

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW004011.D
 Acq On : 18 Jul 2018 04:45
 Operator : VA/AP
 Sample : J3831-01RE
 Misc : 6.03G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-04-071218RE

Quant Time: Jul 18 07:43:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	175200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	315908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	206598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	99971	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	132491	67.65	ug/l	0.00
Spiked Amount			Recovery	=	135.30%	
35) Dibromofluoromethane	7.88	113	113087	55.79	ug/l	0.00
Spiked Amount			Recovery	=	111.58%	
50) Toluene-d8	10.33	98	155095	19.72	ug/l	0.00
Spiked Amount			Recovery	=	39.44%	
62) 4-Bromofluorobenzene	12.63	95	110869	39.09	ug/l	0.00
Spiked Amount			Recovery	=	78.18%	

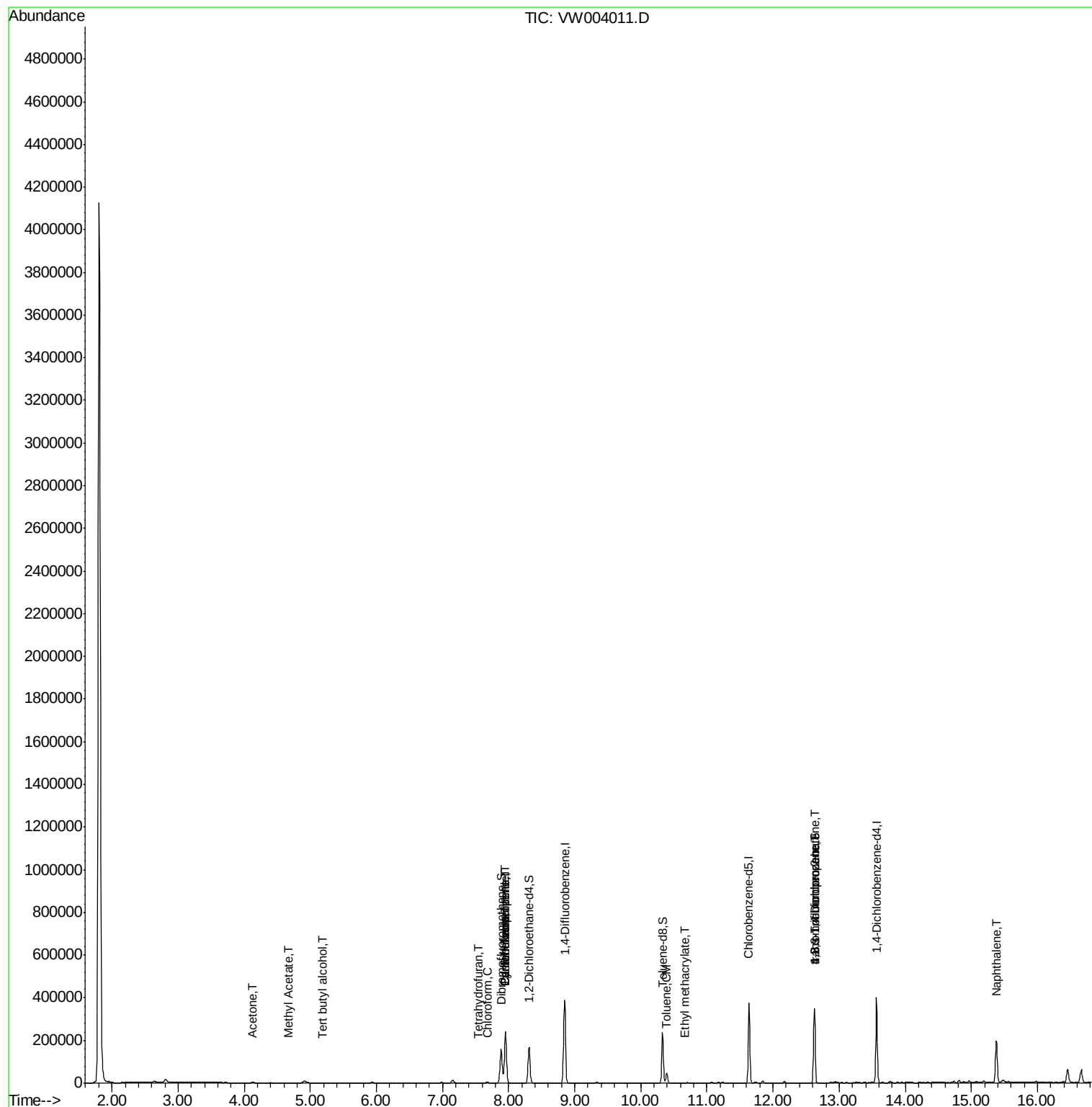
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	243	1.797	ug/l #	72
16) Acetone	4.12	43	6434	13.672	ug/l	99
18) Methyl Acetate	4.67	43	2737	2.423	ug/l	99
20) Methylene Chloride	4.91	84	8593	Below Cal		91
29) Tetrahydrofuran	7.55	42	452	1.146	ug/l #	53
30) Chloroform	7.67	83	4380	1.271	ug/l	93
31) Cyclohexane	7.95	56	5029	1.548	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	14964	4.604	ug/l #	50
38) Carbon Tetrachloride	7.95	117	18361	6.046	ug/l #	17
52) Toluene	10.39	92	18481	3.314	ug/l	99
56) Ethyl methacrylate	10.66	69	57	2.968	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	57869	58.307	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57869	128.974	ug/l #	11
95) Naphthalene	15.38	128	165068	42.334	ug/l	99

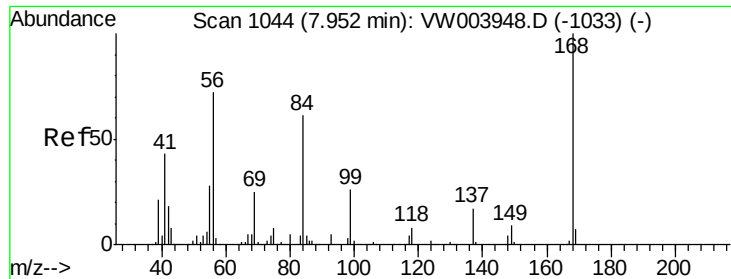
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004011.D

Acq: 18 Jul 2018 04:45

Instrument :

MSVOA_W

ClientSampleId :

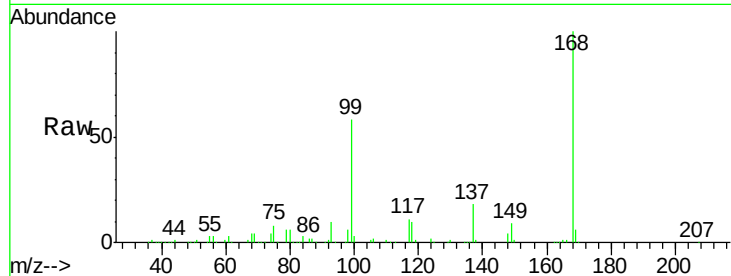
SU-04-071218RE

Tot Ion:168 Resp: 175200

Ion Ratio Lower Upper

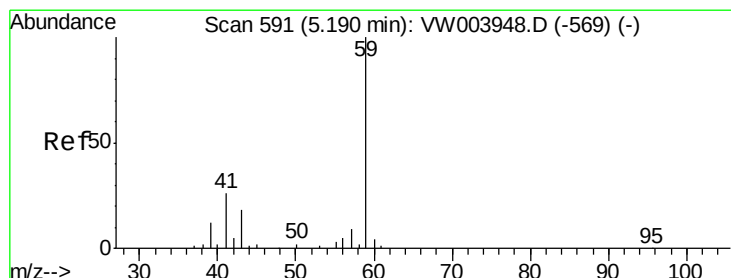
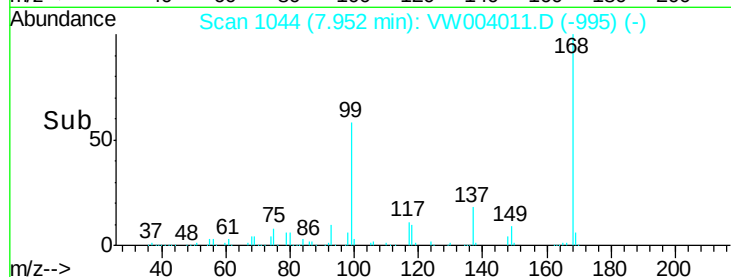
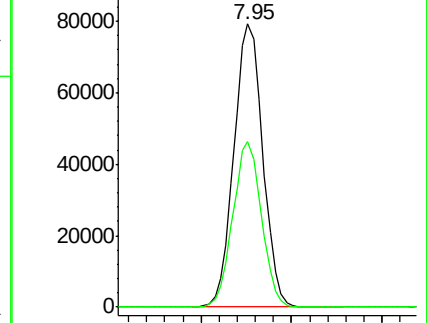
168 100

