

Data File : VW004853.D
Acq On : 21 Aug 2018 20:19
Operator : SY/AP
Sample : J4555-03
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-01-COMP

Quant Time: Aug 22 05:20:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	397856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	623264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	513451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	162446	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	231366	60.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.30%	
35) Dibromofluoromethane	7.88	113	221516	55.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.22%	
50) Toluene-d8	10.33	98	731910	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
62) 4-Bromofluorobenzene	12.62	95	184650	33.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.02%	

Target Compounds

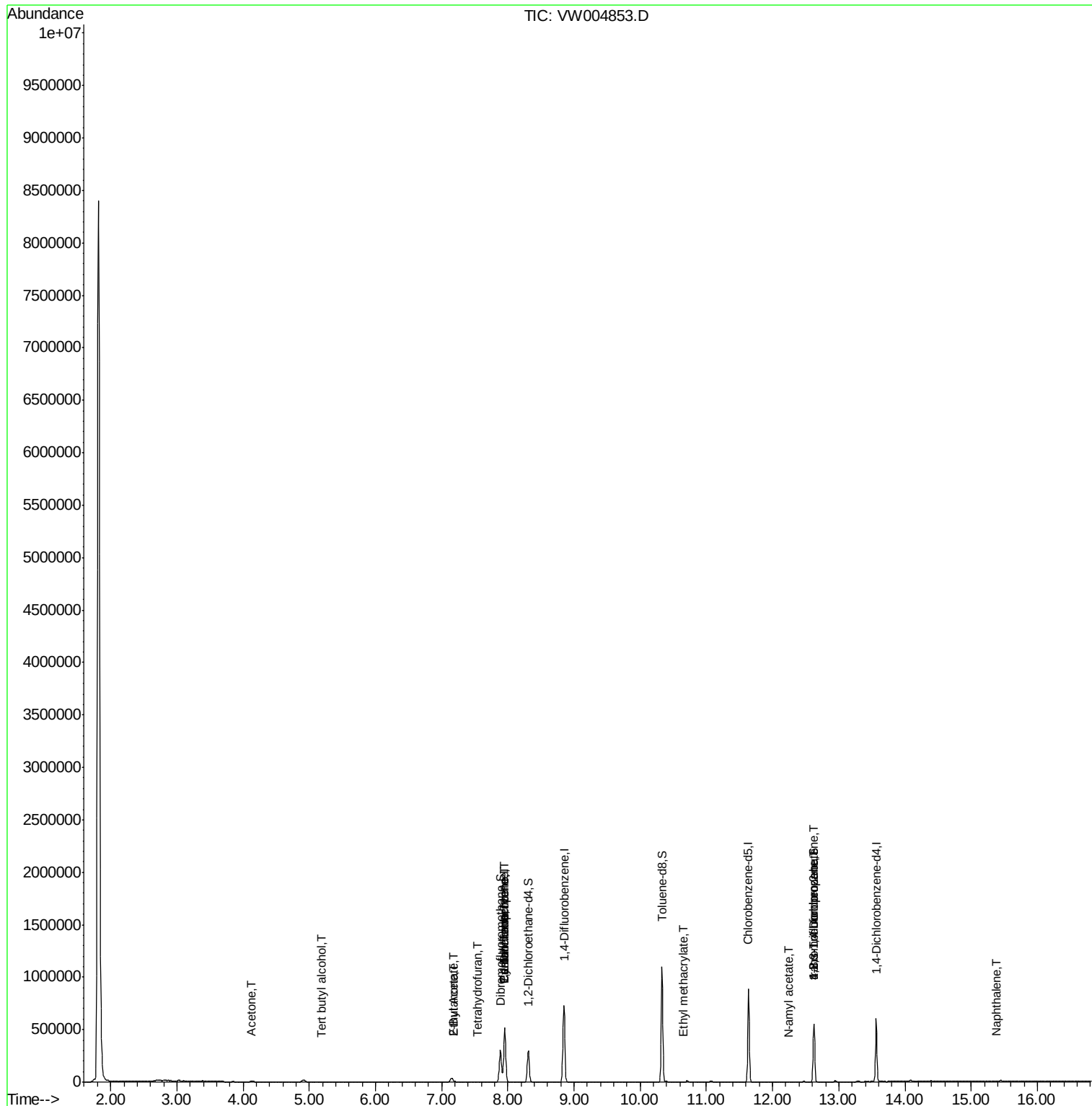
						Qvalue
11) Tert butyl alcohol	5.18	59	654	3.043	ug/l #	72
16) Acetone	4.13	43	21898	22.301	ug/l	98
20) Methylene Chloride	4.91	84	14454	Below Cal		95
25) 2-Butanone	7.19	43	7626	5.451	ug/l	93
29) Tetrahydrofuran	7.54	42	1269	1.779	ug/l #	83
31) Cyclohexane	7.95	56	7920	1.054	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	30000	4.672	ug/l #	48
37) Ethyl Acetate	7.19	43	7638	2.984	ug/l #	67
38) Carbon Tetrachloride	7.95	117	36148	6.116	ug/l #	16
56) Ethyl methacrylate	10.66	69	51	2.992	ug/l #	27
74) N-amyl acetate	12.24	43	541	4.211	ug/l #	61
76) 1,2,3-Trichloropropane	12.62	75	87342	60.993	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	87342	141.765	ug/l #	14
95) Naphthalene	15.38	128	3421	3.983	ug/l #	93

