

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
 Data File : VW005309.D
 Acq On : 12 Sep 2018 07:38
 Operator : SY/AP
 Sample : J4769-05RE
 Misc : 6.09G/5ML/MSVOA_W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-090718-CRE

Quant Time: Sep 12 08:13:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	478422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	780821	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	745273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	334568	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	192359	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
35) Dibromofluoromethane	7.89	113	78952	19.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.60%	
50) Toluene-d8	10.33	98	748791	36.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.46%	
62) 4-Bromofluorobenzene	12.62	95	256771	33.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.92%	

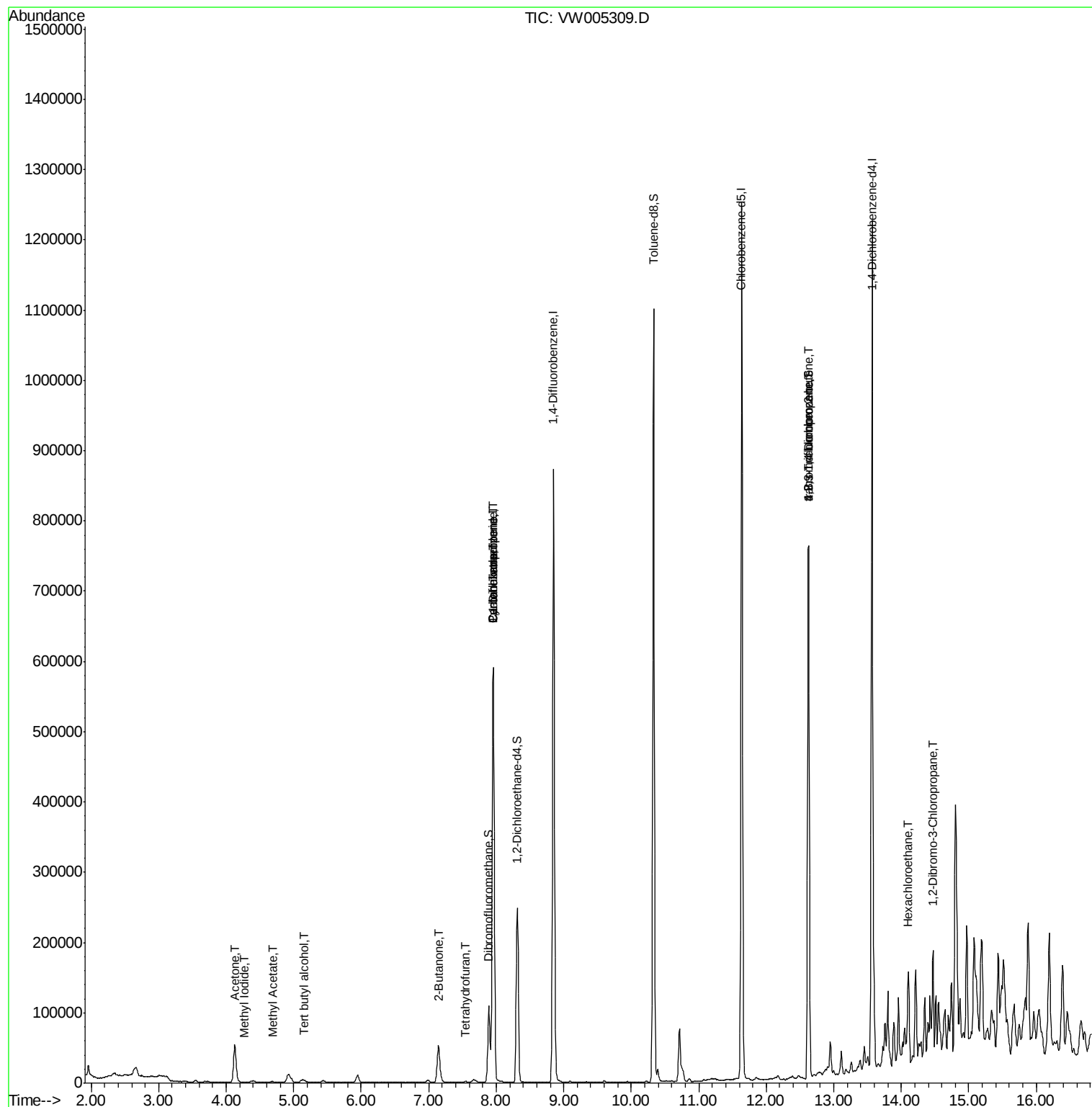
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.75	94	745	Below Cal		87
10) Methyl Iodide	4.28	142	173	3.358	ug/l #	73
11) Tert butyl alcohol	5.15	59	3722	12.719	ug/l #	78
16) Acetone	4.13	43	93363	140.958	ug/l	95
18) Methyl Acetate	4.70	43	2534	1.282	ug/l #	84
20) Methylene Chloride	4.92	84	9309	Below Cal		92
25) 2-Butanone	7.15	43	2974	2.847	ug/l #	75
29) Tetrahydrofuran	7.55	42	1131	1.606	ug/l #	76
31) Cyclohexane	7.95	56	8216	1.076	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	32997	4.613	ug/l #	48
38) Carbon Tetrachloride	7.96	117	42675	6.368	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	117167	45.531	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	117167	106.781	ug/l #	16
90) Hexachloroethane	14.11	117	6599	1.839	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.47	75	671	1.136	ug/l #	8

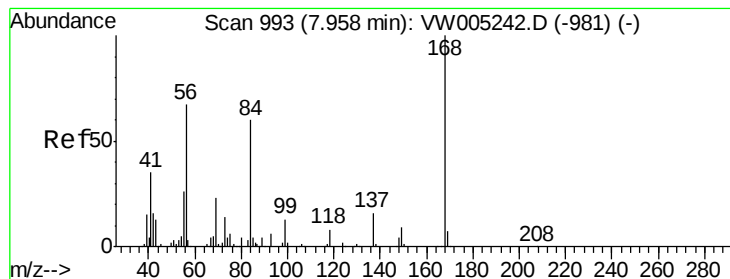
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005309.D

Acq: 12 Sep 2018 07:38

Instrument :

MSVOA_W

ClientSampleId :

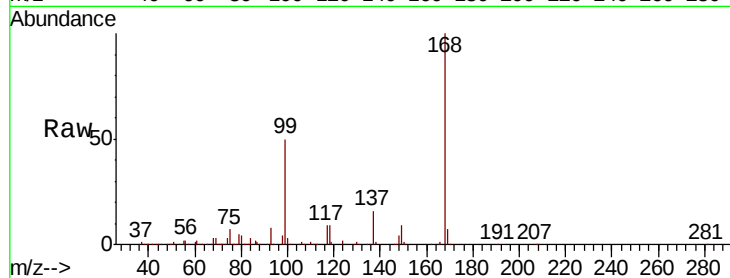
HR-05-090718-CRE

Tgt Ion:168 Resp: 478422

Ion Ratio Lower Upper

168 100

99 49.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

150000

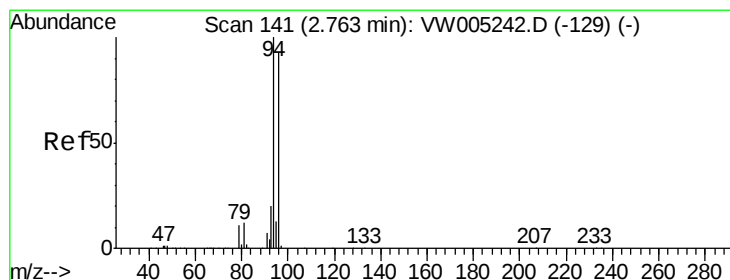
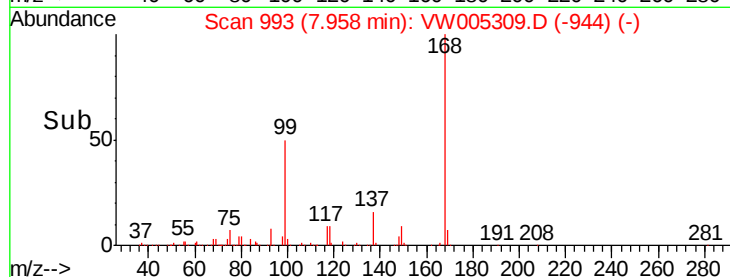
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW005309.D

