

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071018\
 Data File : VW003861.D
 Acq On : 11 Jul 2018 09:06
 Operator : SY/AP
 Sample : J3824-01
 Misc : 5.31G/5ML/MSVOA W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-02-071018

Quant Time: Jul 11 11:13:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	148539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	252682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	221006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	85261	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	105205	54.16	ug/l	0.00
Spiked Amount			Recovery	=	108.32%	
35) Dibromofluoromethane	7.88	113	91647	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
50) Toluene-d8	10.32	98	312733	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	
62) 4-Bromofluorobenzene	12.62	95	90618	37.02	ug/l	0.00
Spiked Amount			Recovery	=	74.04%	

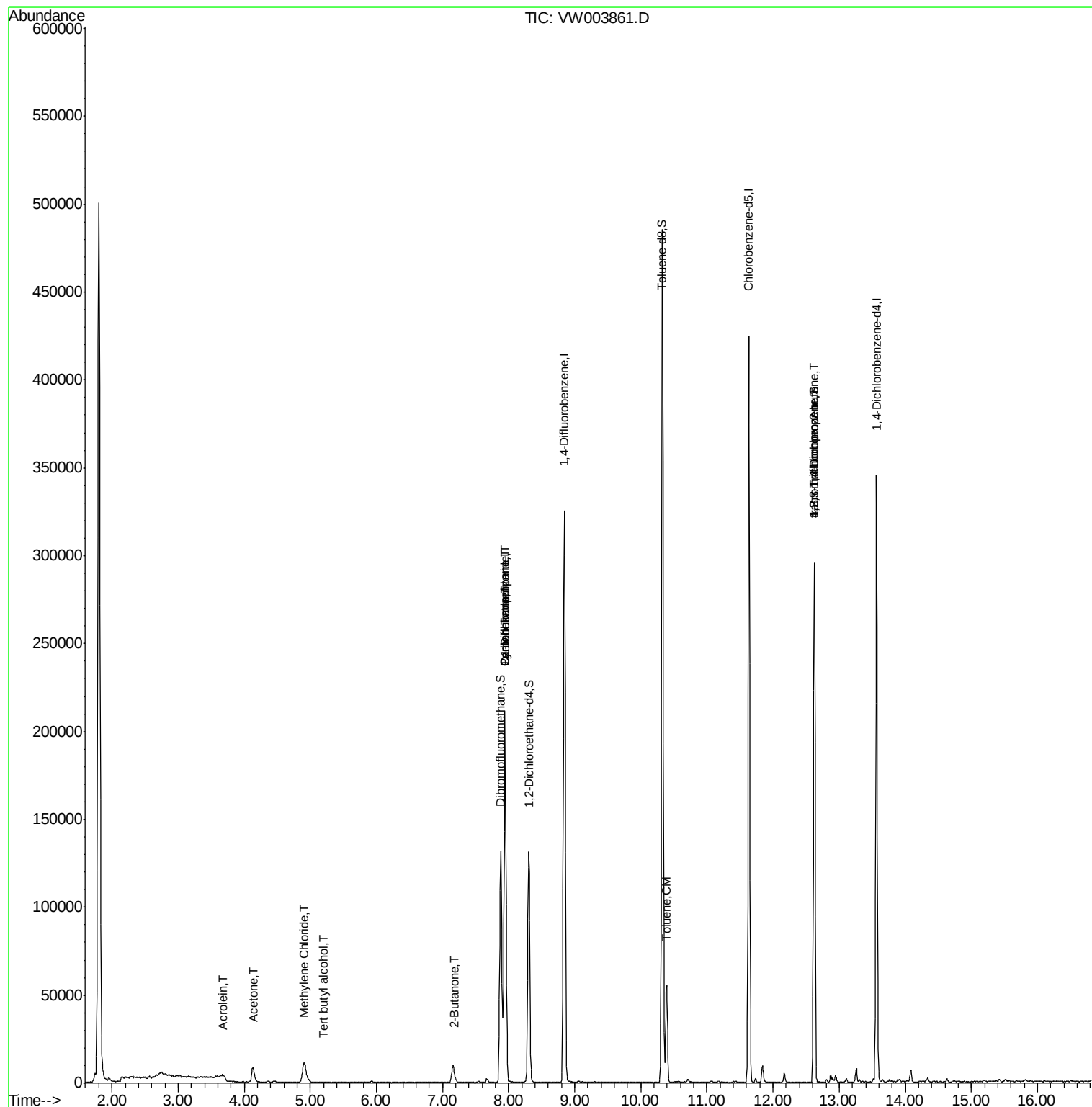
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	118	1.12	ug/l #	70
13) Acrolein	3.67	56	42	4.98	ug/l #	1
16) Acetone	4.14	43	15441	45.82	ug/l	98
20) Methylene Chloride	4.90	84	10307	2.07	ug/l	93
25) 2-Butanone	7.18	43	1762	3.34	ug/l	93
31) Cyclohexane	7.95	56	3965	1.40	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	13051	4.87	ug/l #	50
38) Carbon Tetrachloride	7.95	117	15531	6.09	ug/l #	16
52) Toluene	10.39	92	22024	4.63	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	48593	58.04	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	48593	141.98	ug/l #	8

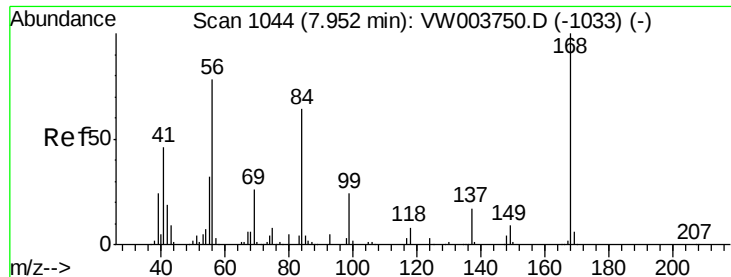
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jul 07 05:07:25 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003861.D

Acq: 11 Jul 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

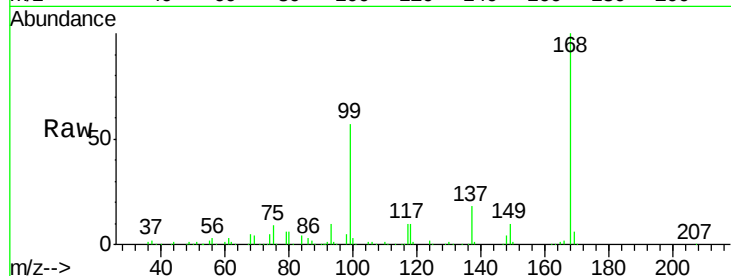
HD-02-071018

Tot Ion:168 Resp: 148539

Ion Ratio Lower Upper

168 100

99 56.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

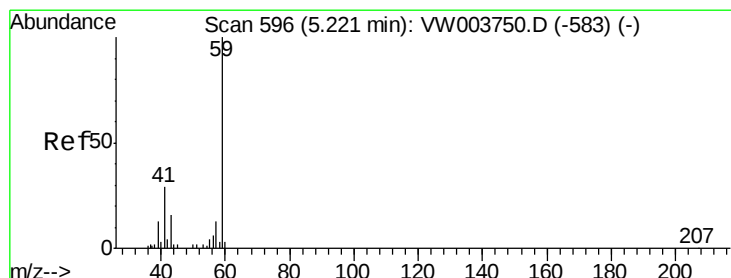
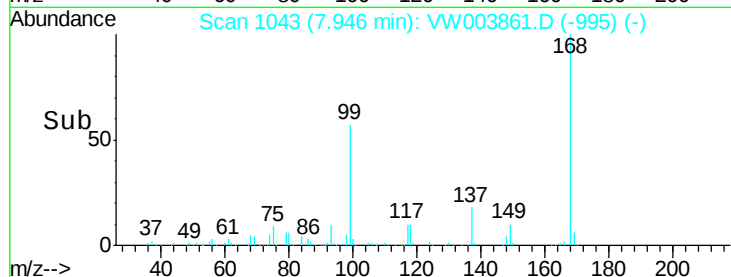
40000