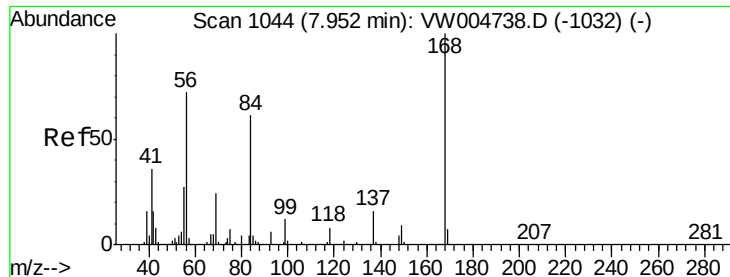
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004853.D

Acq: 21 Aug 2018 20:19

Instrument :

MSVOA_W

ClientSampleId :

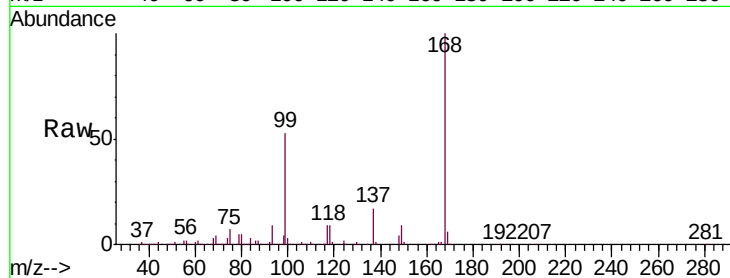
SB-01-COMP

Tgt Ion:168 Resp: 397856

Ion Ratio Lower Upper

168 100

99 53.2 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

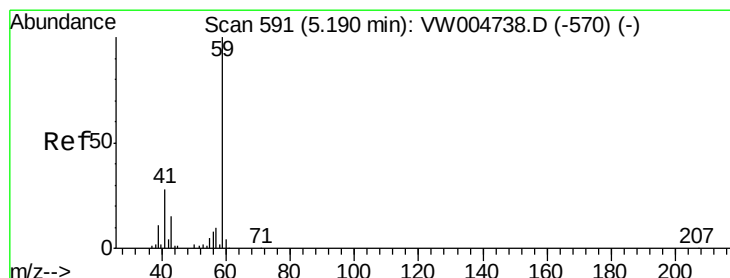
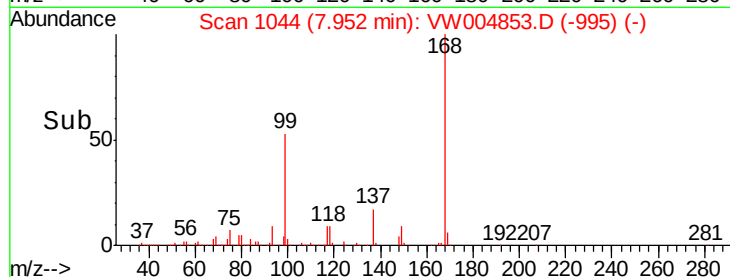
100000

