

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008995.D
 Acq On : 05 Mar 2019 14:34
 Operator : SY/VA
 Sample : K1655-02RE
 Misc : 6.51G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 06 06:49:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	258681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	396734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	353630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	158584	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	154123	63.52	ug/l	0.00
Spiked Amount			Recovery	=	127.04%	
35) Dibromofluoromethane	7.88	113	126222	52.99	ug/l	0.00
Spiked Amount			Recovery	=	105.98%	
50) Toluene-d8	10.32	98	472446	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	12.62	95	158725	44.09	ug/l	0.00
Spiked Amount			Recovery	=	88.18%	

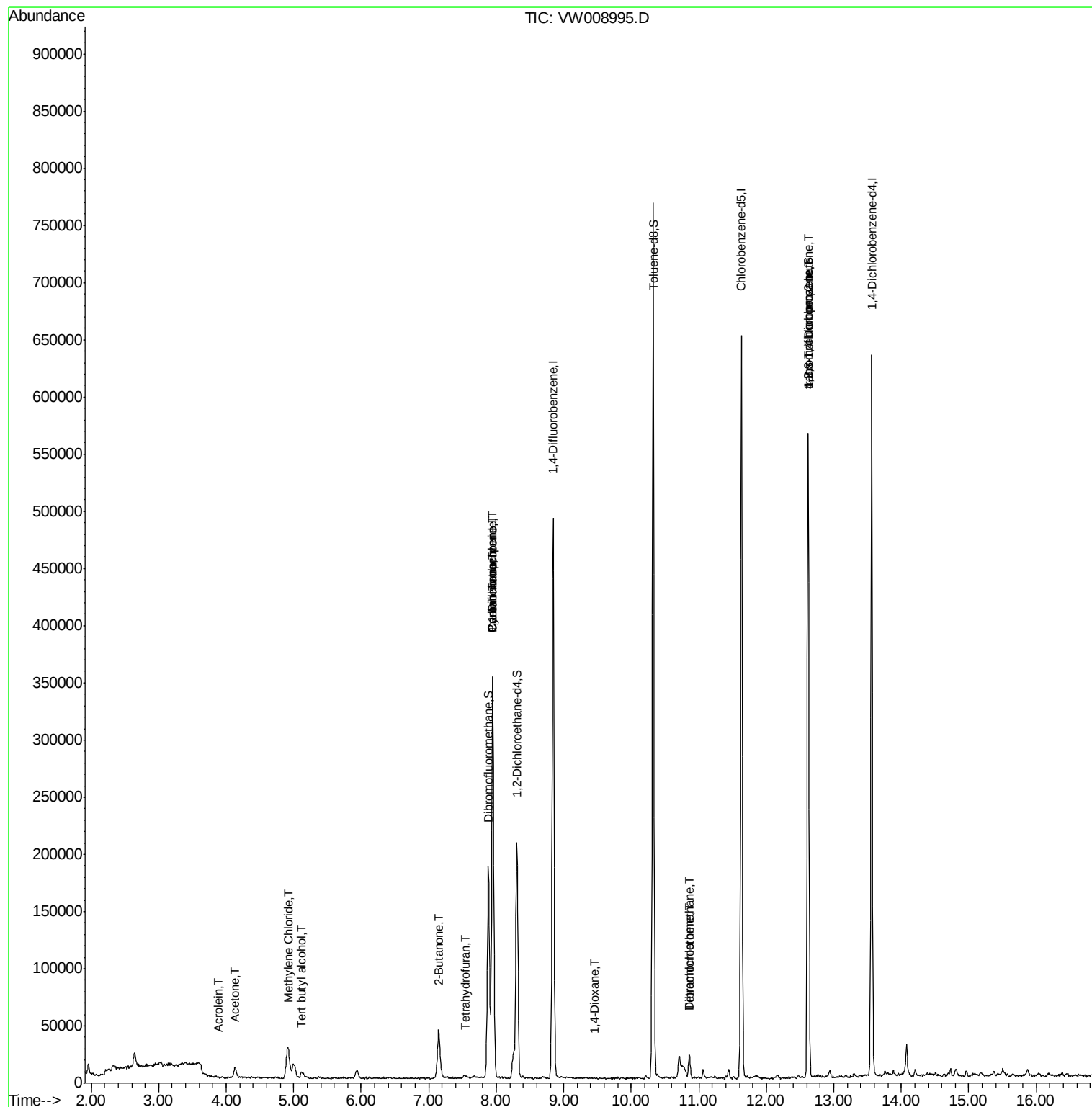
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	4727	21.885	ug/l #	74
13) Acrolein	3.89	56	68	20.055	ug/l	83
16) Acetone	4.13	43	15954	28.369	ug/l	100
20) Methylene Chloride	4.92	84	22911	3.521	ug/l #	85
25) 2-Butanone	7.15	43	2651	3.372	ug/l	96
29) Tetrahydrofuran	7.54	42	2471	4.932	ug/l #	86
31) Cyclohexane	7.95	56	6541	1.430	ug/l #	43
36) 1,1-Dichloropropene	7.95	75	20180	5.225	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24861	6.104	ug/l #	16
49) 1,4-Dioxane	9.46	88	61	2.628	ug/l #	25
60) Dibromochloromethane	10.87	129	3305	1.379	ug/l #	12
64) Tetrachloroethene	10.86	164	4462	1.763	ug/l	87
76) 1,2,3-Trichloropropane	12.62	75	84457	64.504	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84457	156.815	ug/l #	6

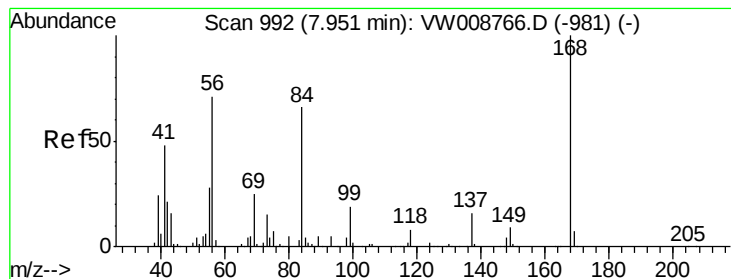
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW030519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008995.D

Acq: 05 Mar 2019 14:34

Instrument :

MSVOA_W

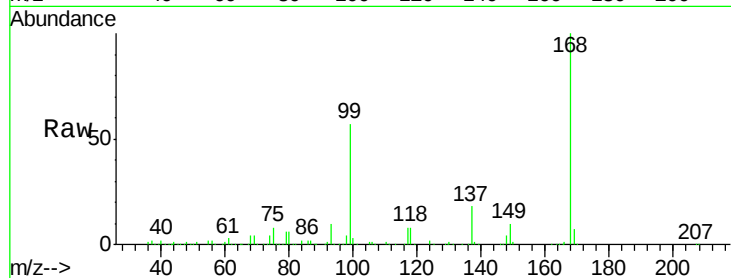
ClientSampleId :

Tot Ion:168 Resp: 258681

Ion Ratio Lower Upper

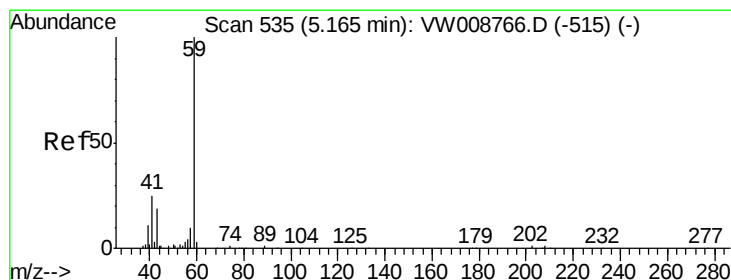
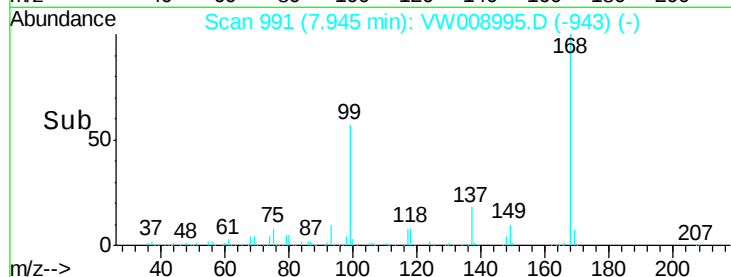
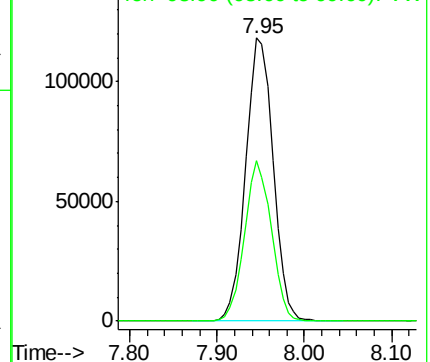
168 100

