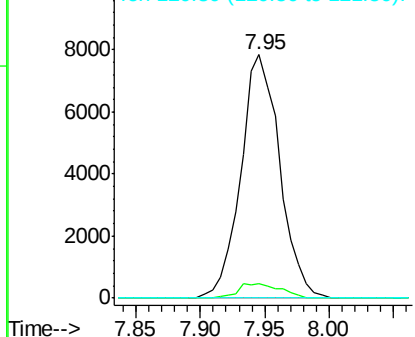
117 100

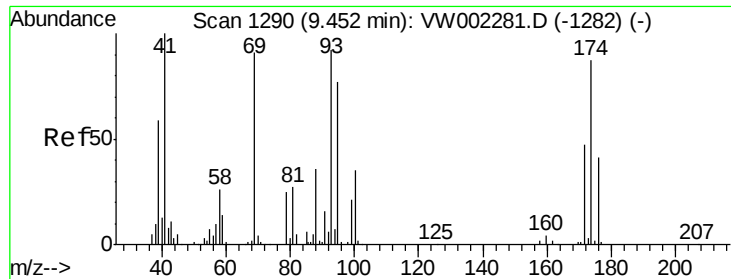
119 6.1 77.5 116.3#

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: 1.19 ug/l

RT: 9.29 min Scan# 1263

Delta R.T. -0.16 min

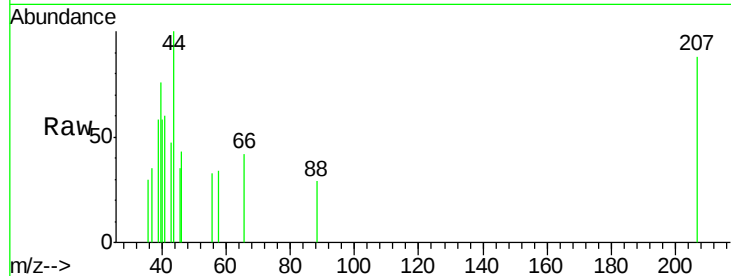
Lab File: VW002407.D

Acq: 11 May 2018 04:09

Instrument :

MSVOA_W

ClientSampled :



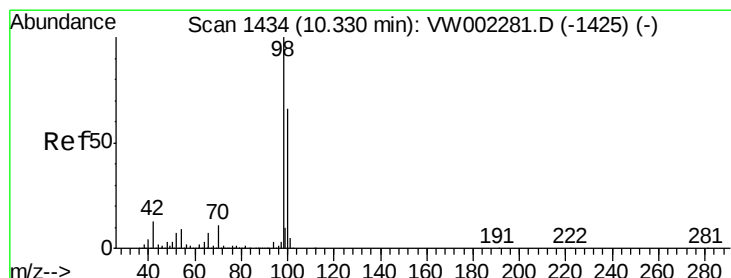
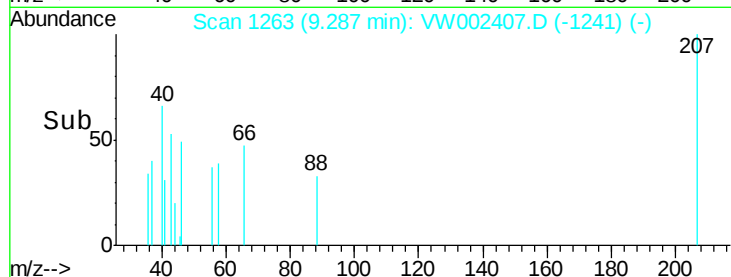
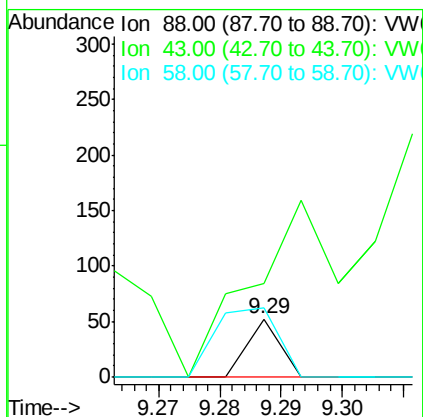
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 26.3 39.5#

