

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101618\
 Data File : VW006091.D
 Acq On : 16 Oct 2018 20:36
 Operator : VA/AP
 Sample : J5526-19
 Misc : 6.98G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-4A-G-101518-4

Quant Time: Oct 17 01:22:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	64431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	91385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	73367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	29631	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	26701	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
35) Dibromofluoromethane	7.89	113	24915	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
50) Toluene-d8	10.33	98	89648	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	
62) 4-Bromofluorobenzene	12.62	95	27618	35.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.58%	

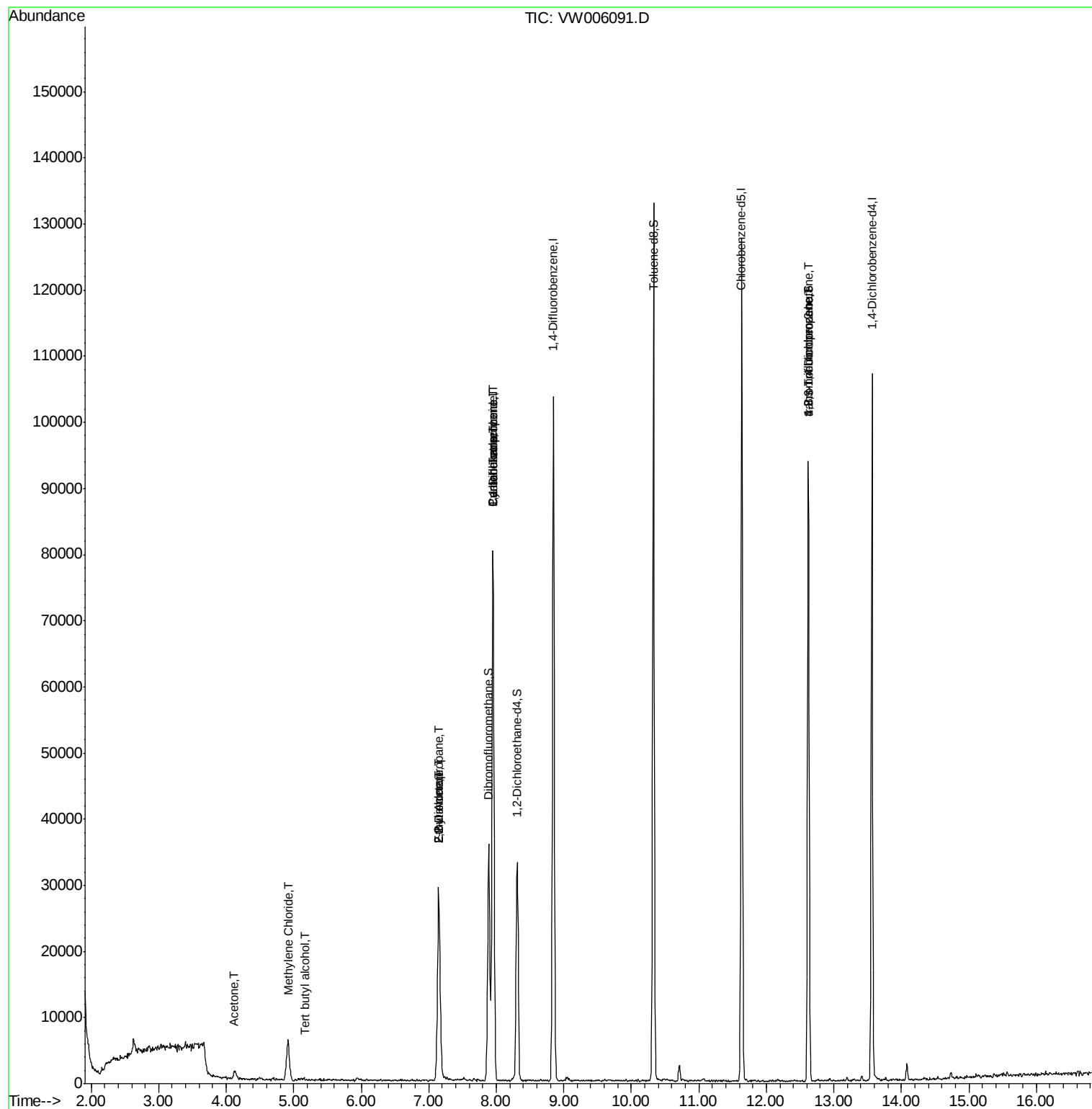
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	113	3.145	ug/l #	71
16) Acetone	4.12	43	2237	7.991	ug/l	97
20) Methylene Chloride	4.92	84	4571	6.677	ug/l	96
25) 2-Butanone	7.15	43	1624	11.254	ug/l #	77
26) 2,2-Dichloropropane	7.15	77	2004	2.895	ug/l #	51
31) Cyclohexane	7.95	56	1291	1.321	ug/l #	27
36) 1,1-Dichloropropene	7.95	75	4471	5.308	ug/l #	49
37) Ethyl Acetate	7.15	43	1624	5.189	ug/l #	1
38) Carbon Tetrachloride	7.95	117	5716	6.190	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	13887	61.359	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	13887	146.673	ug/l #	10

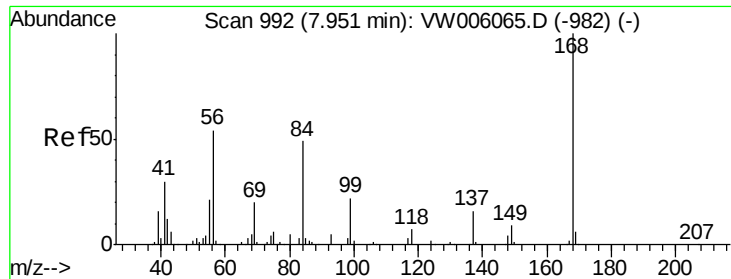
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 16 05:36:33 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006091.D

