

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101718\
 Data File : VW006152.D
 Acq On : 18 Oct 2018 04:30
 Operator : VA/AP
 Sample : J5570-01
 Misc : 6.34G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TS-06

Quant Time: Oct 18 10:49:50 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	241690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	343609	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	274137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	110194	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	98122	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
35) Dibromofluoromethane	7.88	113	96375	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
50) Toluene-d8	10.33	98	299727	38.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.60%	
62) 4-Bromofluorobenzene	12.62	95	102279	35.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.50%	

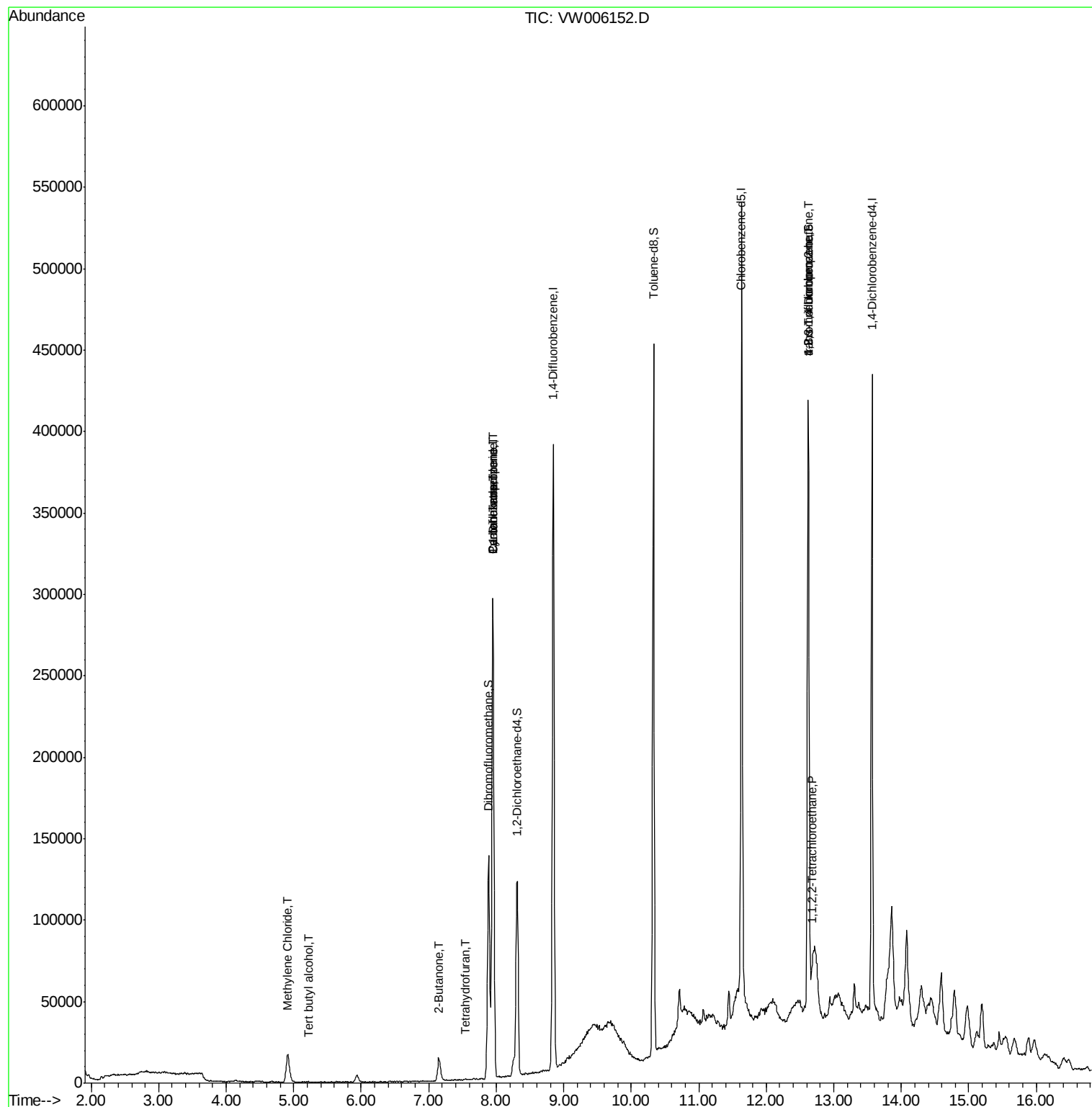
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	184	1.37	ug/l #	8
16) Acetone	4.14	43	2076	Below Cal	#	87
20) Methylene Chloride	4.92	84	15038	5.65	ug/l	94
25) 2-Butanone	7.15	43	836	1.54	ug/l #	76
29) Tetrahydrofuran	7.54	42	435	1.31	ug/l #	63
31) Cyclohexane	7.95	56	4529	1.24	ug/l #	16
36) 1,1-Dichloropropene	7.95	75	15434	4.87	ug/l #	49
38) Carbon Tetrachloride	7.95	117	21577	6.21	ug/l #	18
75) 1,1,2,2-Tetrachloroethane	12.67	83	2193	1.85	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	50926	60.51	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	50926	144.63	ug/l #	10

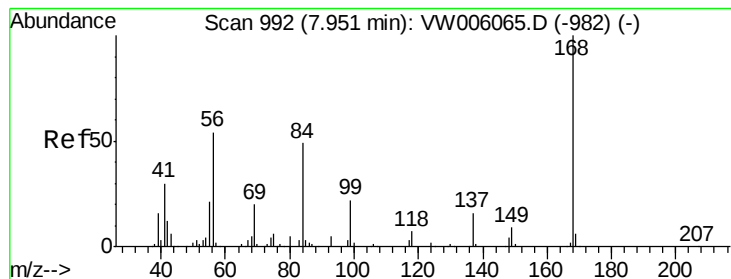
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW101718\
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Quant Title : SW846 8260
QLast Update : Tue Oct 16 05:36:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006152.D

Acq: 18 Oct 2018 04:30

Instrument :

MSVOA_W

ClientSampled :