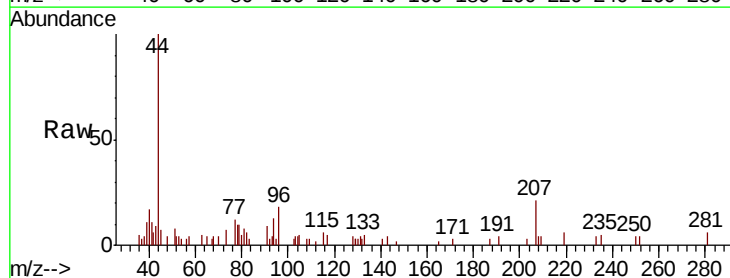
Acq: 12 Sep 2018 07:38

Tgt Ion: 94 Resp: 745

Ion Ratio Lower Upper

94 100

96 80.3 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

400

300

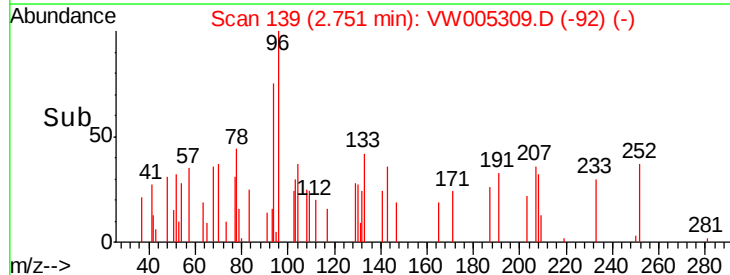
200

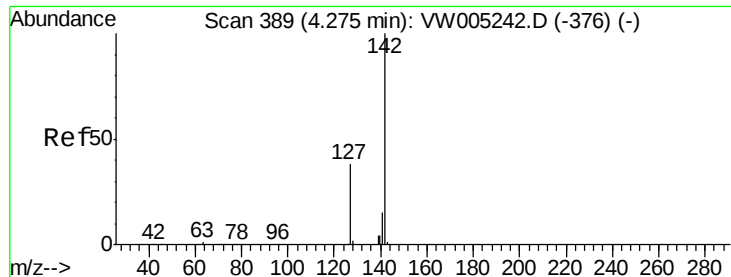
100

0

2.70 2.75 2.80

Time-->





#10

Methyl Iodide

Concen: 3.358 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW005309.D

Acq: 12 Sep 2018 07:38

Instrument :

MSVOA_W

ClientSampleId :

HR-05-090718-CRE

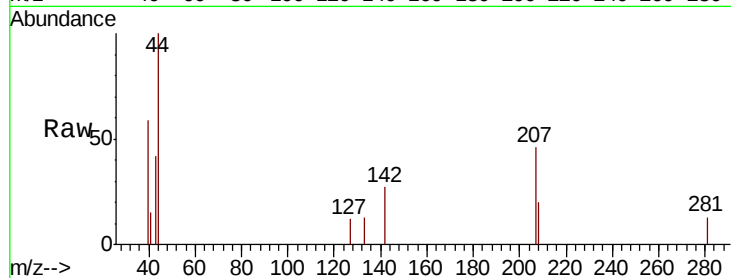
Tgt Ion:142 Resp: 173

Ion Ratio Lower Upper

142 100

127 23.1 30.3 45.5#

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

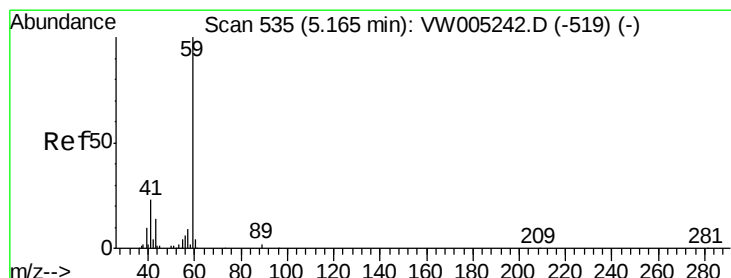
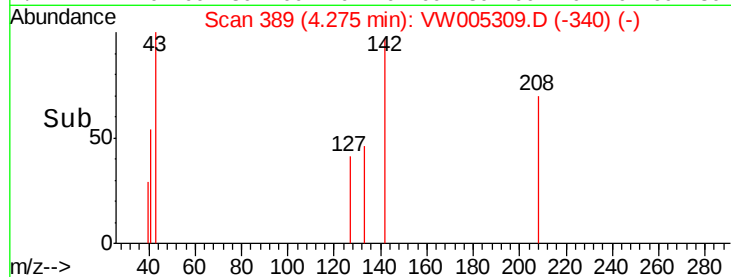
4.28

100

50

0

Time-->



#11

Tert butyl alcohol

Concen: 12.719 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.02 min

Lab File: VW005309.D

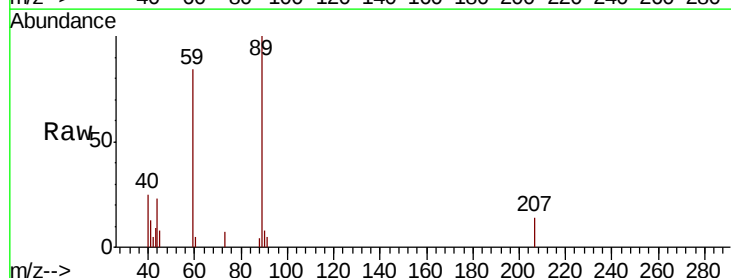
Acq: 12 Sep 2018 07:38

Tgt Ion: 59 Resp: 3722

Ion Ratio Lower Upper

59 100

57 2.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

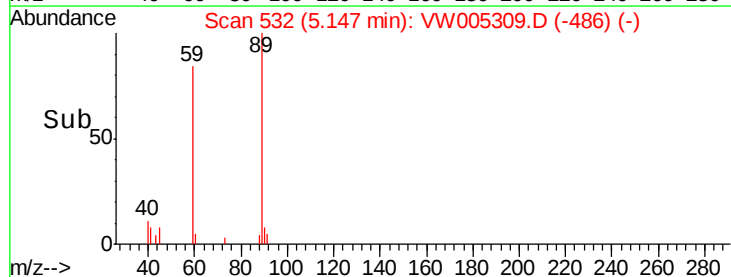
5.15

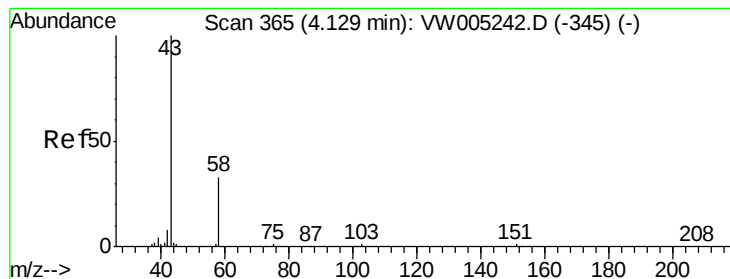
1000

500

0

Time-->





#16

Acetone

Concen: 140.958 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW005309.D

Acq: 12 Sep 2018 07:38

Instrument :

MSVOA_W

ClientSampleId :

