

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010919\
 Data File : VW008129.D
 Acq On : 10 Jan 2019 04:32
 Operator : SY/AP
 Sample : K1082-09RE
 Misc : 3.66G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-1-5

Quant Time: Jan 10 06:03:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

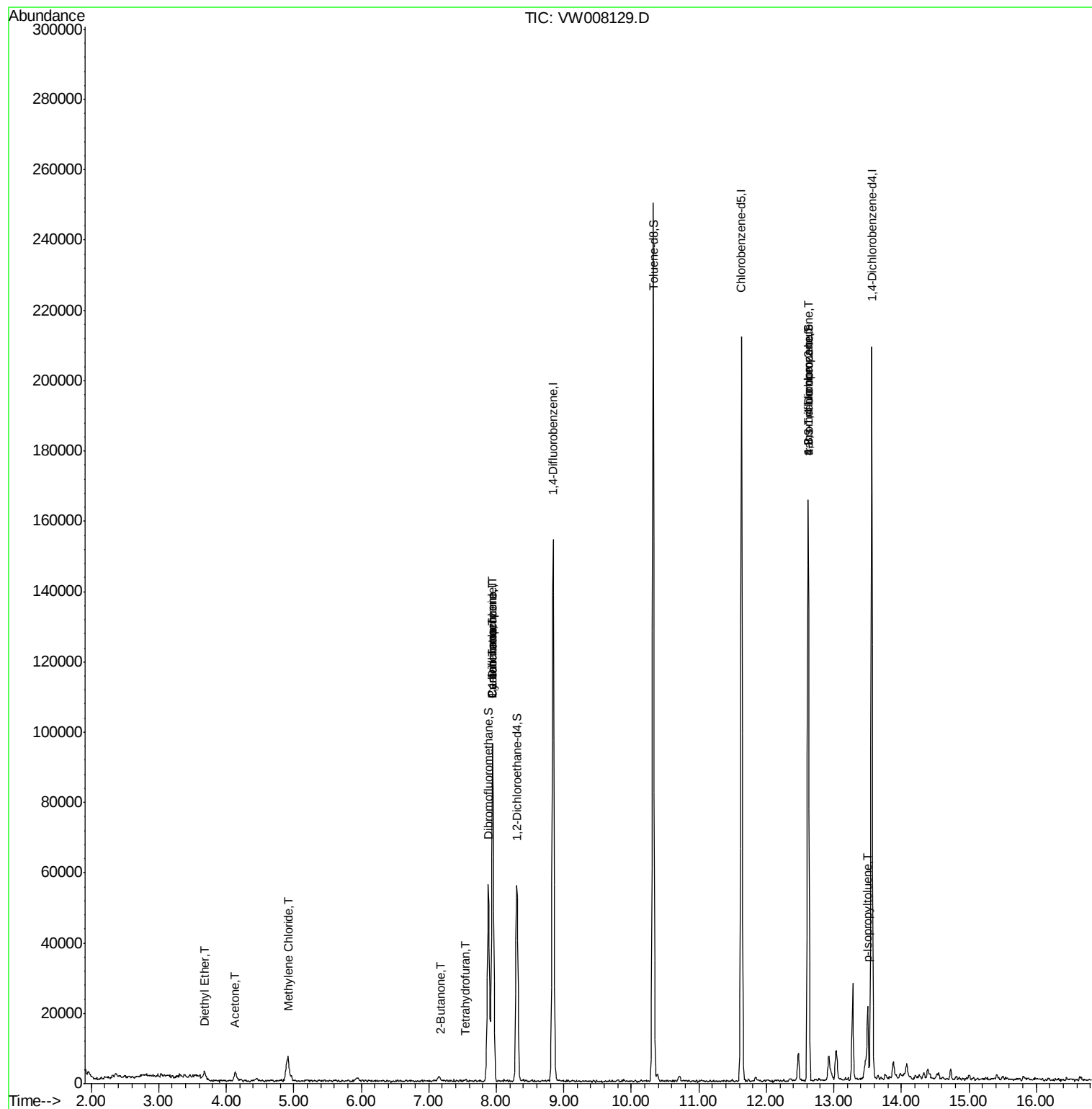
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	67215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	125425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	113740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	51231	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	43703	57.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.70%	
35) Dibromofluoromethane	7.88	113	39111	53.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.92%	
50) Toluene-d8	10.32	98	162085	52.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.60%	
62) 4-Bromofluorobenzene	12.62	95	52971	48.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.26%	
Target Compounds						
8) Diethyl Ether	3.68	74	1314	3.078	ug/l	98
11) Tert butyl alcohol	5.24	59	101	Below Cal	#	100
13) Acrolein	3.93	56	53	Below Cal	#	14
16) Acetone	4.13	43	4523	13.283	ug/l	92
20) Methylene Chloride	4.92	84	5137	2.322	ug/l #	92
25) 2-Butanone	7.18	43	300	1.427	ug/l #	49
29) Tetrahydrofuran	7.54	42	177	1.261	ug/l #	44
31) Cyclohexane	7.94	56	1703	1.071	ug/l #	4
36) 1,1-Dichloropropene	7.95	75	6087	4.711	ug/l #	49
38) Carbon Tetrachloride	7.95	117	7135	6.034	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	27271	58.393	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	27271	135.979	ug/l #	10
86) p-Isopropyltoluene	13.50	119	10093	2.729	ug/l	94

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

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SP-1-5

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Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008129.D

Acq: 10 Jan 2019 04:32

Instrument :

MSVOA_W

ClientSampleId :

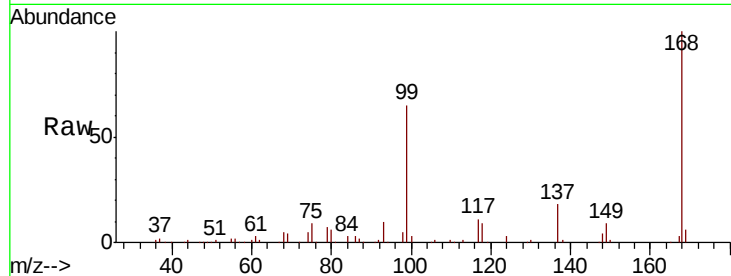
SP-1-5

Tgt Ion:168 Resp: 67215

Ion Ratio Lower Upper

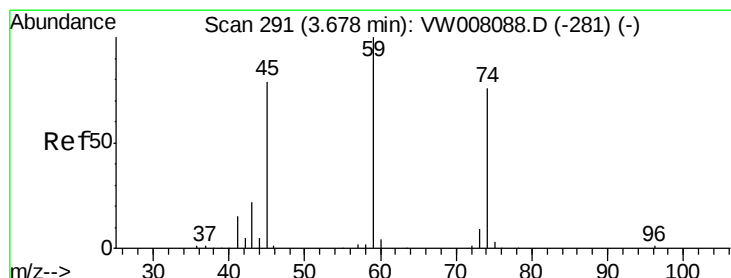
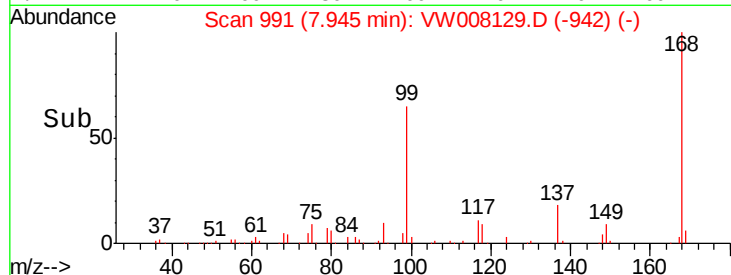
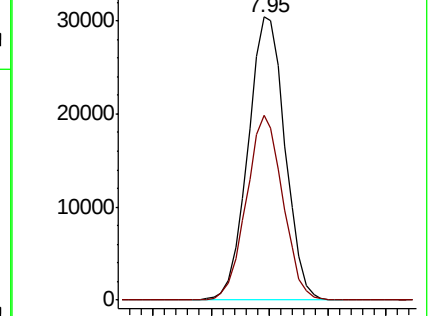
168 100