99 56.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 21.885 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW008995.D

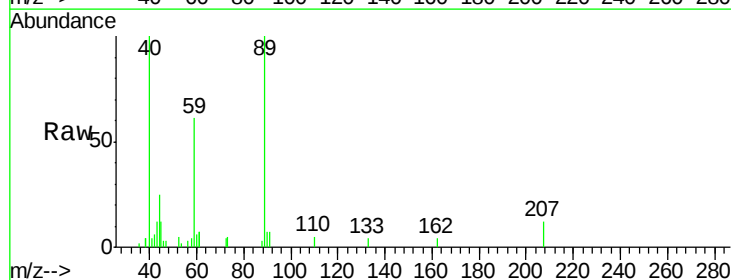
Acq: 05 Mar 2019 14:34

Tgt Ion: 59 Resp: 4727

Ion Ratio Lower Upper

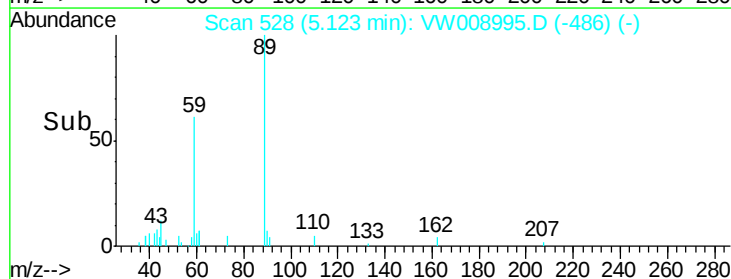
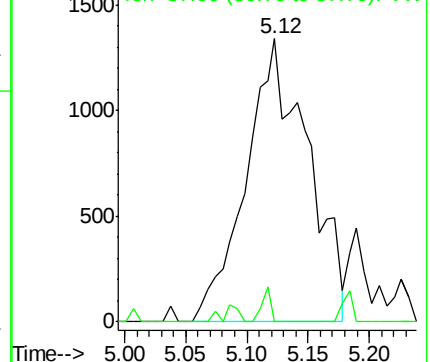
59 100

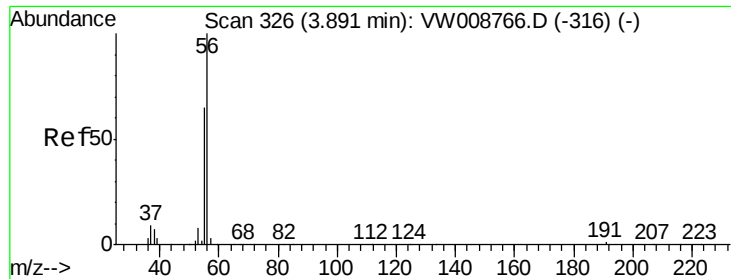
57 1.8 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

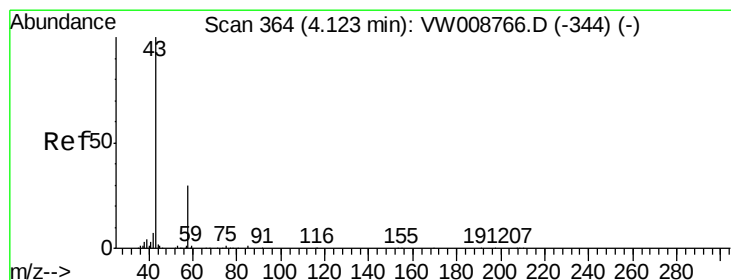
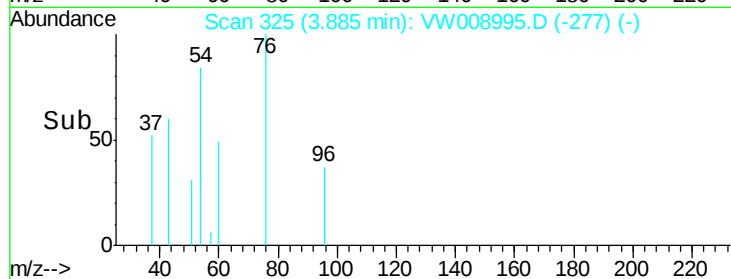
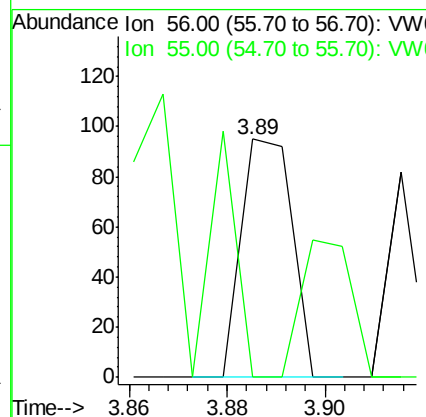
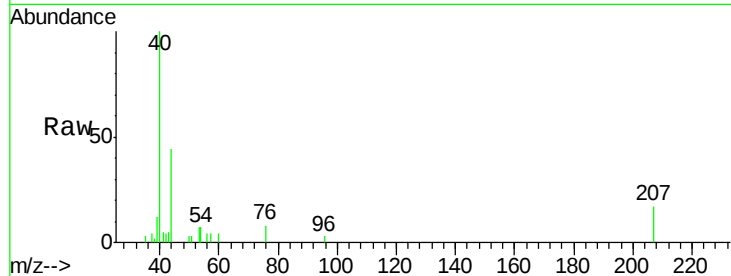




#13
Acrolein
Concen: 20.055 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW008995.D
Acq: 05 Mar 2019 14:34

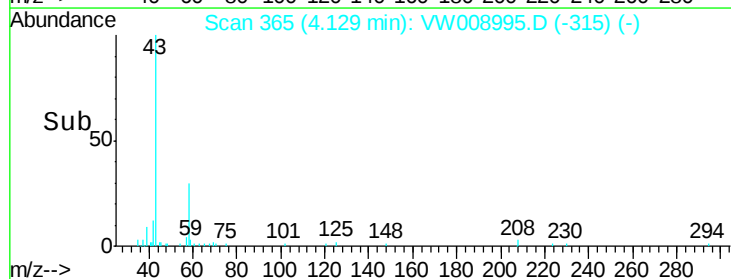
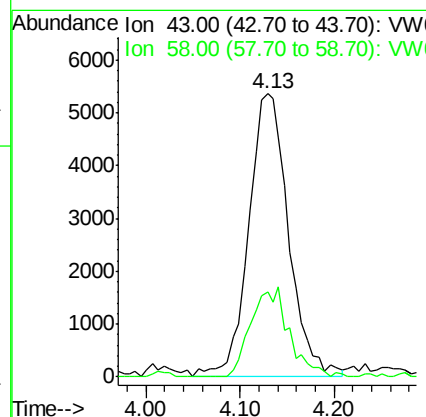
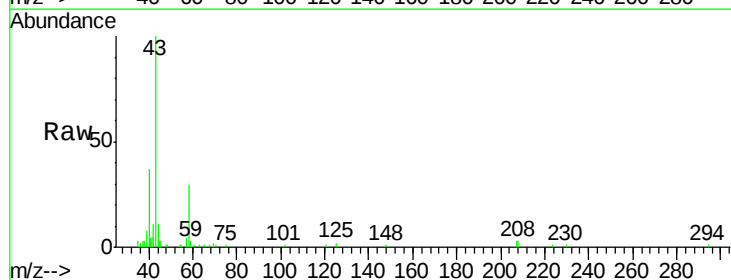
Instrument :
MSVOA_W
ClientSampleId :