20000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 1.12 ug/l

RT: 5.20 min Scan# 593

Delta R.T. -0.02 min

Lab File: VW003861.D

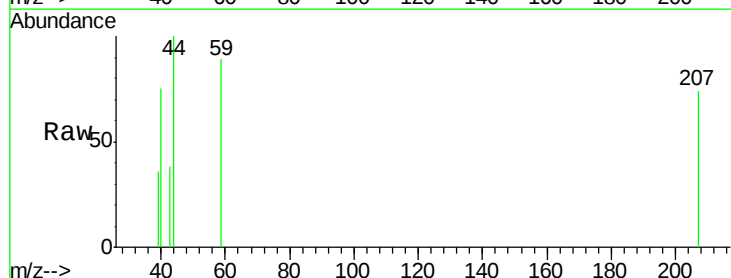
Acq: 11 Jul 2018 09:06

Tgt Ion: 59 Resp: 118

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

150

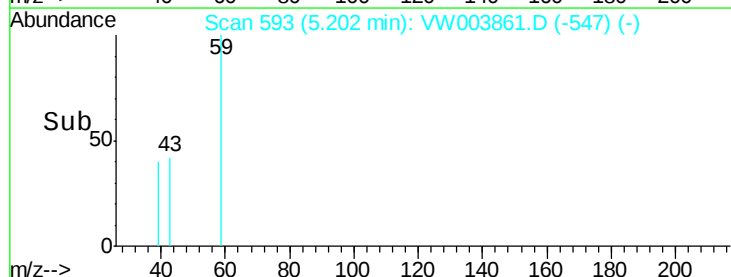
100

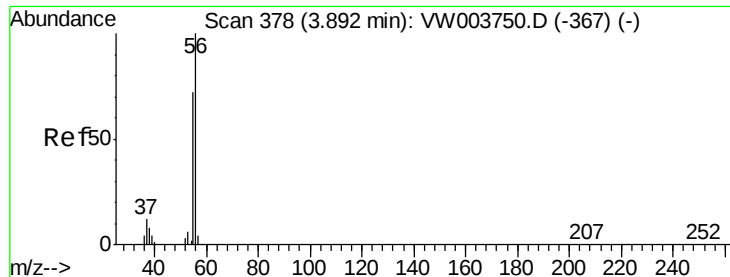
50

0

5.18 5.20 5.22 5.24

Time-->





#13

Acrolein

Concen: 4.98 ug/l

RT: 3.67 min Scan# 342

Delta R.T. -0.22 min

Lab File: VW003861.D

Acq: 11 Jul 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

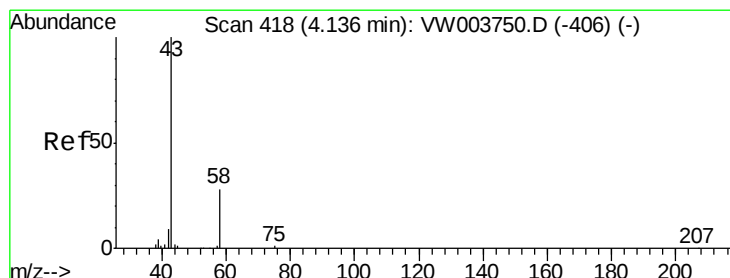
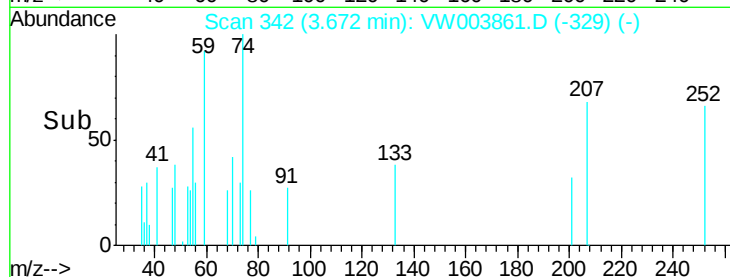
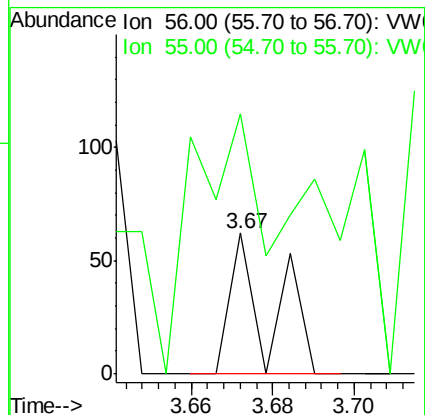
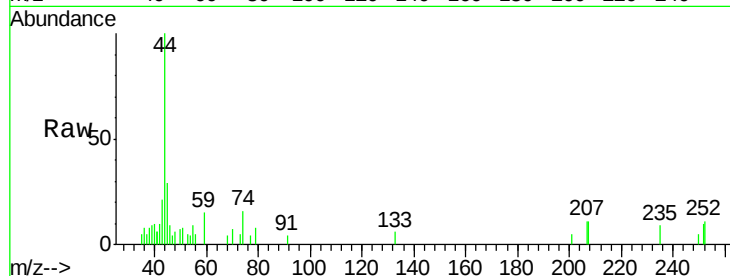
HD-02-071018