Acq: 16 Oct 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

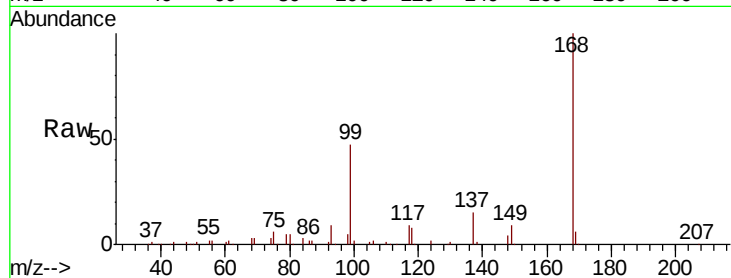
SUP-4A-G-101518-4

Tgt Ion: 168 Resp: 64431

Ion Ratio Lower Upper

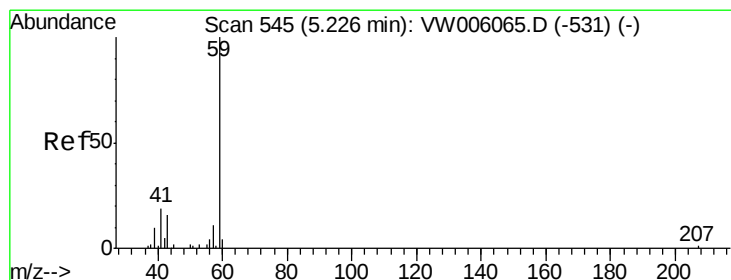
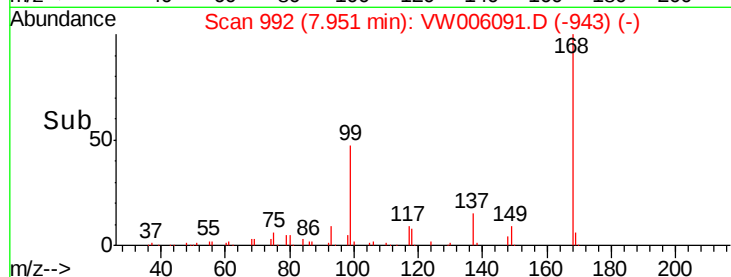
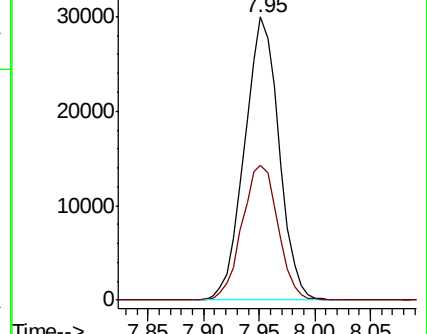
168 100

99 47.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.145 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.06 min

Lab File: VW006091.D

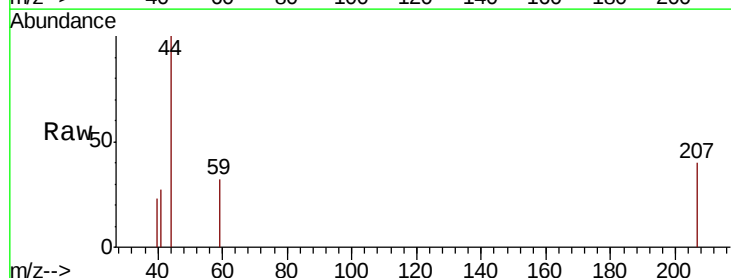
Acq: 16 Oct 2018 20:36

Tgt Ion: 59 Resp: 113

Ion Ratio Lower Upper

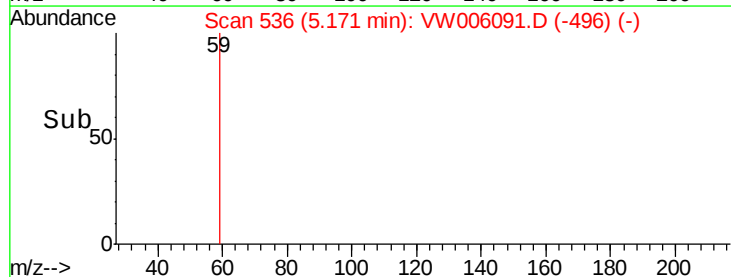
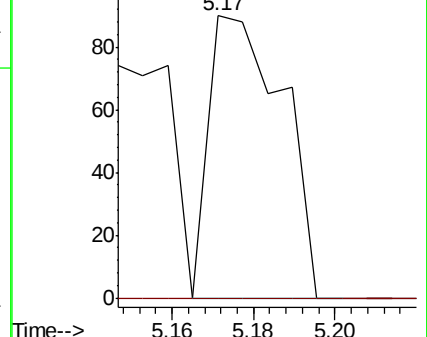
59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 7.991 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW006091.D

Acq: 16 Oct 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

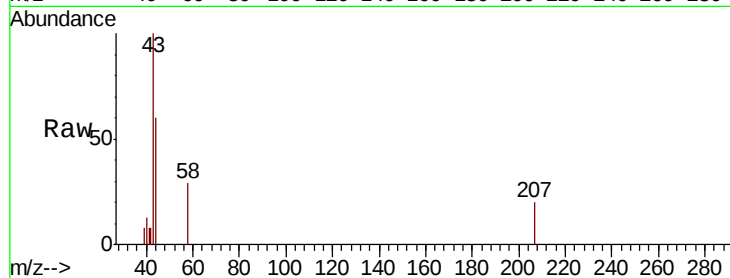
SUP-4A-G-101518-4

Tgt Ion: 43 Resp: 2237

Ion Ratio Lower Upper

43 100

58 28.6 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

800

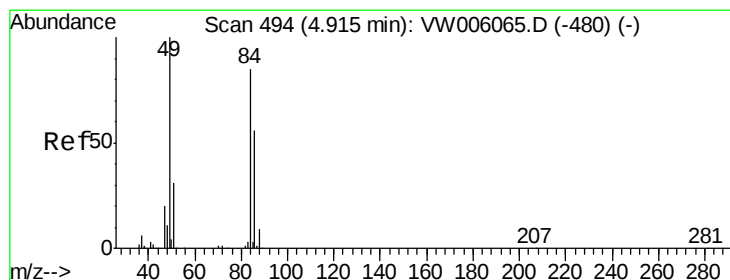
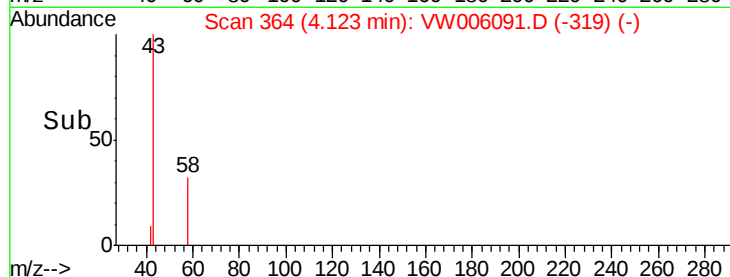
600