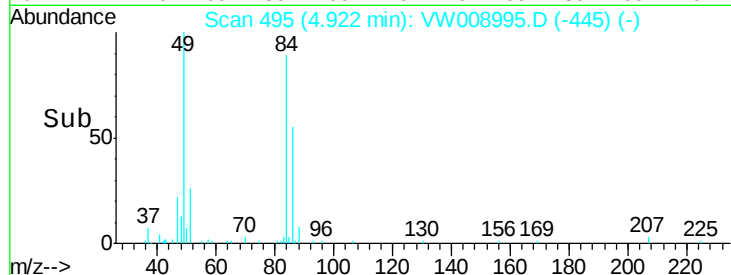
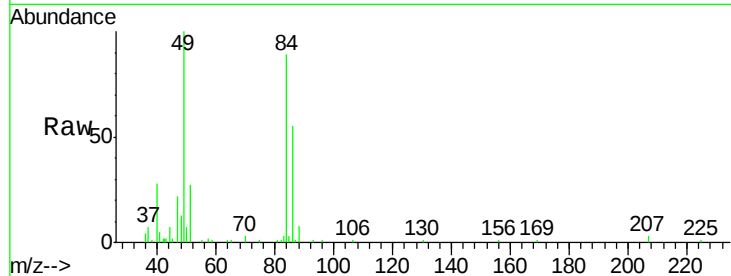
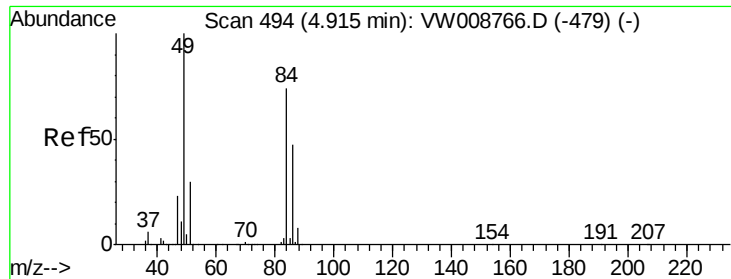
Tot Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 57.4 56.9 85.3



#16
Acetone
Concen: 28.369 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW008995.D
Acq: 05 Mar 2019 14:34

Tgt Ion: 43 Resp: 15954
Ion Ratio Lower Upper
43 100
58 29.9 23.8 35.6

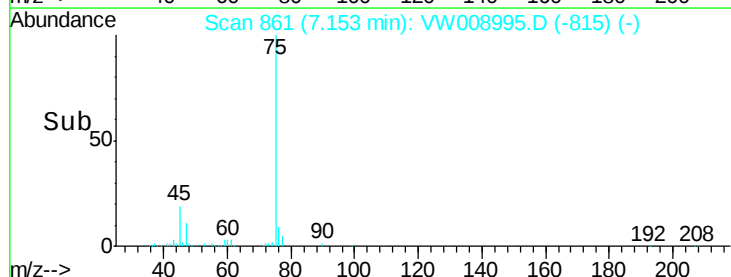
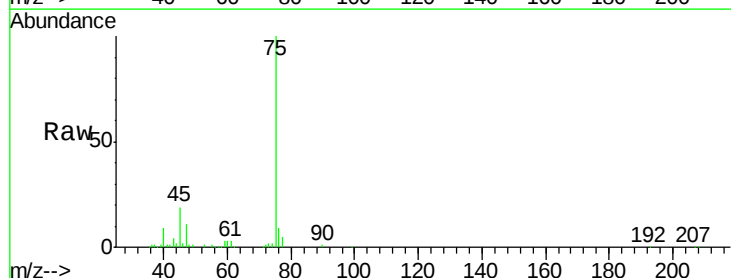
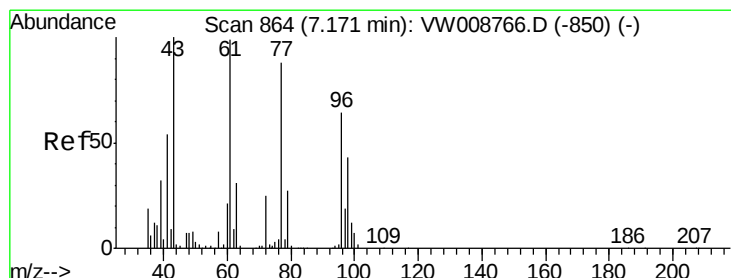
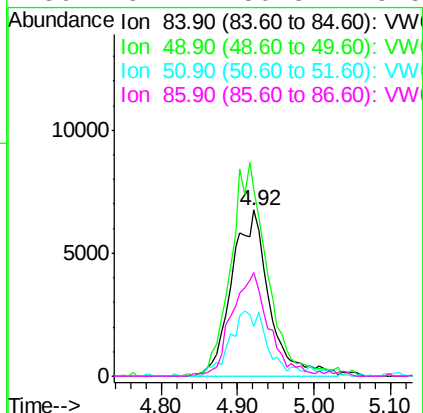




#20
Methylene Chloride
Concen: 3.521 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW008995.D
Acq: 05 Mar 2019 14:34

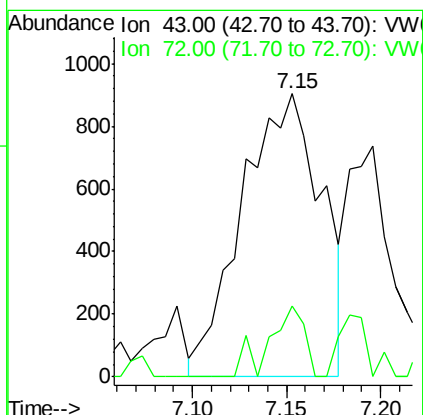
Instrument :
MSVOA_W
ClientSampleId :

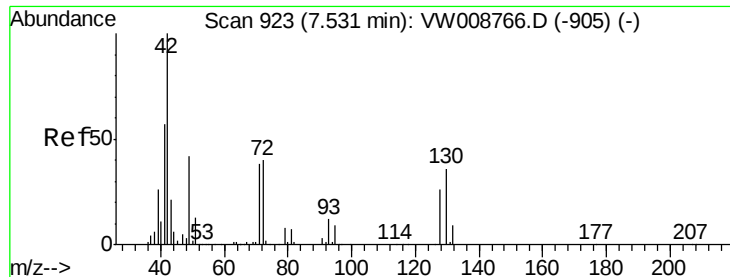
Tot Ion	84	Resp	22911
Ion Ratio	Lower	Upper	
84	100		
49	110.4	108.2	162.2
51	30.4	32.7	49.1#
86	62.1	50.3	75.5



#25
2-Butanone
Concen: 3.372 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW008995.D
Acq: 05 Mar 2019 14:34