99 58.5 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.797 ug/l

RT: 5.20 min Scan# 592

Delta R.T. 0.01 min

Lab File: VW004011.D

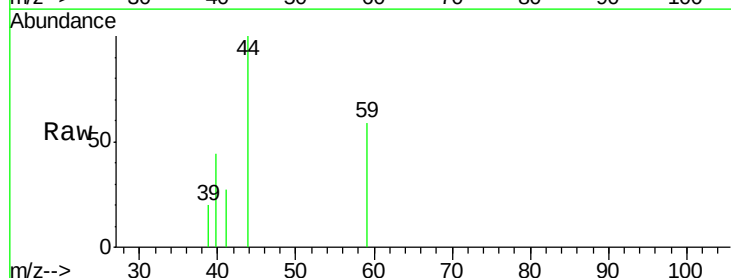
Acq: 18 Jul 2018 04:45

Tgt Ion: 59 Resp: 243

Ion Ratio Lower Upper

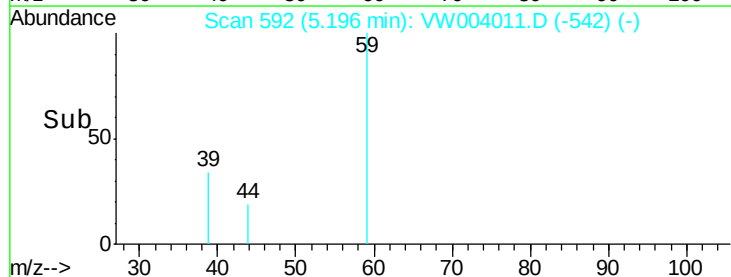
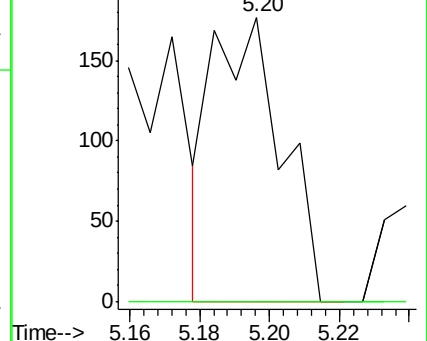
59 100

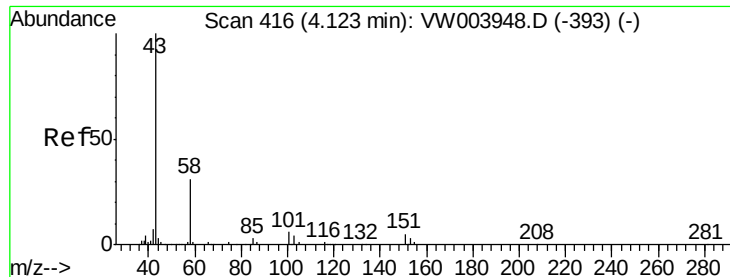
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 13.672 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004011.D

Acq: 18 Jul 2018 04:45

Instrument :

MSVOA_W

ClientSampleId :

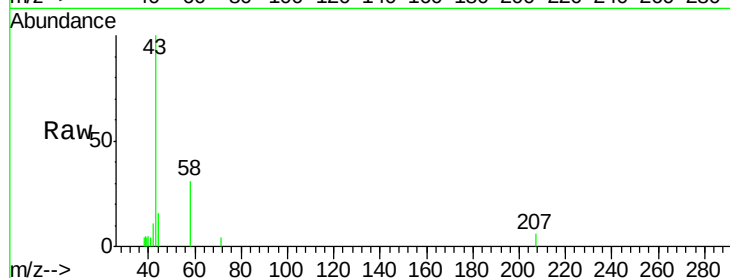
SU-04-071218RE

Tot Ion: 43 Resp: 6434

Ion Ratio Lower Upper

43 100

58 31.1 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

2500

2000

1500

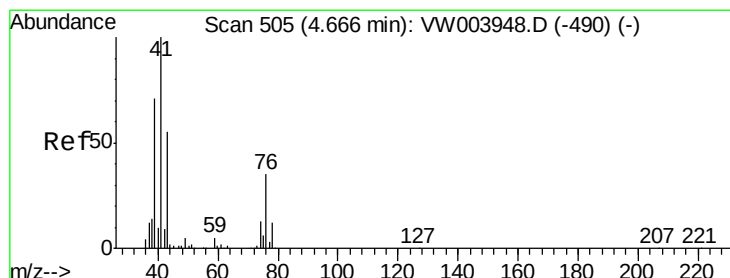
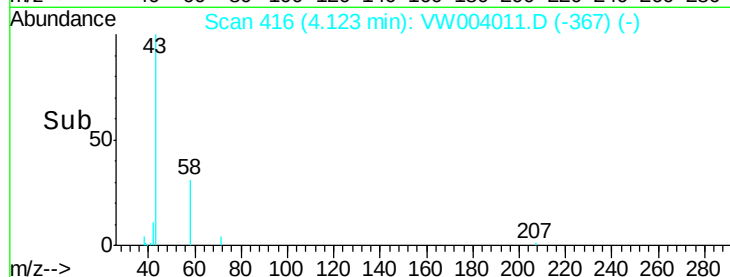
1000