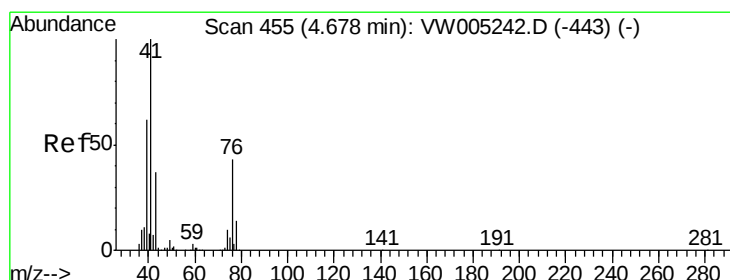
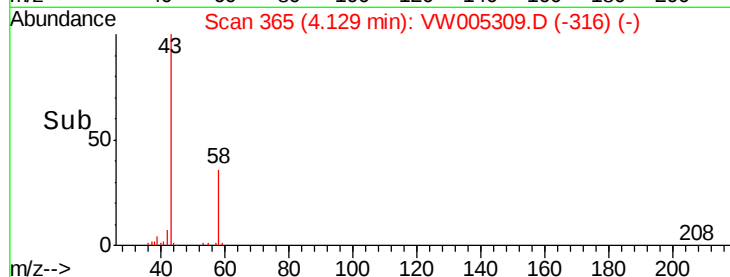
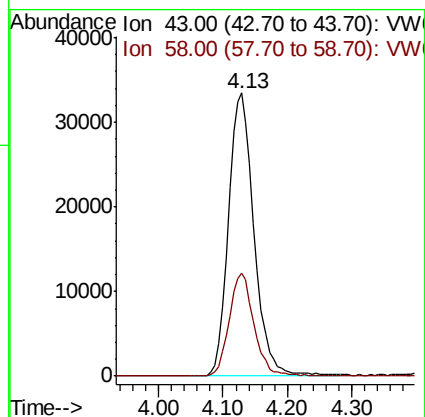
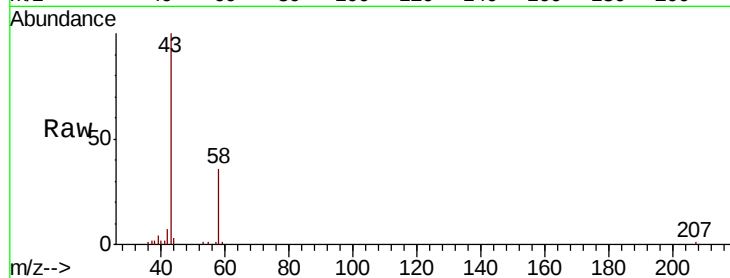
HR-05-090718-CRE

Tgt Ion: 43 Resp: 93363

Ion Ratio Lower Upper

43 100

58 36.3 26.7 40.1



#18

Methyl Acetate

Concen: 1.282 ug/l

RT: 4.70 min Scan# 458

Delta R.T. 0.02 min

Lab File: VW005309.D

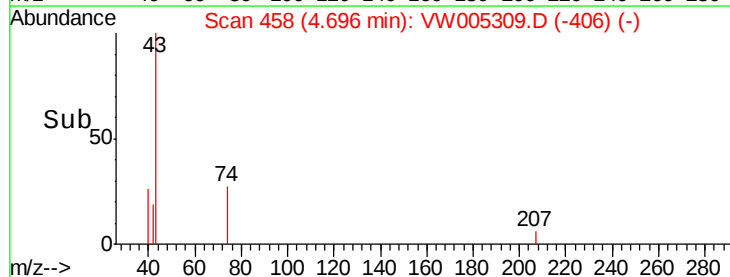
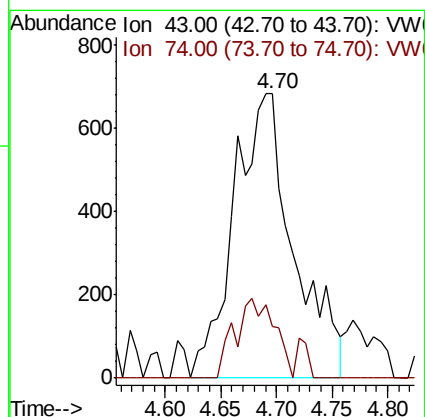
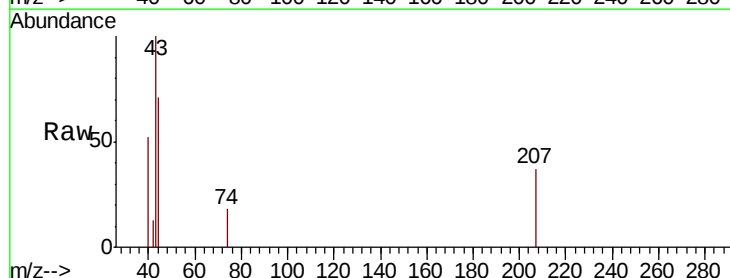
Acq: 12 Sep 2018 07:38

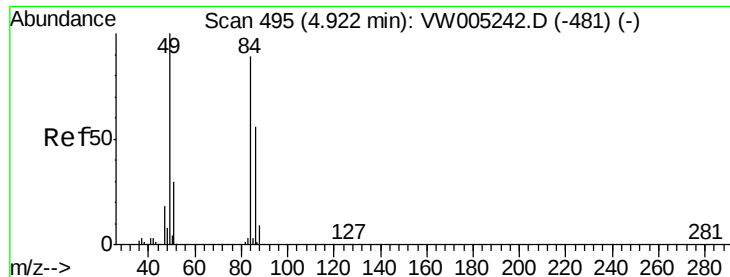
Tgt Ion: 43 Resp: 2534

Ion Ratio Lower Upper

43 100

74 18.5 21.4 32.2#

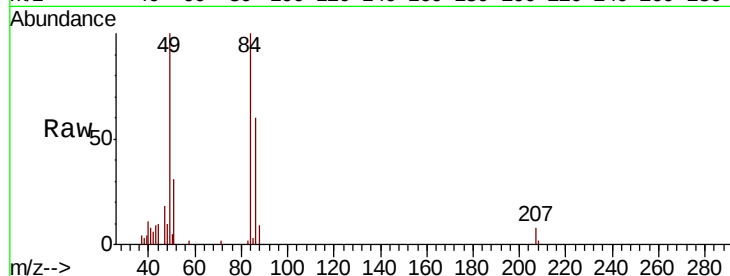




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW005309.D
Acq: 12 Sep 2018 07:38

Instrument :
MSVOA_W
ClientSampleId :
HR-05-090718-CRE

Tgt Ion:	84	Resp:	9309
Ion	Ratio	Lower	Upper
84	100		
49	100.3	90.3	135.5
51	31.4	26.9	40.3
86	59.8	50.8	76.2



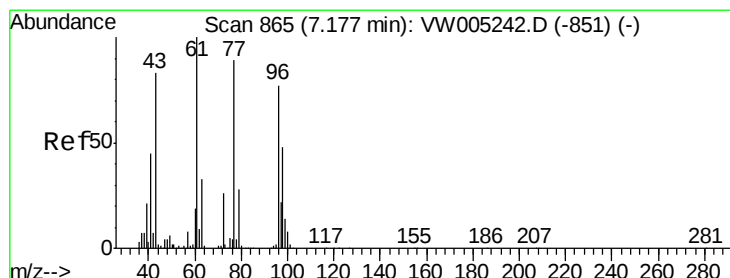
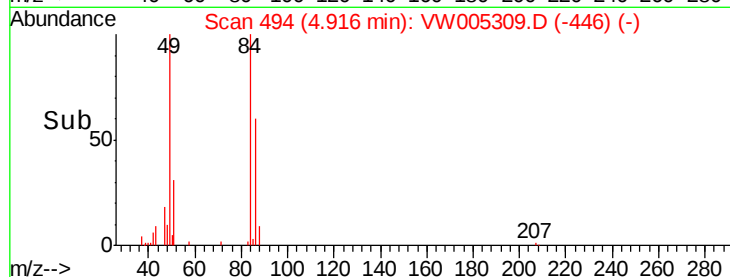
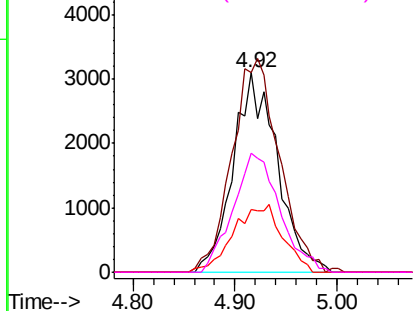
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

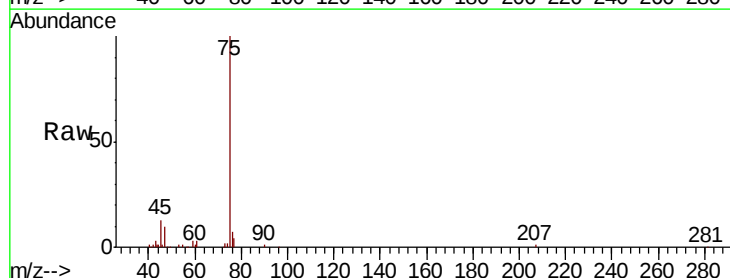
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 2.847 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW005309.D
Acq: 12 Sep 2018 07:38