Tgt Ion	43	Resp	2651
Ion Ratio	Lower	Upper	
43	100		
72	26.7	19.7	29.5

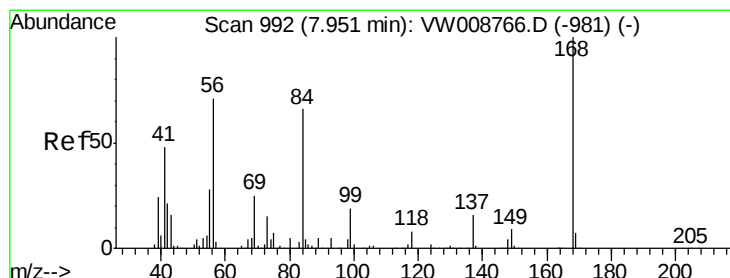
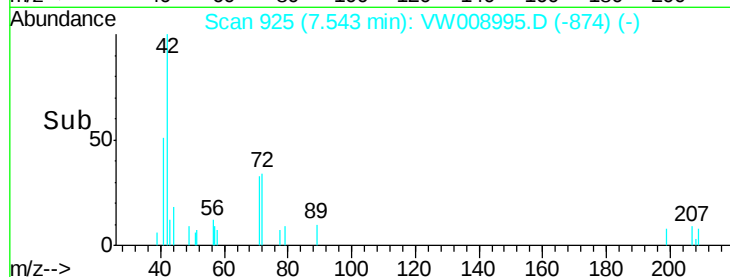
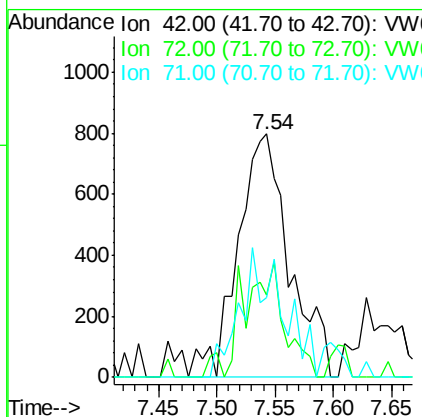
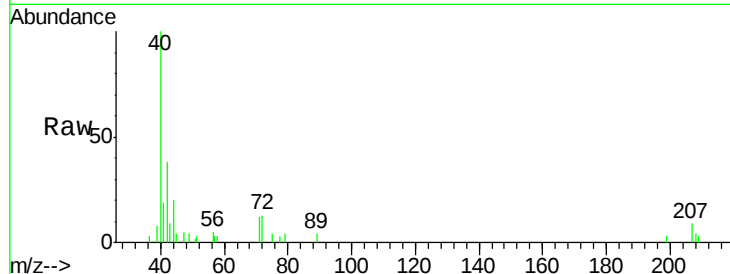




#29
Tetrahydrofuran
Concen: 4.932 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW008995.D
Acq: 05 Mar 2019 14:34

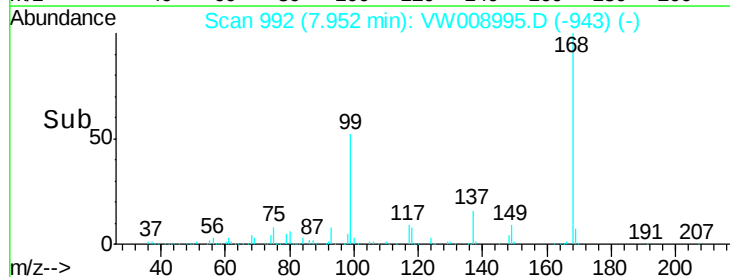
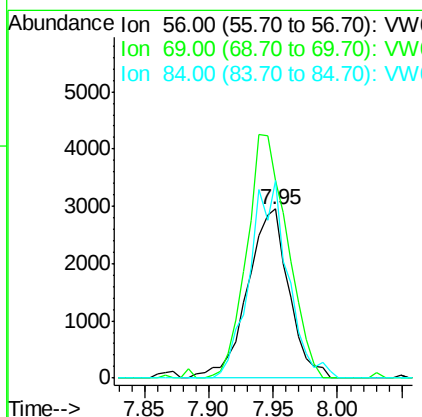
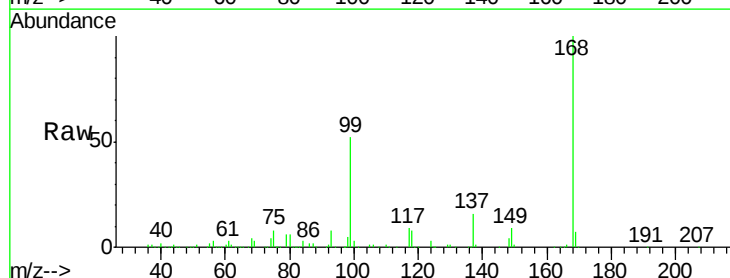
Instrument :
MSVOA_W
ClientSampleId :

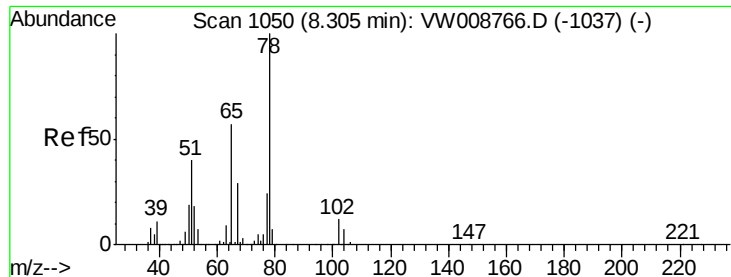
Tot Ion: 42 Resp: 2471
Ion Ratio Lower Upper
42 100
72 37.9 32.7 49.1
71 24.9 31.3 46.9#



#31
Cyclohexane
Concen: 1.430 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008995.D
Acq: 05 Mar 2019 14:34

Tgt Ion: 56 Resp: 6541
Ion Ratio Lower Upper
56 100
69 117.2 28.2 42.4#
84 117.1 74.1 111.1#





#33

1,2-Dichloroethane-d4

Concen: 63.525 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008995.D

Acq: 05 Mar 2019 14:34

Instrument :

MSVOA_W

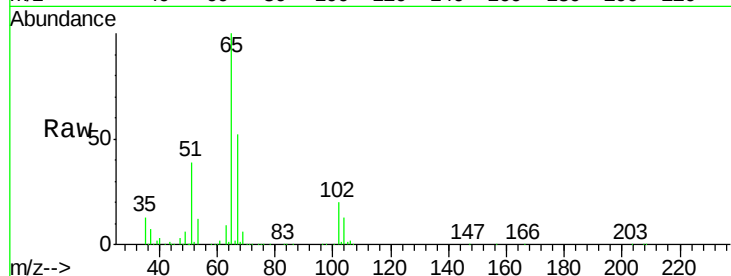
ClientSampleId :

Tot Ion: 65 Resp: 154123

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

60000

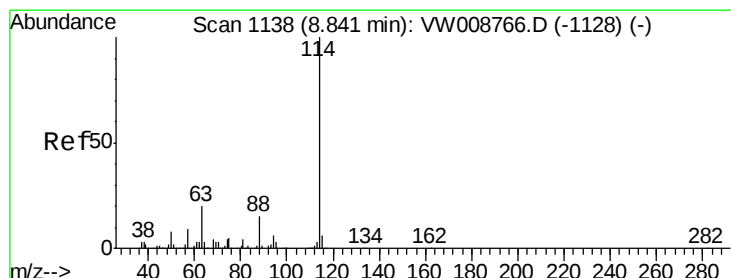
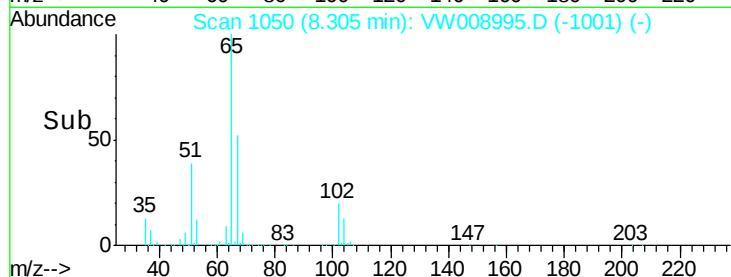
40000