400

200

0

Time--> 4.00 4.05 4.10 4.15 4.20



#20

Methylene Chloride

Concen: 6.677 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006091.D

Acq: 16 Oct 2018 20:36

Tgt Ion: 84 Resp: 4571

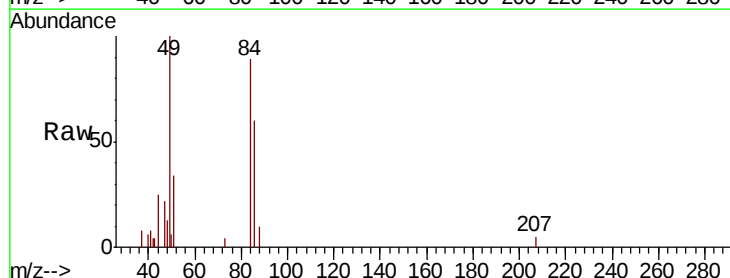
Ion Ratio Lower Upper

84 100

49 111.8 93.6 140.4

51 38.4 29.0 43.4

86 66.7 52.6 79.0



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

2500

2000

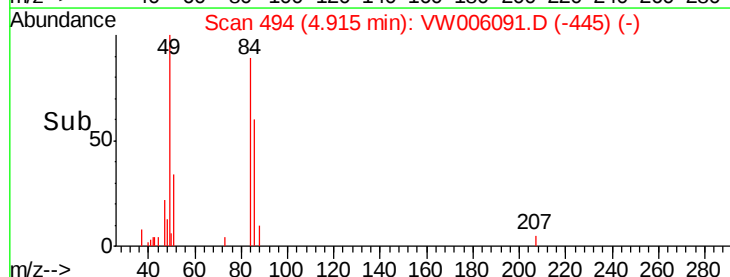
1500

1000

500

0

Time--> 4.80 4.85 4.90 4.95 5.00





#25

2-Butanone

Concen: 11.254 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.04 min

Lab File: VW006091.D

Acq: 16 Oct 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

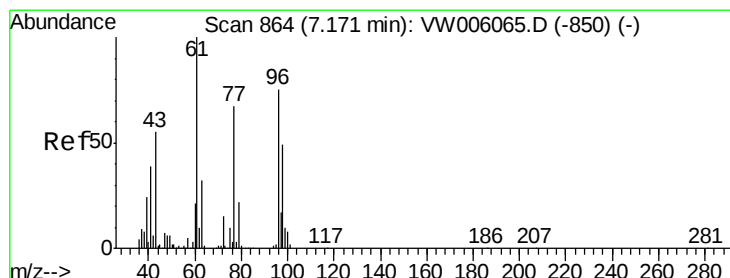
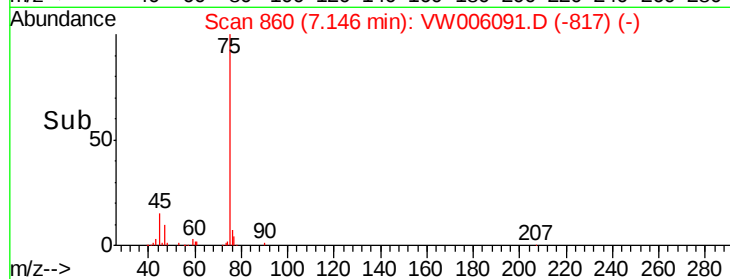
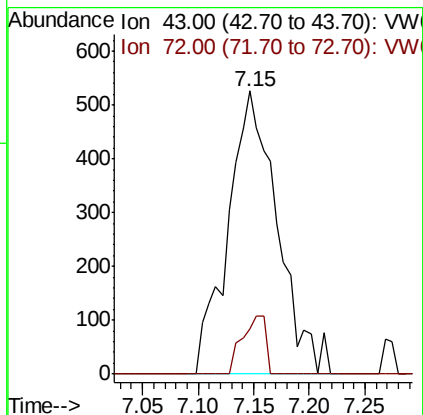
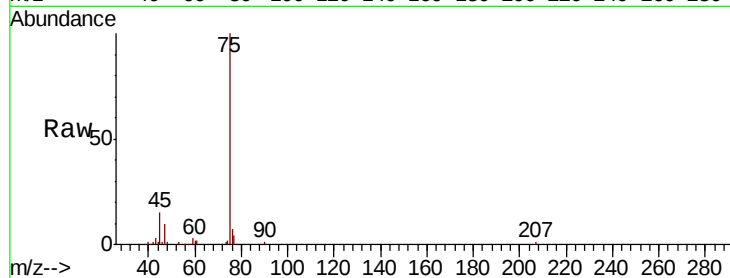
SUP-4A-G-101518-4

Tgt Ion: 43 Resp: 1624

Ion Ratio Lower Upper

43 100

72 16.2 22.8 34.2#



#26

2,2-Dichloropropane

Concen: 2.895 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW006091.D

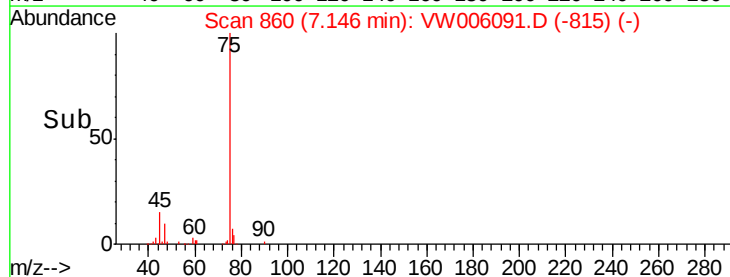
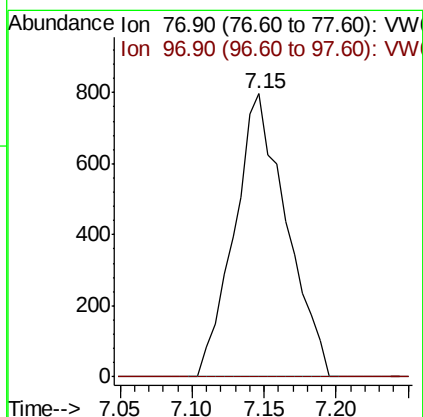
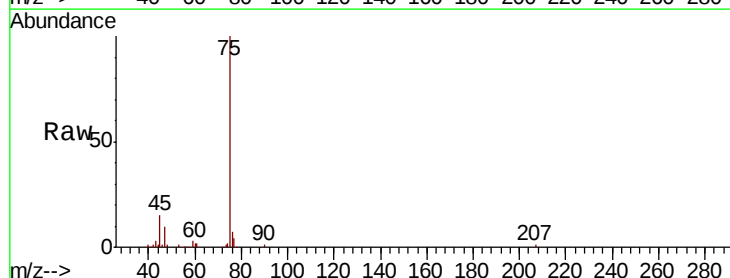
Acq: 16 Oct 2018 20:36