58 231.6 56.0 84.0#



#50

Toluene-d8

Concen: 38.20 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW002407.D

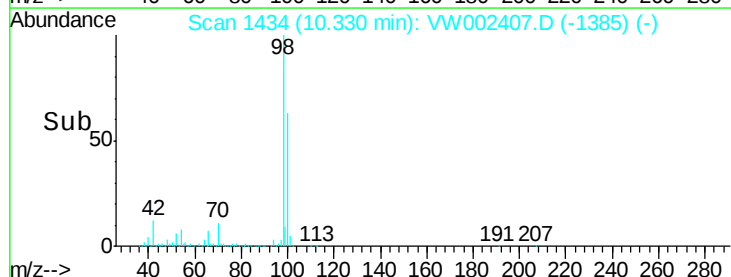
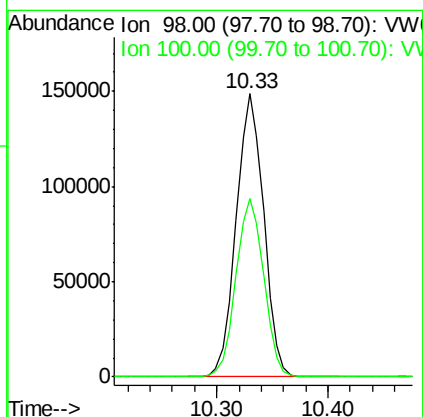
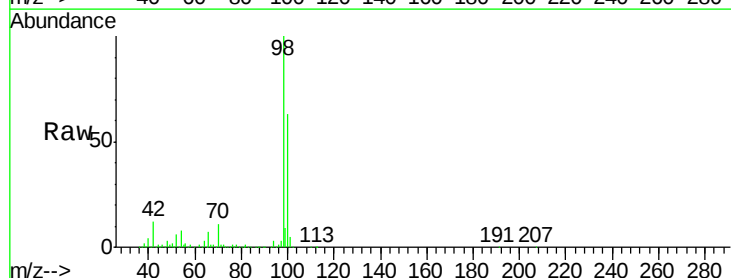
Acq: 11 May 2018 04:09

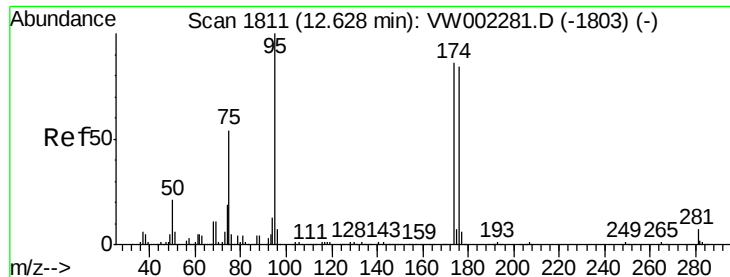
Tgt Ion: 98 Resp: 254466

Ion Ratio Lower Upper

98 100

100 63.3 51.4 77.2





#62

4-Bromofluorobenzene

Concen: 35.77 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW002407.D

Acq: 11 May 2018 04:09

Instrument :

MSVOA_W

ClientSampleId :