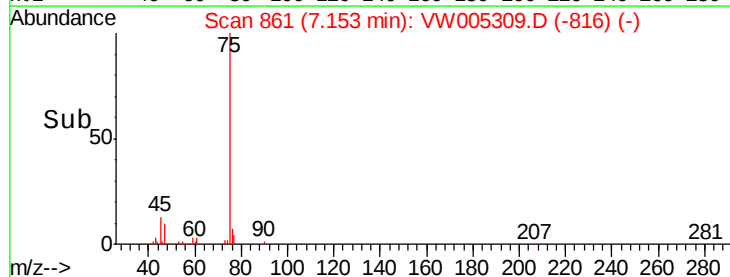
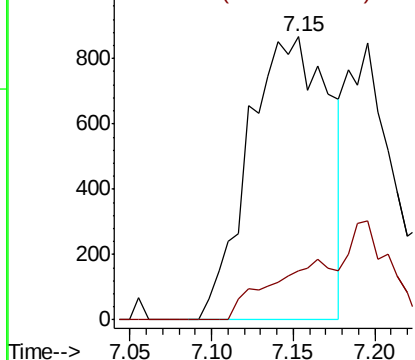
Tgt Ion:	43	Resp:	2974
Ion	Ratio	Lower	Upper
43	100		
72	17.5	25.0	37.6#

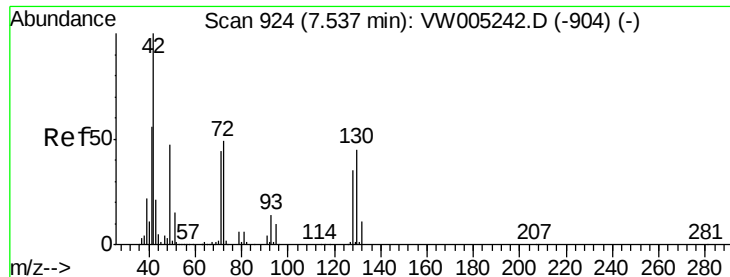


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

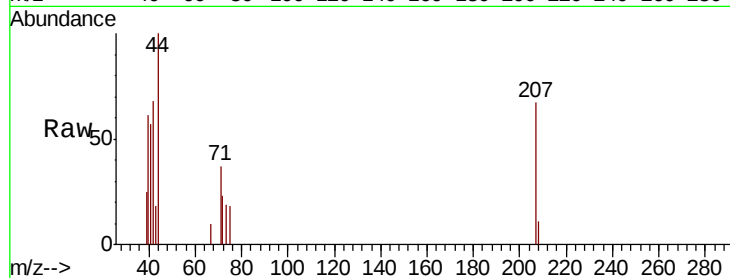




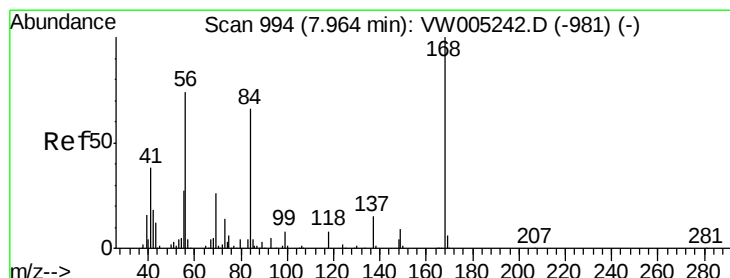
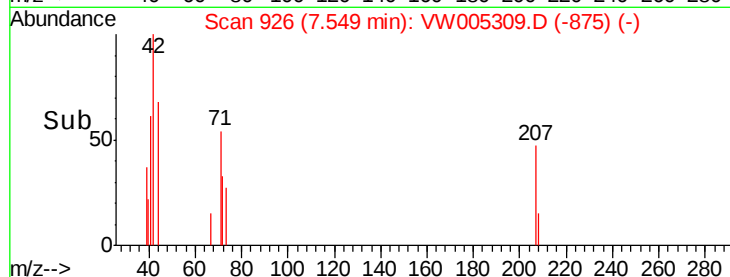
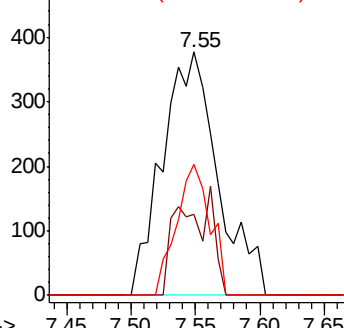
#29
Tetrahydrofuran
Concen: 1.606 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.01 min
Lab File: VW005309.D
Acq: 12 Sep 2018 07:38

Instrument :
MSVOA_W
ClientSampleId :
HR-05-090718-CRE

Tgt Ion: 42 Resp: 1131
Ion Ratio Lower Upper
42 100
72 26.3 37.5 56.3#
71 32.5 34.8 52.2#

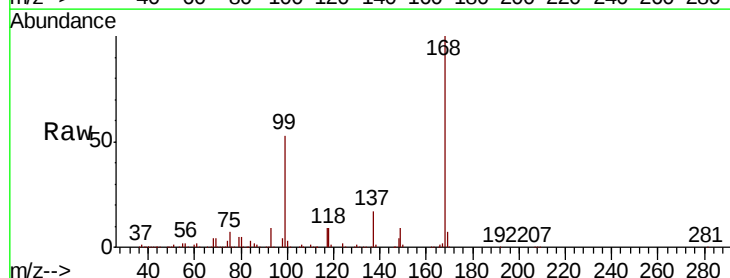


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

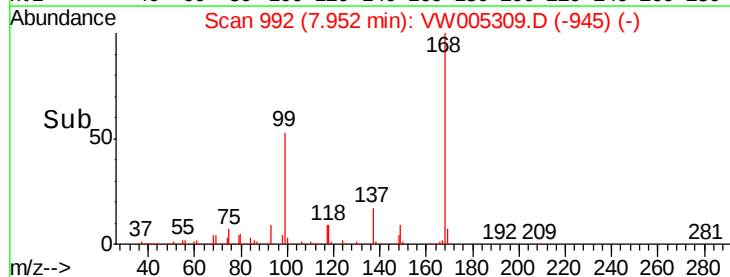
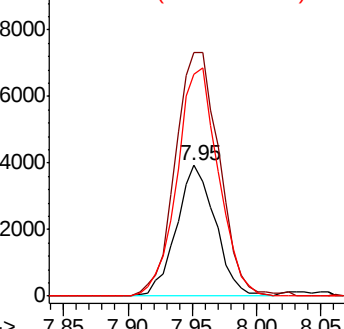


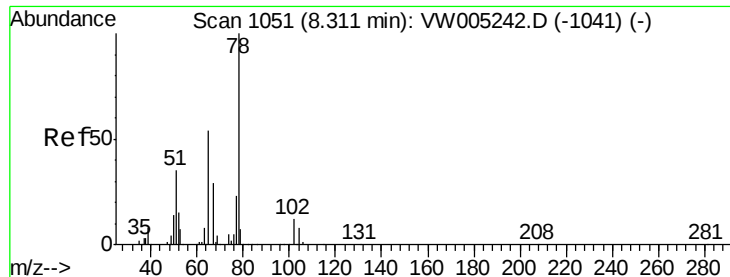
#31
Cyclohexane
Concen: 1.076 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005309.D
Acq: 12 Sep 2018 07:38

Tgt Ion: 56 Resp: 8216
Ion Ratio Lower Upper
56 100
69 186.8 27.8 41.8#
84 170.0 72.1 108.1#