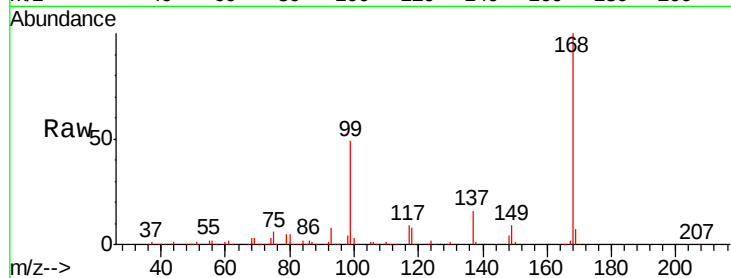
TS-06

Tgt Ion:168 Resp: 241690

Ion Ratio Lower Upper

168 100

99 48.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

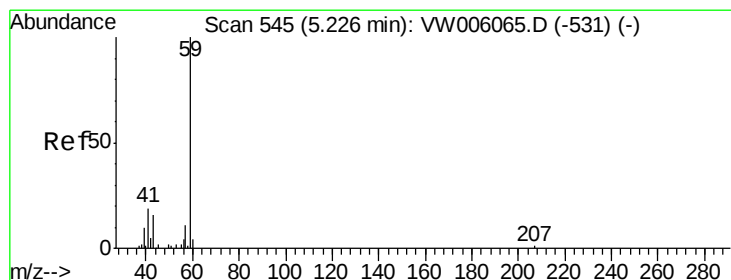
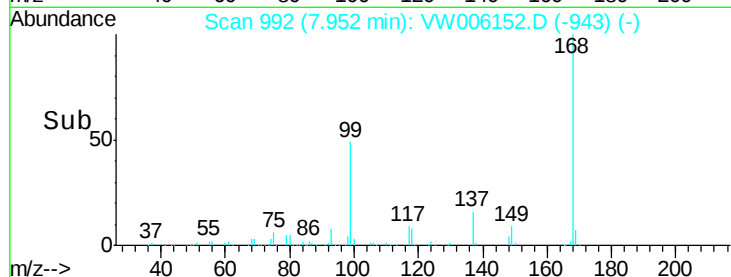
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.37 ug/l

RT: 5.21 min Scan# 543

Delta R.T. -0.01 min

Lab File: VW006152.D

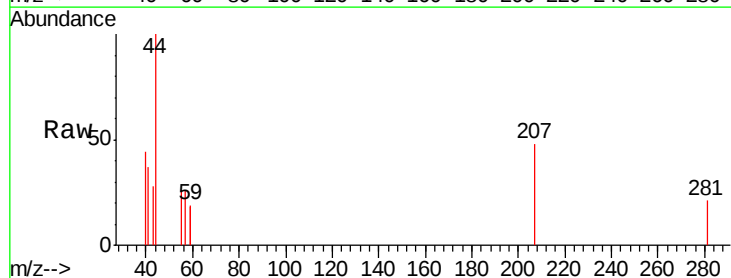
Acq: 18 Oct 2018 04:30

Tgt Ion: 59 Resp: 184

Ion Ratio Lower Upper

59 100

57 45.7 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

120

100

80

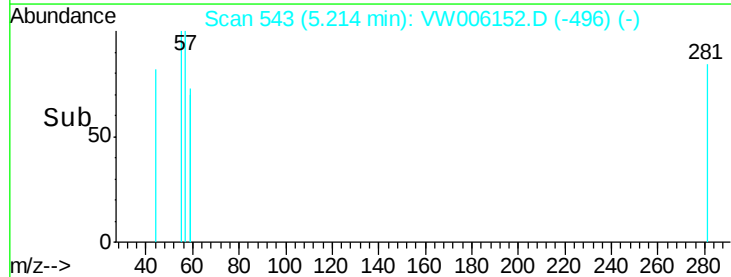
60

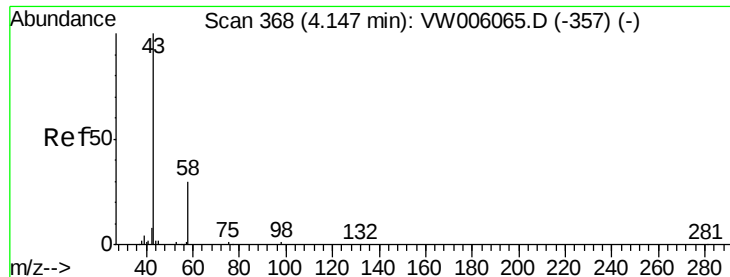
40

20

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW006152.D

Acq: 18 Oct 2018 04:30

Instrument :

MSVOA_W

ClientSampleId :

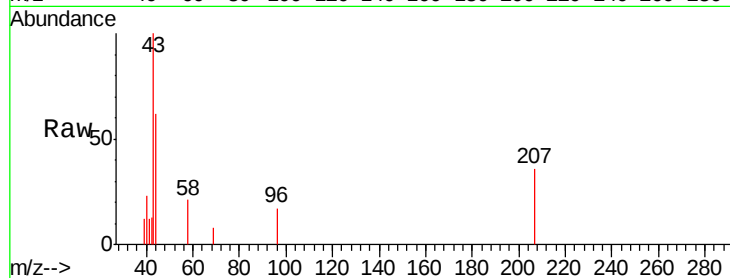
TS-06

Tgt Ion: 43 Resp: 2076

Ion Ratio Lower Upper

43 100

58 23.1 24.0 36.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

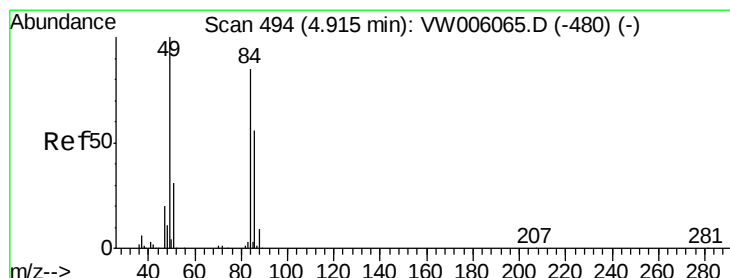
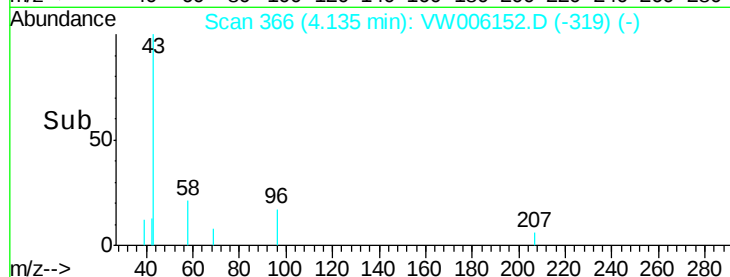
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 5.65 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006152.D