20000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008995.D

Acq: 05 Mar 2019 14:34

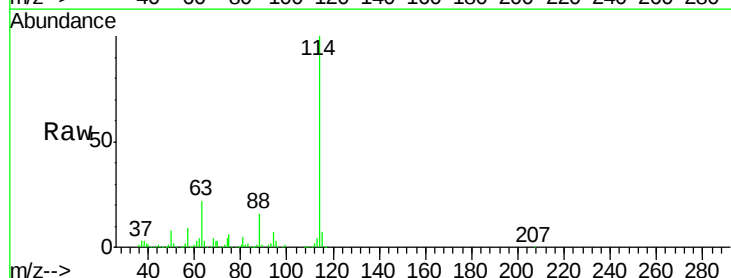
Tgt Ion: 114 Resp: 396734

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.8

88 15.8 0.0 30.4



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

250000

200000

150000

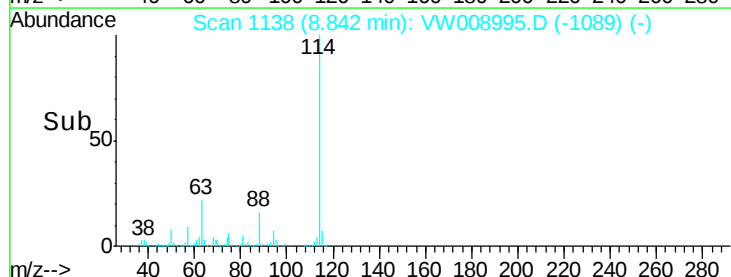
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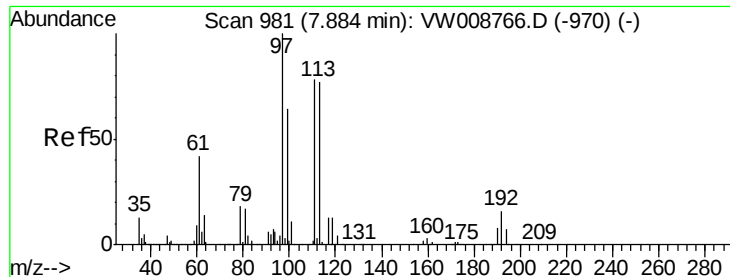
50000

0

8.70 8.80 8.90

Time-->





#35

Dibromofluoromethane

Concen: 52.989 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008995.D

Acq: 05 Mar 2019 14:34

Instrument :

MSVOA_W

ClientSampleId :

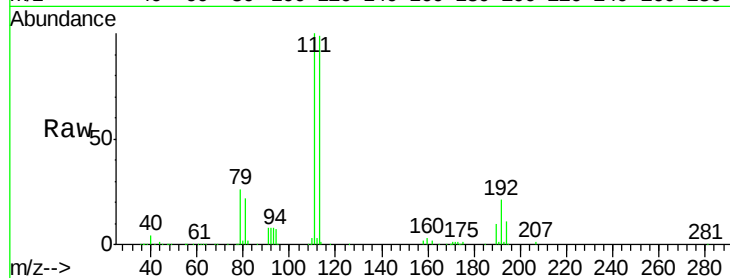
Tot Ion:113 Resp: 126222

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

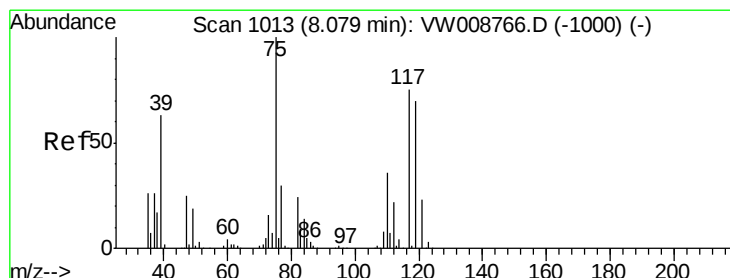
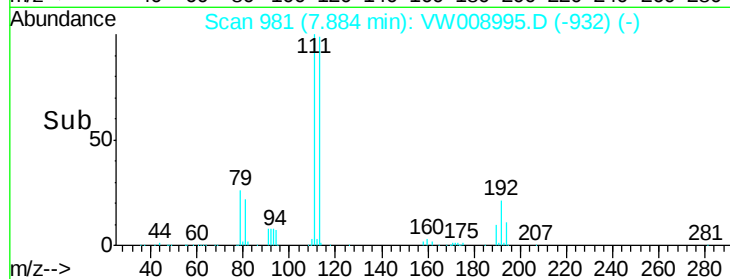
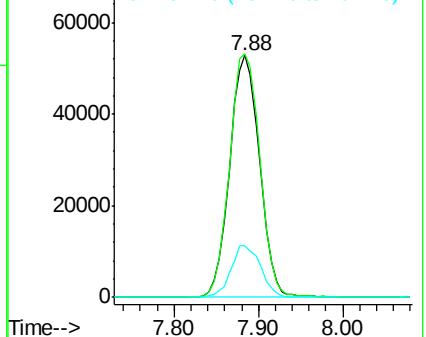
192 21.3 17.1 25.7



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: 5.225 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008995.D

Acq: 05 Mar 2019 14:34

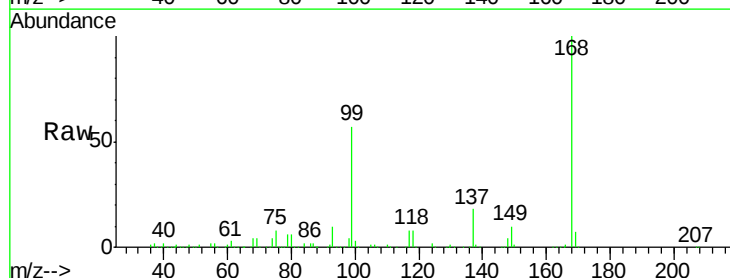
Tgt Ion: 75 Resp: 20180

Ion Ratio Lower Upper

75 100

110 10.1 17.5 52.6#

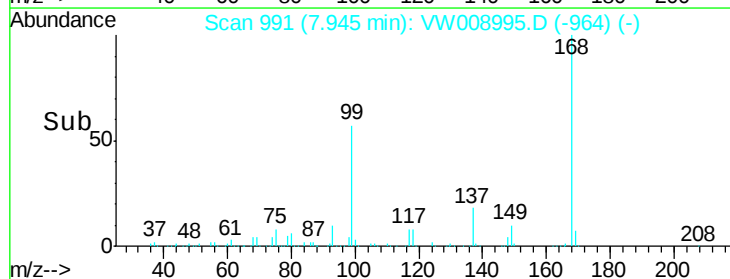
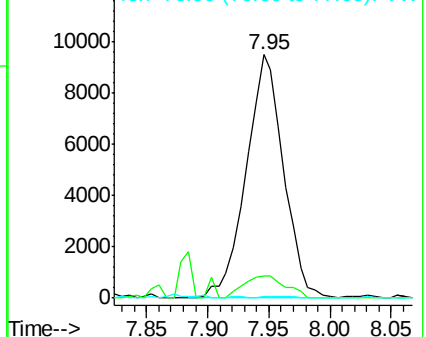
77 0.6 24.5 36.7#

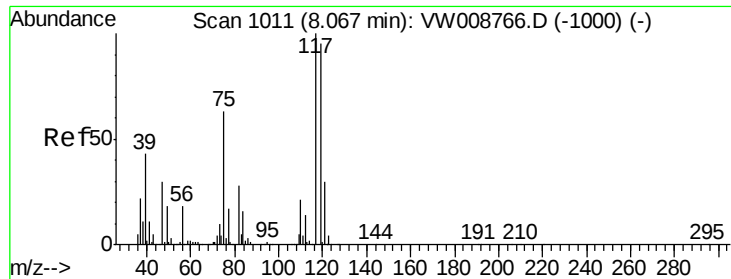


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.104 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008995.D

Acq: 05 Mar 2019 14:34

Instrument :

MSVOA_W

ClientSampled :