50000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 3.043 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.01 min

Lab File: VW004853.D

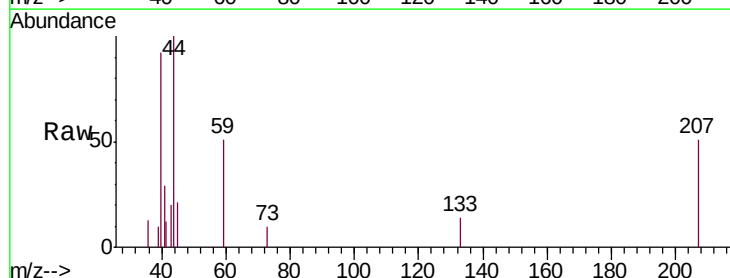
Acq: 21 Aug 2018 20:19

Tgt Ion: 59 Resp: 654

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

300

250

200

150

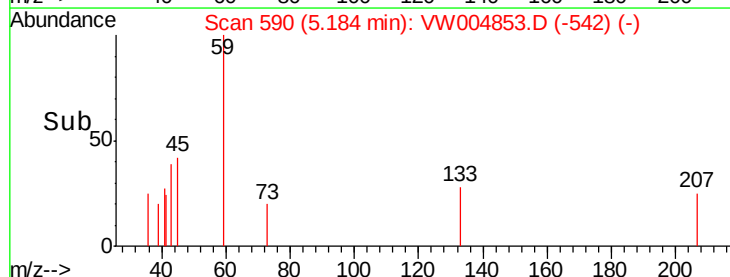
100

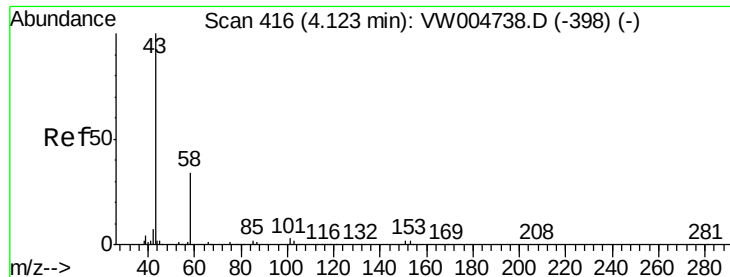
50

0

5.15 5.20 5.25

Time-->





#16

Acetone

Concen: 22.301 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW004853.D

Acq: 21 Aug 2018 20:19

Instrument :

MSVOA_W

ClientSampleId :