Acq: 18 Oct 2018 04:30

Tgt Ion: 84 Resp: 15038

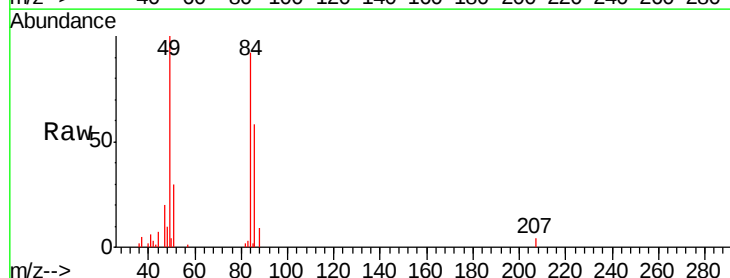
Ion Ratio Lower Upper

84 100

49 109.0 93.6 140.4

51 32.8 29.0 43.4

86 63.6 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

4.92

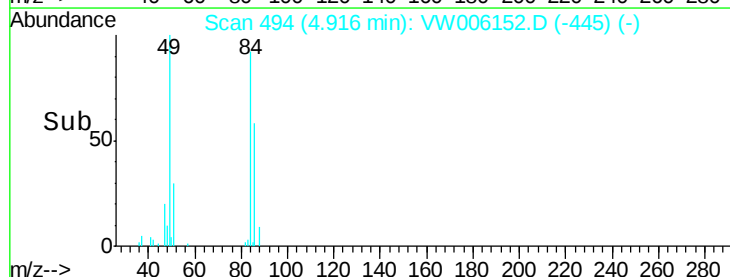
6000

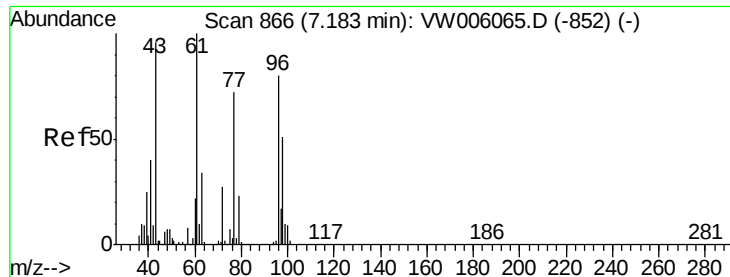
4000

2000

0

Time-->





#25

2-Butanone

Concen: 1.54 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.04 min

Lab File: VW006152.D

Acq: 18 Oct 2018 04:30

Instrument :

MSVOA_W

ClientSampled :

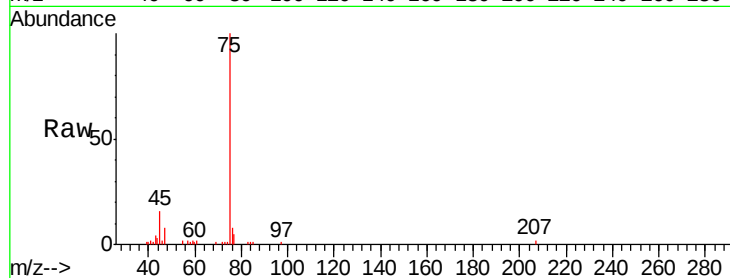
TS-06

Tgt Ion: 43 Resp: 836

Ion Ratio Lower Upper

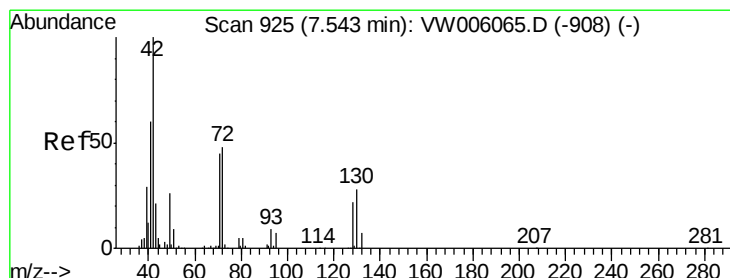
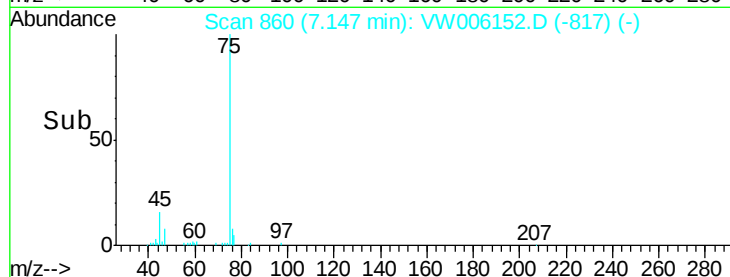
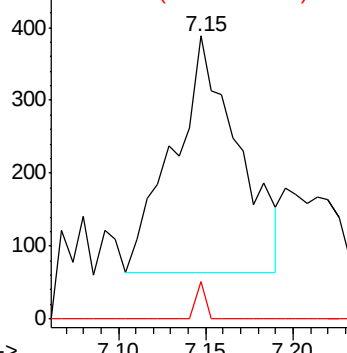
43 100

72 16.0 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 1.31 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: VW006152.D

Acq: 18 Oct 2018 04:30

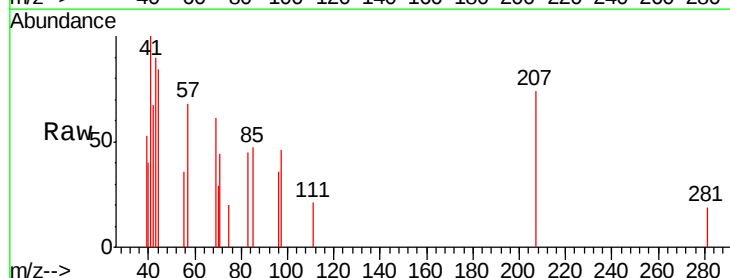
Tgt Ion: 42 Resp: 435

Ion Ratio Lower Upper

42 100

72 4.8 38.0 57.0#

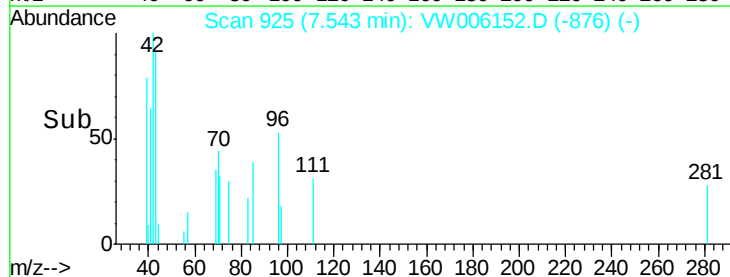
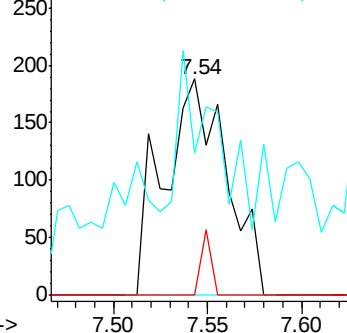
71 50.1 35.3 52.9