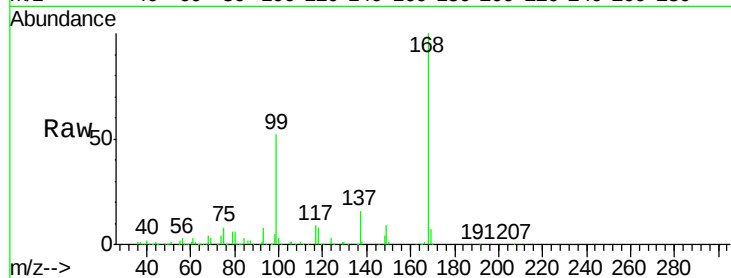
Tot Ion:117 Resp: 24861

Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

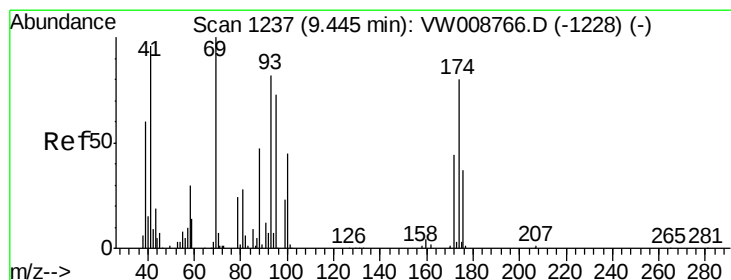
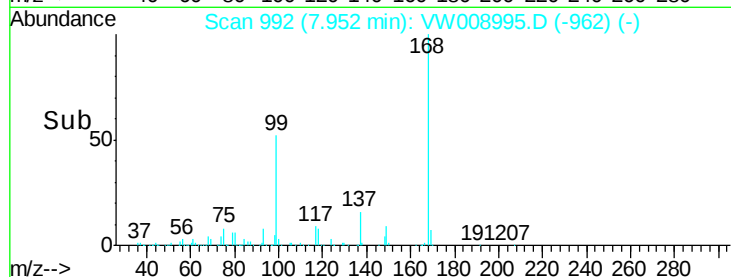
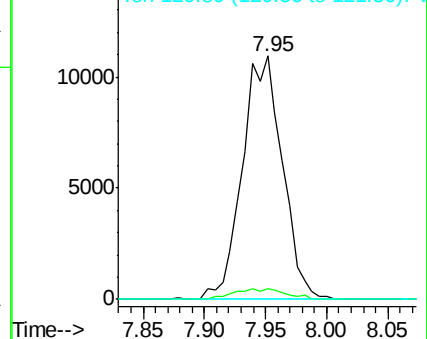
121 0.0 24.0 36.0#



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: 2.628 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW008995.D

Acq: 05 Mar 2019 14:34

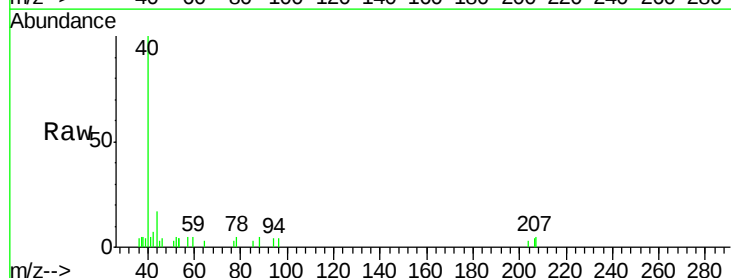
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

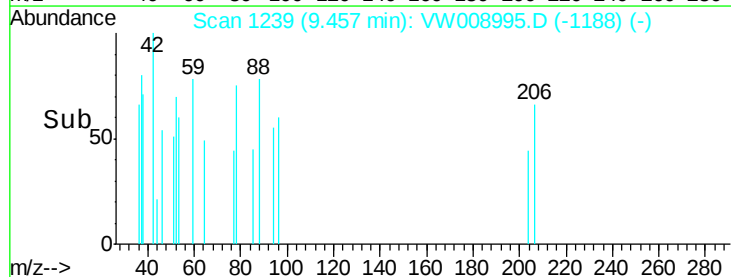
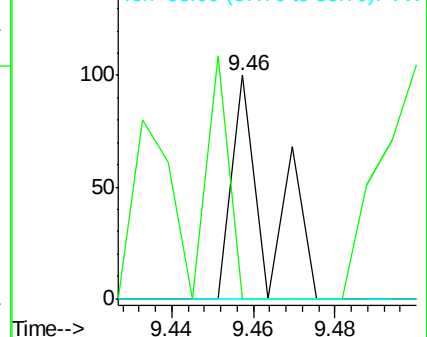
58 0.0 52.0 78.0#

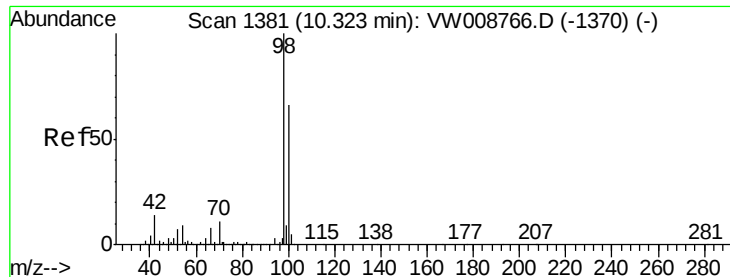


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 51.379 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008995.D

Acq: 05 Mar 2019 14:34

Instrument :

MSVOA_W

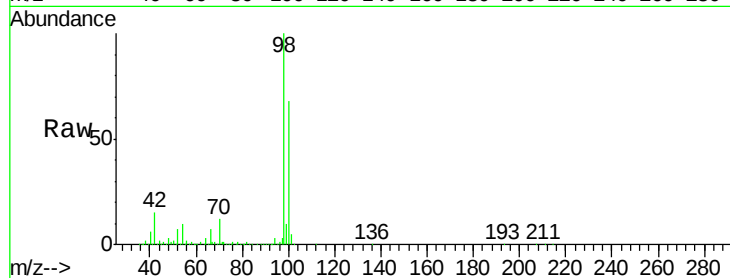
ClientSampleId :

Tot Ion: 98 Resp: 472446

Ion Ratio Lower Upper

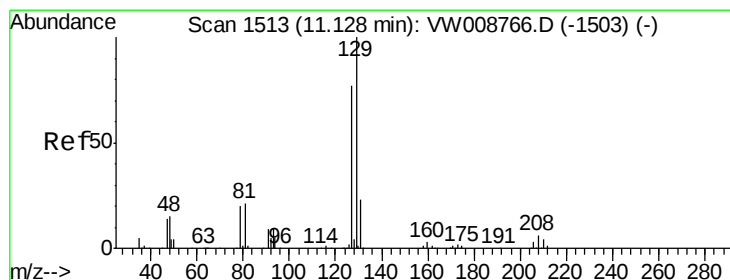
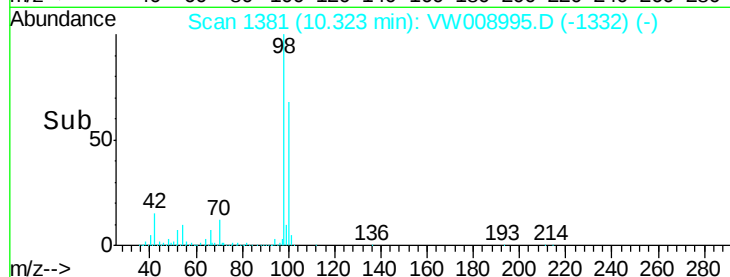
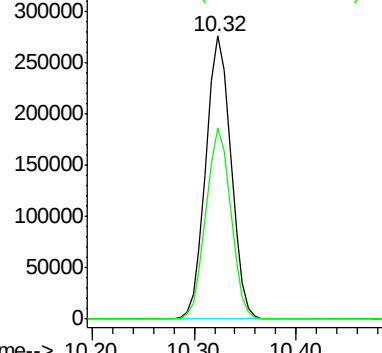
98 100