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

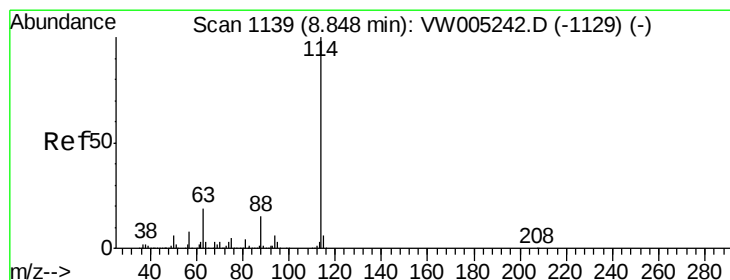
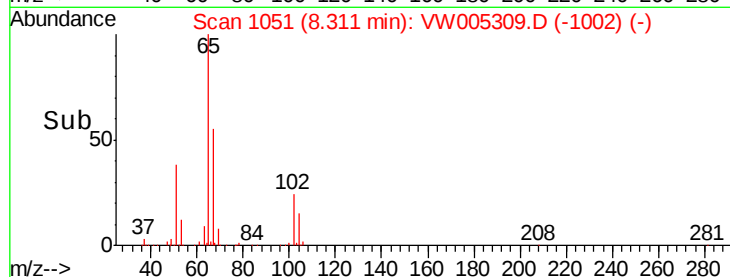
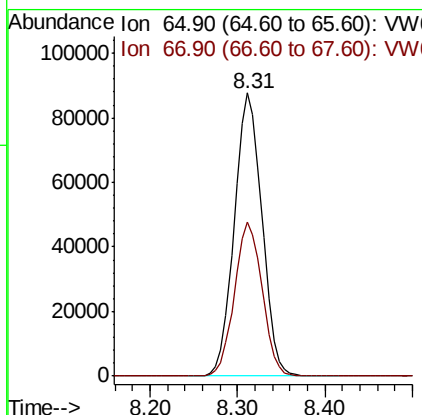
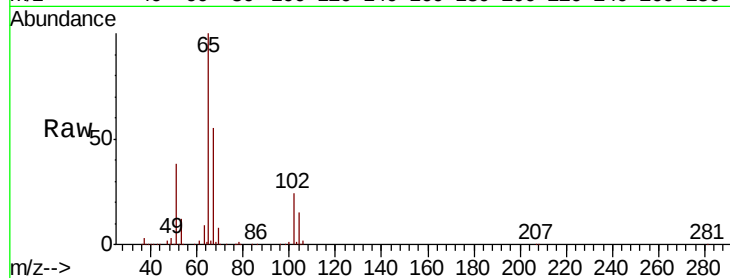




#33
 1,2-Dichloroethane-d4
 Concen: 53.907 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW005309.D
 Acq: 12 Sep 2018 07:38

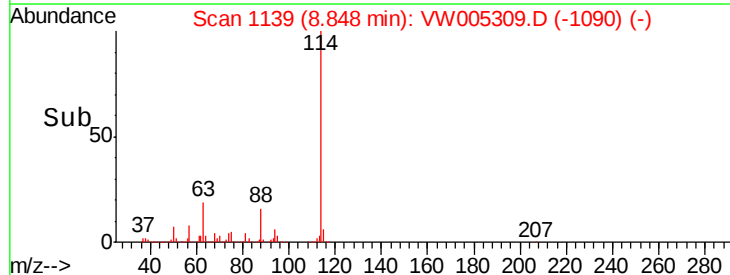
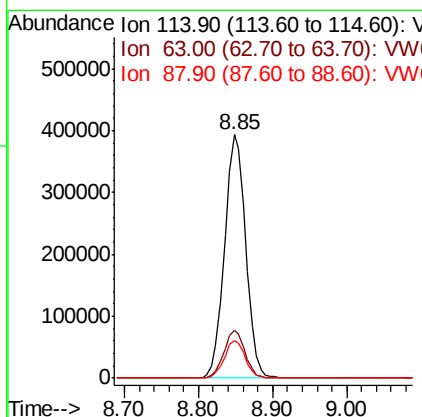
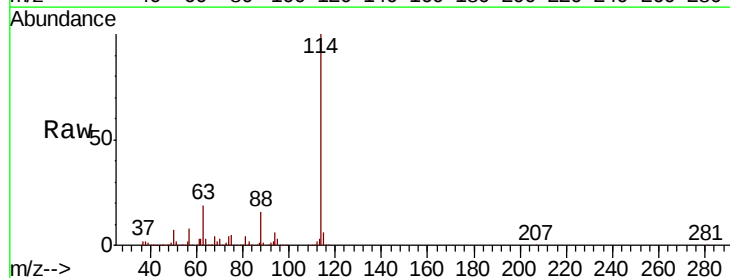
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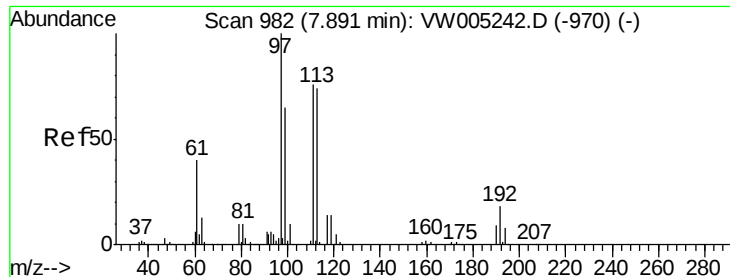
Tgt Ion: 65 Resp: 192359
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 112.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005309.D
 Acq: 12 Sep 2018 07:38

Tgt Ion: 114 Resp: 780821
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 37.0
 88 15.5 0.0 30.4

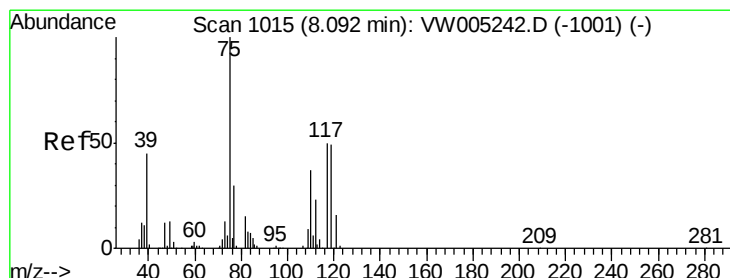
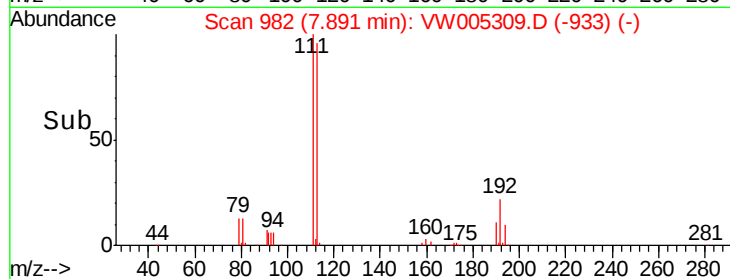
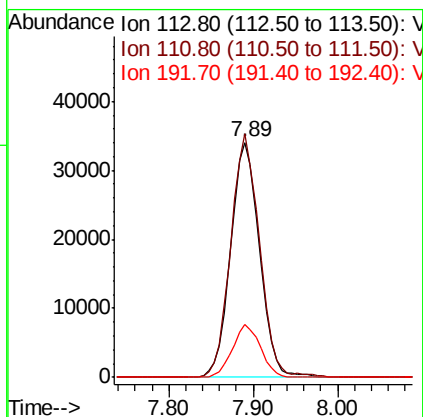
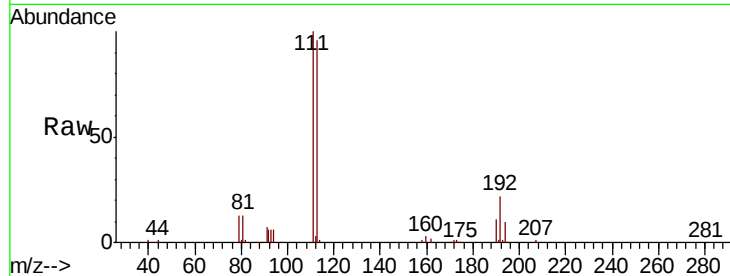




#35
 Dibromofluoromethane
 Concen: 19.303 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005309.D
 Acq: 12 Sep 2018 07:38