500

0

Time-->

4.00 4.10 4.20



#18

Methyl Acetate

Concen: 2.423 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.00 min

Lab File: VW004011.D

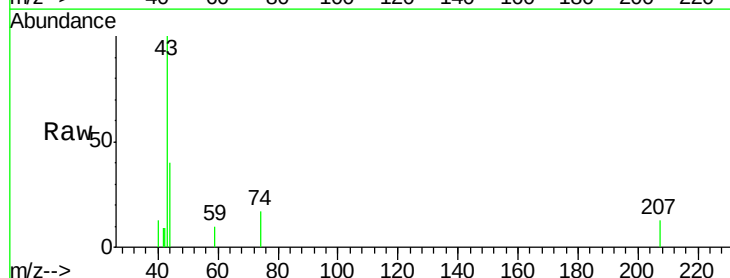
Acq: 18 Jul 2018 04:45

Tgt Ion: 43 Resp: 2737

Ion Ratio Lower Upper

43 100

74 21.5 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

1000

800

600

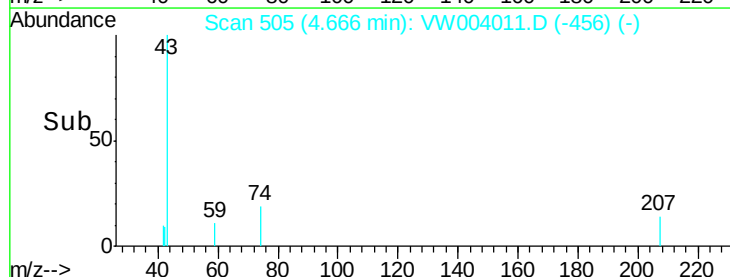
400

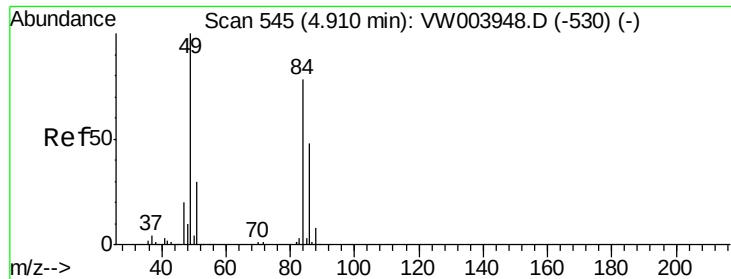
200

0

Time-->

4.60 4.70 4.80

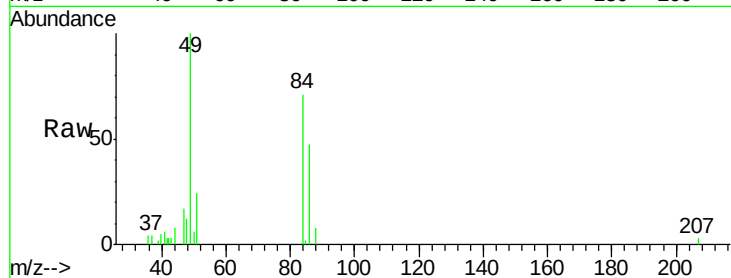




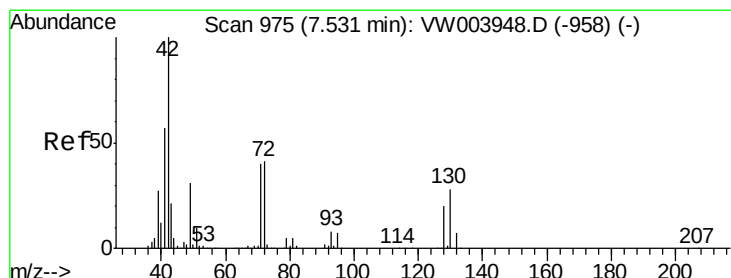
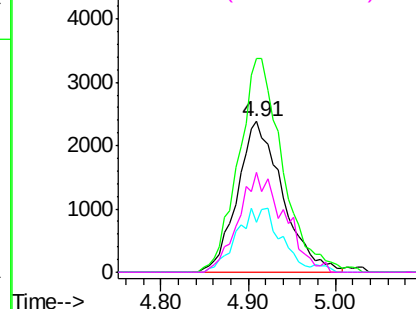
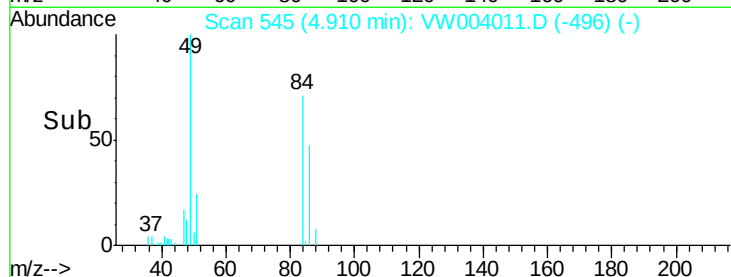
#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004011.D
Acq: 18 Jul 2018 04:45

Instrument :
MSVOA_W
ClientSampleId :
SU-04-071218RE

Tot Ion: 84 Resp: 8593
Ion Ratio Lower Upper
84 100
49 141.6 102.9 154.3
51 33.3 30.9 46.3
86 66.5 49.9 74.9

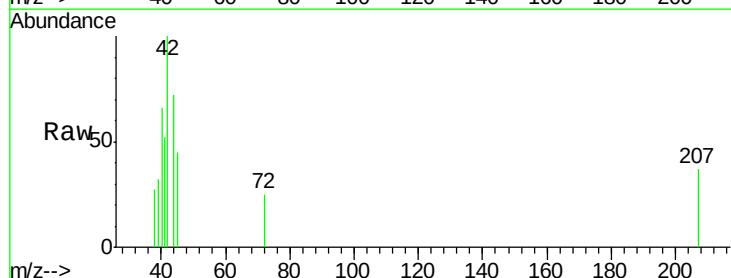


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

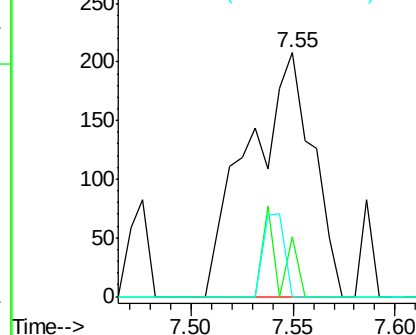
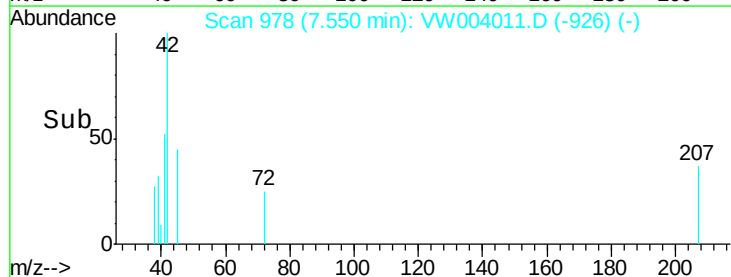


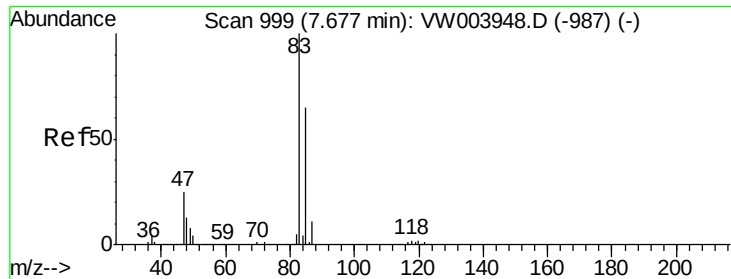
#29
Tetrahydrofuran
Concen: 1.146 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.02 min
Lab File: VW004011.D
Acq: 18 Jul 2018 04:45

Tgt Ion: 42 Resp: 452
Ion Ratio Lower Upper
42 100
72 10.4 32.6 48.8#
71 11.3 30.5 45.7#



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

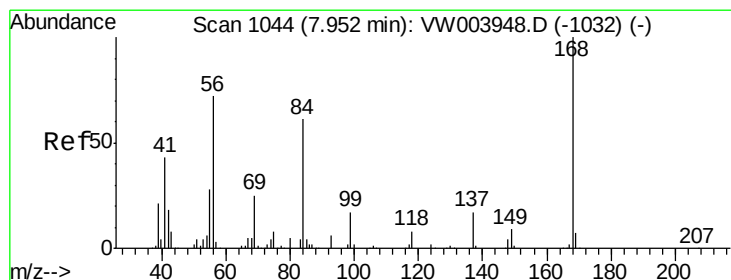
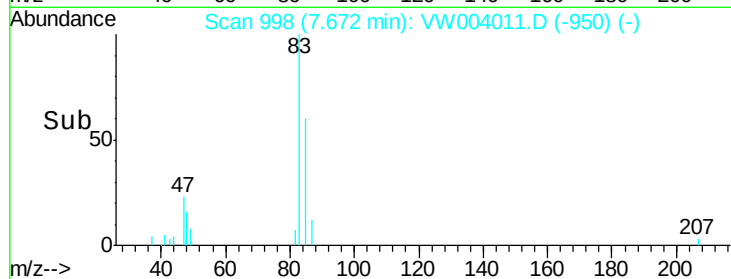
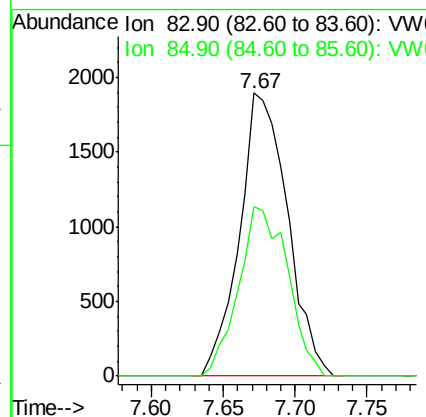
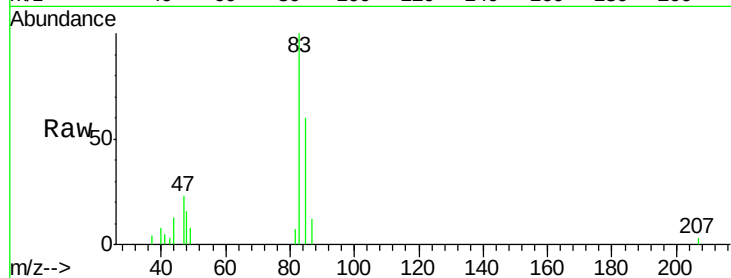