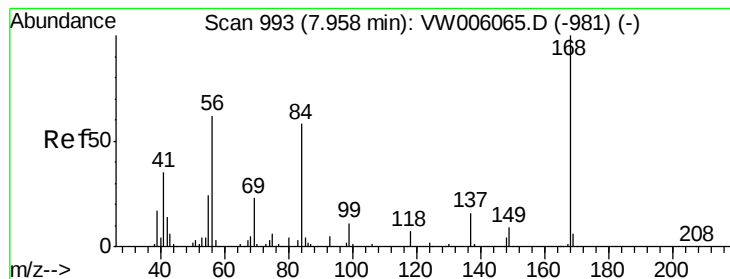
Tgt Ion: 77 Resp: 2004

Ion Ratio Lower Upper

77 100

97 0.0 12.2 36.4#





#31

Cyclohexane

Concen: 1.321 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006091.D

Acq: 16 Oct 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

SUP-4A-G-101518-4

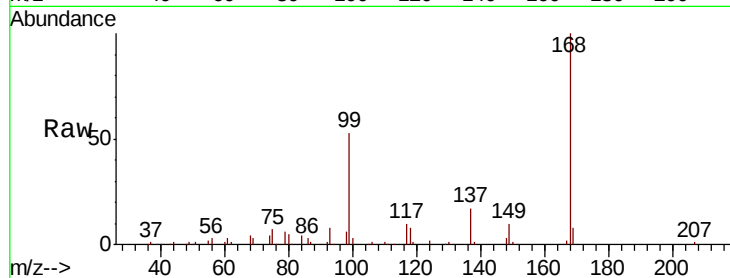
Tgt Ion: 56 Resp: 1291

Ion Ratio Lower Upper

56 100

69 117.4 29.4 44.0#

84 138.1 74.0 111.0#

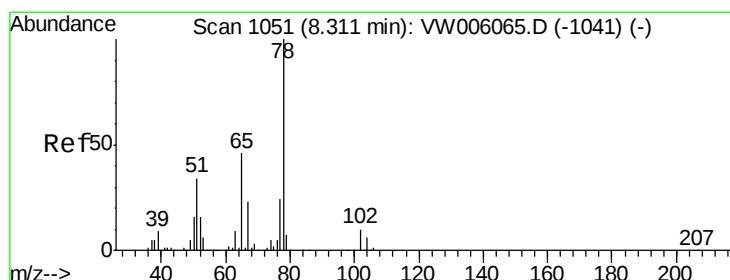
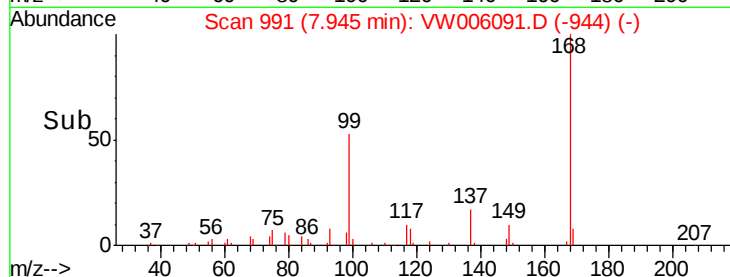
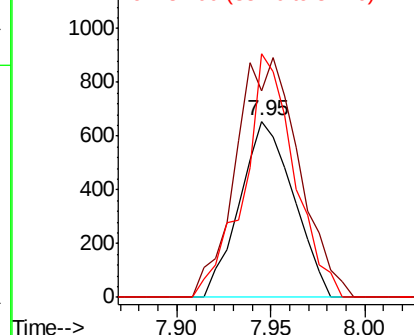


Abundance

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: 49.986 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006091.D

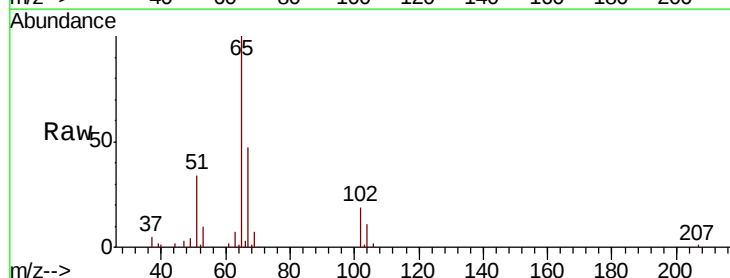
Acq: 16 Oct 2018 20:36

Tgt Ion: 65 Resp: 26701

Ion Ratio Lower Upper

65 100

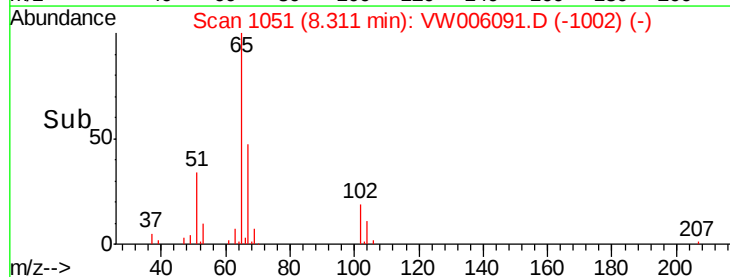
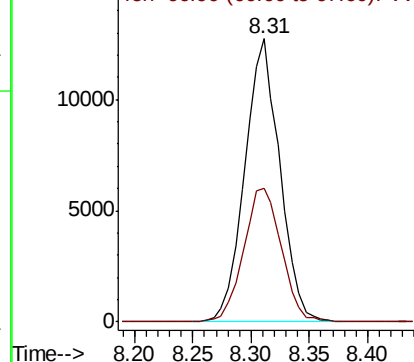
67 50.9 0.0 101.0