99 65.3 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 3.078 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW008129.D

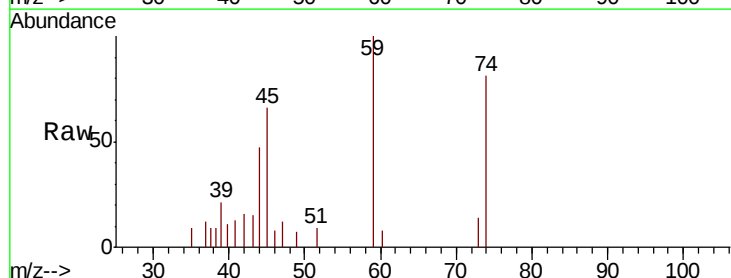
Acq: 10 Jan 2019 04:32

Tgt Ion: 74 Resp: 1314

Ion Ratio Lower Upper

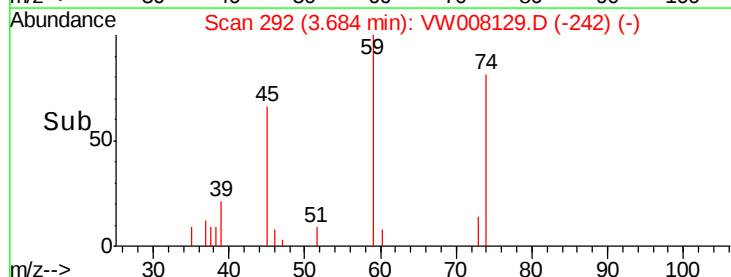
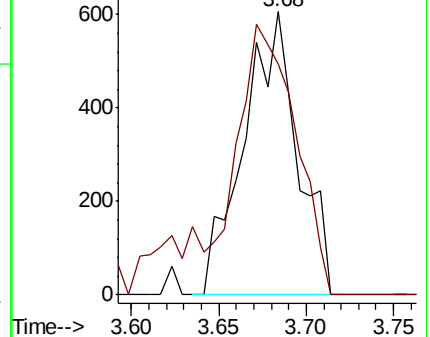
74 100

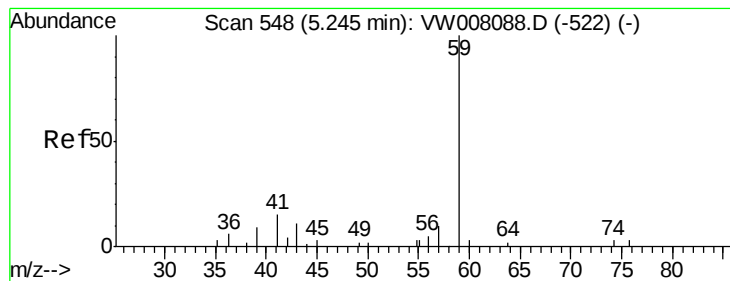
45 102.4 52.4 157.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



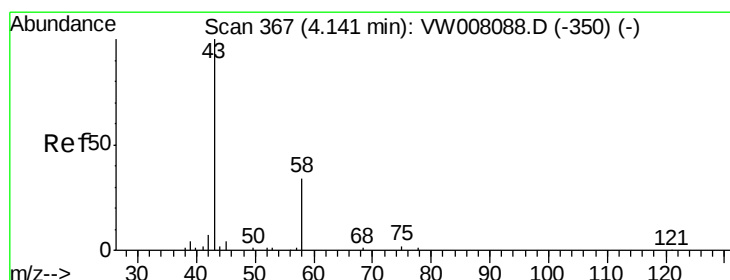
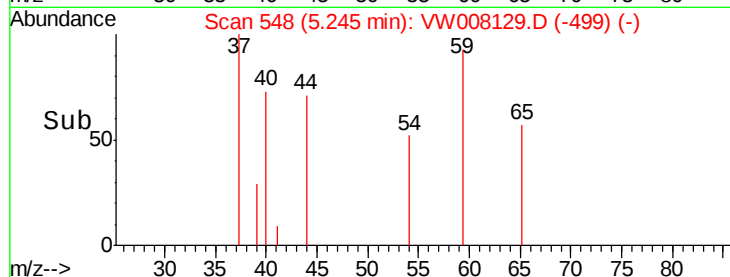
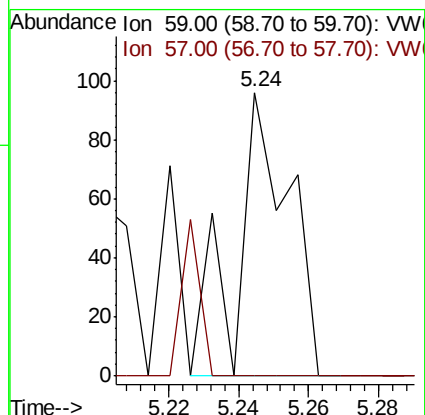
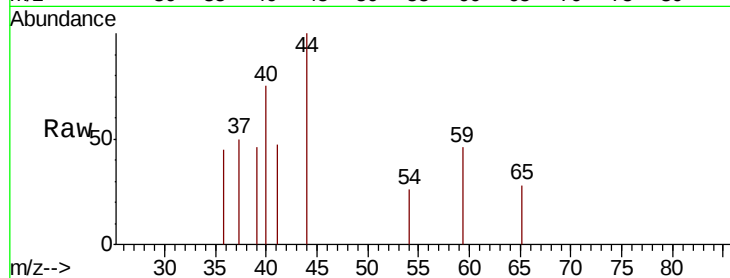


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.24 min Scan# 548
 Delta R.T. 0.00 min
 Lab File: VW008129.D
 Acq: 10 Jan 2019 04:32

Instrument :
 MSVOA_W
 ClientSampled :
 SP-1-5

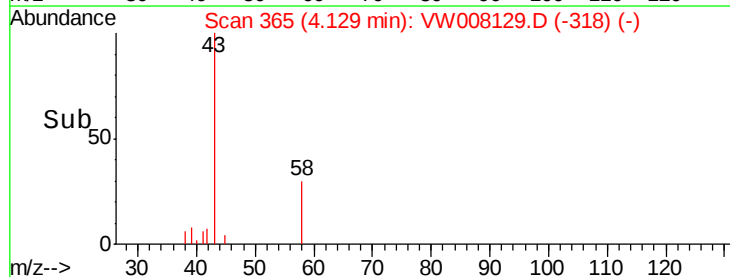
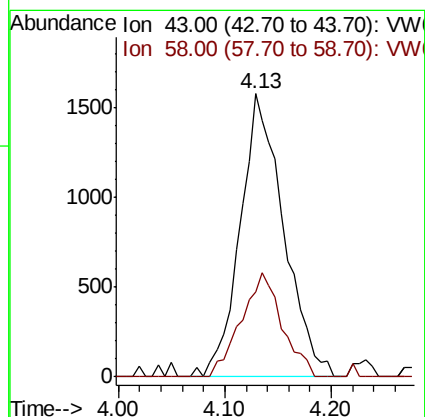
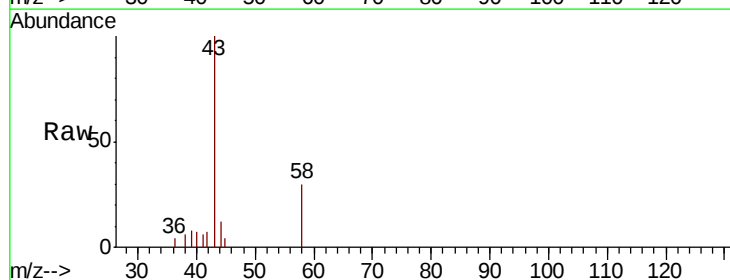
Tgt Ion: 59 Resp: 101
 Ion Ratio Lower Upper
 59 100
 57 0.0 0.0 0.0