Tot Ion: 56 Resp: 42

Ion Ratio Lower Upper

56 100

55 364.3 57.5 86.3#



#16

Acetone

Concen: 45.82 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.00 min

Lab File: VW003861.D

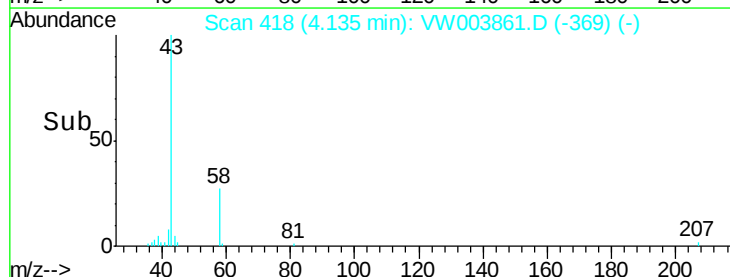
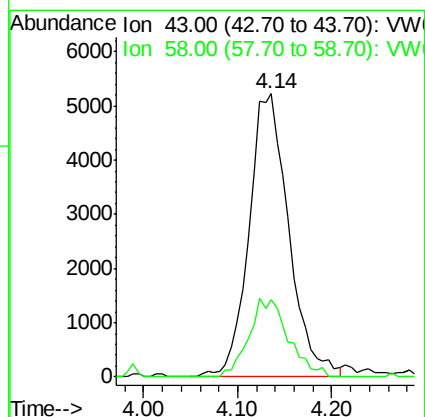
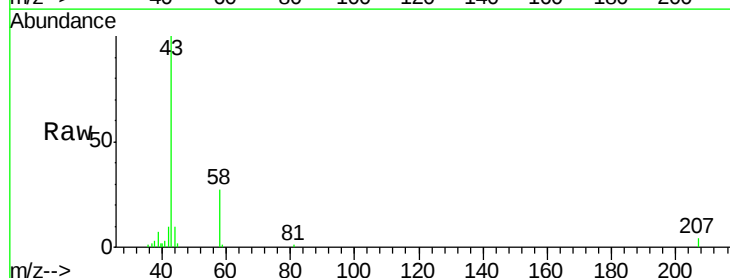
Acq: 11 Jul 2018 09:06

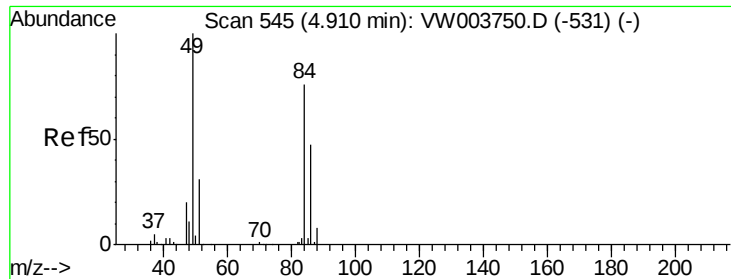
Tgt Ion: 43 Resp: 15441

Ion Ratio Lower Upper

43 100

58 27.4 22.6 34.0

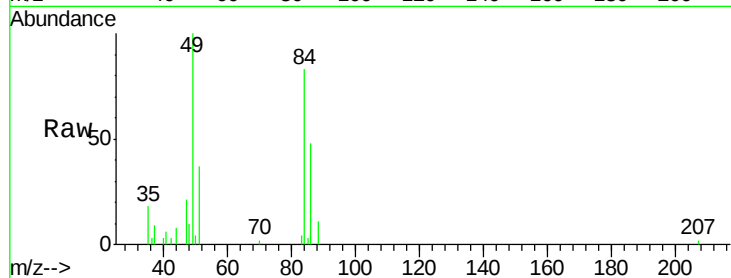




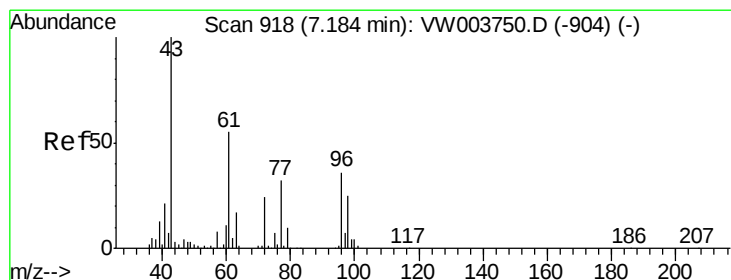
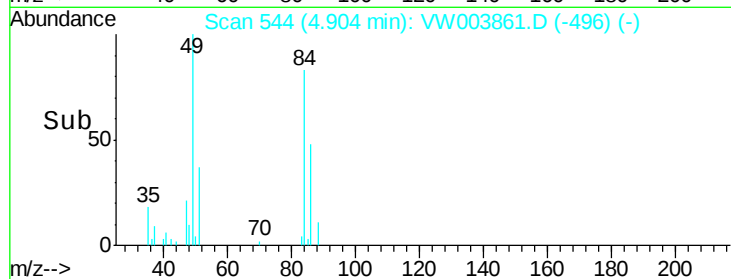
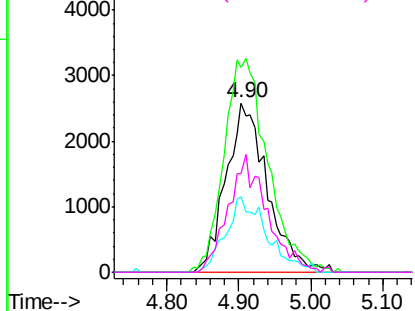
#20
Methylene Chloride
Concen: 2.07 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003861.D
Acq: 11 Jul 2018 09:06

Instrument :
MSVOA_W
ClientSampleId :
HD-02-071018

Tot Ion:	84	Resp:	10307
Ion	Ratio	Lower	Upper
84	100		
49	121.2	105.1	157.7
51	44.4	32.5	48.7
86	58.0	49.8	74.6

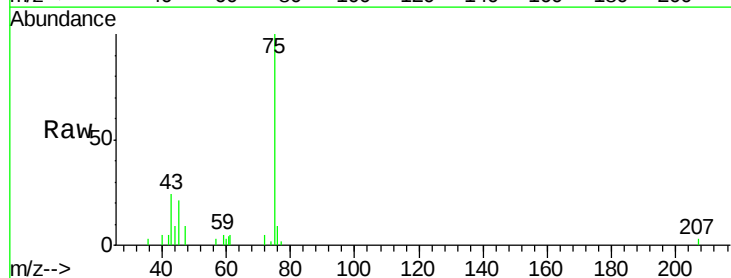


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

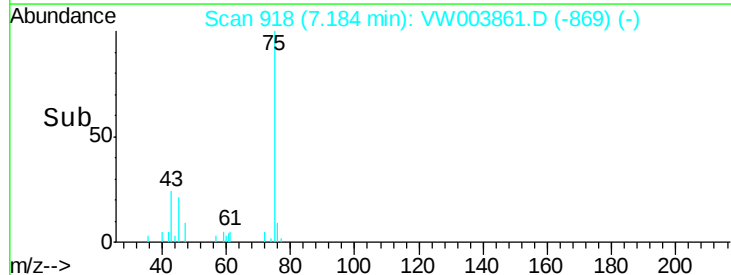
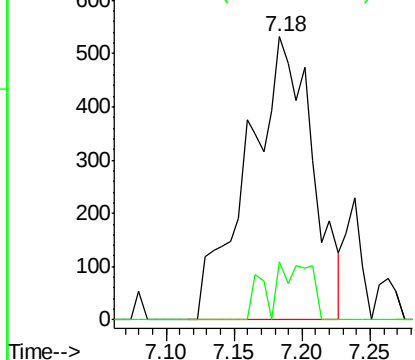