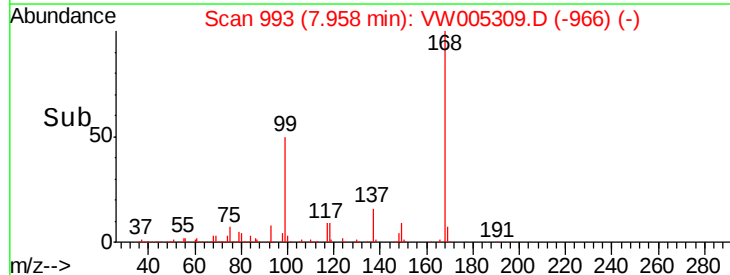
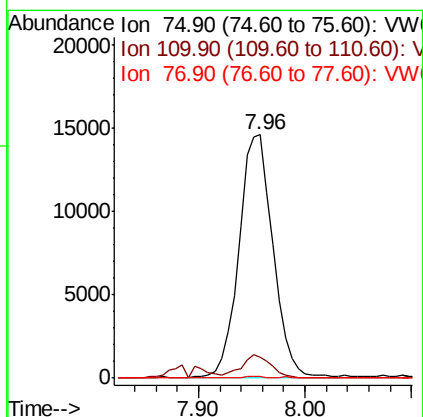
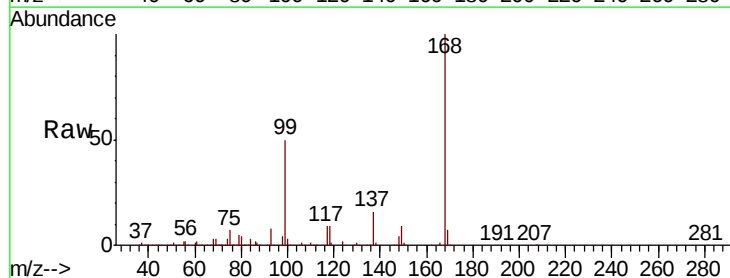
Instrument :
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 HR-05-090718-CRE

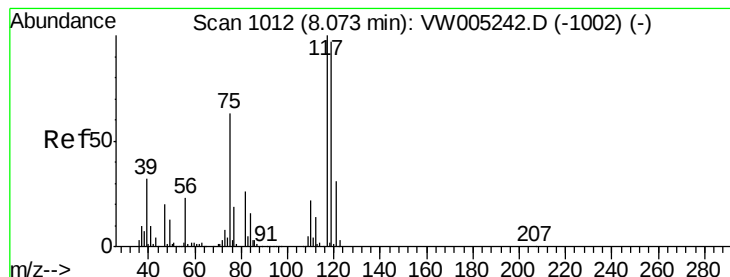
Tgt Ion: 113 Resp: 78952
 Ion Ratio Lower Upper
 113 100
 111 103.1 80.6 121.0
 192 21.9 18.3 27.5



#36
 1,1-Dichloropropene
 Concen: 4.613 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005309.D
 Acq: 12 Sep 2018 07:38

Tgt Ion: 75 Resp: 32997
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.8 56.4#
 77 0.3 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.368 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005309.D

Acq: 12 Sep 2018 07:38

Instrument :

MSVOA_W

ClientSampleId :

HR-05-090718-CRE

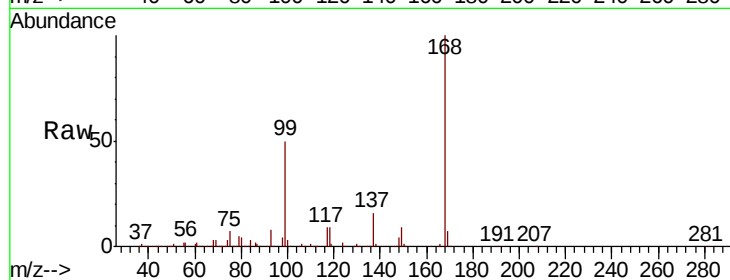
Tgt Ion:117 Resp: 42675

Ion Ratio Lower Upper

117 100

119 7.0 77.5 116.3#

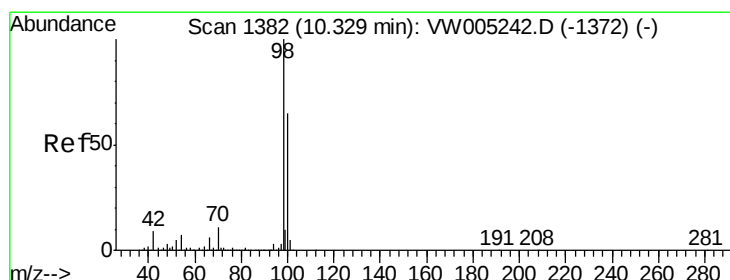
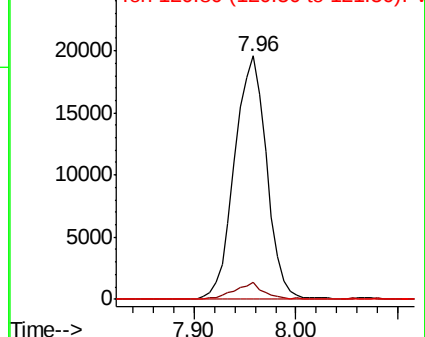
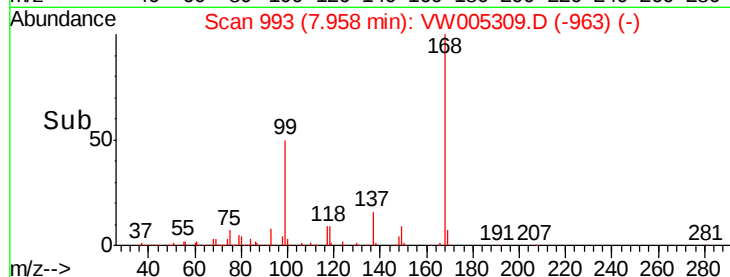
121 0.0 24.7 37.1#



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: 36.229 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005309.D

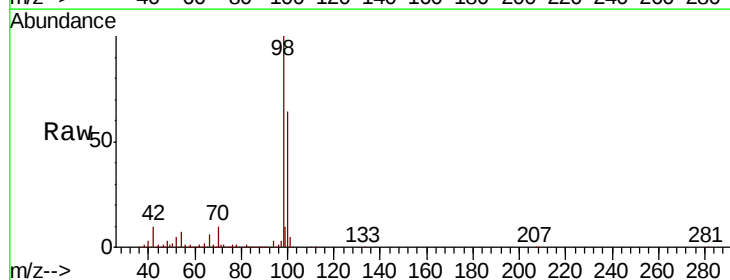
Acq: 12 Sep 2018 07:38

Tgt Ion: 98 Resp: 748791

Ion Ratio Lower Upper

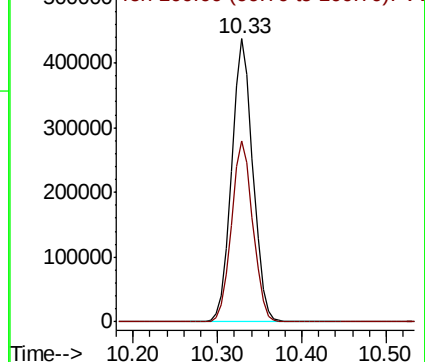
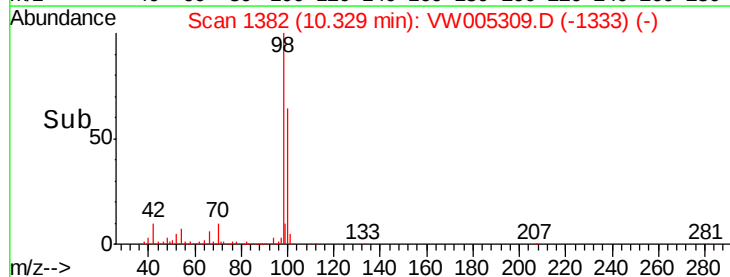
98 100

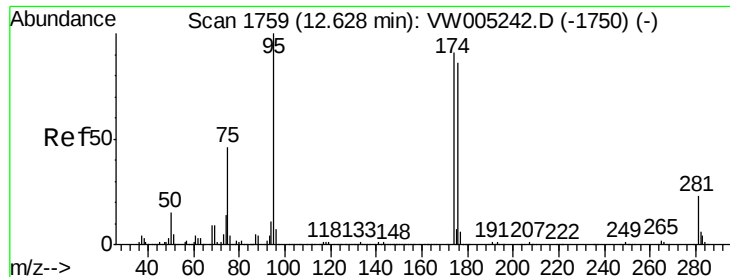
100 64.3 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 33.965 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.01 min

Lab File: VW005309.D

Acq: 12 Sep 2018 07:38

Instrument :

MSVOA_W

ClientSampleId :