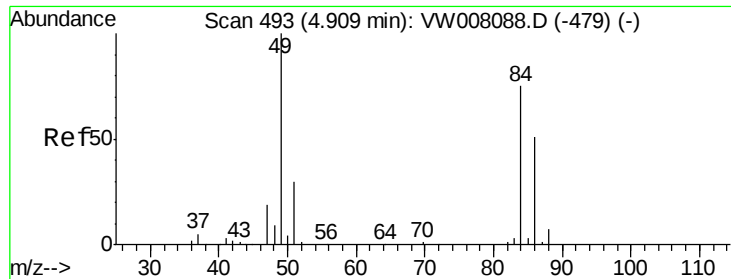


#16

Acetone
 Concen: 13.283 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VW008129.D
 Acq: 10 Jan 2019 04:32

Tgt Ion: 43 Resp: 4523
 Ion Ratio Lower Upper
 43 100
 58 30.1 27.5 41.3





#20

Methylene Chloride

Concen: 2.322 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW008129.D

Acq: 10 Jan 2019 04:32

Instrument :

MSVOA_W

ClientSampled :

SP-1-5

Tgt Ion: 84 Resp: 5137

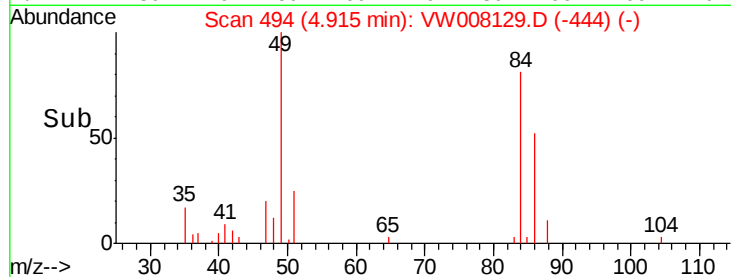
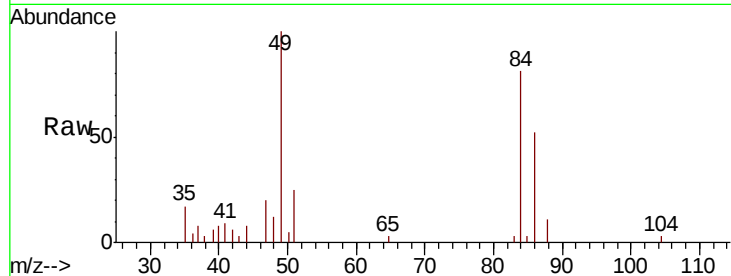
Ion Ratio Lower Upper

84 100

49 124.1 107.1 160.7

51 31.6 32.4 48.6#

86 64.7 54.2 81.4

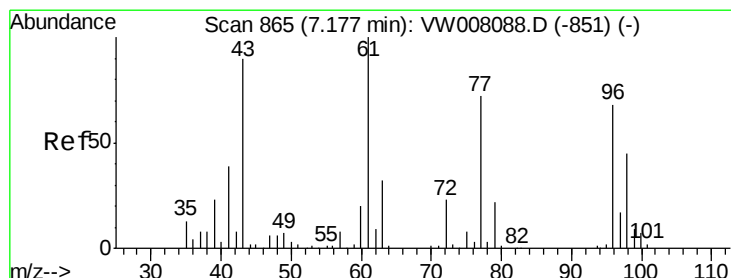
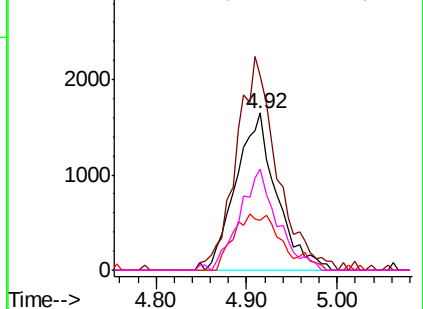


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.427 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW008129.D

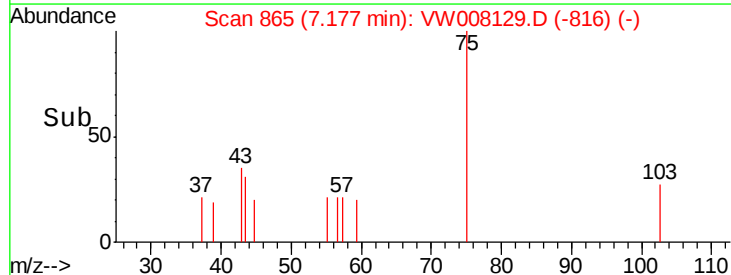
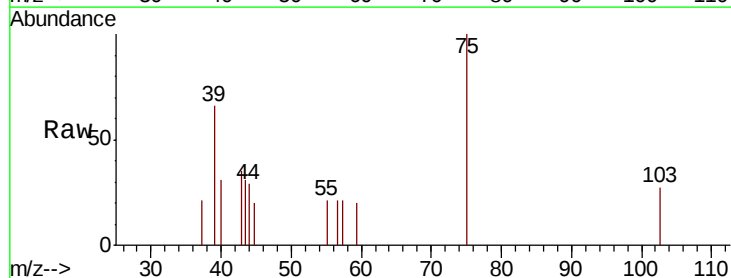
Acq: 10 Jan 2019 04:32

Tgt Ion: 43 Resp: 300

Ion Ratio Lower Upper

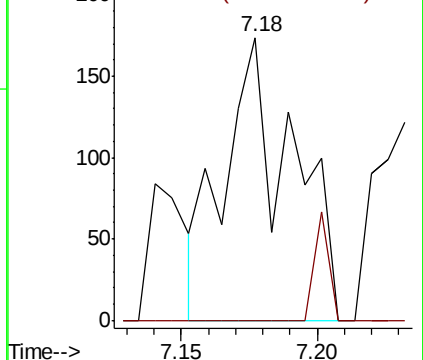
43 100

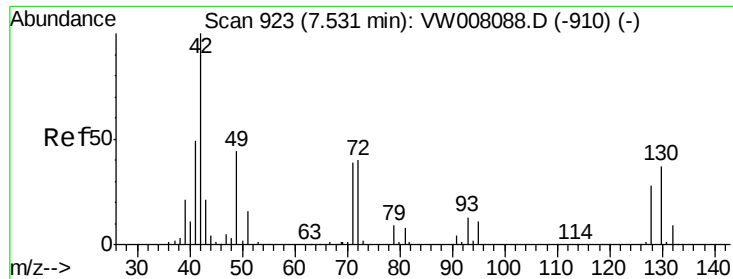
72 0.0 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