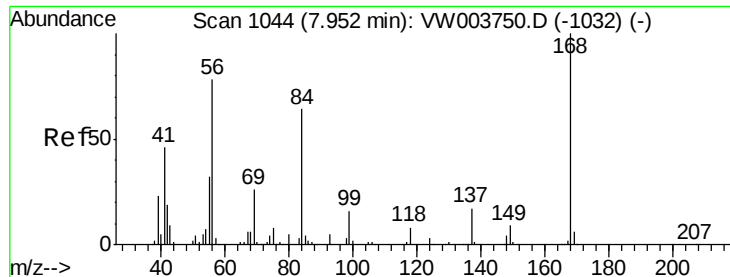
#25
2-Butanone
Concen: 3.34 ug/l
RT: 7.18 min Scan# 918
Delta R.T. -0.00 min
Lab File: VW003861.D
Acq: 11 Jul 2018 09:06

Tgt Ion:	43	Resp:	1762
Ion	Ratio	Lower	Upper
43	100		
72	20.7	19.4	29.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.40 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003861.D

Acq: 11 Jul 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

HD-02-071018

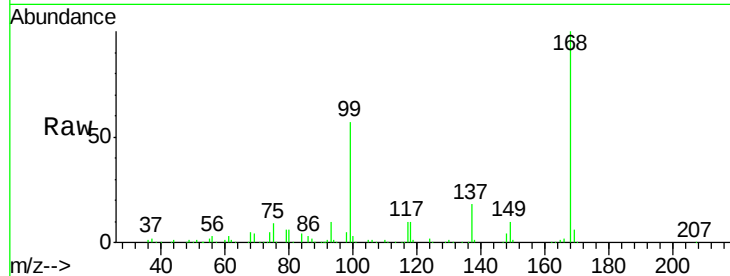
Tot Ion: 56 Resp: 3965

Ion Ratio Lower Upper

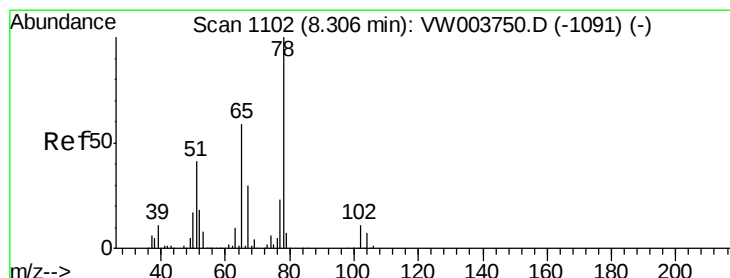
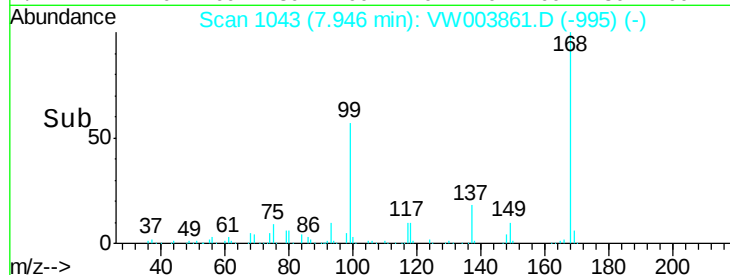
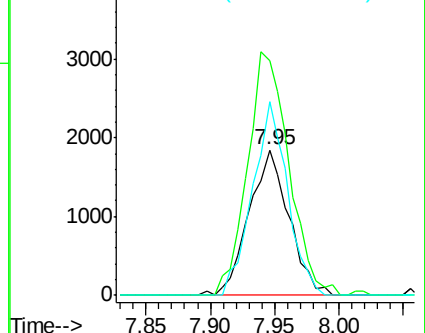
56 100

69 161.7 26.2 39.4#

84 133.7 65.5 98.3#



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: 54.16 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003861.D

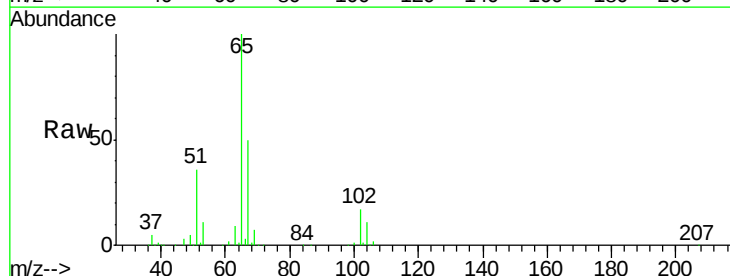
Acq: 11 Jul 2018 09:06

Tgt Ion: 65 Resp: 105205

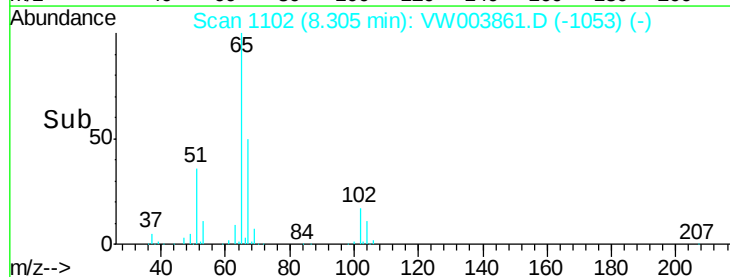
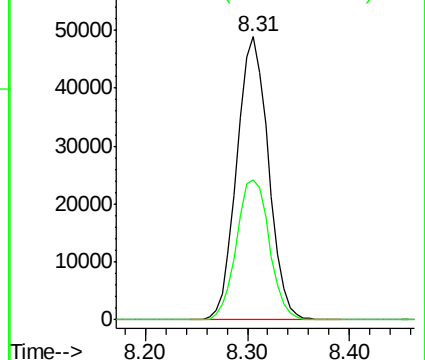
Ion Ratio Lower Upper