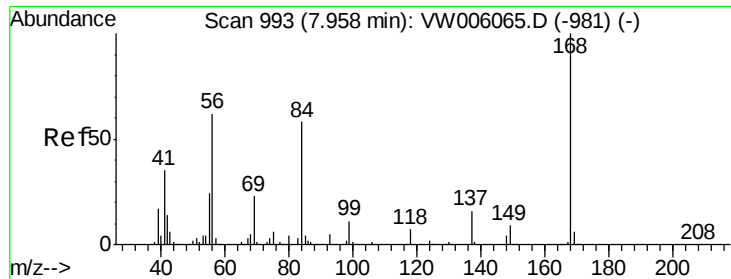


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

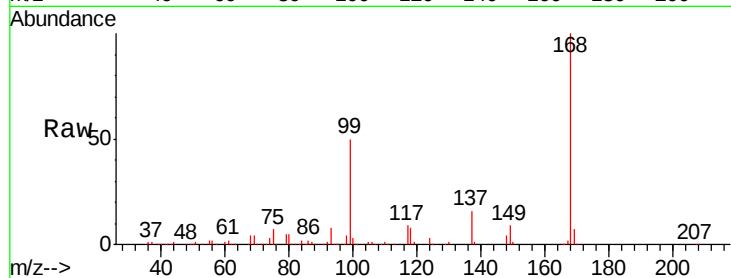




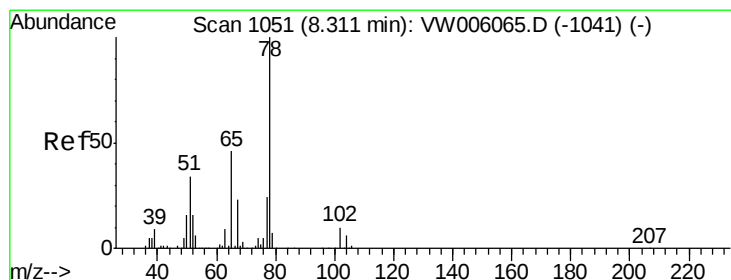
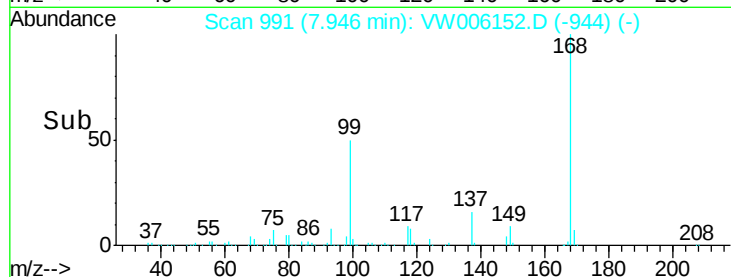
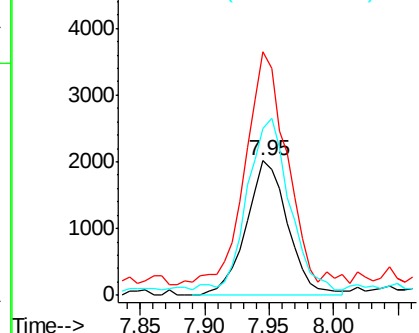
#31
Cyclohexane
Concen: 1.24 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006152.D
Acq: 18 Oct 2018 04:30

Instrument :
MSVOA_W
ClientSampled :
TS-06

Tgt Ion: 56 Resp: 4529
Ion Ratio Lower Upper
56 100
69 170.6 29.4 44.0#
84 119.4 74.0 111.0#

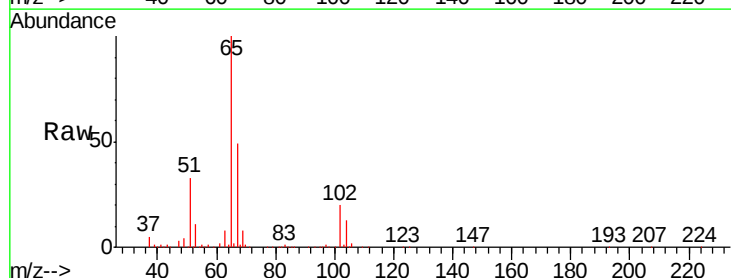


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

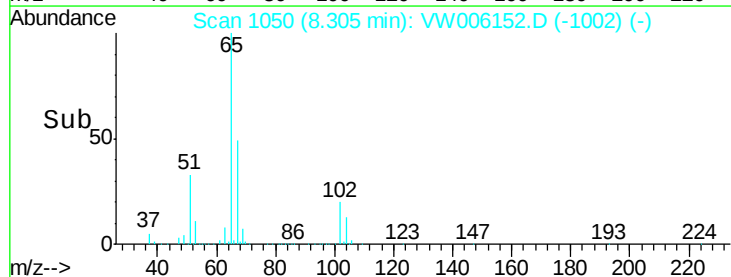
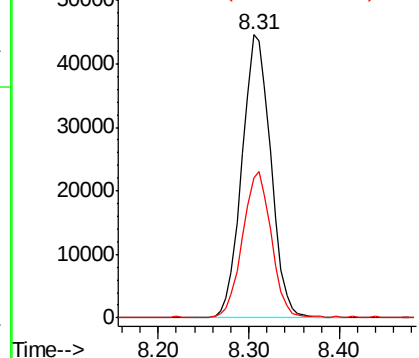


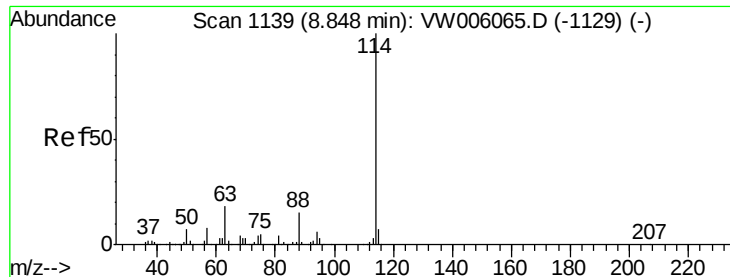
#33
1,2-Dichloroethane-d4
Concen: 48.97 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VW006152.D
Acq: 18 Oct 2018 04:30

Tgt Ion: 65 Resp: 98122
Ion Ratio Lower Upper
65 100
67 51.1 0.0 101.0



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

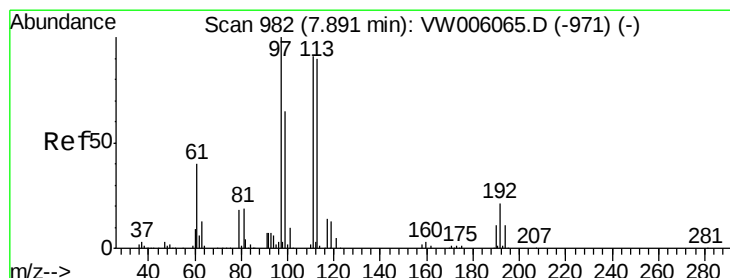
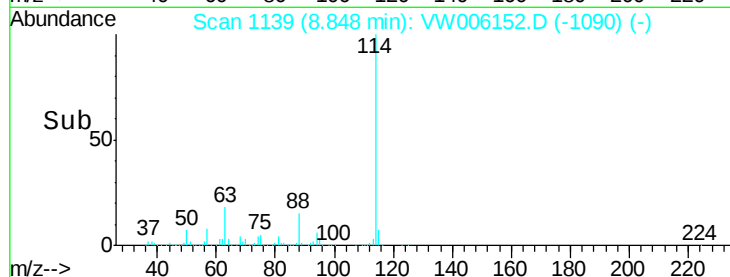
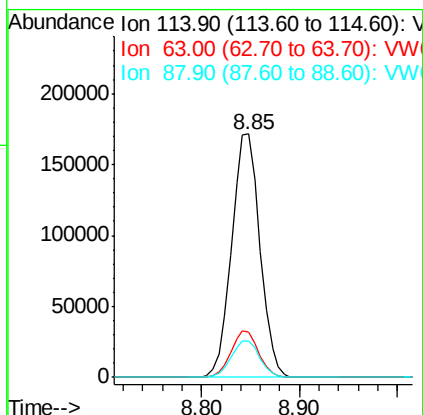
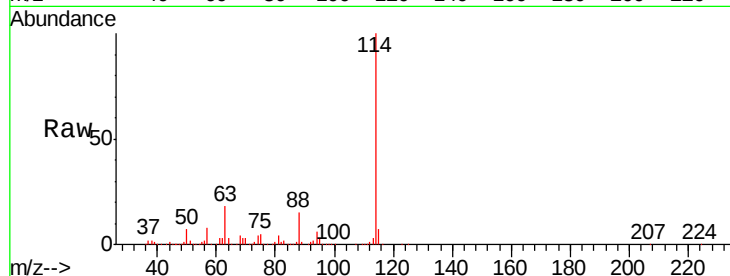