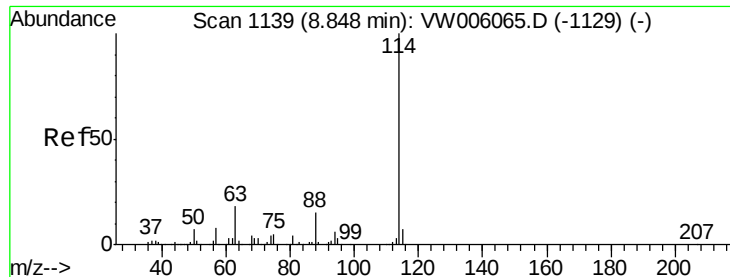


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

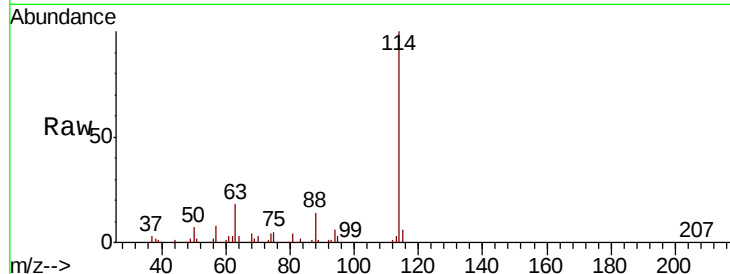




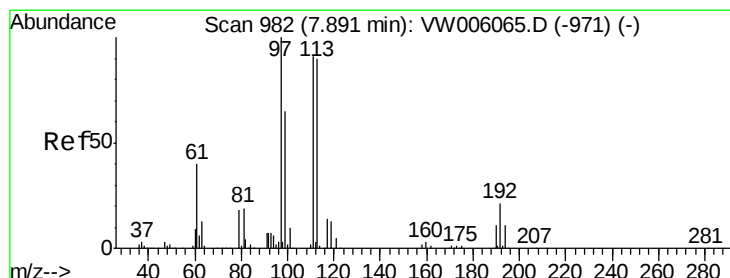
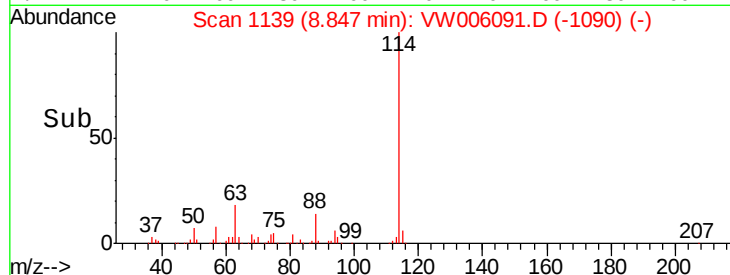
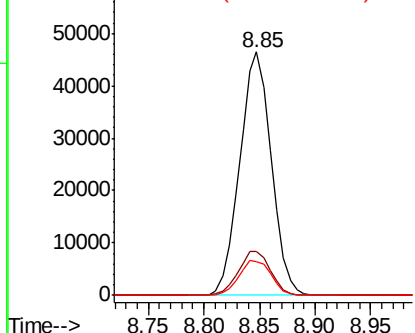
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006091.D
 Acq: 16 Oct 2018 20:36

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-4A-G-101518-4

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	36.8
88	13.8	0.0	29.0

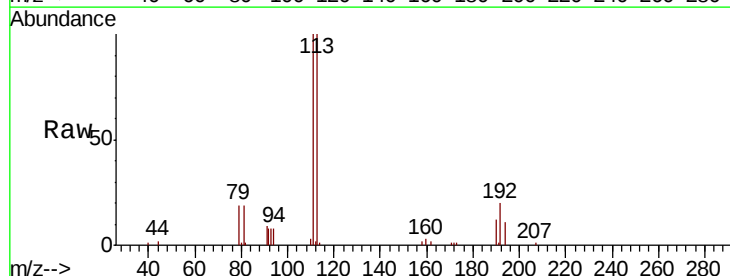


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

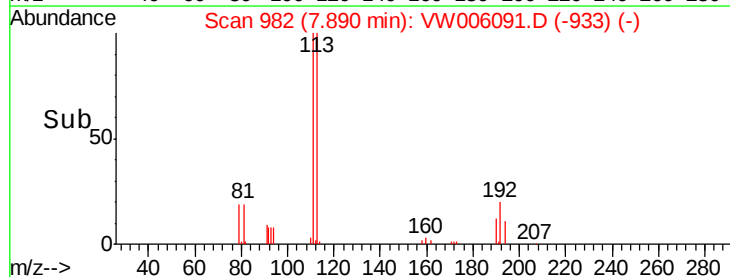
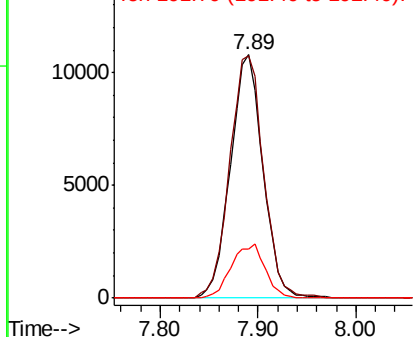


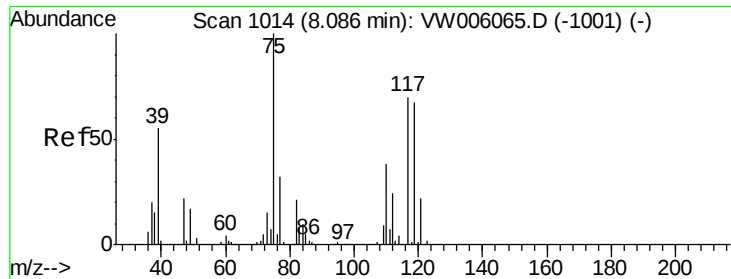
#35
 Dibromofluoromethane
 Concen: 46.140 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW006091.D
 Acq: 16 Oct 2018 20:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.4	122.0
192	22.8	18.7	28.1



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

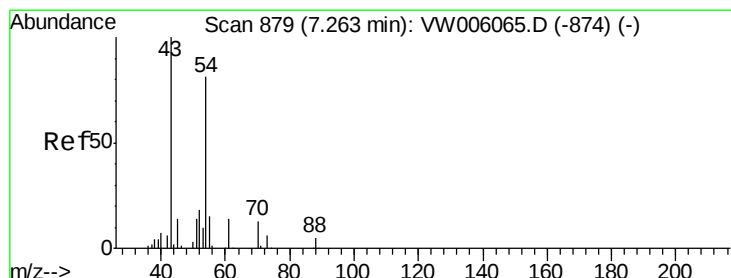
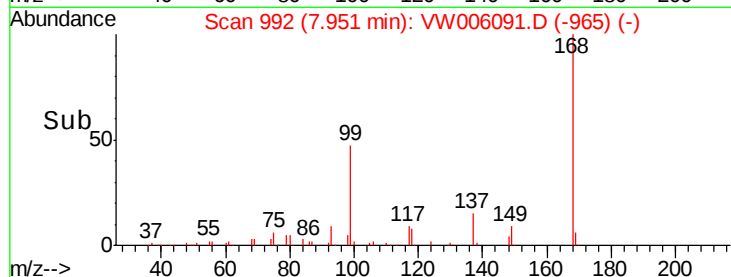
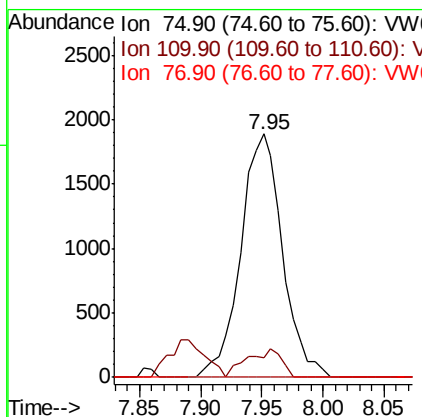
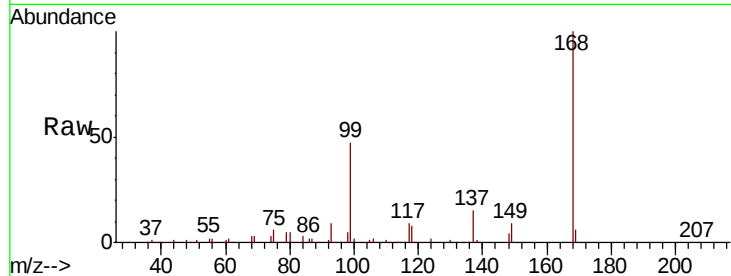




#36
 1,1-Dichloropropene
 Concen: 5.308 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006091.D
 Acq: 16 Oct 2018 20:36