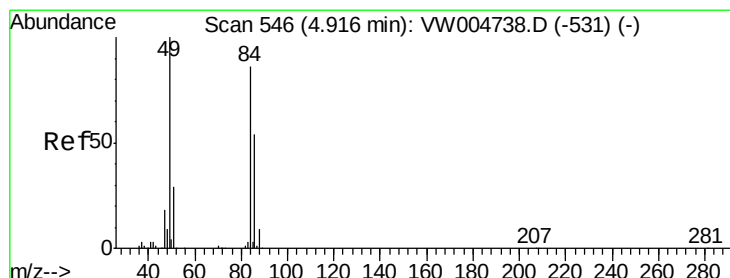
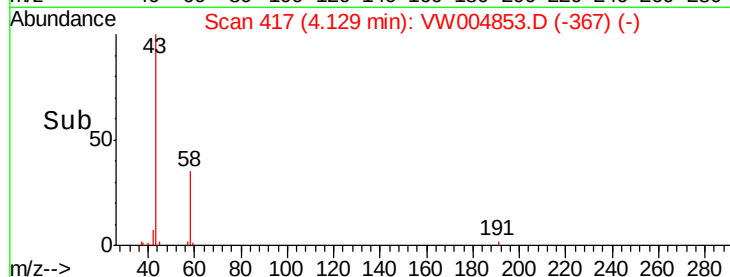
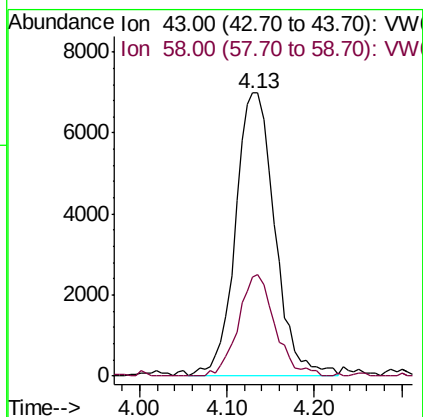
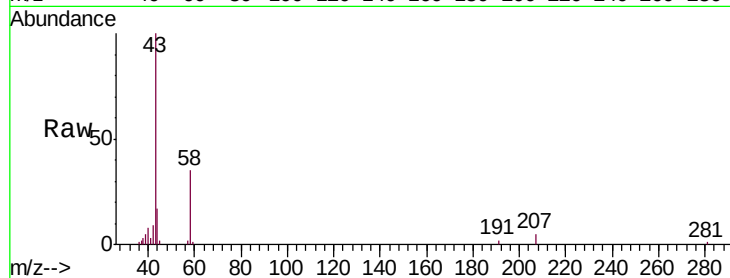
SB-01-COMP

Tgt Ion: 43 Resp: 21898

Ion Ratio Lower Upper

43 100

58 35.1 27.3 40.9



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 545

Delta R.T. -0.01 min

Lab File: VW004853.D

Acq: 21 Aug 2018 20:19

Tgt Ion: 84 Resp: 14454

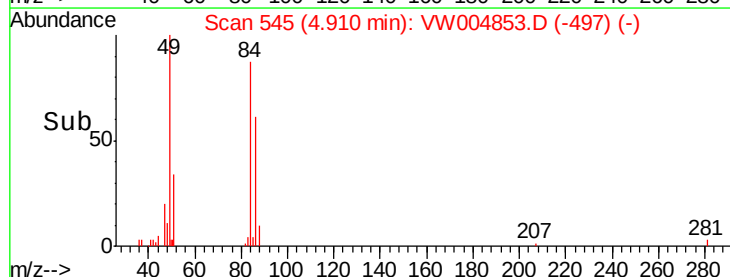
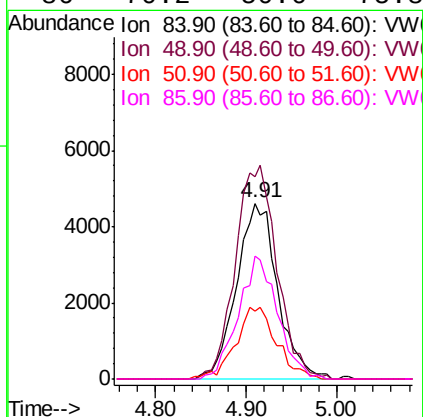
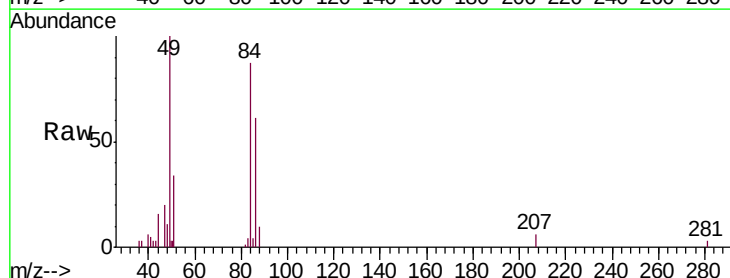
Ion Ratio Lower Upper