HR-05-090718-CRE

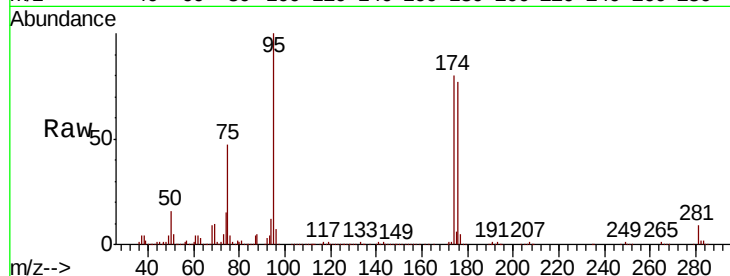
Tgt Ion: 95 Resp: 256771

Ion Ratio Lower Upper

95 100

174 85.1 0.0 174.6

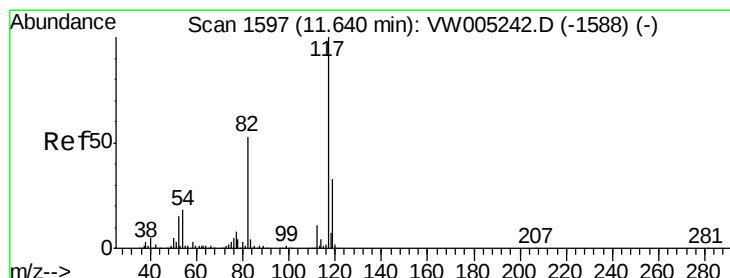
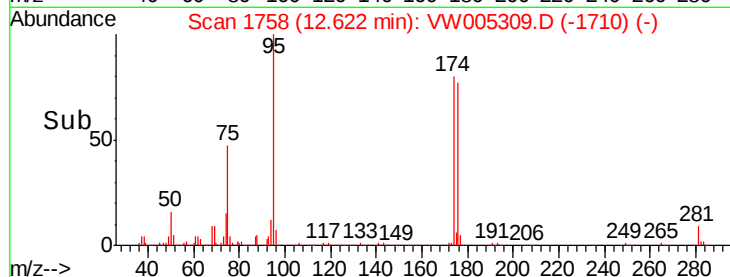
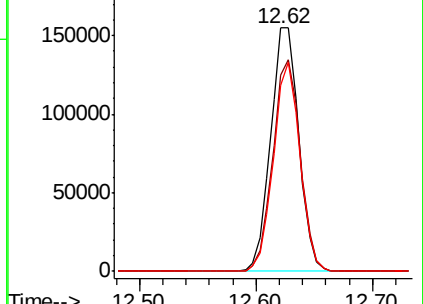
176 81.1 0.0 167.6



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. -0.01 min

Lab File: VW005309.D

Acq: 12 Sep 2018 07:38

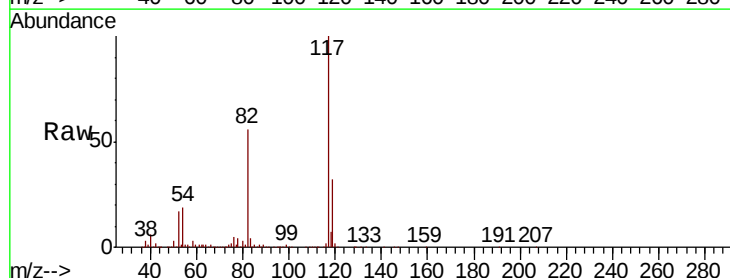
Tgt Ion: 117 Resp: 745273

Ion Ratio Lower Upper

117 100

82 56.0 42.6 63.8

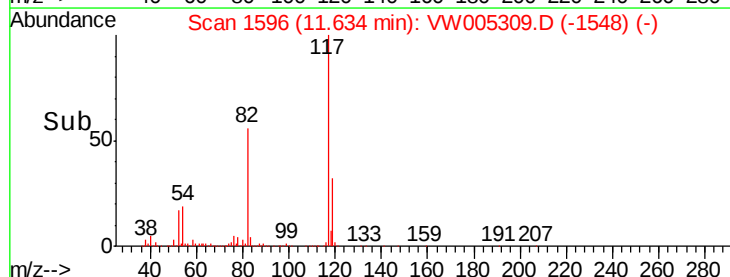
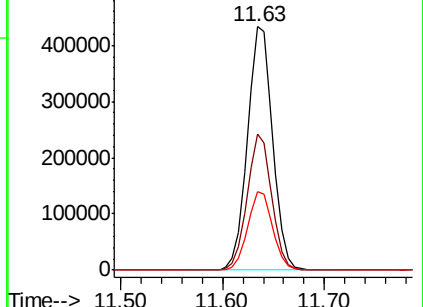
119 32.4 26.2 39.4

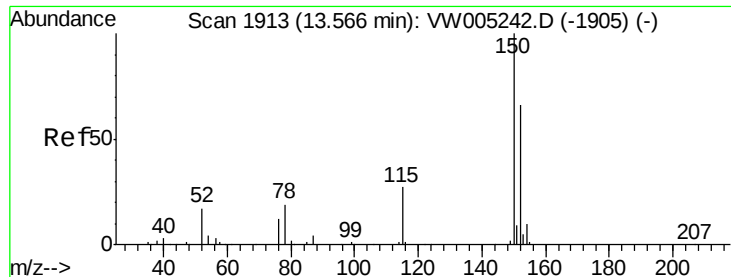


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW005309.D

Acq: 12 Sep 2018 07:38

Instrument :

MSVOA_W

ClientSampleId :

HR-05-090718-CRE

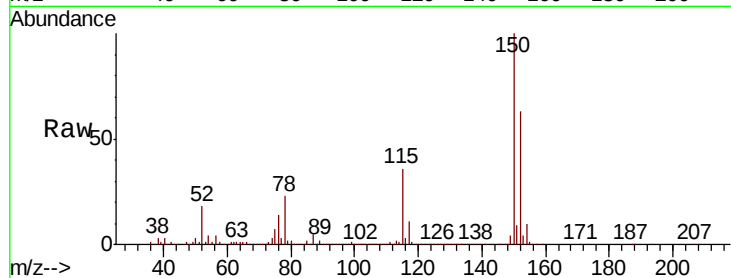
Tgt Ion:152 Resp: 334568

Ion Ratio Lower Upper

152 100

115 57.8 27.5 82.4

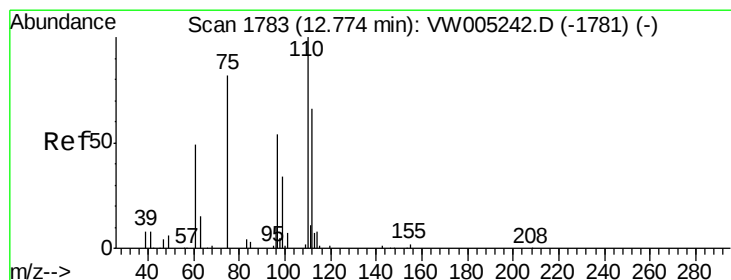
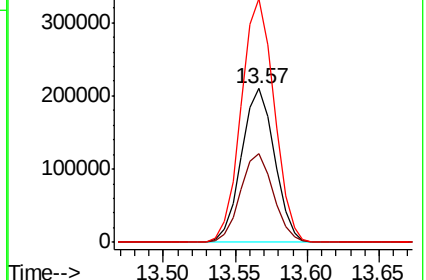
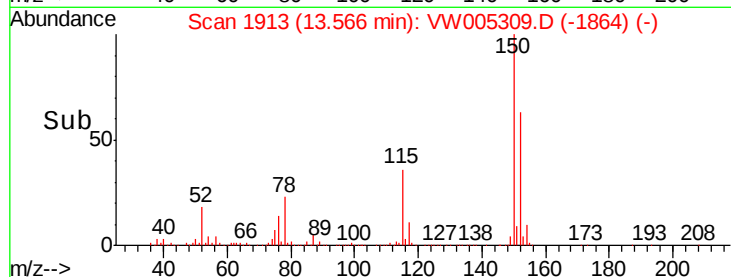
150 158.3 0.0 347.4



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: 45.531 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005309.D