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006152.D
 Acq: 18 Oct 2018 04:30

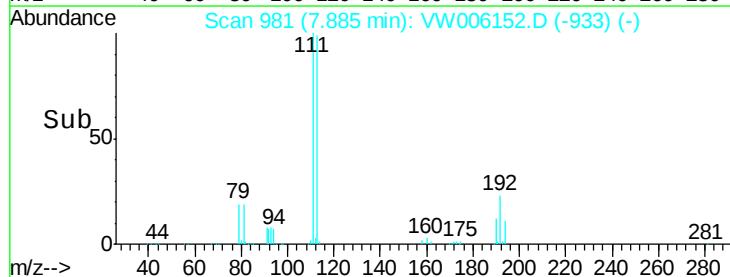
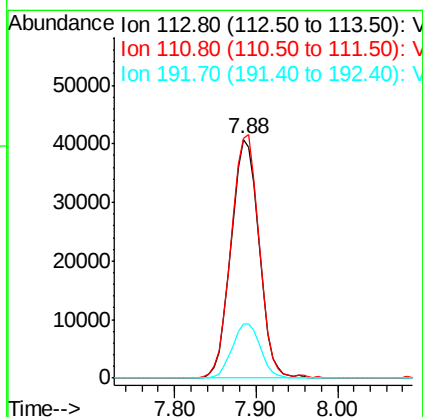
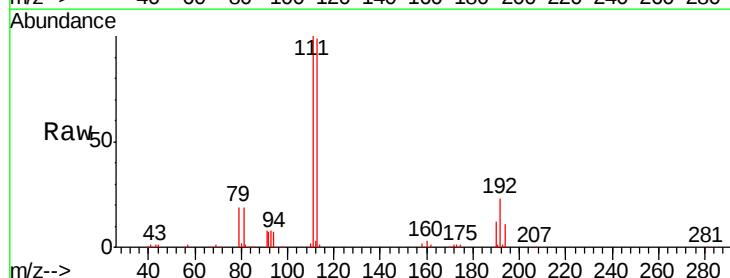
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 TS-06

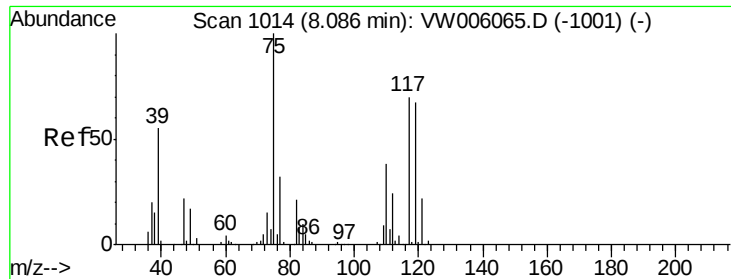
Tgt Ion:114 Resp: 343609
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.8
 88 14.7 0.0 29.0



#35
 Dibromofluoromethane
 Concen: 47.47 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006152.D
 Acq: 18 Oct 2018 04:30

Tgt Ion:113 Resp: 96375
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.4 122.0
 192 22.7 18.7 28.1

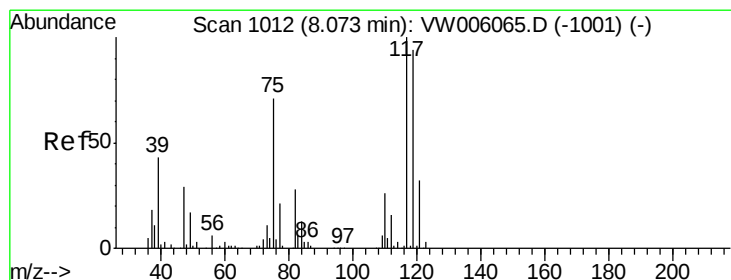
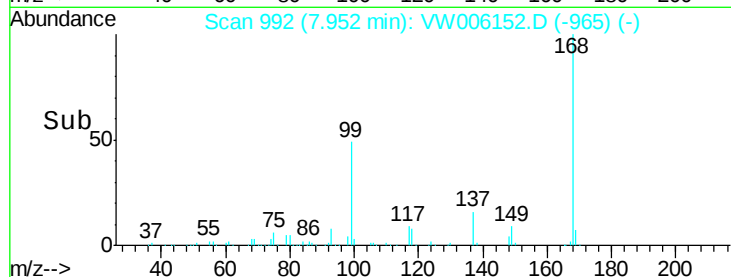
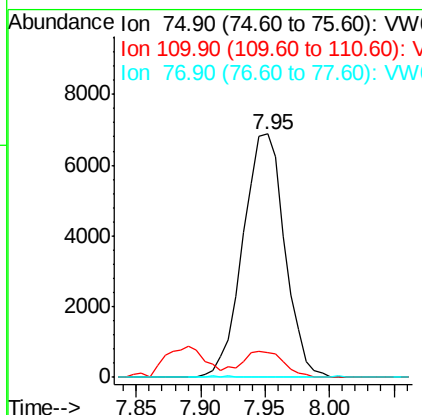
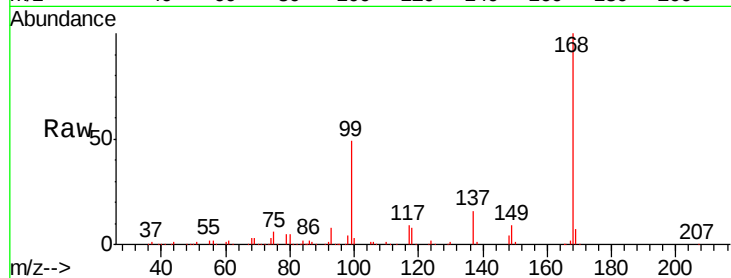




#36
 1,1-Dichloropropene
 Concen: 4.87 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006152.D
 Acq: 18 Oct 2018 04:30