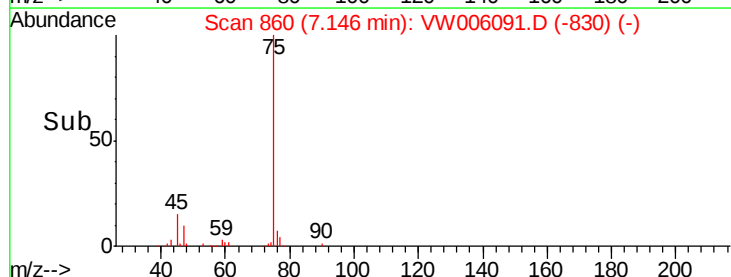
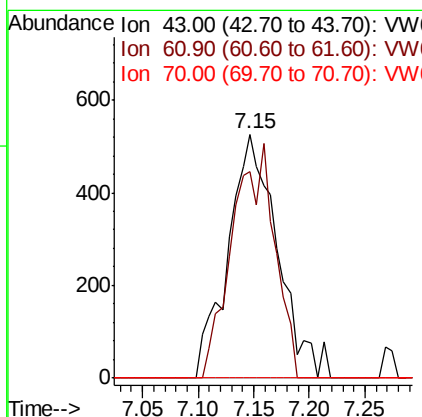
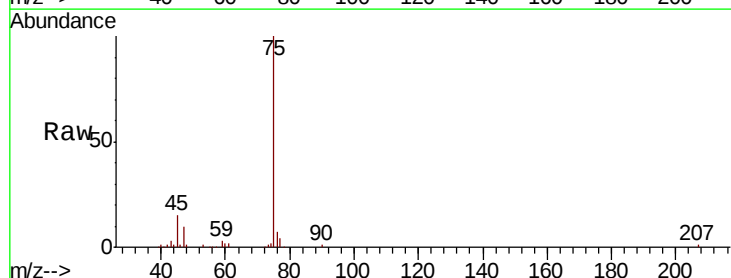
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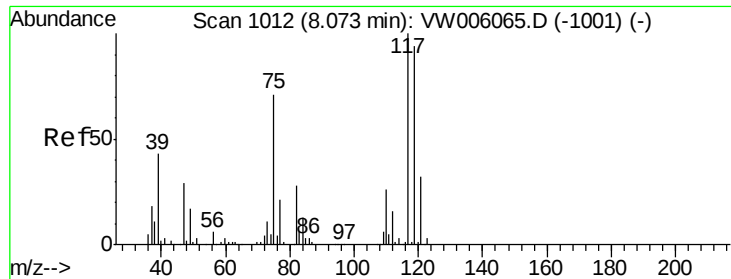
Tgt Ion: 75 Resp: 4471
 Ion Ratio Lower Upper
 75 100
 110 9.6 19.1 57.1#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 5.189 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.12 min
 Lab File: VW006091.D
 Acq: 16 Oct 2018 20:36

Tgt Ion: 43 Resp: 1624
 Ion Ratio Lower Upper
 43 100
 61 82.2 11.5 17.3#
 70 0.0 9.2 13.8#

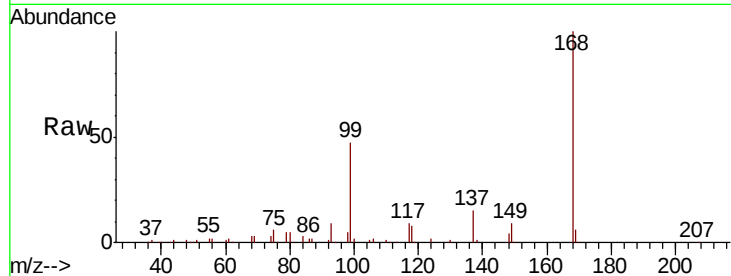




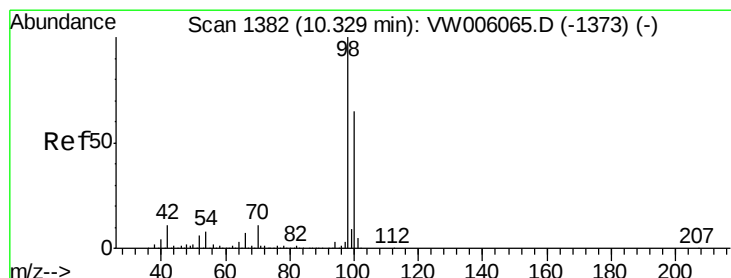
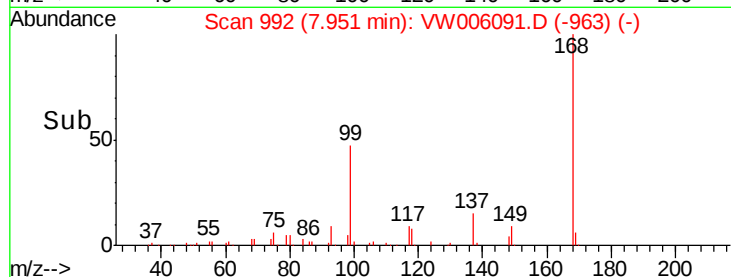
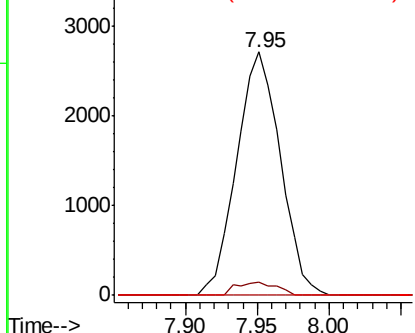
#38
Carbon Tetrachloride
Concen: 6.190 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006091.D
Acq: 16 Oct 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :
SUP-4A-G-101518-4

Tgt Ion: 117 Resp: 5716
Ion Ratio Lower Upper
117 100
119 5.3 75.2 112.8#
121 0.0 25.3 37.9#

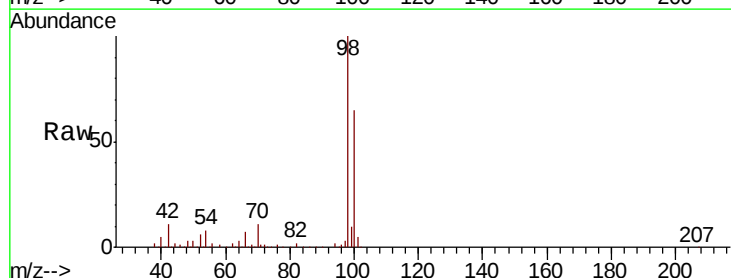


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

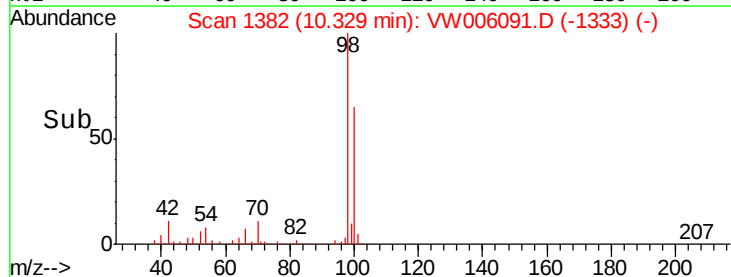
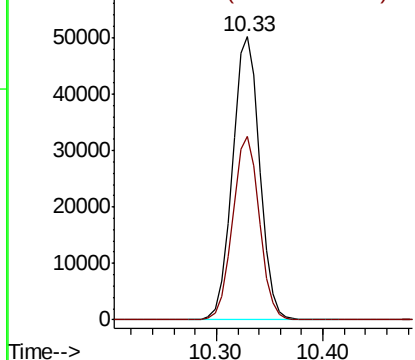