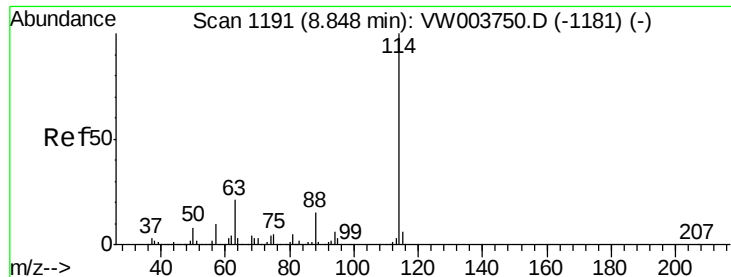
65 100

67 51.3 0.0 103.8



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

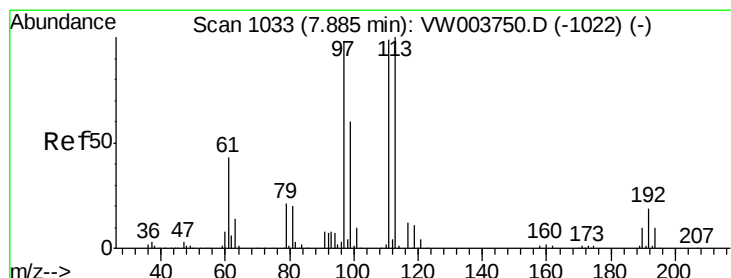
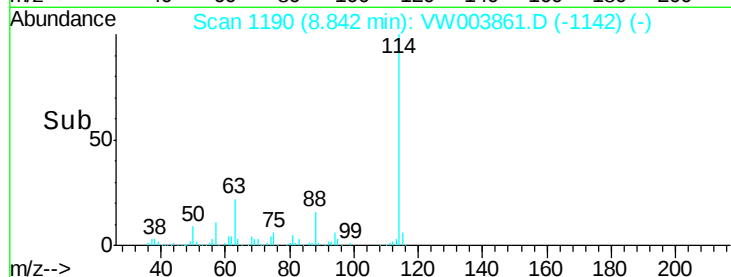
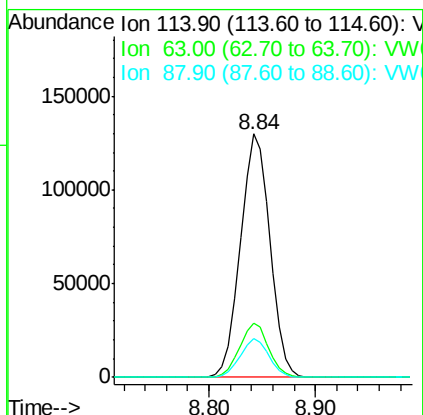
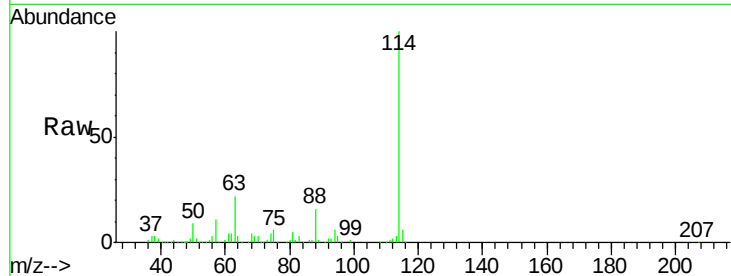




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW003861.D
 Acq: 11 Jul 2018 09:06

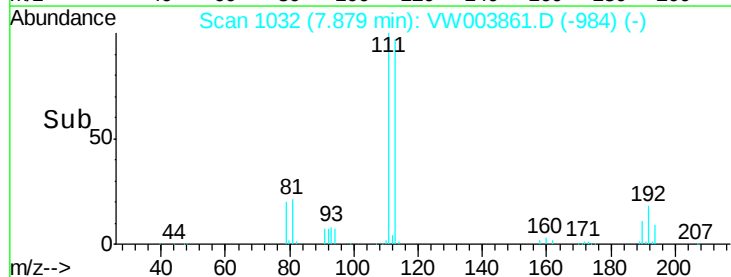
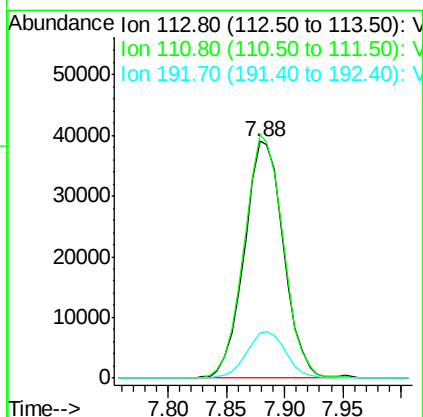
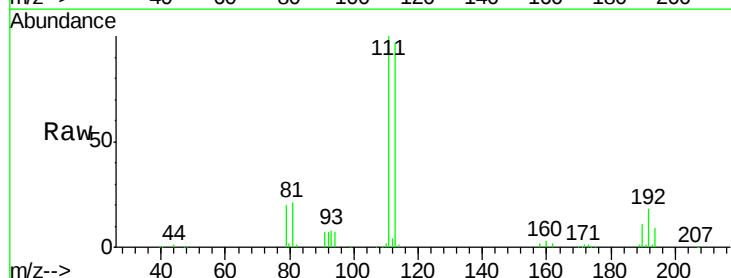
Instrument :
 MSVOA_W
 ClientSampleId :
 HD-02-071018

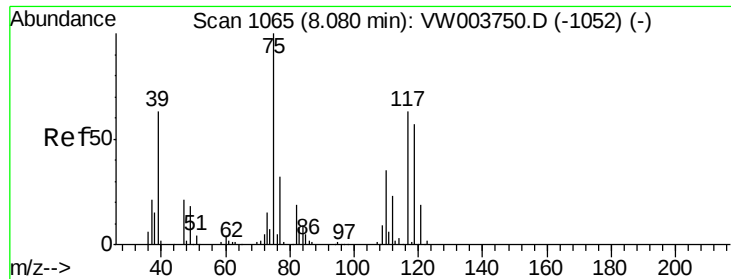
Tot Ion:114 Resp: 252682
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 41.8
 88 15.8 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 51.82 ug/l
 RT: 7.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: VW003861.D
 Acq: 11 Jul 2018 09:06

Tgt Ion:113 Resp: 91647
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.7 122.5
 192 19.6 15.8 23.8

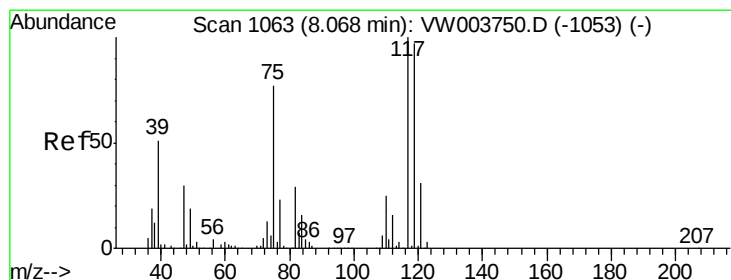
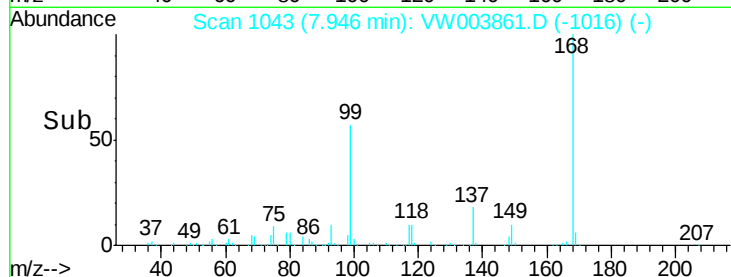
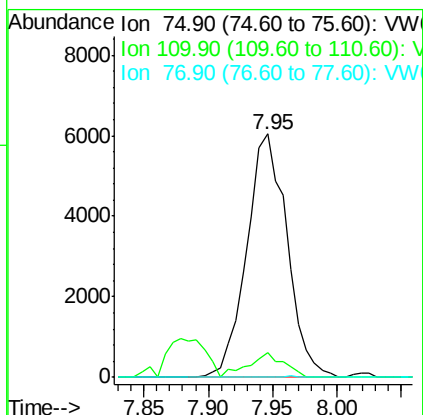
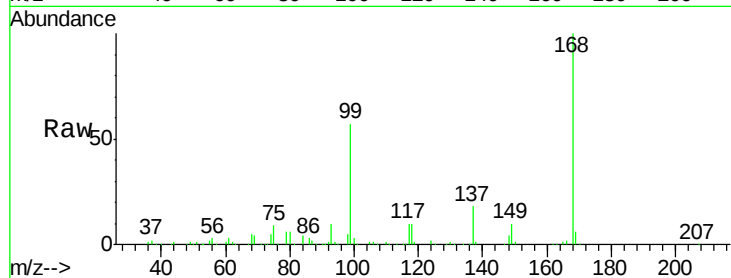