#30
Chloroform
Concen: 1.271 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW004011.D
Acq: 18 Jul 2018 04:45

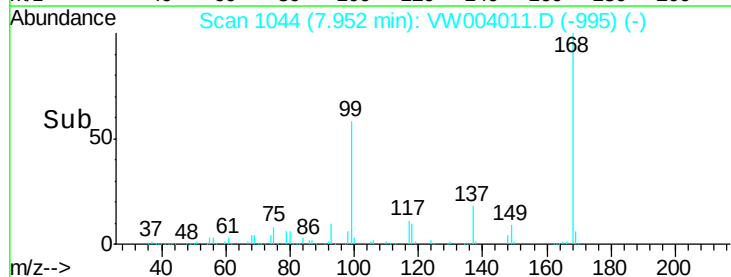
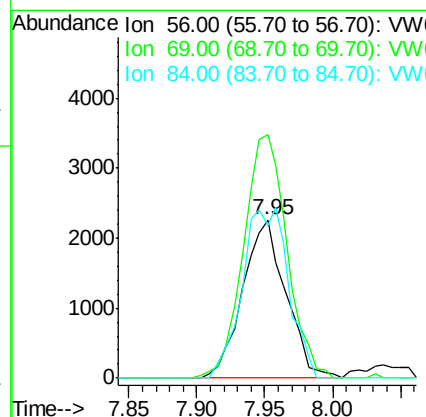
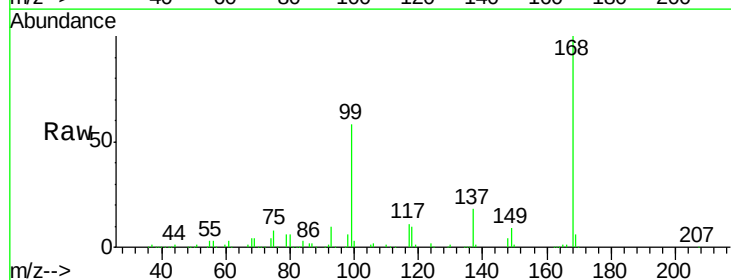
Instrument :
MSVOA_W
ClientSampleId :
SU-04-071218RE

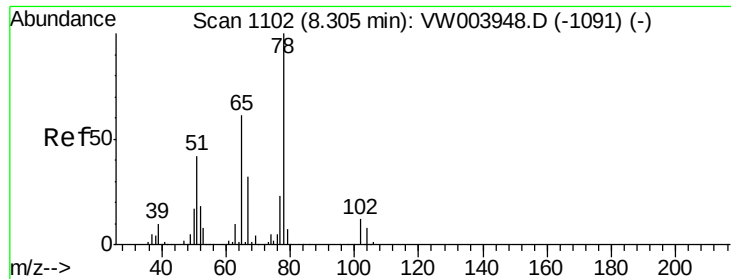
Tot Ion: 83 Resp: 4380
Ion Ratio Lower Upper
83 100
85 59.7 52.2 78.4



#31
Cyclohexane
Concen: 1.548 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW004011.D
Acq: 18 Jul 2018 04:45

Tgt Ion: 56 Resp: 5029
Ion Ratio Lower Upper
56 100
69 153.8 27.8 41.8#
84 96.6 67.2 100.8

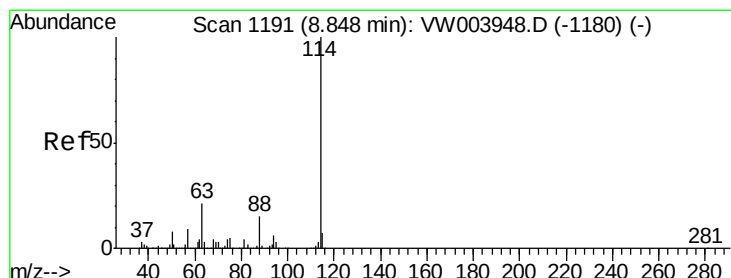
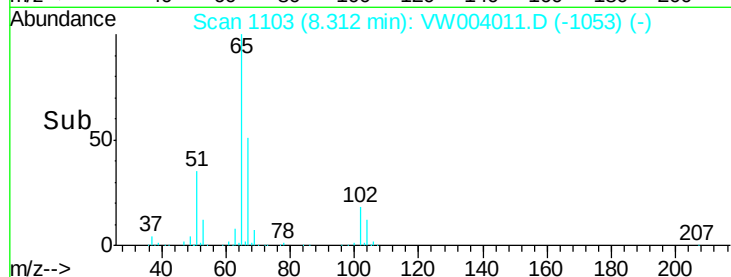
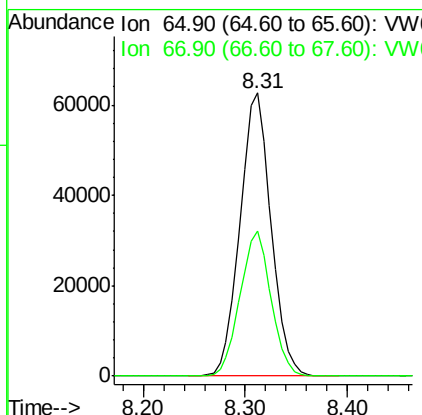
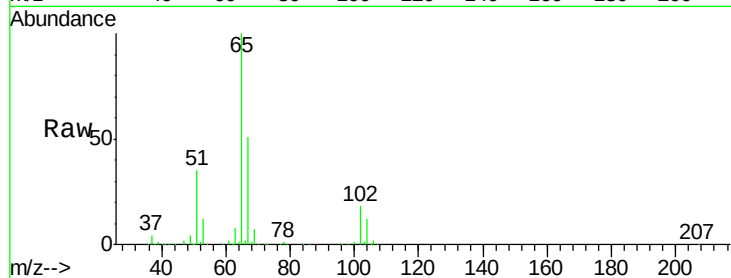




#33
 1,2-Dichloroethane-d4
 Concen: 67.653 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW004011.D
 Acq: 18 Jul 2018 04:45

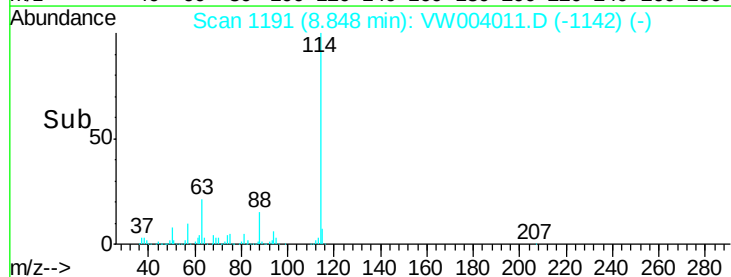
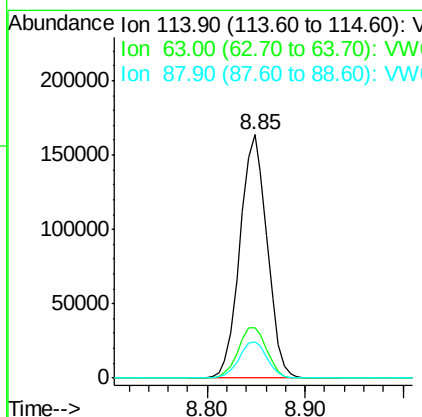
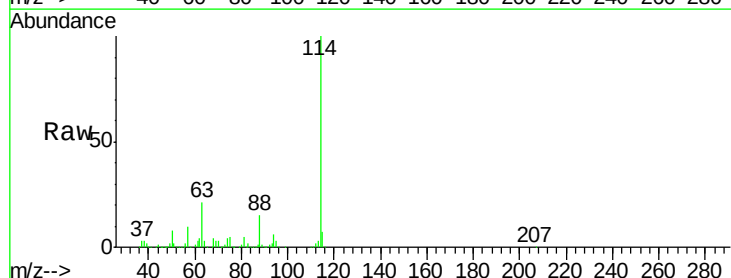
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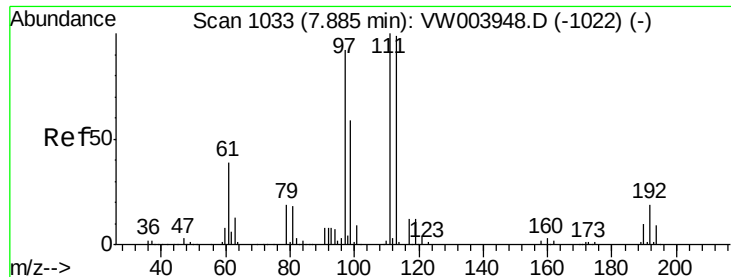
Tot Ion: 65 Resp: 132491
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004011.D
 Acq: 18 Jul 2018 04:45