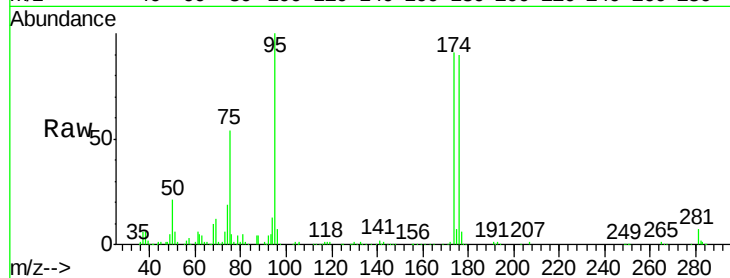
Tot Ion: 95 Resp: 86096

Ion Ratio Lower Upper

95 100

174 89.9 0.0 176.8

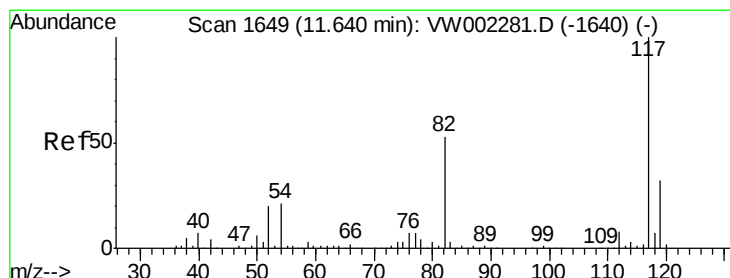
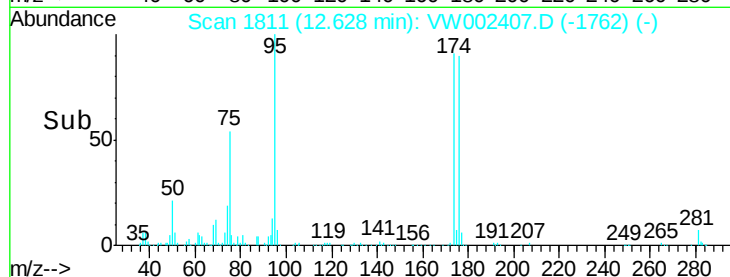
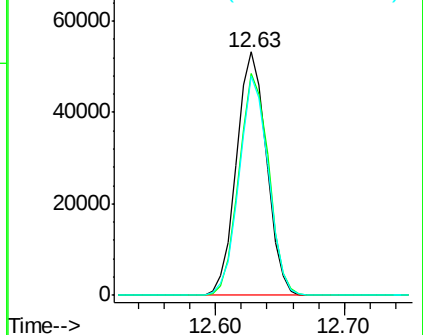
176 87.2 0.0 170.4



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: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VW002407.D

Acq: 11 May 2018 04:09

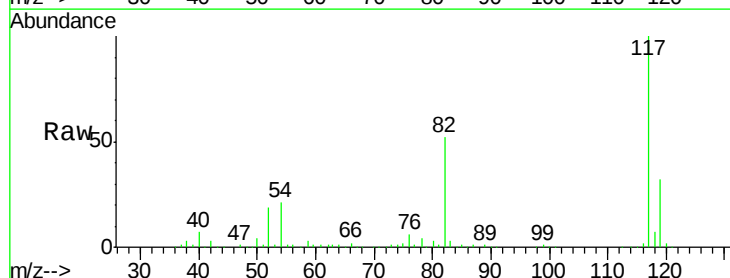
Tgt Ion: 117 Resp: 237860

Ion Ratio Lower Upper

117 100

82 52.2 42.6 63.8

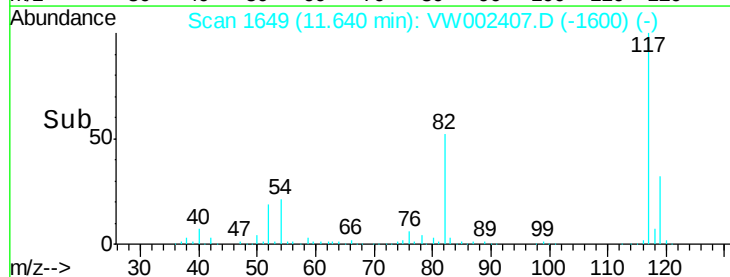
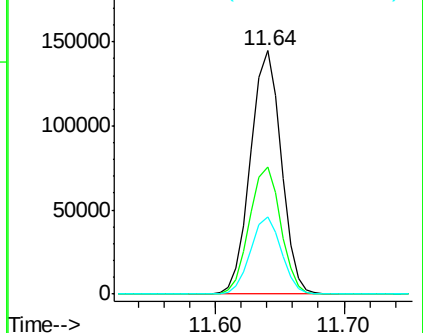
119 31.9 25.2 37.8