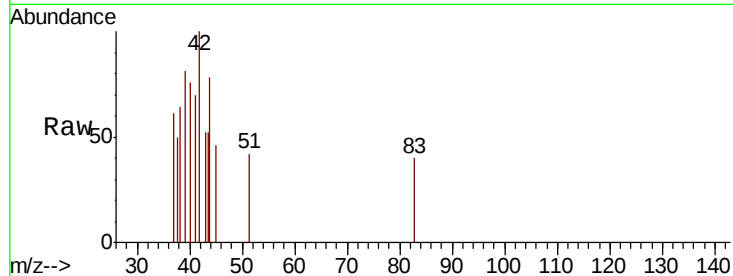




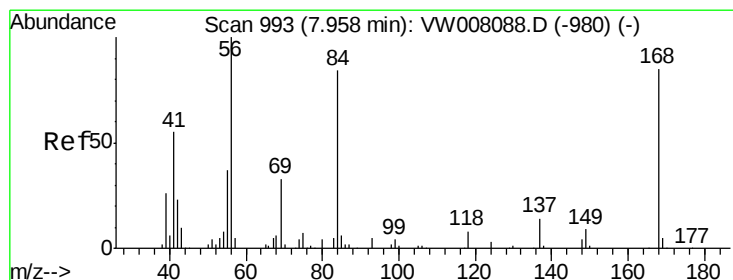
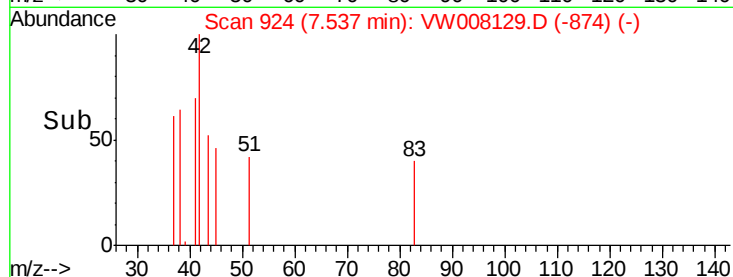
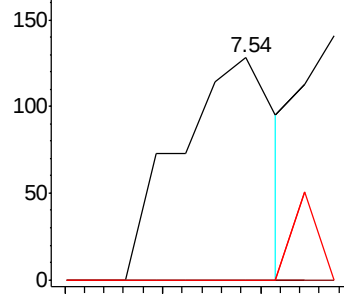
#29
Tetrahydrofuran
Concen: 1.261 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008129.D
Acq: 10 Jan 2019 04:32

Instrument :
MSVOA_W
ClientSampled :
SP-1-5

Tgt Ion: 42 Resp: 177
Ion Ratio Lower Upper
42 100
72 0.0 32.4 48.6#
71 10.7 31.3 46.9#

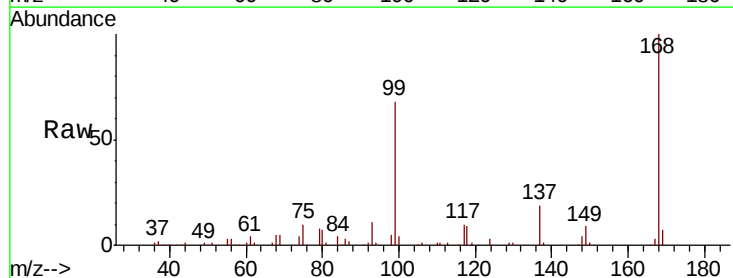


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

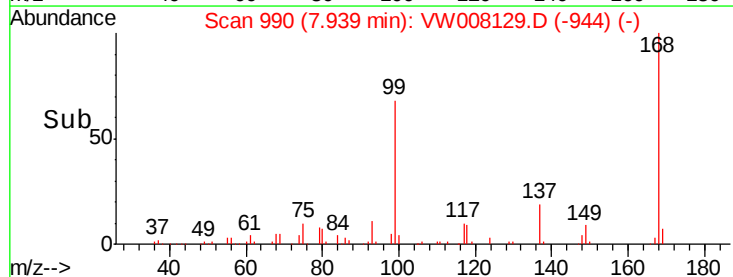
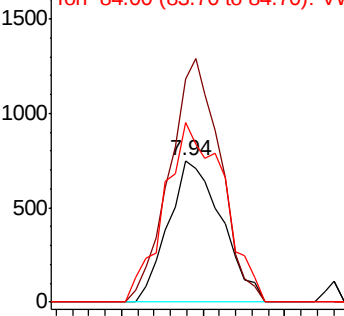


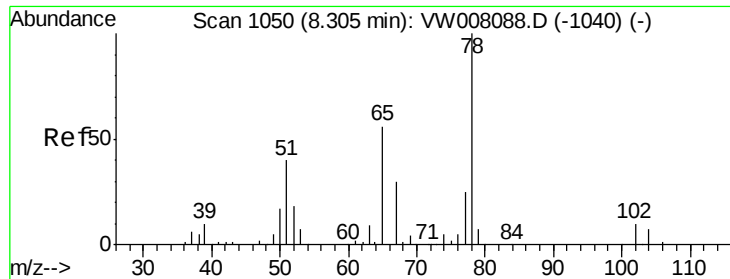
#31
Cyclohexane
Concen: 1.071 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW008129.D
Acq: 10 Jan 2019 04:32

Tgt Ion: 56 Resp: 1703
Ion Ratio Lower Upper
56 100
69 157.4 26.2 39.4#
84 127.2 67.4 101.2#



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

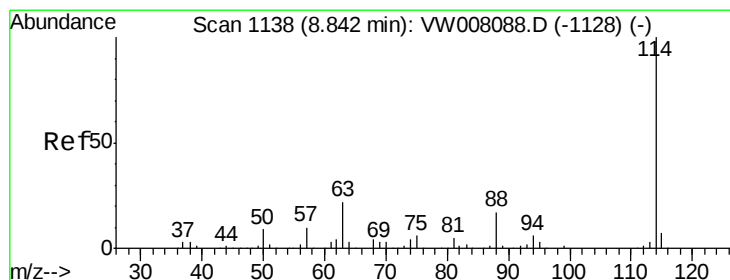
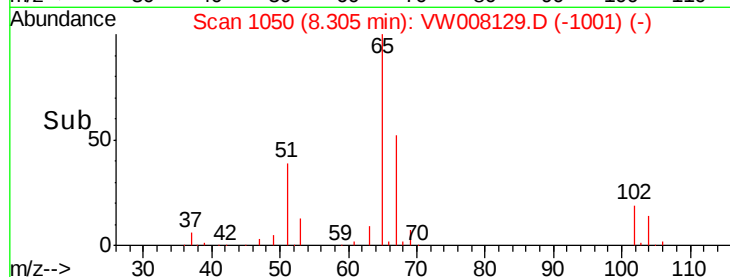
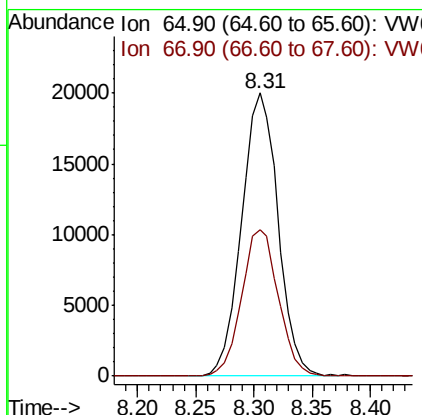
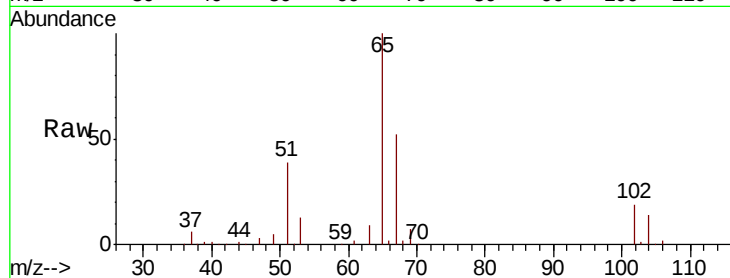