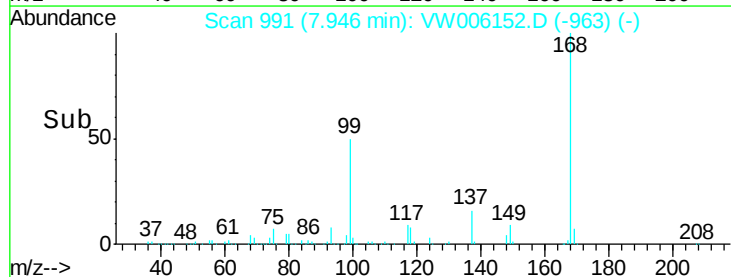
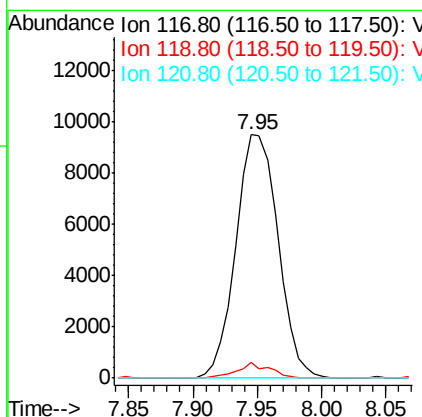
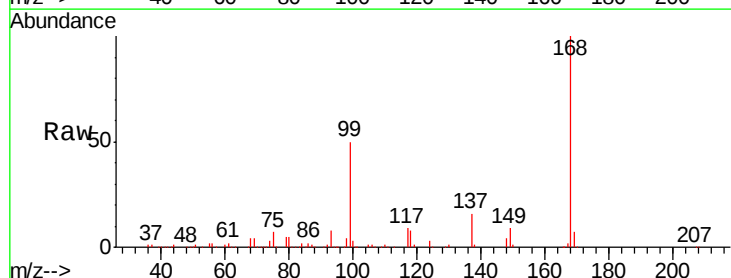
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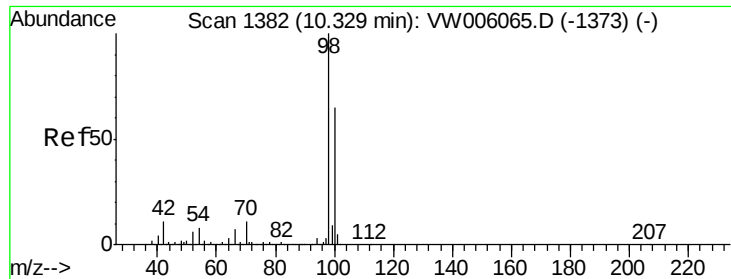
Tgt Ion: 75 Resp: 15434
 Ion Ratio Lower Upper
 75 100
 110 9.7 19.1 57.1#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.21 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW006152.D
 Acq: 18 Oct 2018 04:30

Tgt Ion: 117 Resp: 21577
 Ion Ratio Lower Upper
 117 100
 119 6.5 75.2 112.8#
 121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 38.80 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006152.D

Acq: 18 Oct 2018 04:30

Instrument :

MSVOA_W

ClientSampleId :

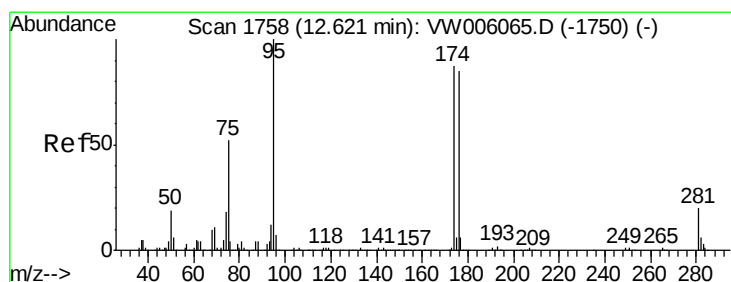
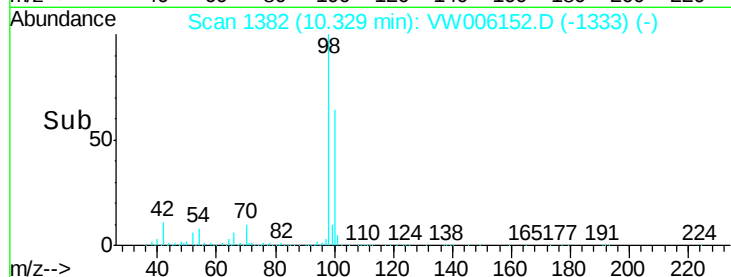
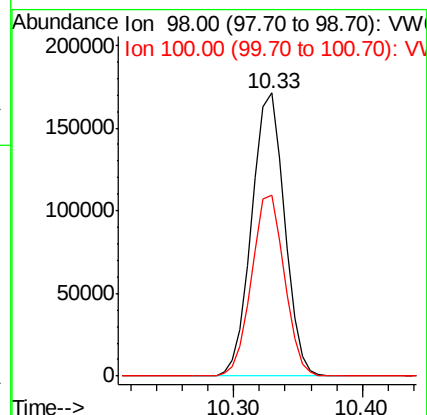
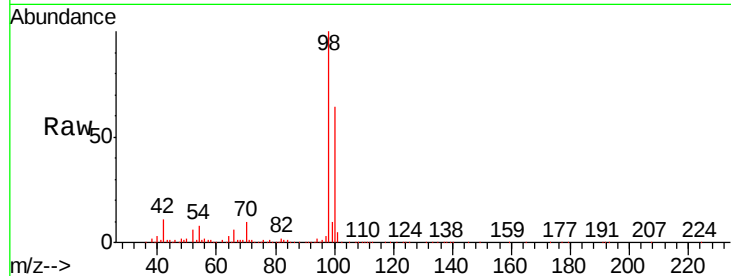
TS-06

Tgt Ion: 98 Resp: 299727

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 35.25 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006152.D

Acq: 18 Oct 2018 04:30

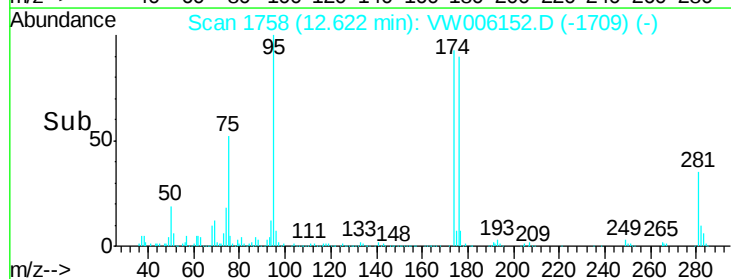
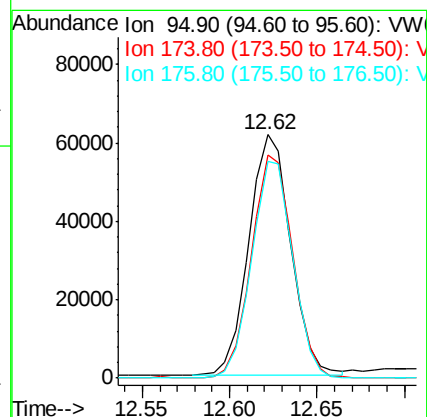
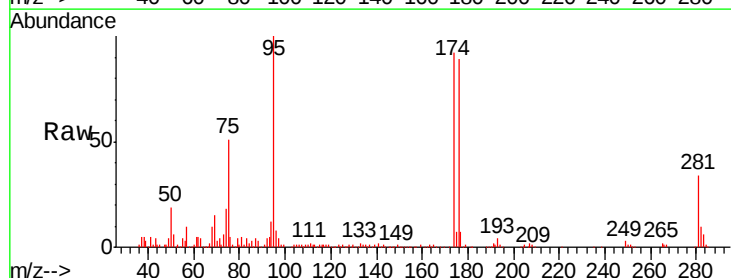
Tgt Ion: 95 Resp: 102279