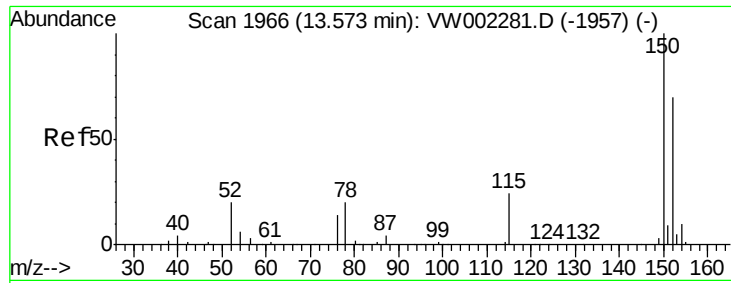


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VW002407.D

Acq: 11 May 2018 04:09

Instrument :

MSVOA_W

ClientSampleId :

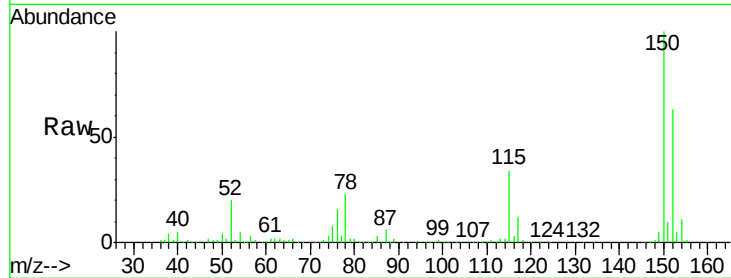
Tot Ion:152 Resp: 103330

Ion Ratio Lower Upper

152 100

115 55.8 28.5 85.5

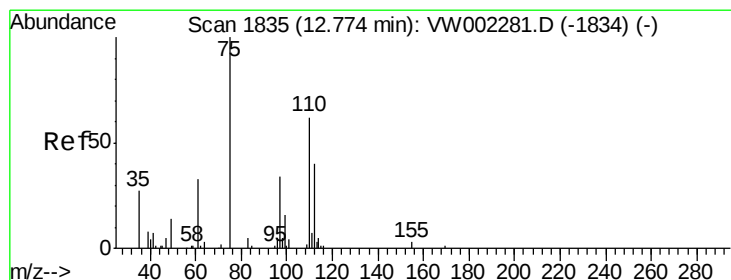
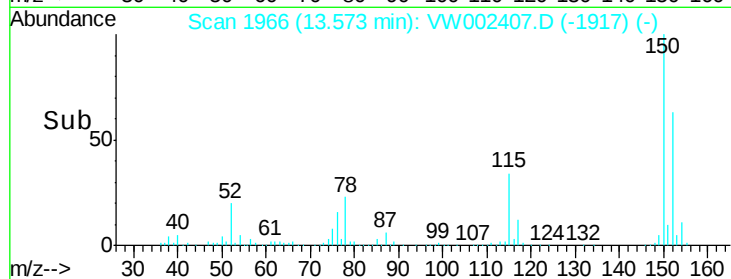
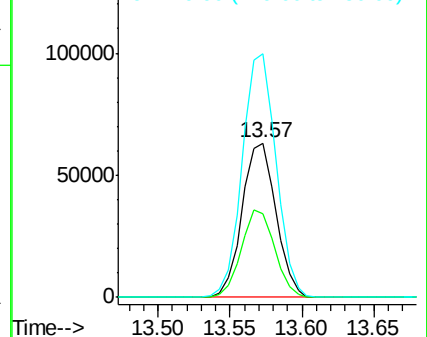
150 157.4 0.0 342.6