#33
 1,2-Dichloroethane-d4
 Concen: 57.851 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008129.D
 Acq: 10 Jan 2019 04:32

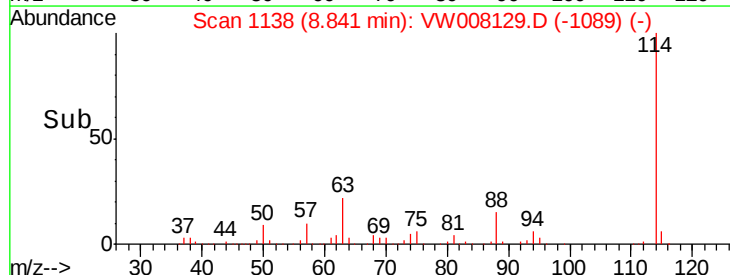
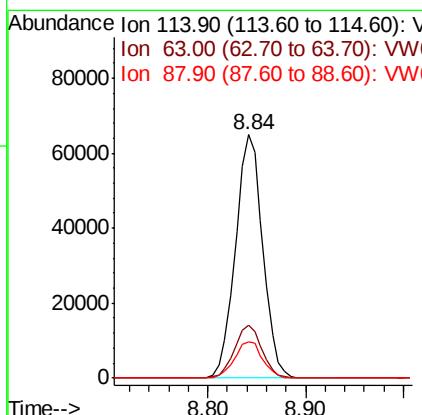
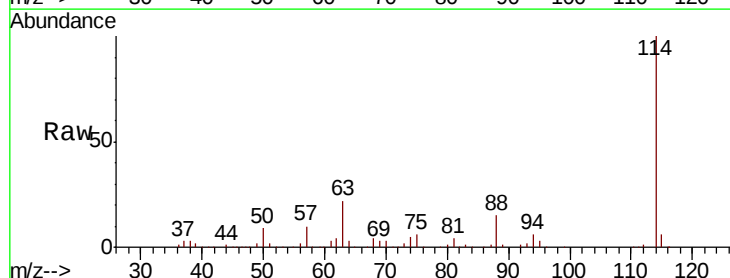
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 ClientSampleId :
 SP-1-5

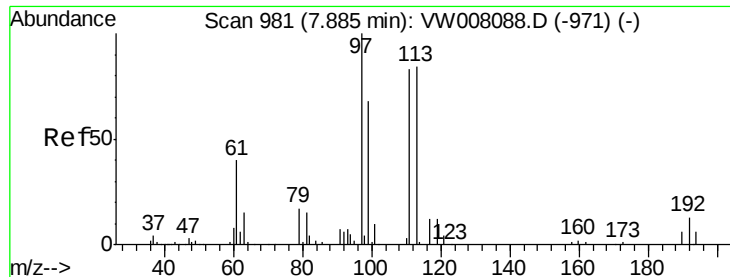
Tgt Ion: 65 Resp: 43703
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008129.D
 Acq: 10 Jan 2019 04:32

Tgt Ion: 114 Resp: 125425
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.4
 88 15.0 0.0 33.4

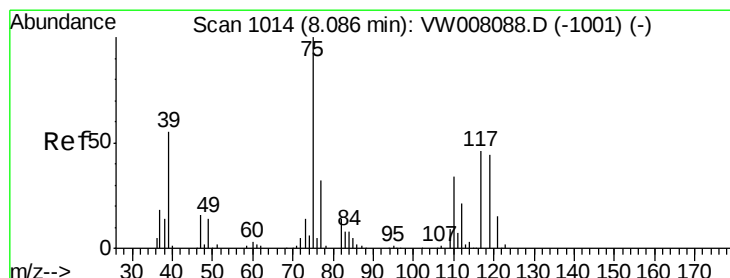
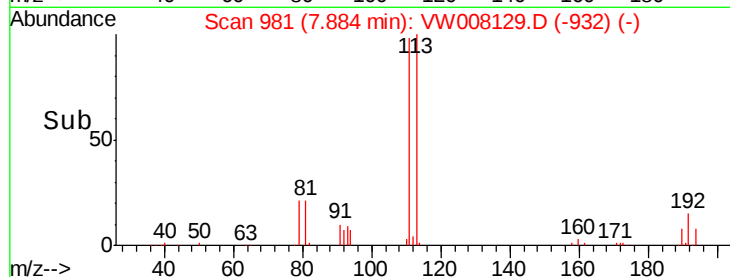
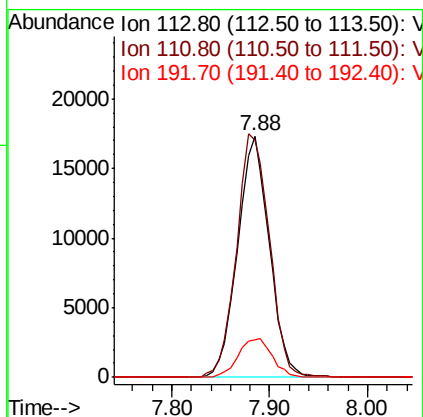
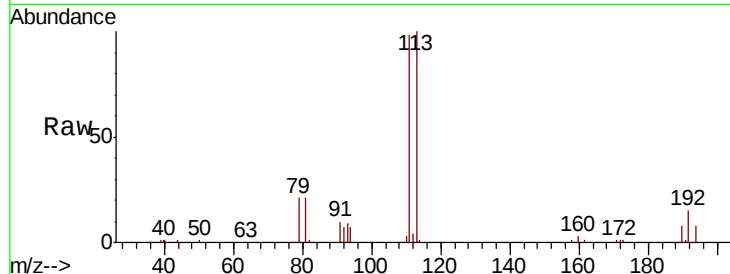




#35
 Dibromofluoromethane
 Concen: 53.465 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008129.D
 Acq: 10 Jan 2019 04:32

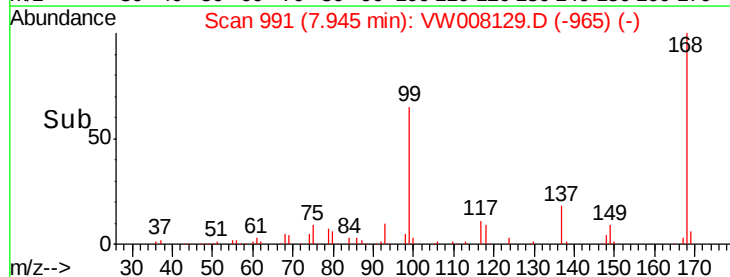
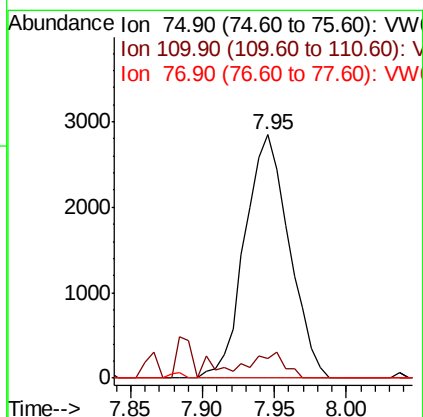
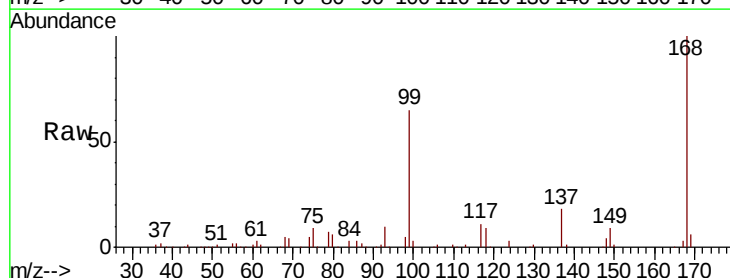
Instrument :
 MSVOA_W
 ClientSampleId :
 SP-1-5