100 66.8 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#60

Dibromochloromethane

Concen: 1.379 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW008995.D

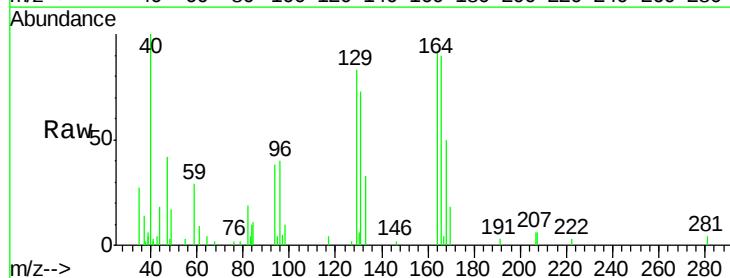
Acq: 05 Mar 2019 14:34

Tgt Ion: 129 Resp: 3305

Ion Ratio Lower Upper

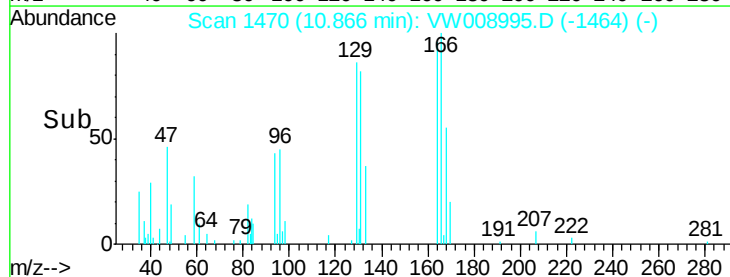
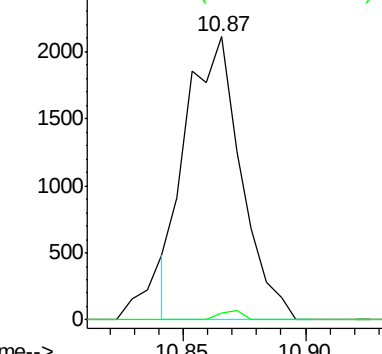
129 100

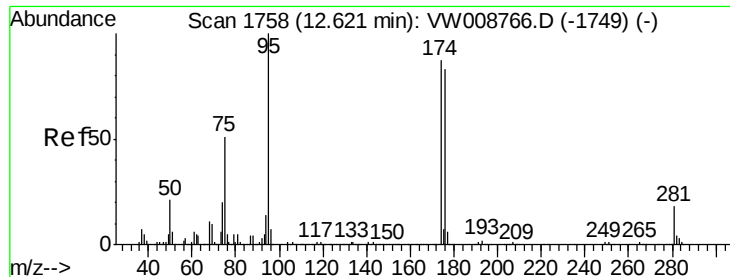
127 1.4 39.0 116.9#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

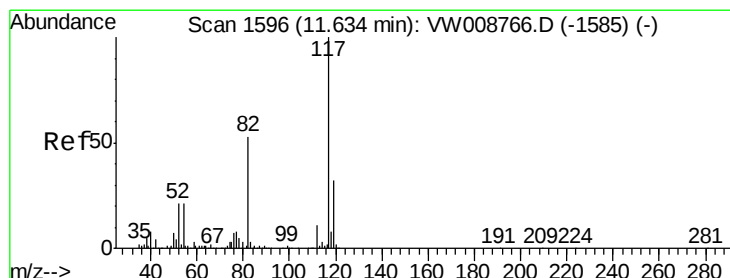
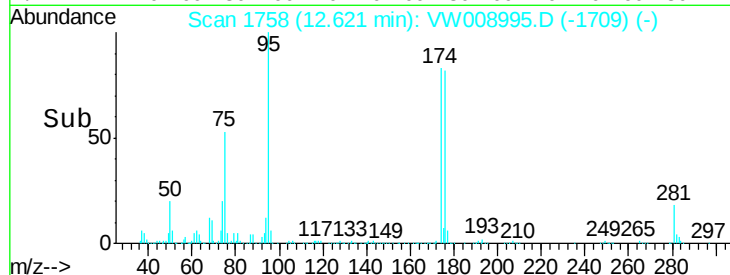
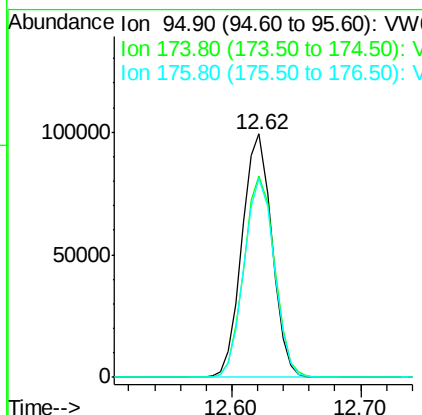
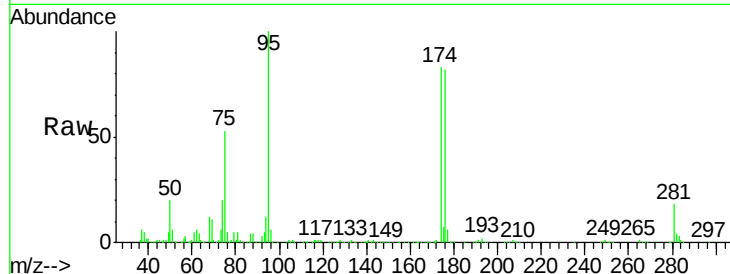




#62
4-Bromofluorobenzene
Concen: 44.086 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008995.D
Acq: 05 Mar 2019 14:34

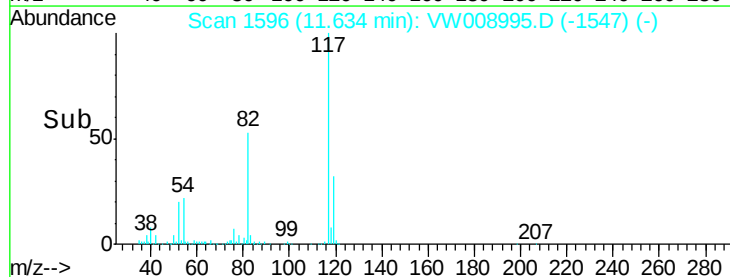
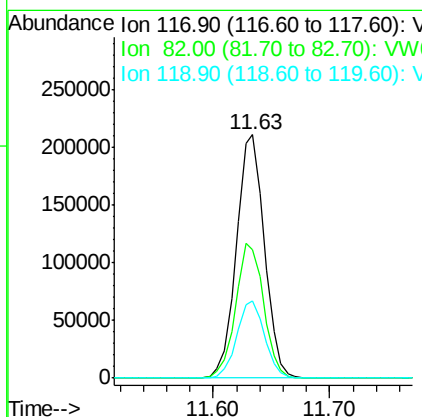
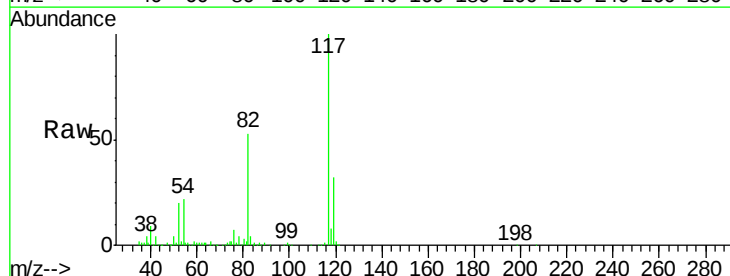
Instrument :
MSVOA_W
ClientSampleId :

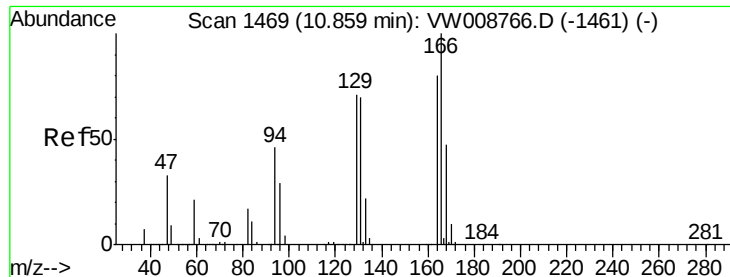
Tot Ion: 95 Resp: 158725
Ion Ratio Lower Upper
95 100
174 85.3 0.0 169.2
176 82.9 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008995.D
Acq: 05 Mar 2019 14:34

Tgt Ion: 117 Resp: 353630
Ion Ratio Lower Upper
117 100
82 52.7 42.2 63.4
119 31.6 25.9 38.9