#36
 1,1-Dichloropropene
 Concen: 4.87 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003861.D
 Acq: 11 Jul 2018 09:06

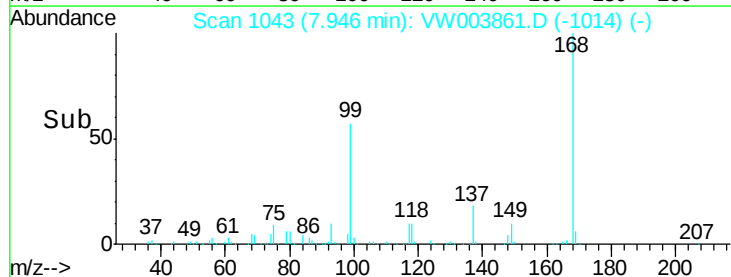
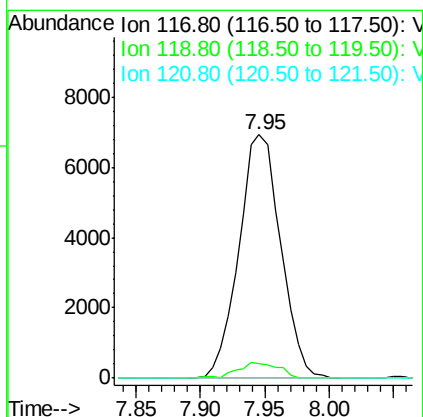
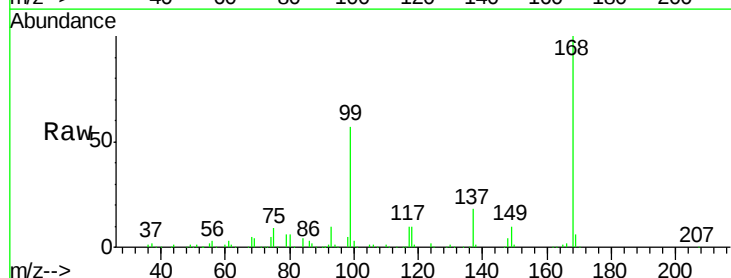
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 HD-02-071018

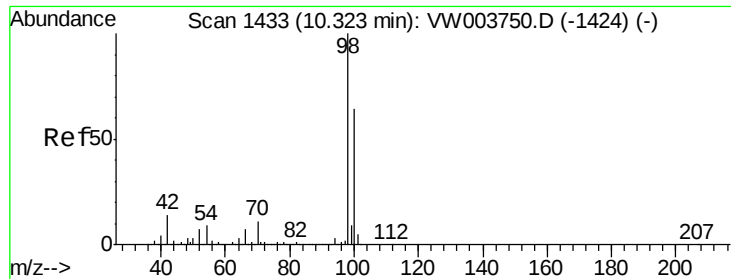
Tot Ion: 75 Resp: 13051
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.9 50.6#
 77 0.2 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.09 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.12 min
 Lab File: VW003861.D
 Acq: 11 Jul 2018 09:06

Tgt Ion: 117 Resp: 15531
 Ion Ratio Lower Upper
 117 100
 119 6.0 77.4 116.2#
 121 0.0 24.6 37.0#

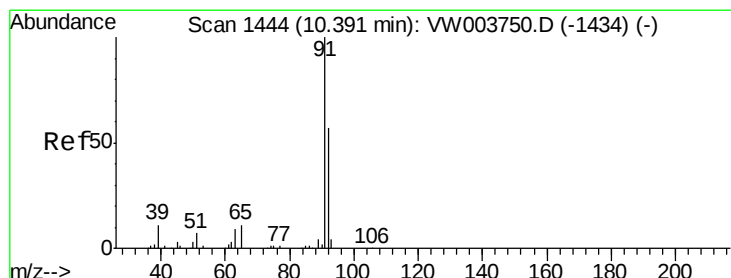
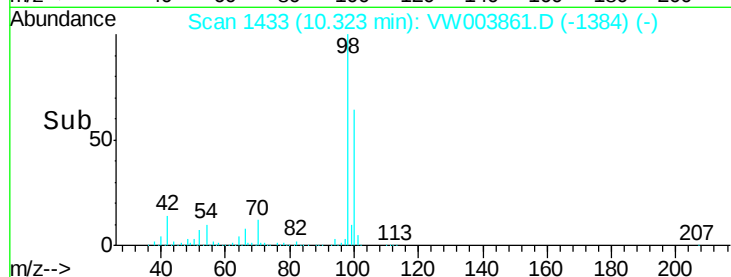
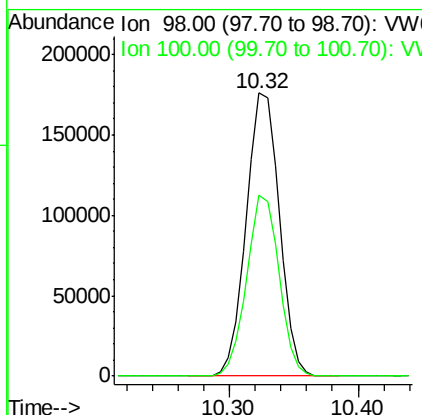
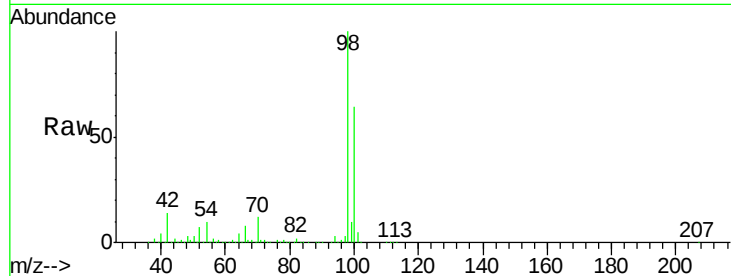




#50
Toluene-d8
Concen: 46.23 ug/l
RT: 10.32 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VW003861.D
Acq: 11 Jul 2018 09:06

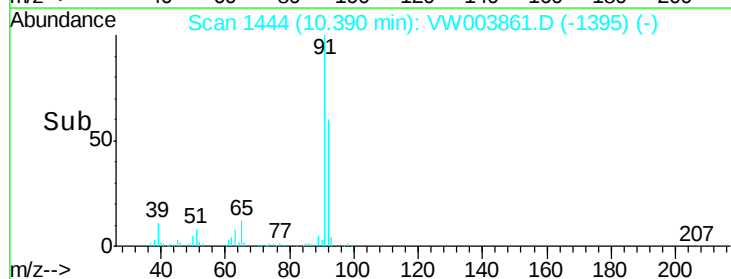
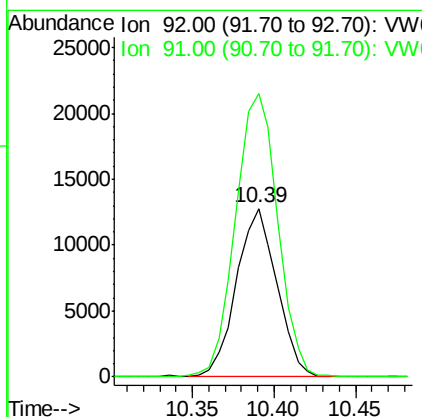
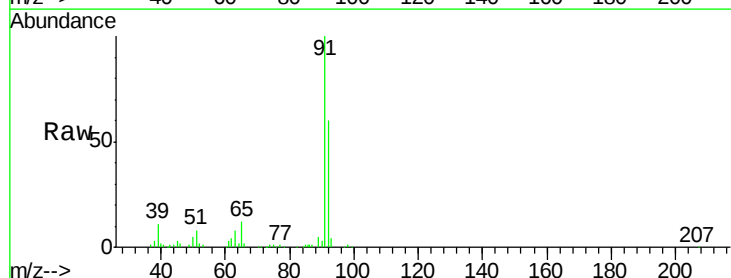
Instrument :
MSVOA_W
ClientSampleId :
HD-02-071018