Tgt Ion: 114 Resp: 315908
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.8
 88 14.8 0.0 30.4

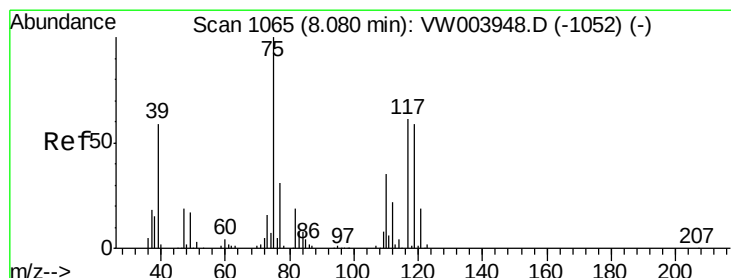
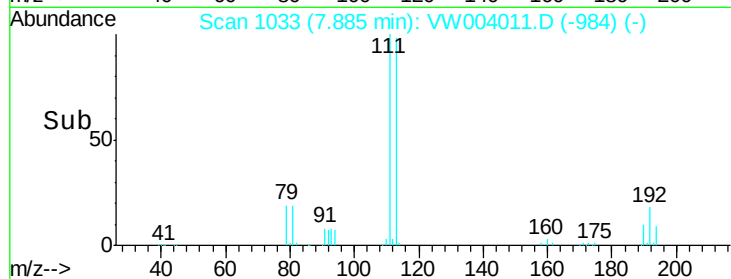
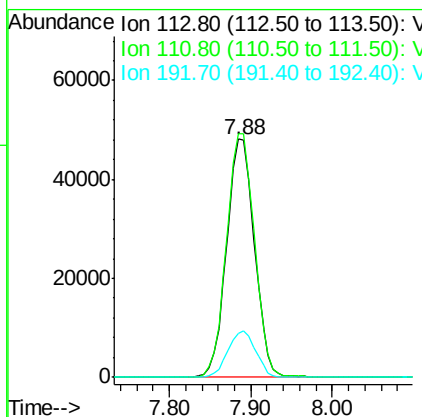
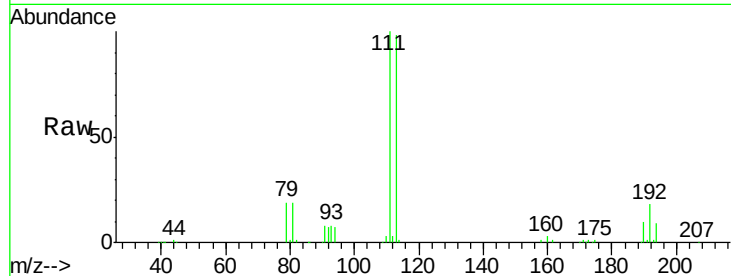




#35
 Dibromofluoromethane
 Concen: 55.792 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004011.D
 Acq: 18 Jul 2018 04:45

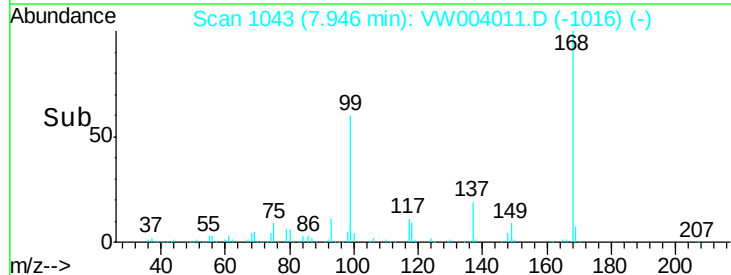
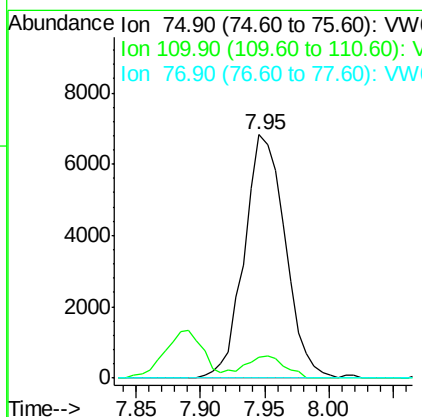
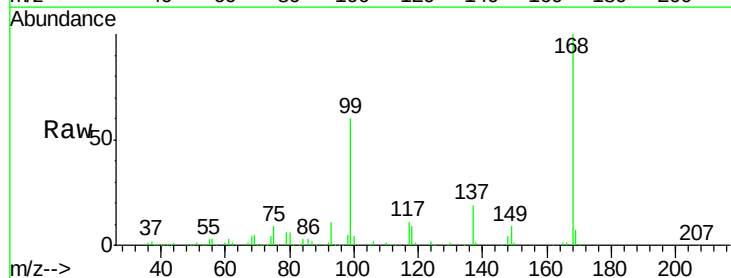
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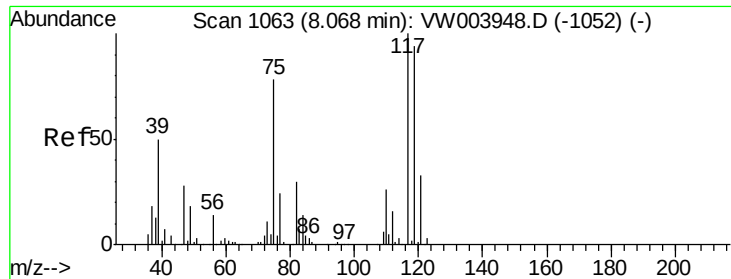
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.3	121.9
192	19.6	15.8	23.6



#36
 1,1-Dichloropropene
 Concen: 4.604 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW004011.D
 Acq: 18 Jul 2018 04:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.0	51.0#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.046 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004011.D

Acq: 18 Jul 2018 04:45

Instrument :

MSVOA_W

ClientSampleId :