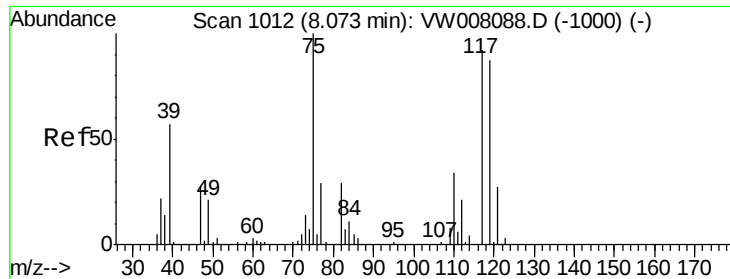
Tgt Ion:113 Resp: 39111
 Ion Ratio Lower Upper
 113 100
 111 104.6 81.8 122.8
 192 17.2 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.711 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008129.D
 Acq: 10 Jan 2019 04:32

Tgt Ion: 75 Resp: 6087
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.1 51.3#
 77 0.0 25.5 38.3#





#38

Carbon Tetrachloride

Concen: 6.034 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008129.D

Acq: 10 Jan 2019 04:32

Instrument :

MSVOA_W

ClientSampleId :

SP-1-5

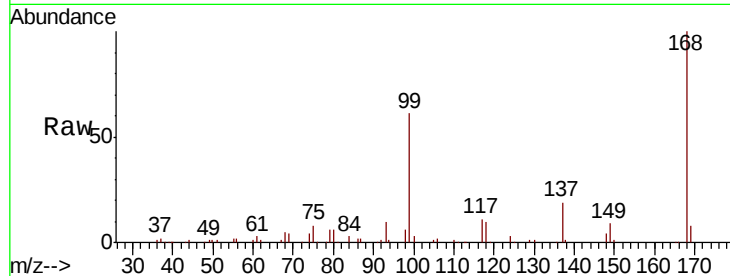
Tgt Ion:117 Resp: 7135

Ion Ratio Lower Upper

117 100

119 3.3 75.8 113.8#

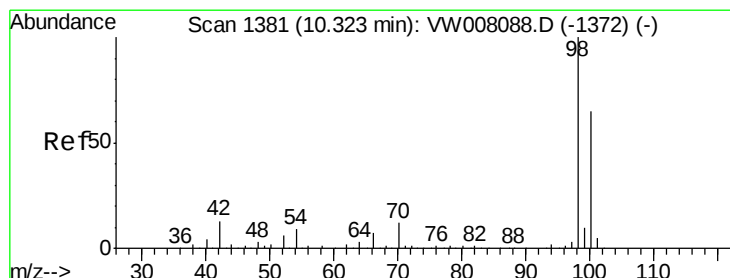
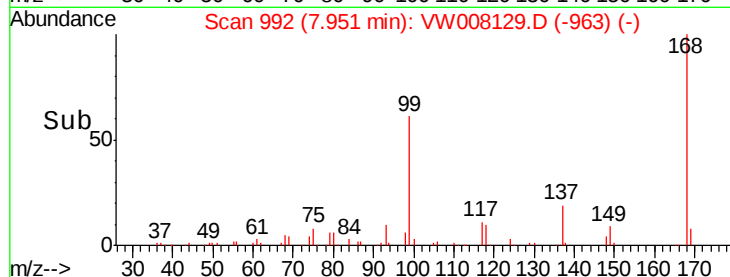
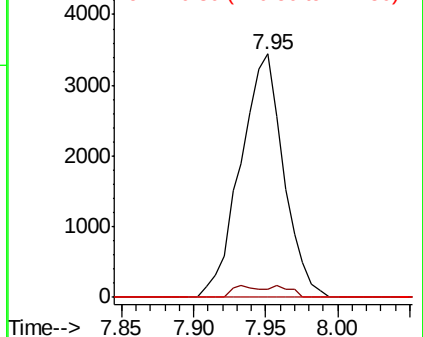
121 0.0 23.7 35.5#



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: 52.800 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008129.D

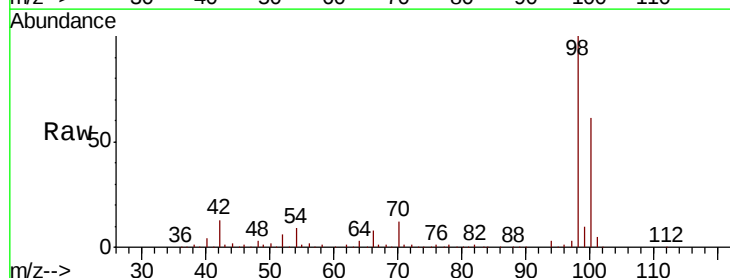
Acq: 10 Jan 2019 04:32

Tgt Ion: 98 Resp: 162085

Ion Ratio Lower Upper

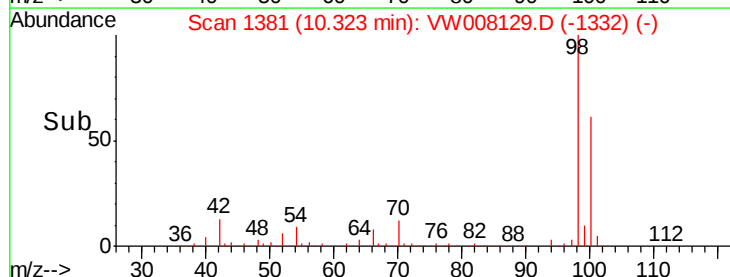
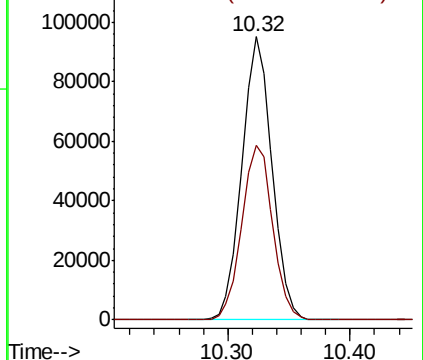
98 100

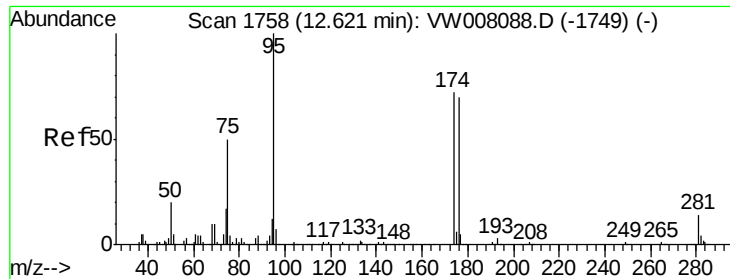
100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 48.133 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008129.D

Acq: 10 Jan 2019 04:32

Instrument :