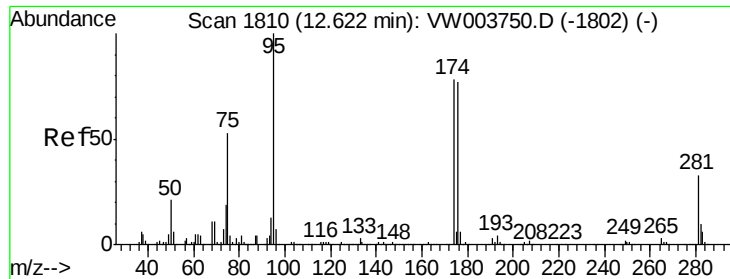
Tot Ion: 98 Resp: 312733
Ion Ratio Lower Upper
98 100
100 62.4 50.8 76.2



#52
Toluene
Concen: 4.63 ug/l
RT: 10.39 min Scan# 1444
Delta R.T. -0.00 min
Lab File: VW003861.D
Acq: 11 Jul 2018 09:06

Tgt Ion: 92 Resp: 22024
Ion Ratio Lower Upper
92 100
91 176.0 140.6 211.0

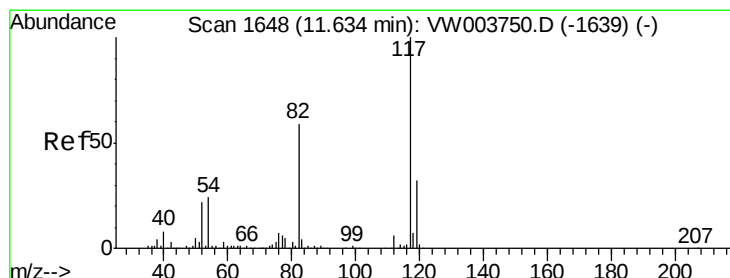
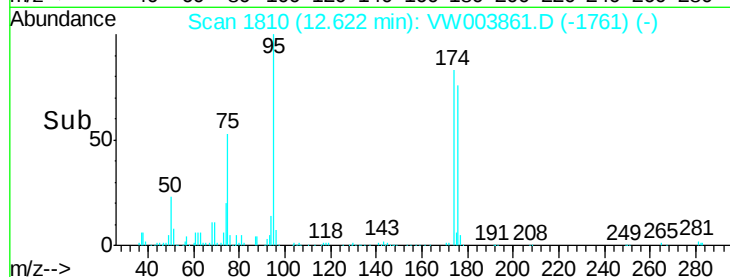
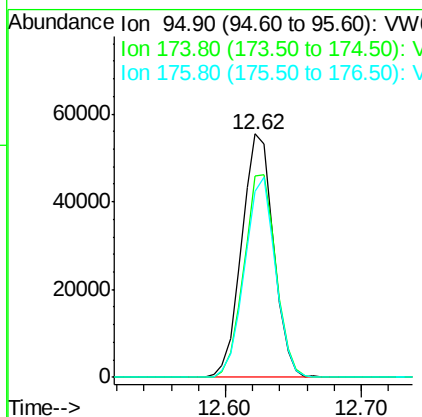
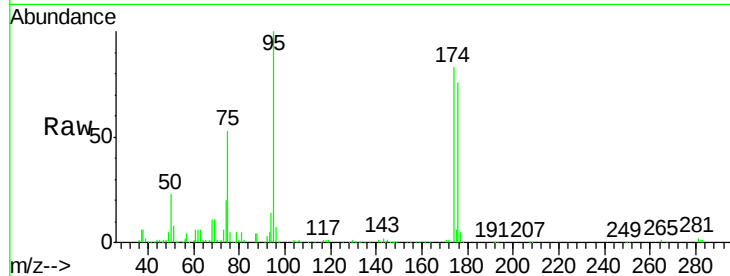




#62
4-Bromofluorobenzene
Concen: 37.02 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003861.D
Acq: 11 Jul 2018 09:06

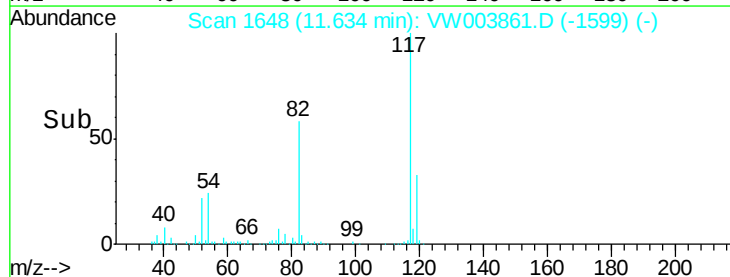
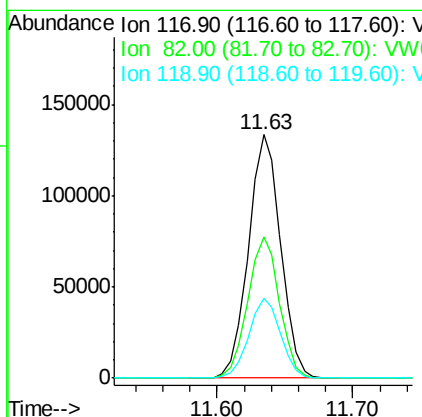
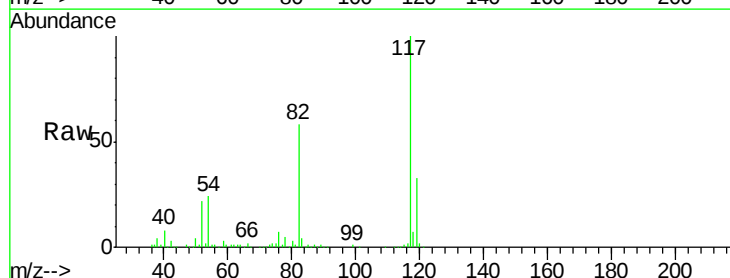
Instrument :
MSVOA_W
ClientSampleId :
HD-02-071018