#64

Tetrachloroethene

Concen: 1.763 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW008995.D

Acq: 05 Mar 2019 14:34

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 4462

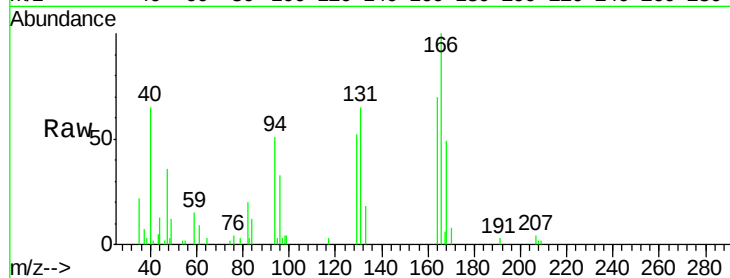
Ion Ratio Lower Upper

164 100

166 142.6 99.5 149.3

129 73.4 71.1 106.7

131 92.5 69.8 104.8

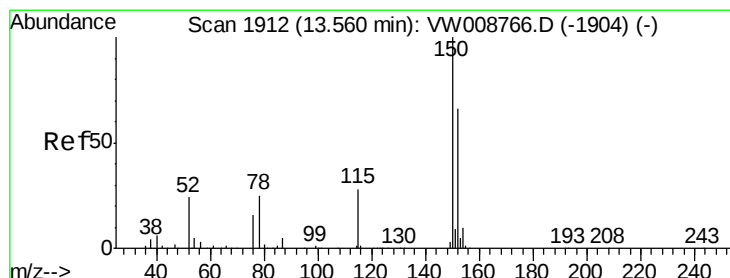
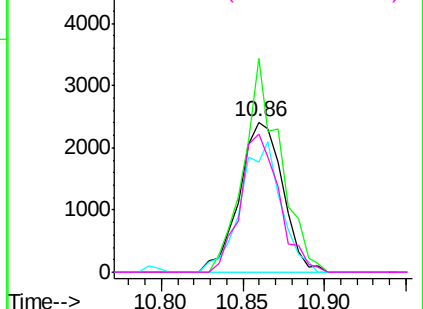
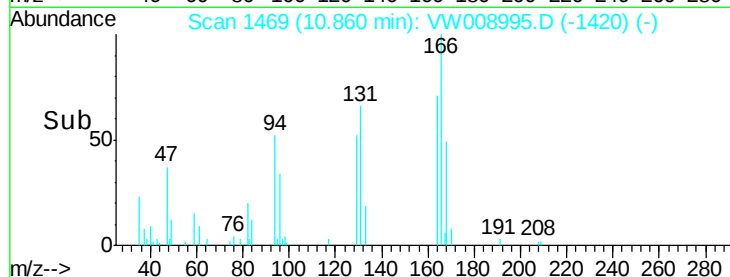


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008995.D

Acq: 05 Mar 2019 14:34

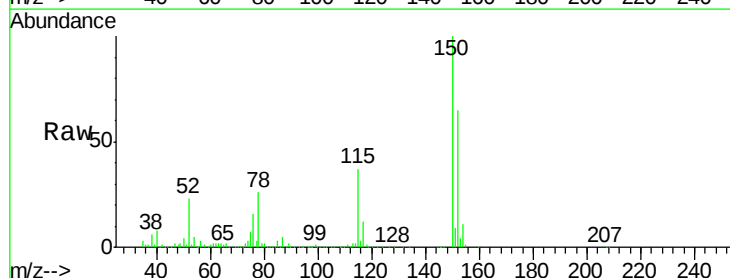
Tgt Ion:152 Resp: 158584

Ion Ratio Lower Upper

152 100

115 56.7 28.6 85.8

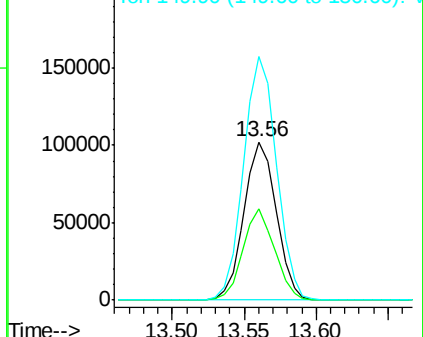
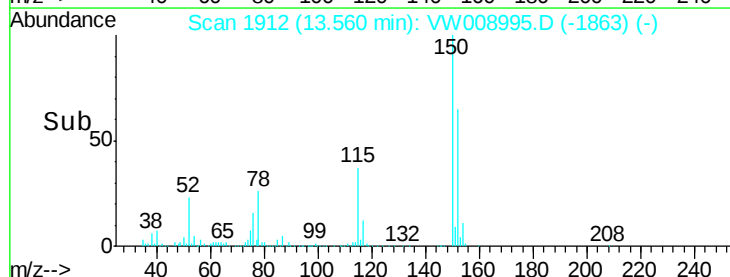
150 156.8 0.0 348.0

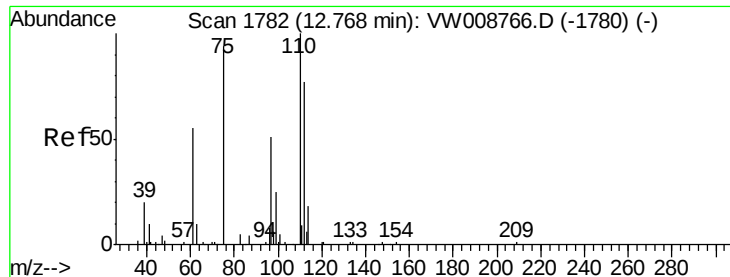


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

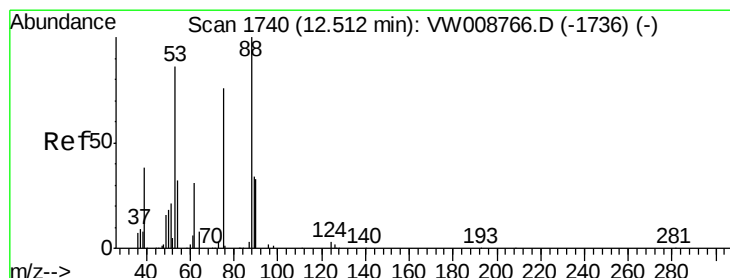
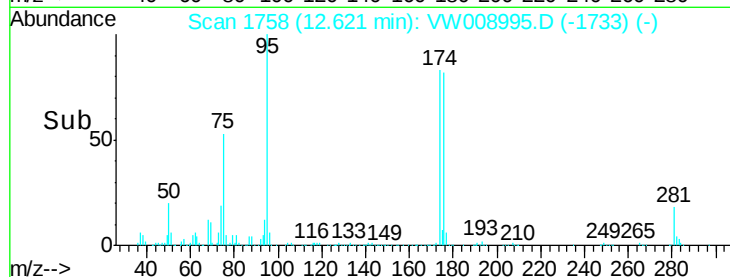
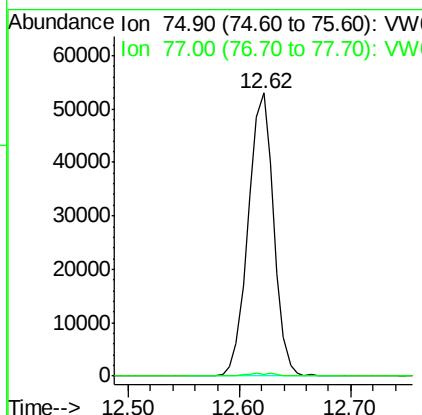
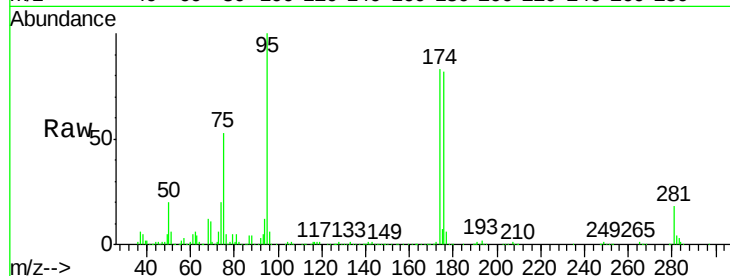




#76
 1,2,3-Trichloropropane
 Concen: 64.504 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008995.D
 Acq: 05 Mar 2019 14:34

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 84457
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 156.815 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW008995.D
 Acq: 05 Mar 2019 14:34

Tgt Ion: 75 Resp: 84457
 Ion Ratio Lower Upper
 75 100
 53 0.4 88.2 132.2#
 89 0.3 39.5 59.3#