MSVOA_W

ClientSampleId :

SP-1-5

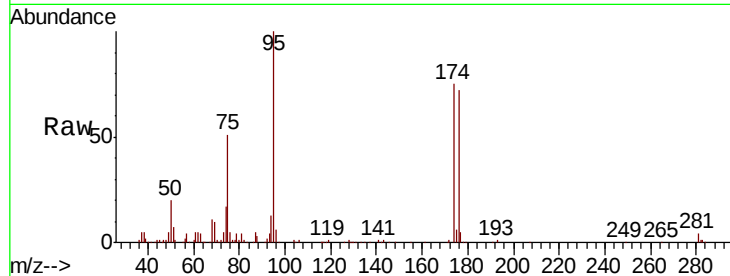
Tgt Ion: 95 Resp: 52971

Ion Ratio Lower Upper

95 100

174 72.9 0.0 143.0

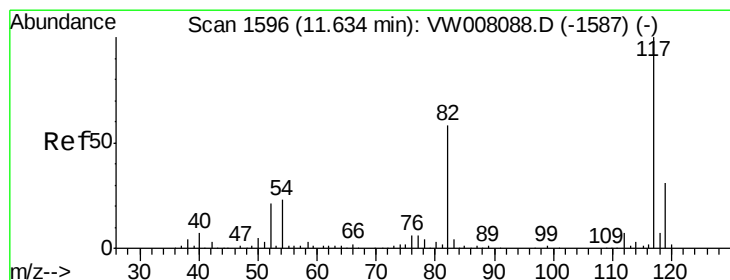
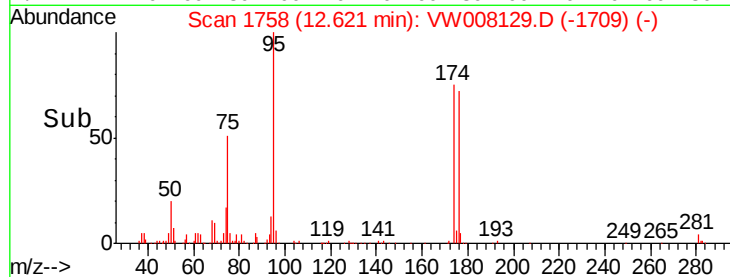
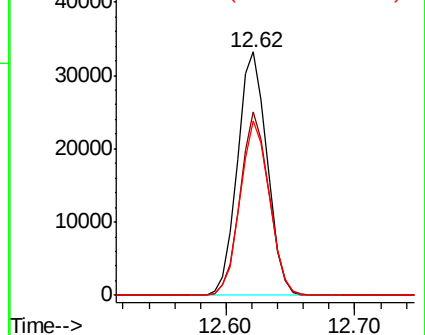
176 70.7 0.0 140.2



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. -0.00 min

Lab File: VW008129.D

Acq: 10 Jan 2019 04:32

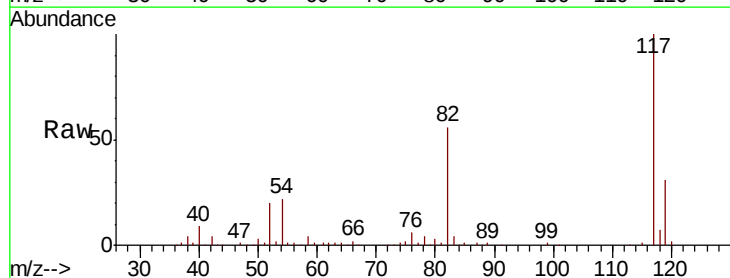
Tgt Ion: 117 Resp: 113740

Ion Ratio Lower Upper

117 100

82 55.8 46.4 69.6

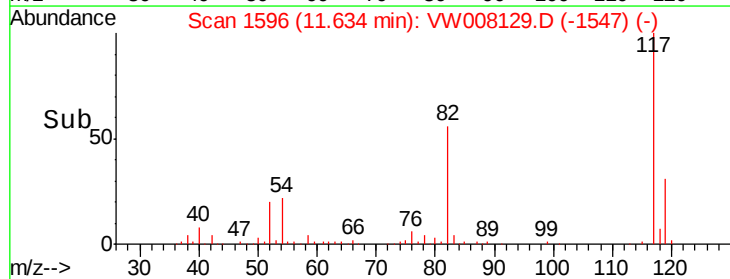
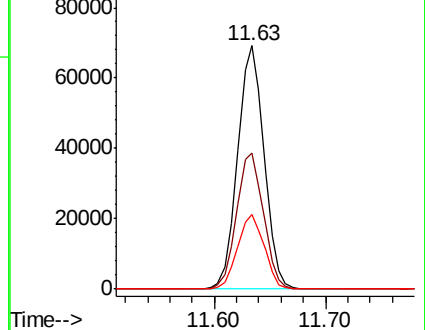
119 30.7 24.7 37.1

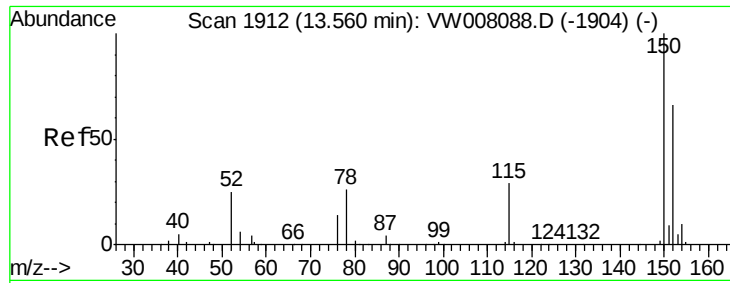


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008129.D

Acq: 10 Jan 2019 04:32

Instrument :

MSVOA_W

ClientSampleId :

SP-1-5

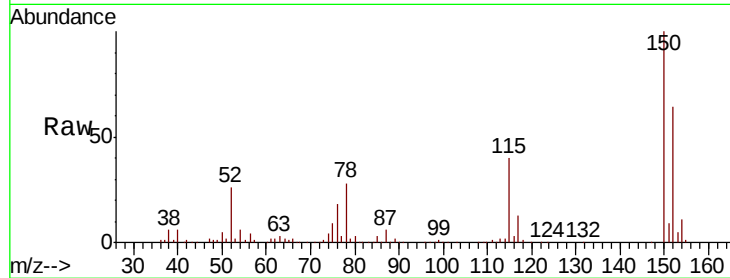
Tgt Ion:152 Resp: 51231

Ion Ratio Lower Upper

152 100

115 61.5 30.8 92.4

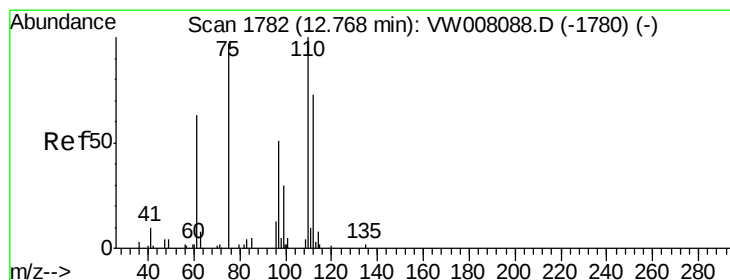
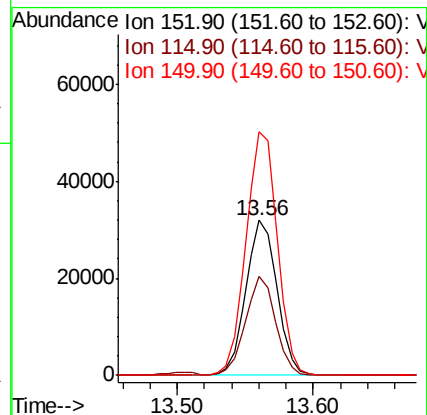
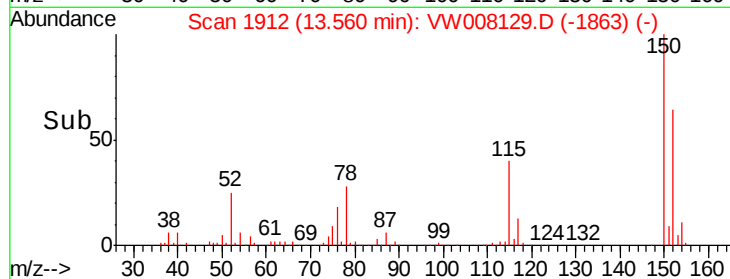
150 158.0 0.0 350.2