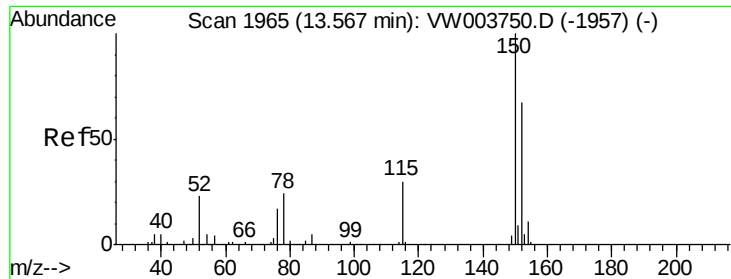
Tot Ion: 95 Resp: 90618
Ion Ratio Lower Upper
95 100
174 83.7 0.0 163.4
176 79.6 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003861.D
Acq: 11 Jul 2018 09:06

Tgt Ion: 117 Resp: 221006
Ion Ratio Lower Upper
117 100
82 58.2 46.9 70.3
119 32.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003861.D

Acq: 11 Jul 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

HD-02-071018

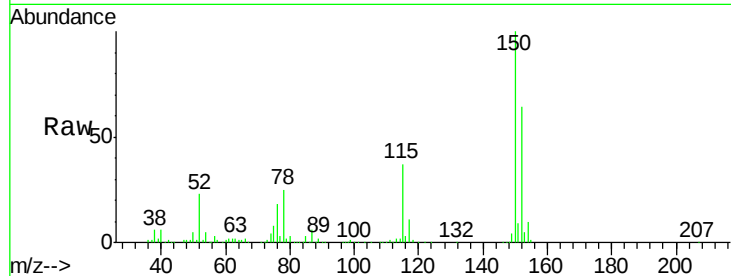
Tot Ion:152 Resp: 85261

Ion Ratio Lower Upper

152 100

115 59.2 28.9 86.8

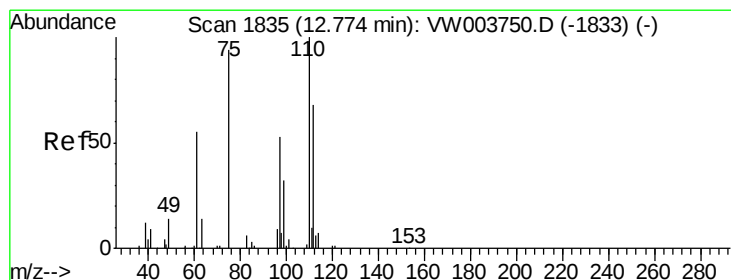
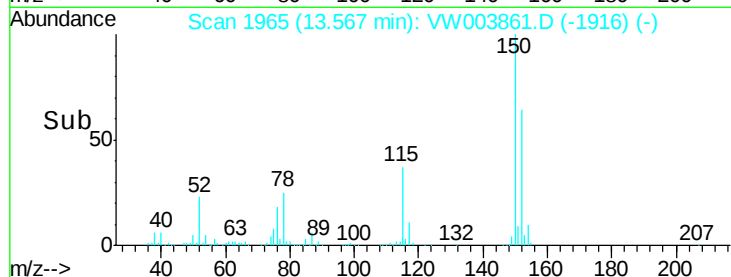
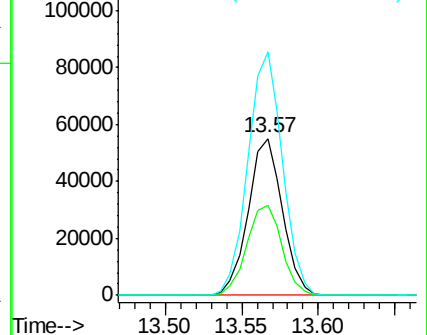
150 157.1 0.0 342.4



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: 58.04 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003861.D

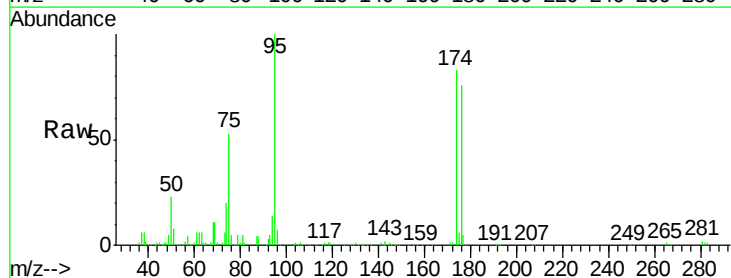
Acq: 11 Jul 2018 09:06

Tgt Ion: 75 Resp: 48593

Ion Ratio Lower Upper

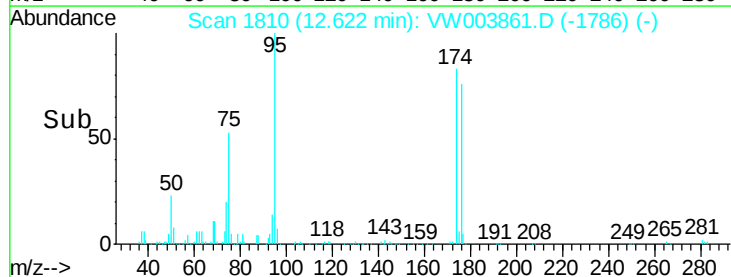
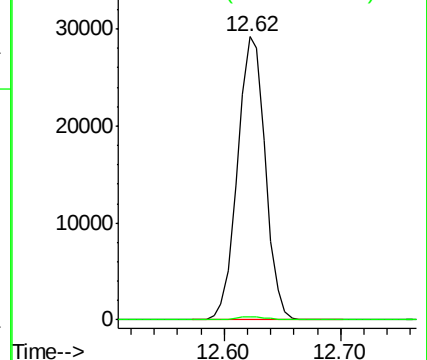
75 100

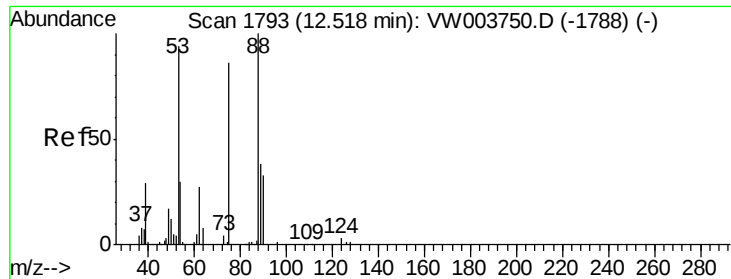
77 1.3 0.0 0.0#



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: 141.98 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003861.D

Acq: 11 Jul 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

HD-02-071018

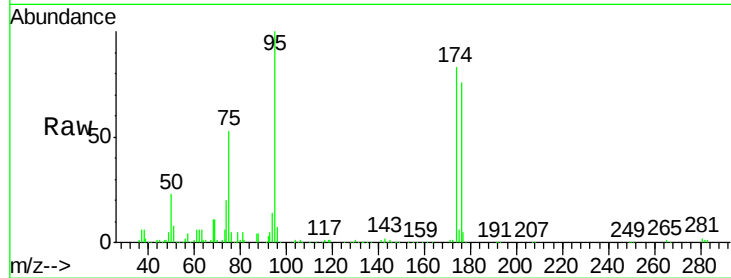
Tot Ion: 75 Resp: 48593

Ion Ratio Lower Upper

75 100

53 0.3 85.0 127.6#

89 0.0 36.3 54.5#



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