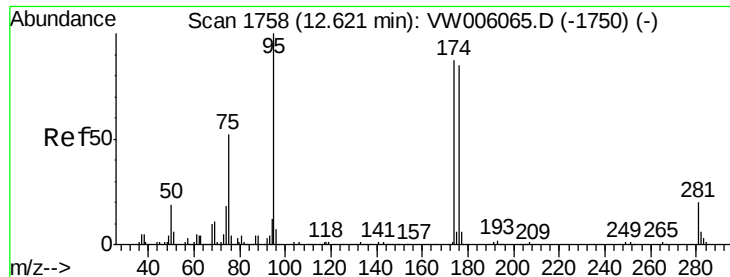
#50
Toluene-d8
Concen: 43.637 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006091.D
Acq: 16 Oct 2018 20:36

Tgt Ion: 98 Resp: 89648
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



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





#62

4-Bromofluorobenzene

Concen: 35.793 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006091.D

Acq: 16 Oct 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

SUP-4A-G-101518-4

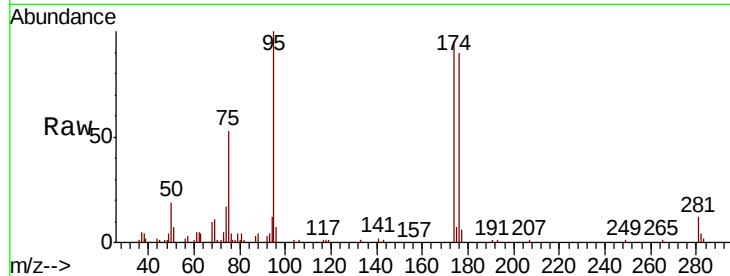
Tgt Ion: 95 Resp: 27618

Ion Ratio Lower Upper

95 100

174 96.1 0.0 186.0

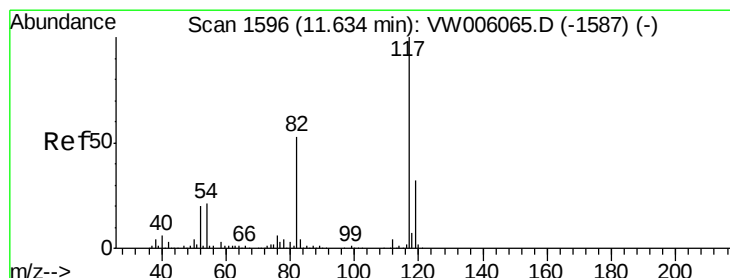
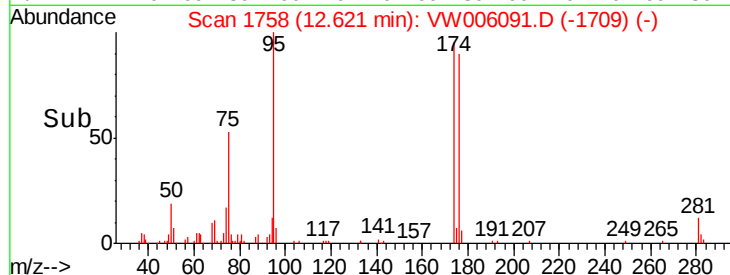
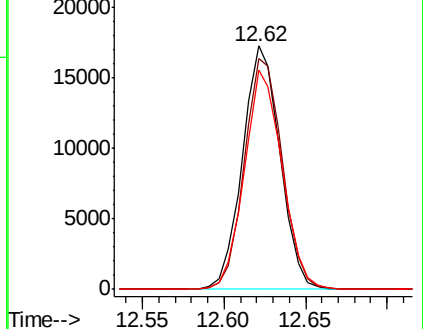
176 91.0 0.0 181.6



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. -0.00 min

Lab File: VW006091.D

Acq: 16 Oct 2018 20:36

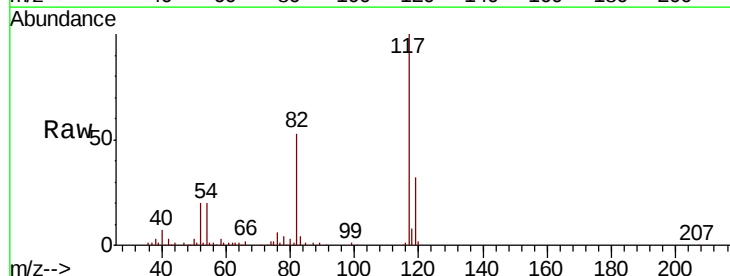
Tgt Ion: 117 Resp: 73367

Ion Ratio Lower Upper

117 100

82 52.6 42.1 63.1

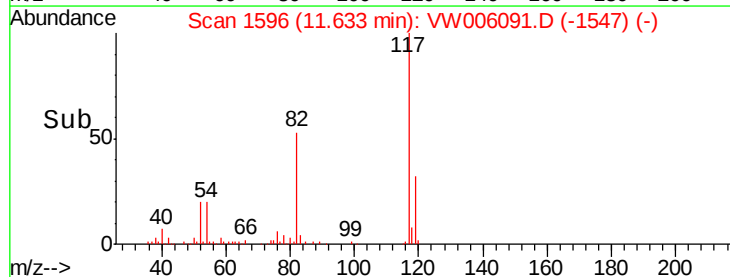
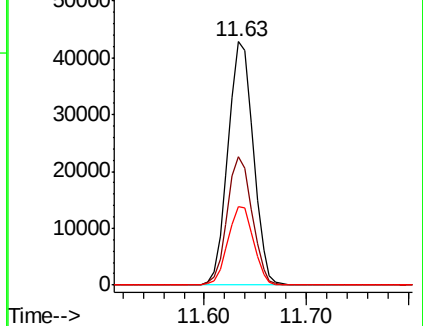
119 32.1 25.8 38.6