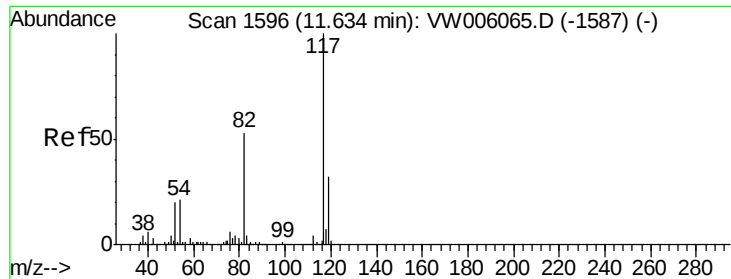
Ion Ratio Lower Upper

95 100

174 91.2 0.0 186.0

176 88.5 0.0 181.6

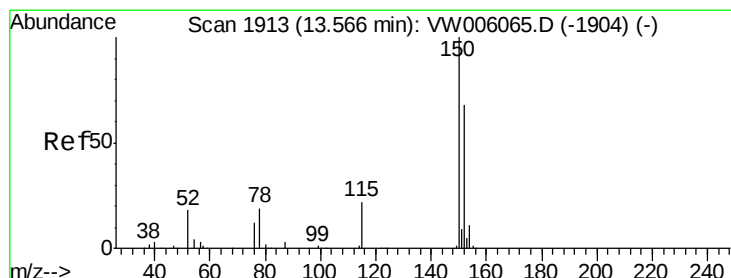
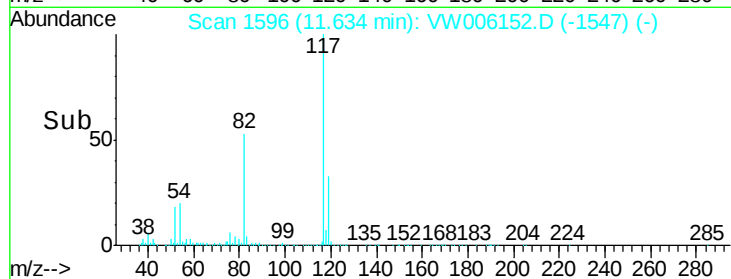
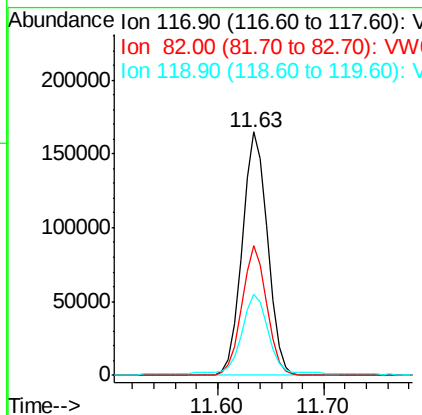
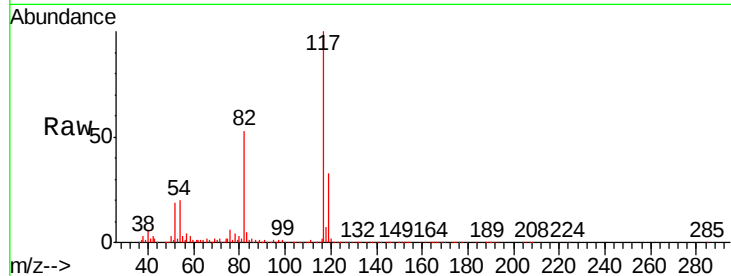




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006152.D
Acq: 18 Oct 2018 04:30

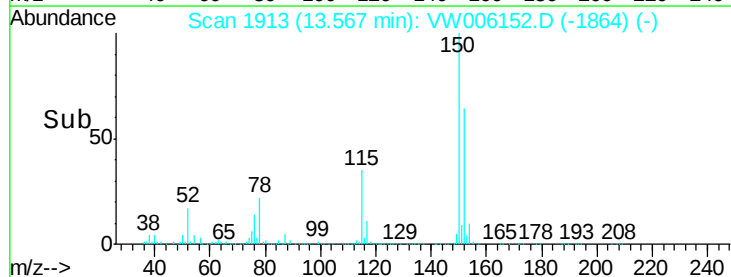
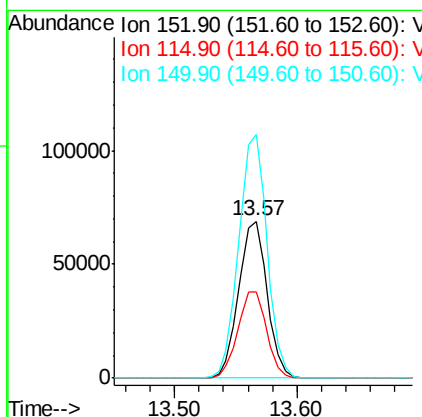
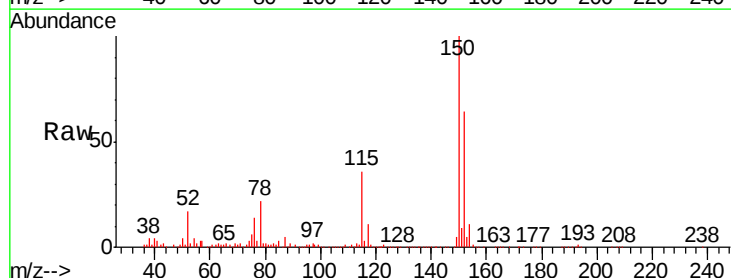
Instrument :
MSVOA_W
ClientSampleId :
TS-06

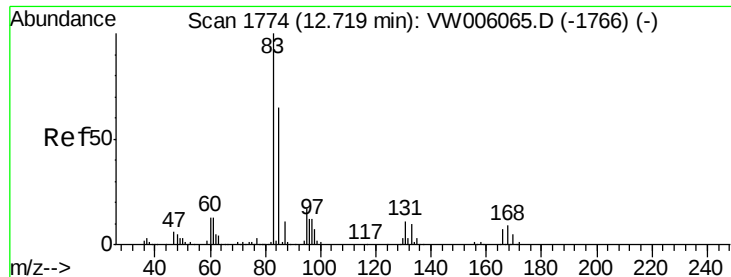
Tgt Ion:117 Resp: 274137
Ion Ratio Lower Upper
117 100
82 53.1 42.1 63.1
119 32.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006152.D
Acq: 18 Oct 2018 04:30