SU-04-071218RE

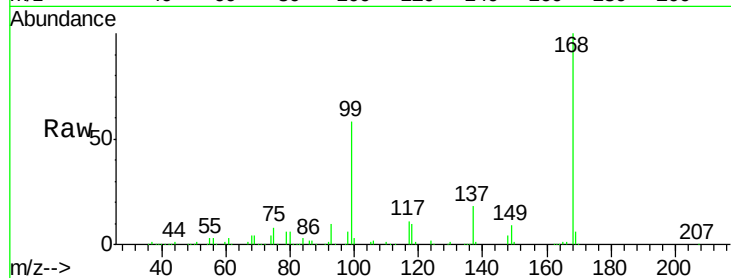
Tot Ion:117 Resp: 18361

Ion Ratio Lower Upper

117 100

119 5.8 75.3 112.9#

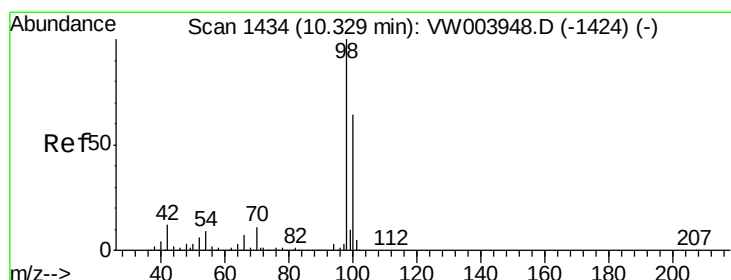
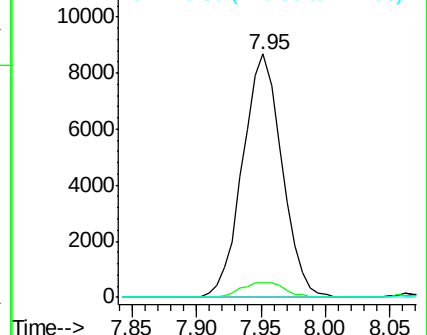
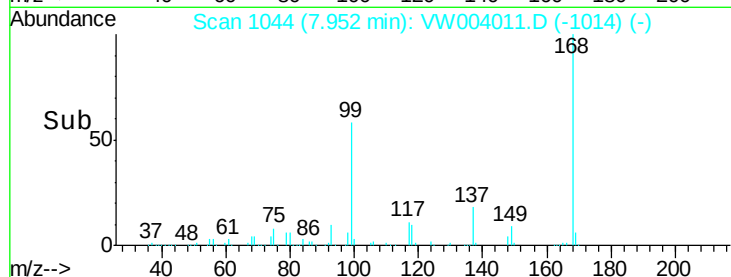
121 0.0 26.0 39.0#



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



#50

Toluene-d8

Concen: 19.720 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004011.D

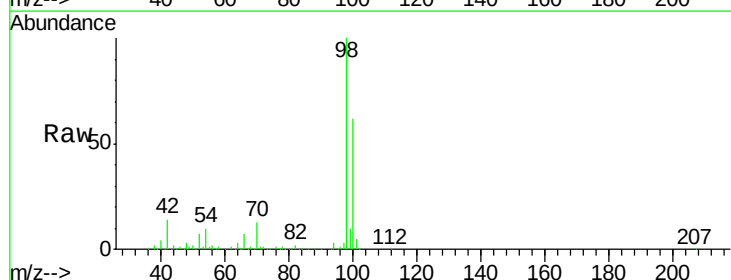
Acq: 18 Jul 2018 04:45

Tgt Ion: 98 Resp: 155095

Ion Ratio Lower Upper

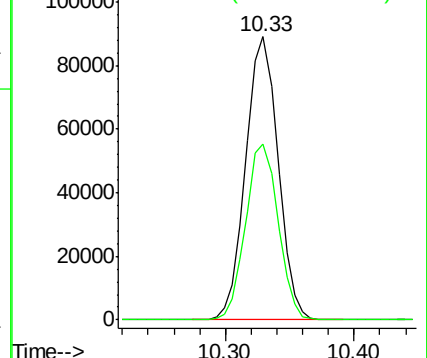
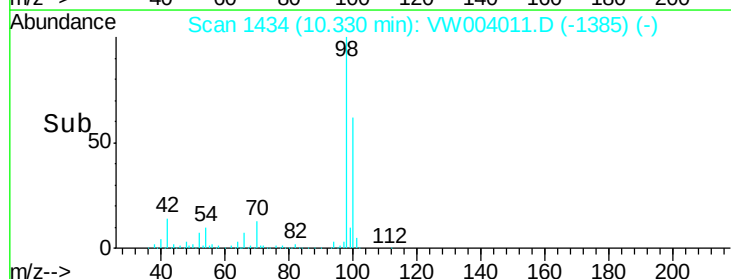
98 100

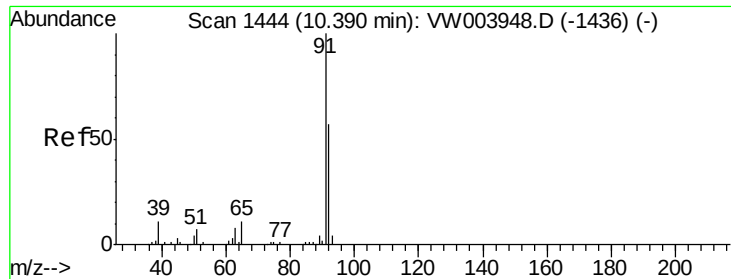
100 62.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 3.314 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004011.D

Acq: 18 Jul 2018 04:45

Instrument :

MSVOA_W

ClientSampleId :

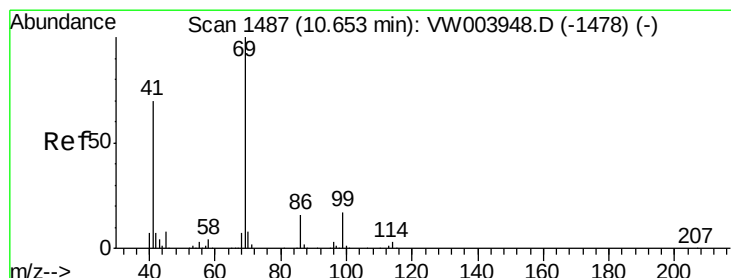
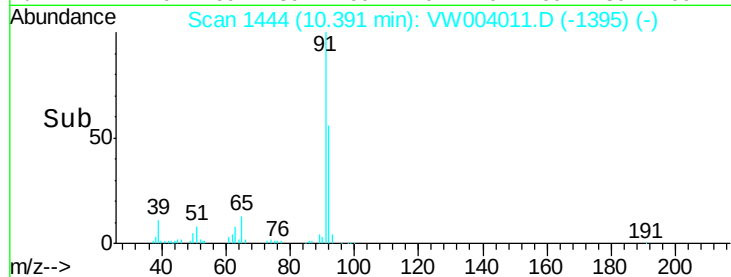
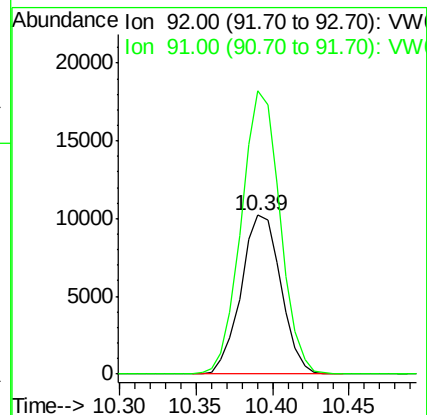
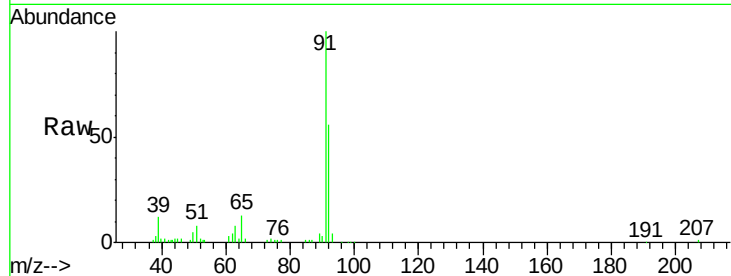
SU-04-071218RE

Tot Ion: 92 Resp: 18481

Ion Ratio Lower Upper

92 100

91 173.4 139.6 209.4



#56

Ethyl methacrylate

Concen: 2.968 ug/l

RT: 10.66 min Scan# 1489

Delta R.T. 0.01 min

Lab File: VW004011.D

Acq: 18 Jul 2018 04:45

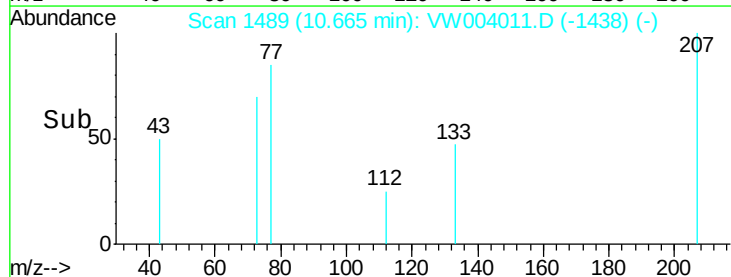
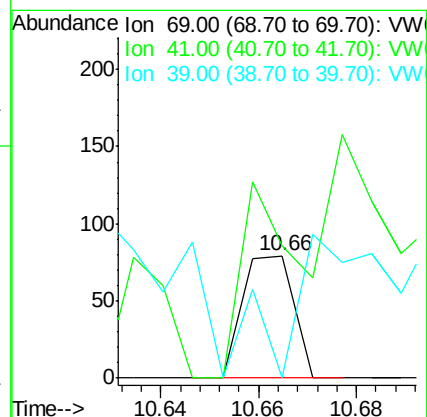
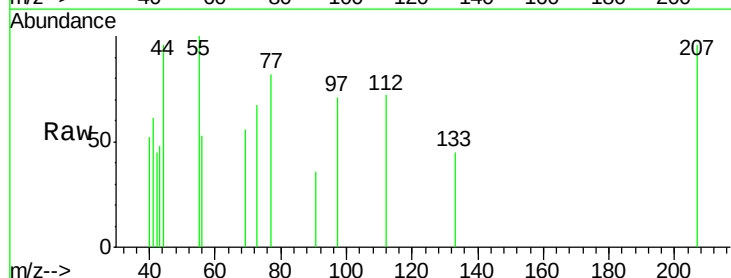
Tgt Ion: 69 Resp: 57