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: 47.58 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002407.D

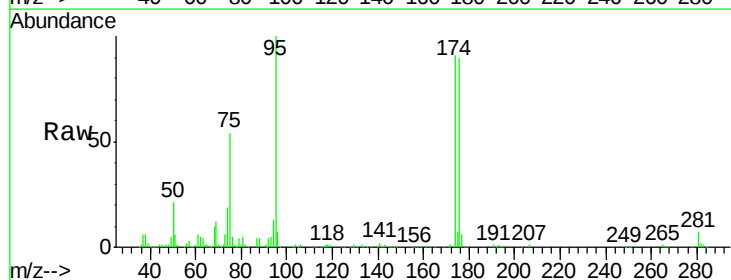
Acq: 11 May 2018 04:09

Tgt Ion: 75 Resp: 43601

Ion Ratio Lower Upper

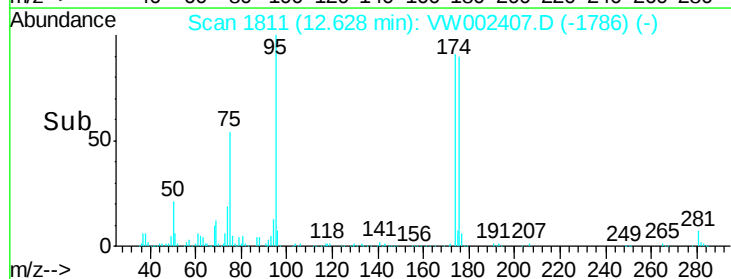
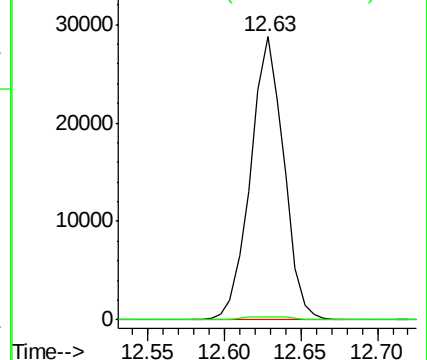
75 100

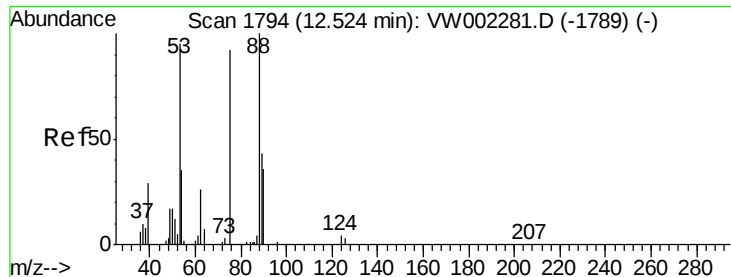
77 1.7 187.5 562.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

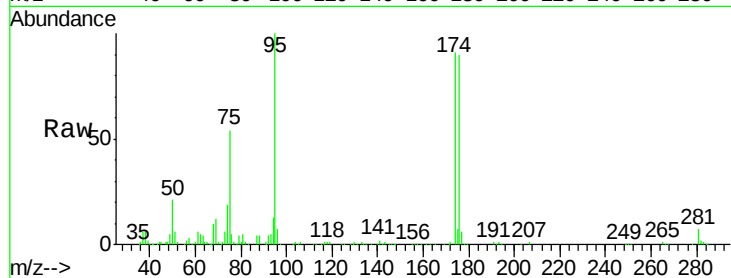




#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.34 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW002407.D
 Acq: 11 May 2018 04:09

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.1	79.9	119.9#
89	0.0	37.6	56.4#



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