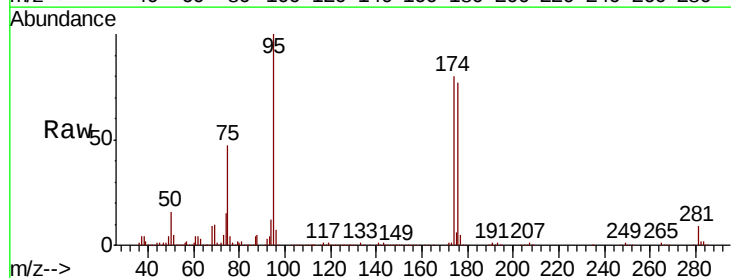
Acq: 12 Sep 2018 07:38

Tgt Ion: 75 Resp: 117167

Ion Ratio Lower Upper

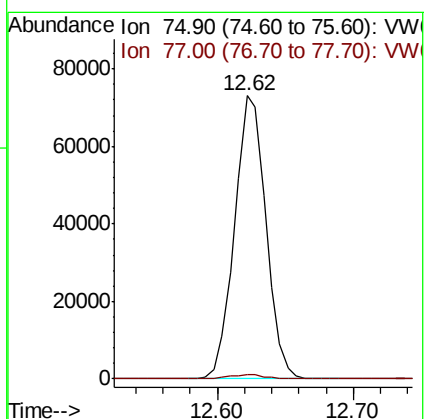
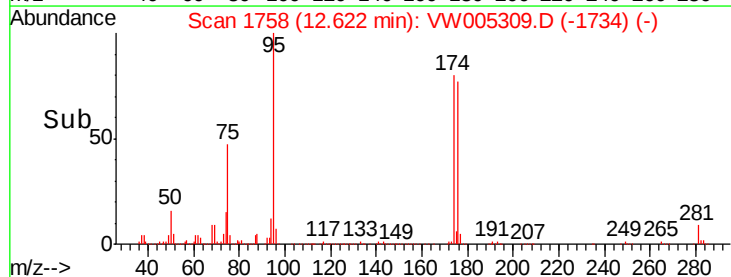
75 100

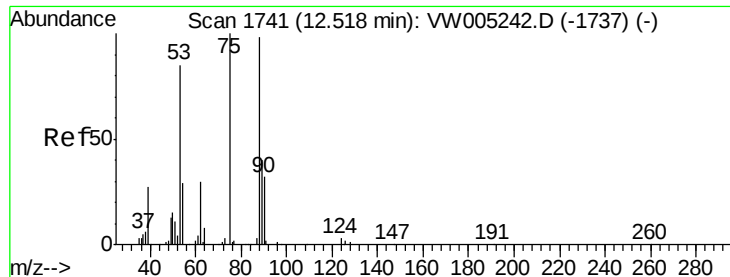
77 1.7 0.0 0.0#



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: 106.781 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005309.D

Acq: 12 Sep 2018 07:38

Instrument :

MSVOA_W

ClientSampleId :

HR-05-090718-CRE

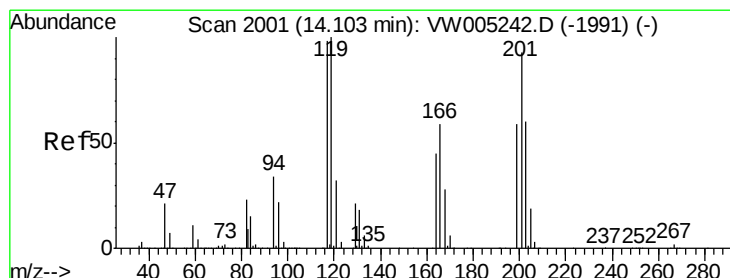
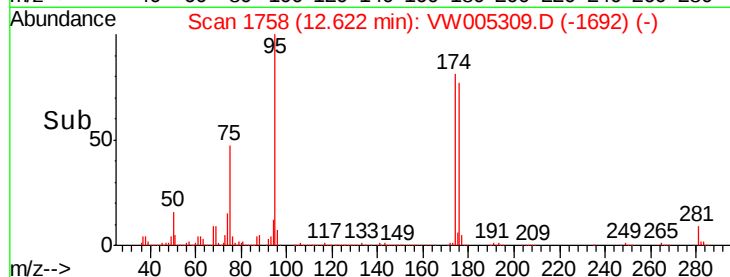
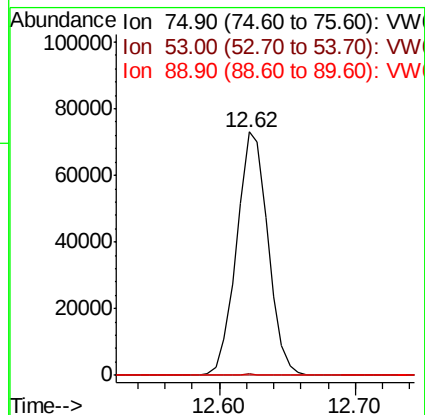
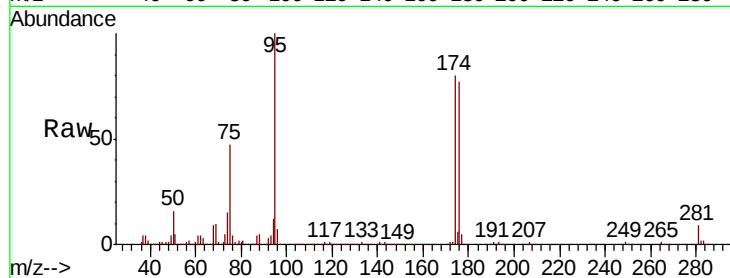
Tgt Ion: 75 Resp: 117167

Ion Ratio Lower Upper

75 100

53 0.5 67.0 100.6#

89 0.1 37.0 55.4#



#90

Hexachloroethane

Concen: 1.839 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW005309.D

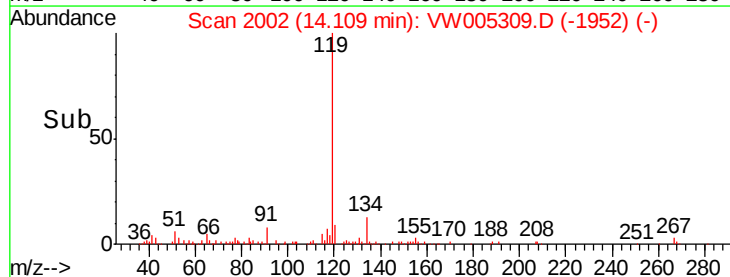
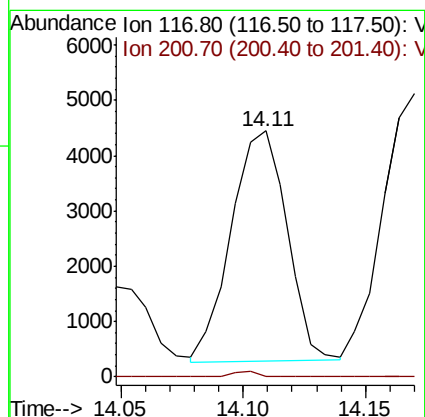
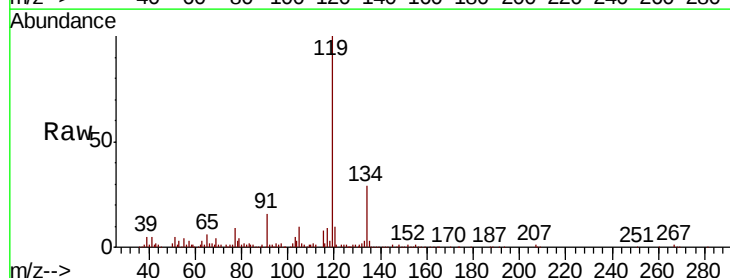
Acq: 12 Sep 2018 07:38

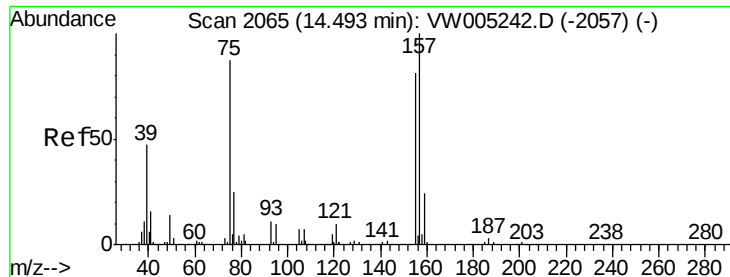
Tgt Ion: 117 Resp: 6599

Ion Ratio Lower Upper

117 100

201 1.0 44.0 132.1#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.136 ug/l
 RT: 14.47 min Scan# 2061
 Delta R.T. -0.02 min
 Lab File: VW005309.D
 Acq: 12 Sep 2018 07:38

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-090718-CRE

Tgt Ion: 75 Resp: 671
 Ion Ratio Lower Upper
 75 100
 155 0.0 47.4 142.2#
 157 22.5 59.4 178.2#