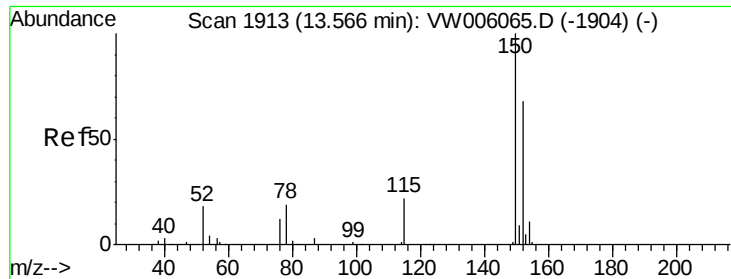


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW006091.D

Acq: 16 Oct 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

SUP-4A-G-101518-4

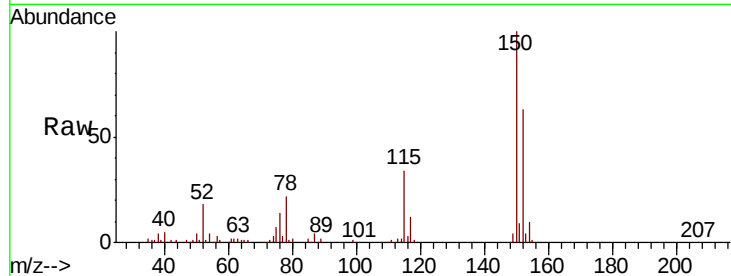
Tgt Ion:152 Resp: 29631

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.3

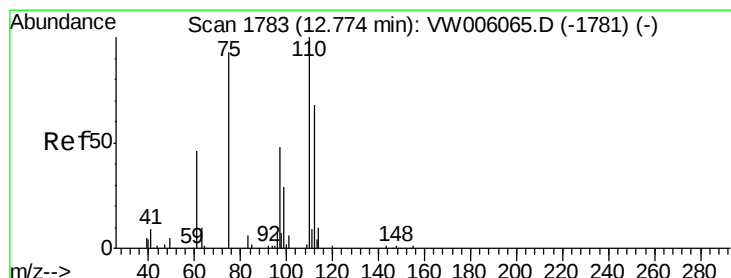
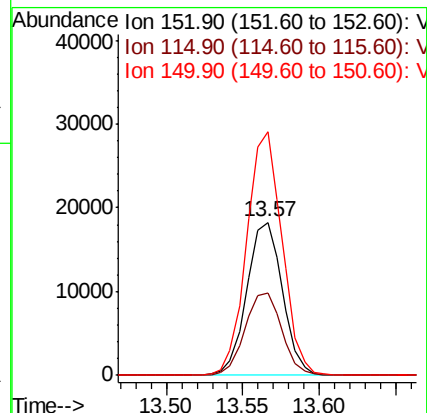
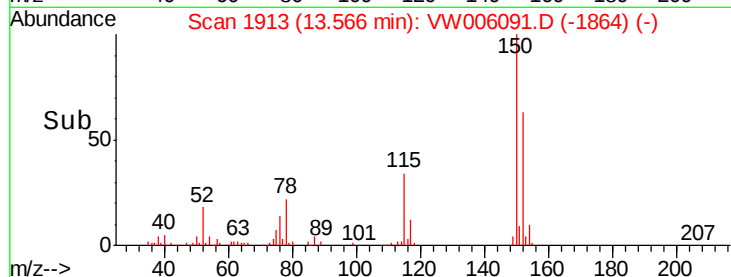
150 157.3 0.0 349.2



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: 61.359 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006091.D

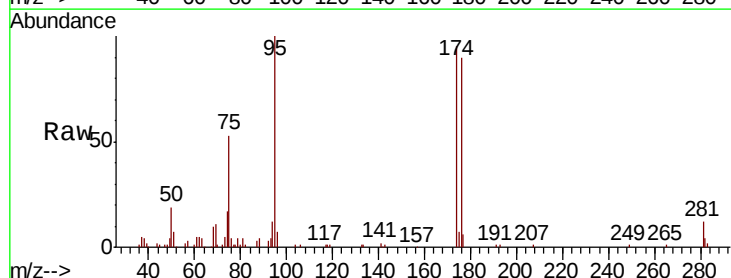
Acq: 16 Oct 2018 20:36

Tgt Ion: 75 Resp: 13887

Ion Ratio Lower Upper

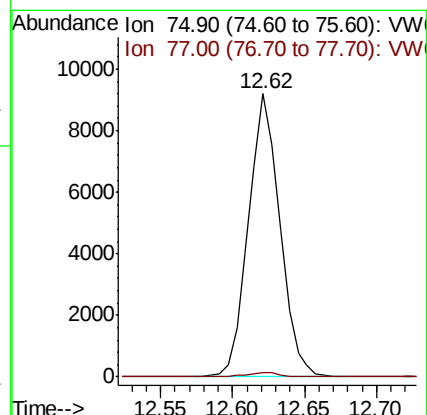
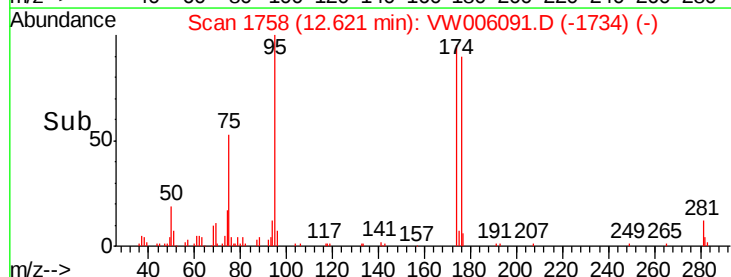
75 100

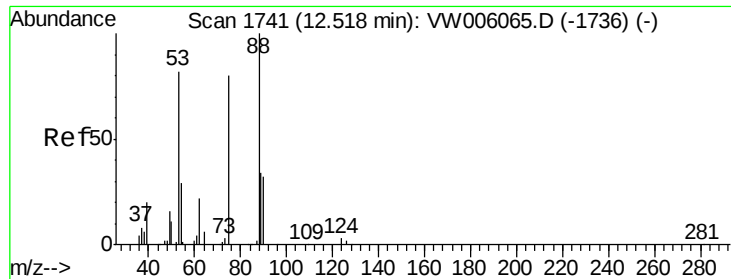
77 1.4 0.0 0.0#



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: 146.673 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006091.D

Acq: 16 Oct 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

SUP-4A-G-101518-4

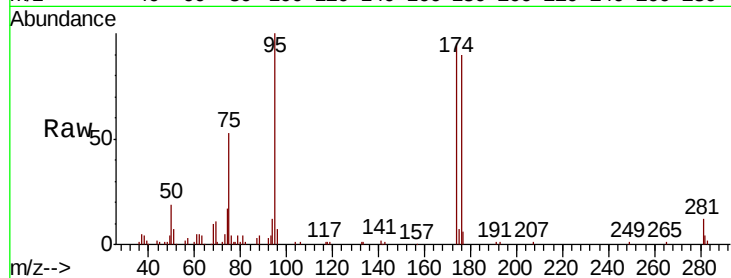
Tgt Ion: 75 Resp: 13887

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#



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