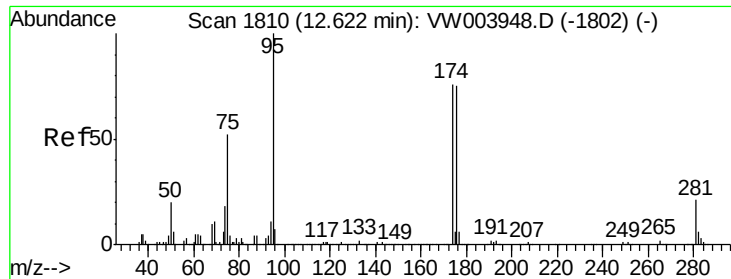
Ion Ratio Lower Upper

69 100

41 517.5 56.5 84.7#

39 0.0 30.2 45.4#

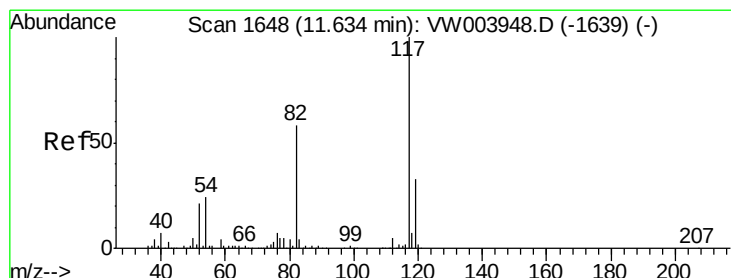
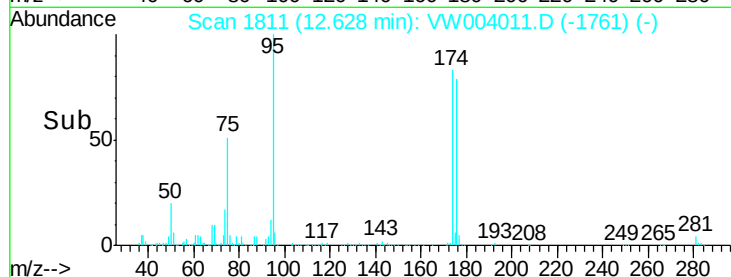
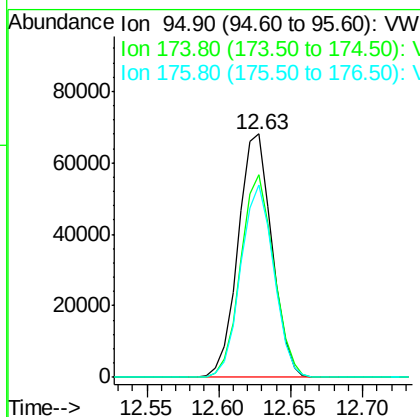
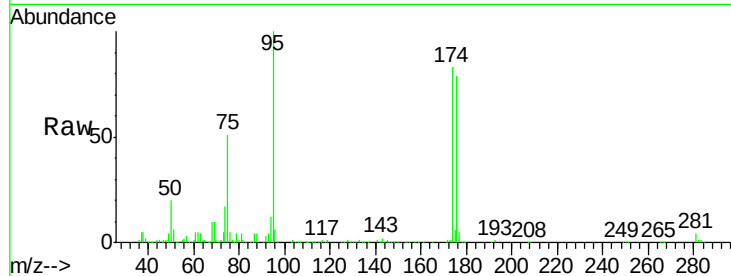




#62
4-Bromofluorobenzene
Concen: 39.092 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW004011.D
Acq: 18 Jul 2018 04:45

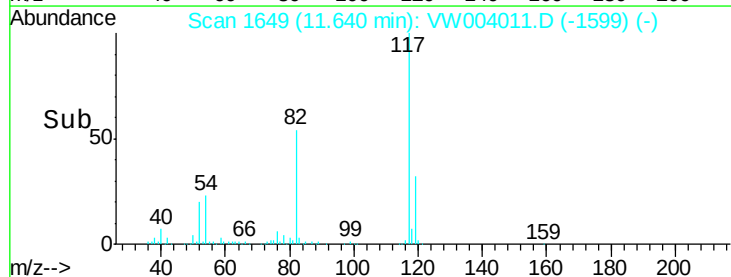
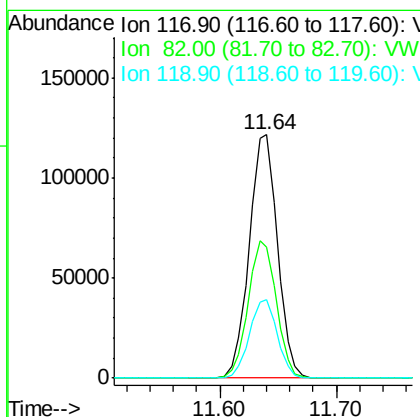
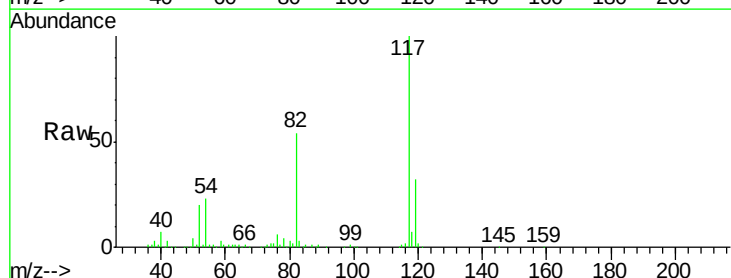
Instrument :
MSVOA_W
ClientSampleId :
SU-04-071218RE

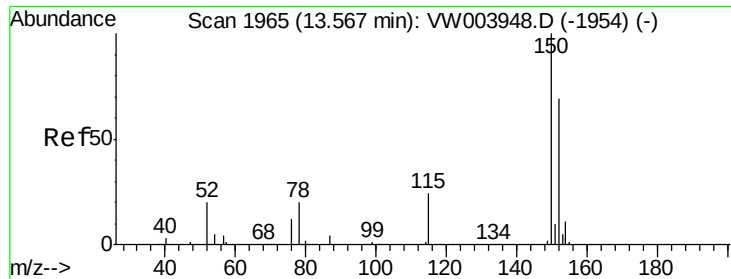
Tot Ion: 95 Resp: 110869
Ion Ratio Lower Upper
95 100
174 81.6 0.0 160.2
176 77.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW004011.D
Acq: 18 Jul 2018 04:45

Tgt Ion: 117 Resp: 206598
Ion Ratio Lower Upper
117 100
82 53.9 46.5 69.7
119 32.2 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004011.D

Acq: 18 Jul 2018 04:45

Instrument :

MSVOA_W

ClientSampleId :