Tgt Ion:152 Resp: 110194
Ion Ratio Lower Upper
152 100
115 55.3 27.8 83.3
150 156.1 0.0 349.2





#75

1,1,2,2-Tetrachloroethane

Concen: 1.85 ug/l

RT: 12.67 min Scan# 1766

Delta R.T. -0.05 min

Lab File: VW006152.D

Acq: 18 Oct 2018 04:30

Instrument :

MSVOA_W

ClientSampled :

TS-06

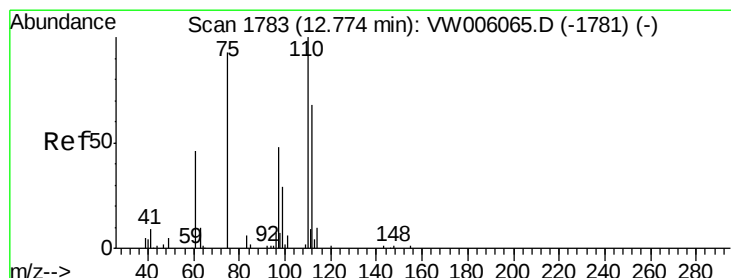
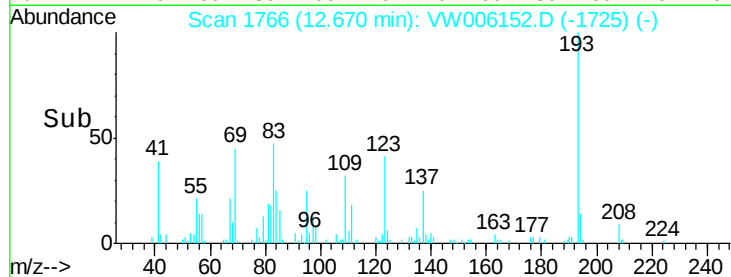
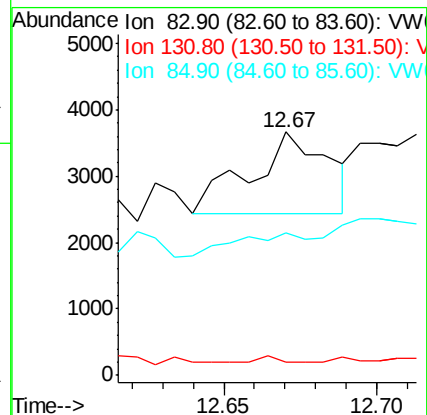
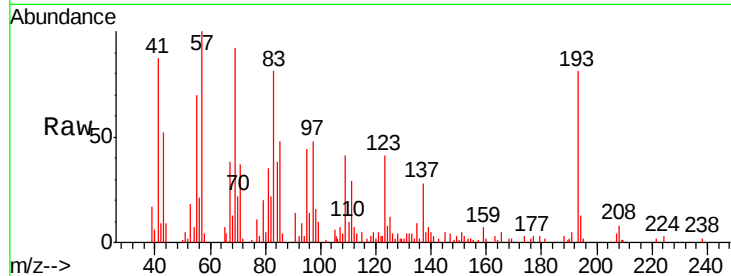
Tgt Ion: 83 Resp: 2193

Ion Ratio Lower Upper

83 100

131 2.5 5.9 17.7#

85 0.0 31.9 95.9#



#76

1,2,3-Trichloropropane

Concen: 60.51 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006152.D

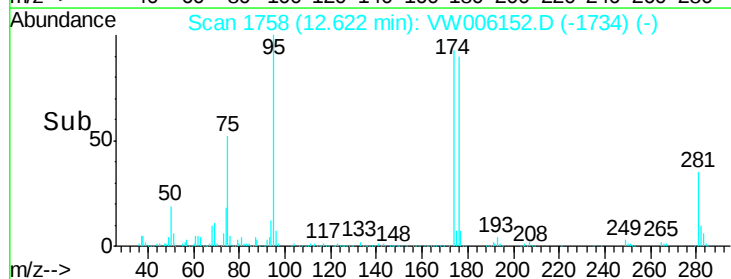
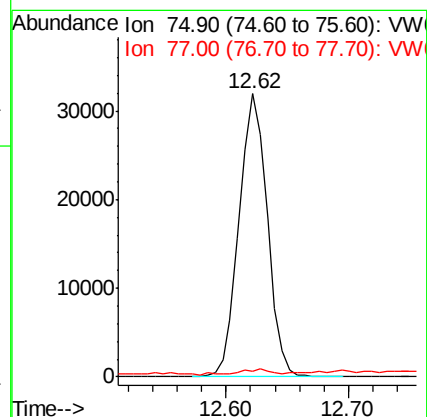
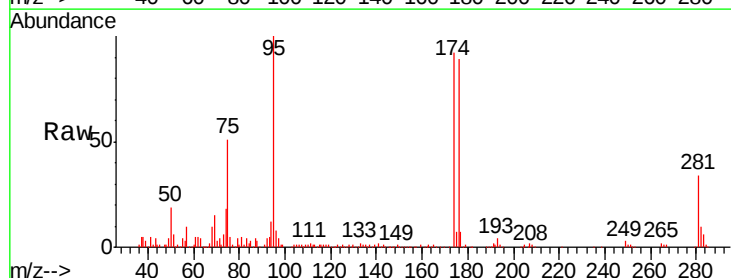
Acq: 18 Oct 2018 04:30

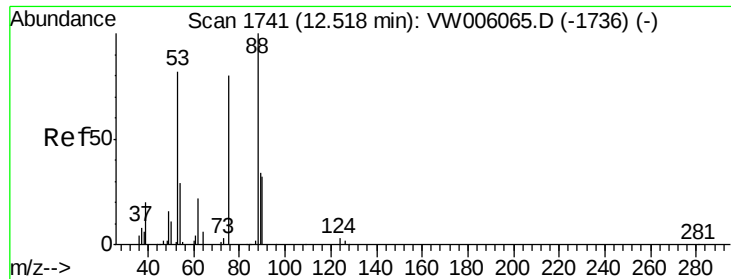
Tgt Ion: 75 Resp: 50926

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 144.63 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006152.D

Acq: 18 Oct 2018 04:30

Instrument :

MSVOA_W

ClientSampleId :

TS-06

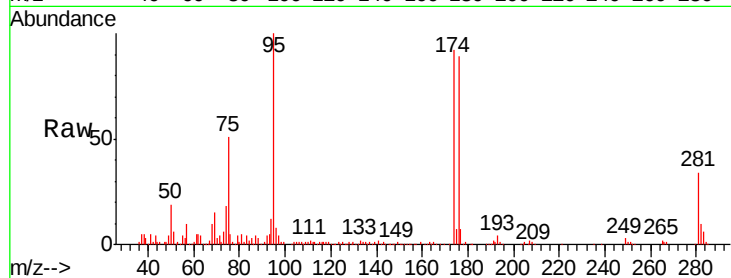
Tgt Ion: 75 Resp: 50926

Ion Ratio Lower Upper

75 100

53 0.4 79.8 119.6#

89 0.5 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