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: 58.393 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008129.D

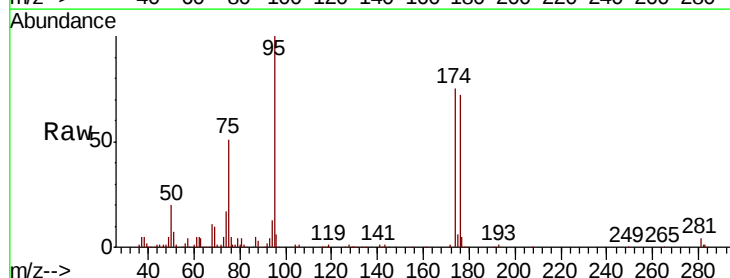
Acq: 10 Jan 2019 04:32

Tgt Ion: 75 Resp: 27271

Ion Ratio Lower Upper

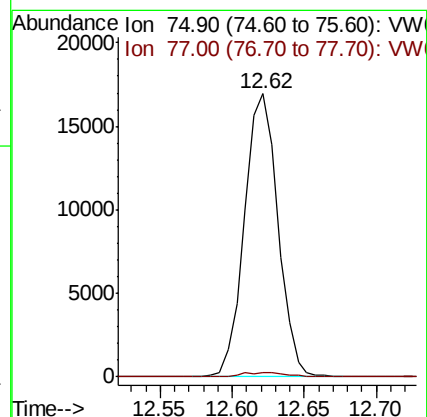
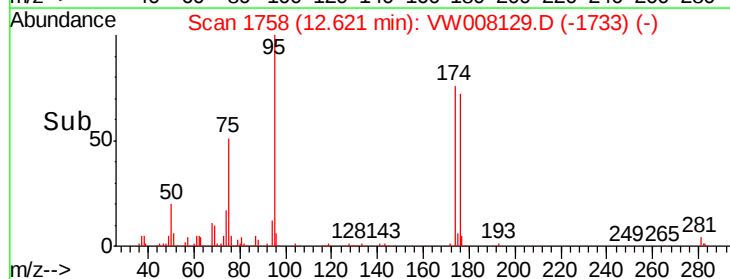
75 100

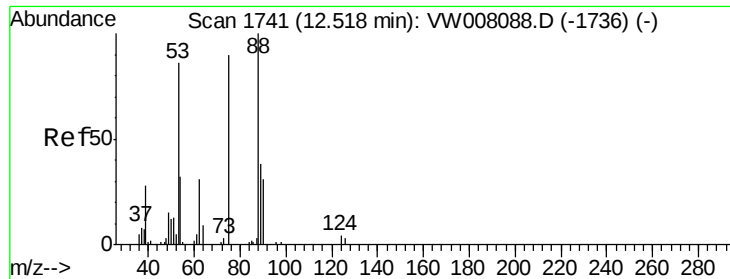
77 1.8 179.4 538.2#



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: 135.979 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008129.D

Acq: 10 Jan 2019 04:32

Instrument :

MSVOA_W

ClientSampleId :

SP-1-5

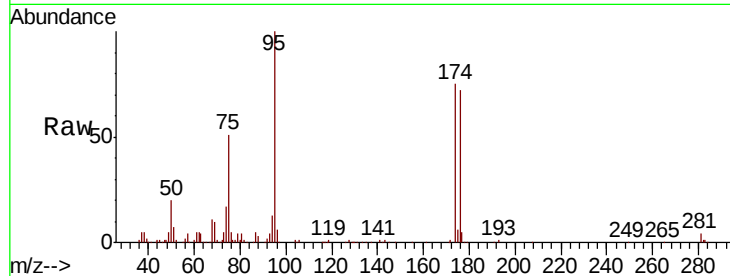
Tgt Ion: 75 Resp: 27271

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

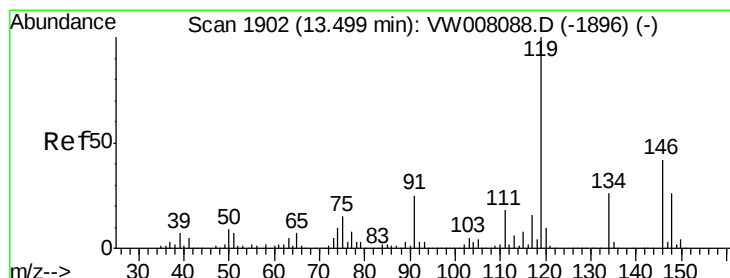
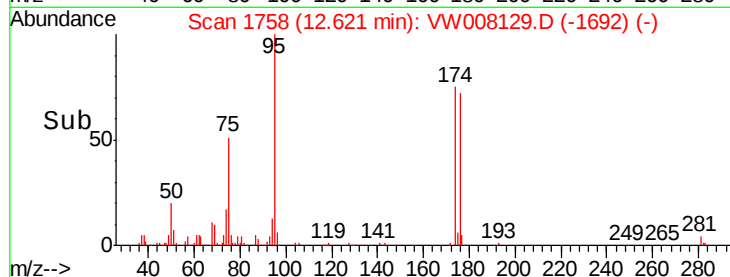
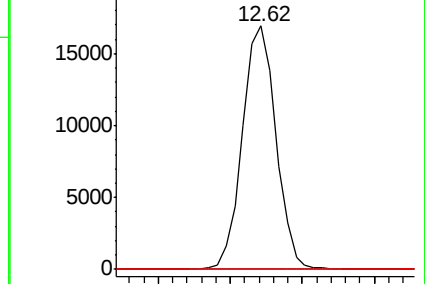
89 0.0 35.4 53.2#



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



#86

p-Isopropyltoluene

Concen: 2.729 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008129.D

Acq: 10 Jan 2019 04:32

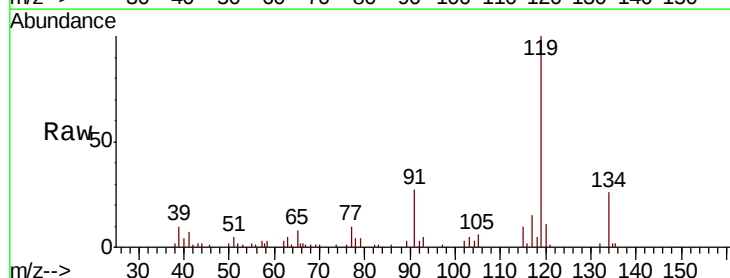
Tgt Ion: 119 Resp: 10093

Ion Ratio Lower Upper

119 100

134 28.8 13.3 39.8

91 28.4 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VW