SU-04-071218RE

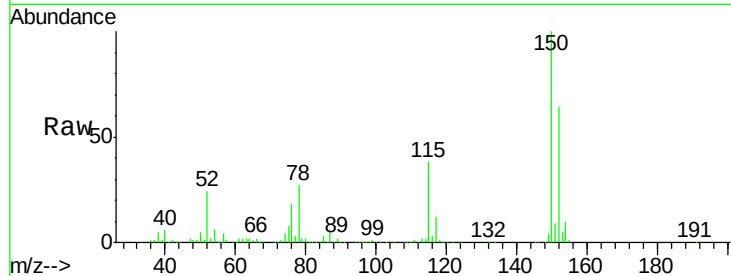
Tot Ion:152 Resp: 99971

Ion Ratio Lower Upper

152 100

115 59.1 29.2 87.6

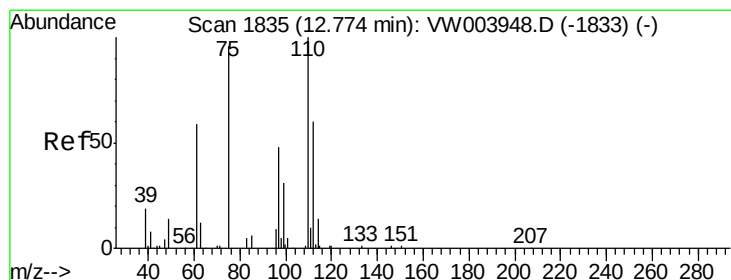
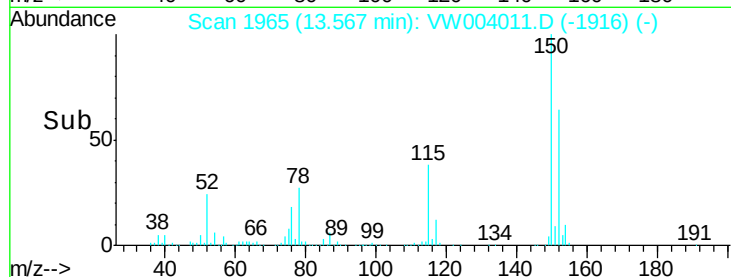
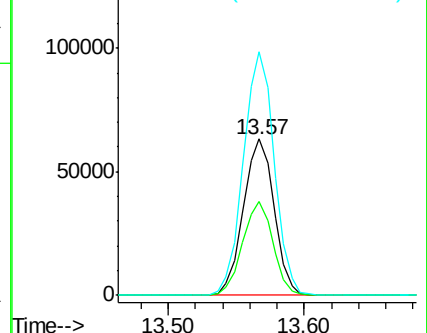
150 156.6 0.0 345.2



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: 58.307 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004011.D

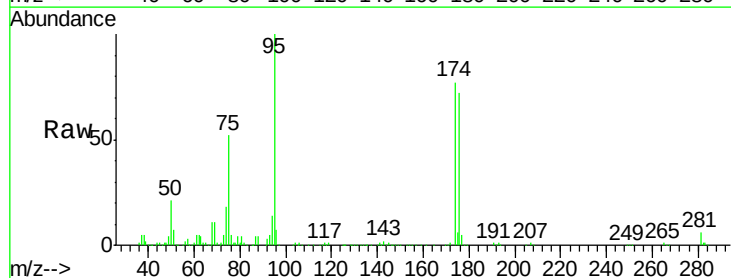
Acq: 18 Jul 2018 04:45

Tgt Ion: 75 Resp: 57869

Ion Ratio Lower Upper

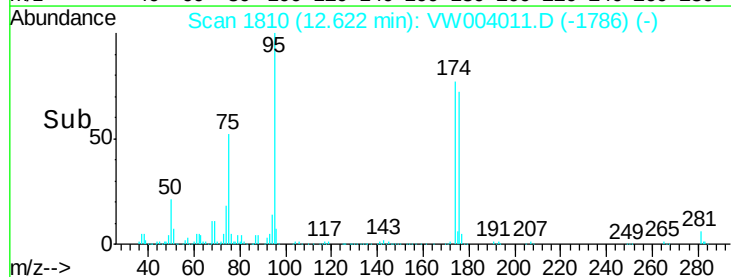
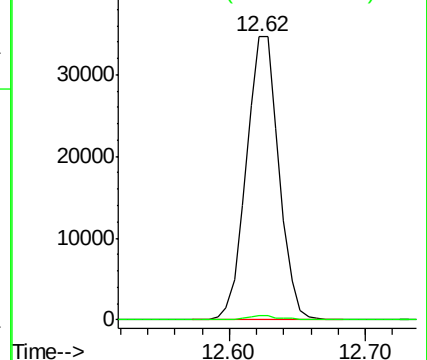
75 100

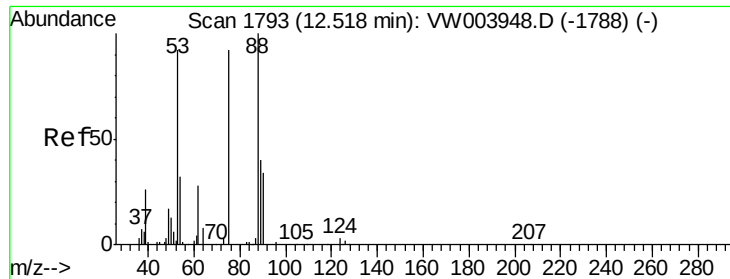
77 1.5 0.0 0.0#



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: 128.974 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004011.D

Acq: 18 Jul 2018 04:45

Instrument :

MSVOA_W

ClientSampleId :

SU-04-071218RE

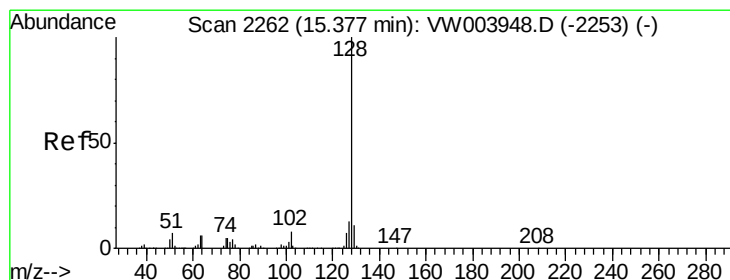
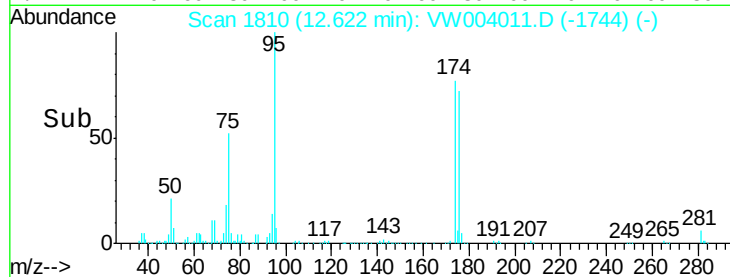
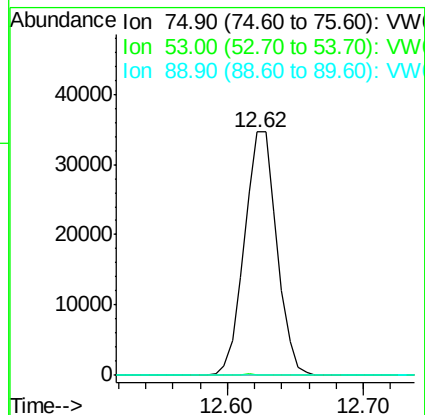
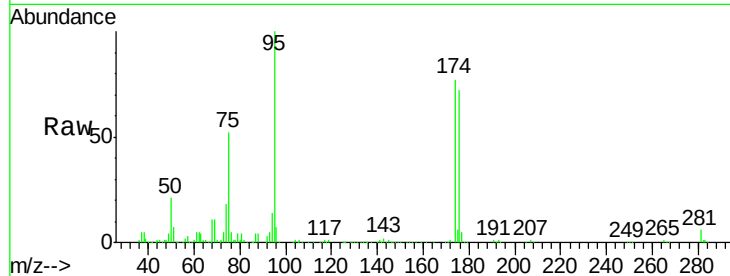
Tot Ion: 75 Resp: 57869

Ion Ratio Lower Upper

75 100

53 0.3 77.6 116.4#

89 0.0 36.6 54.8#



#95

Naphthalene

Concen: 42.334 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004011.D

Acq: 18 Jul 2018 04:45

Tgt Ion: 128 Resp: 165068

Ion Ratio Lower Upper

128 100

127 13.9 10.7 16.1

129 10.9 8.7 13.1