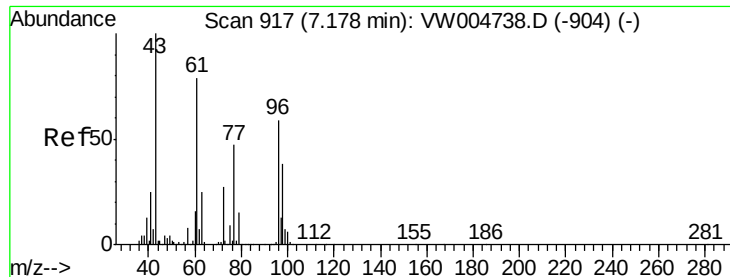
84 100

49 115.1 93.2 139.8

51 38.7 27.4 41.0

86 70.2 50.6 75.8

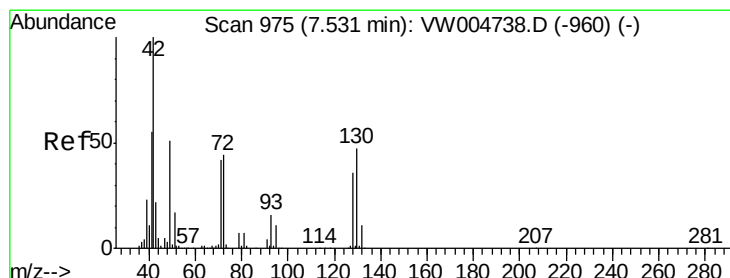
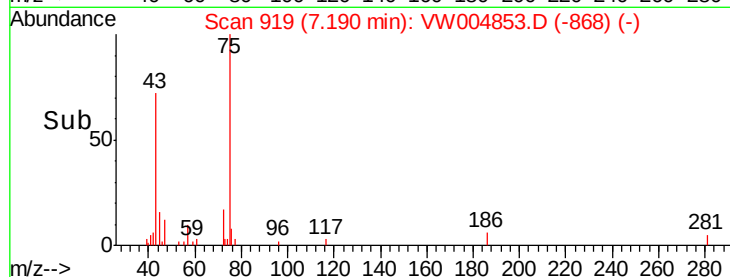
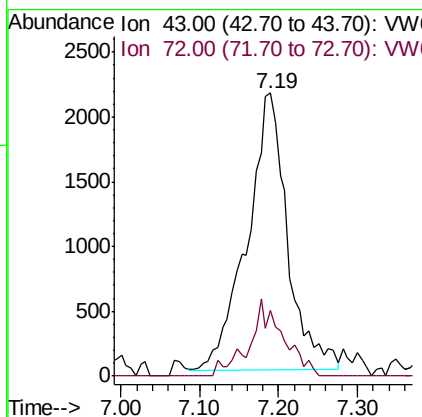
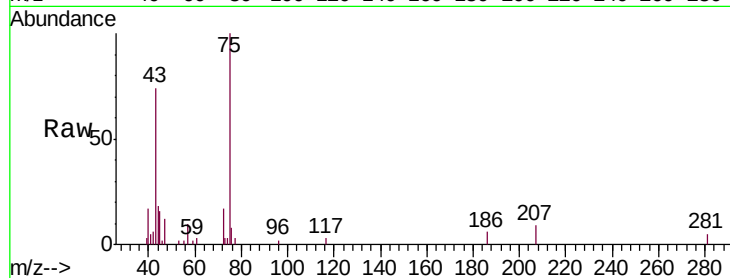




#25
2-Butanone
Concen: 5.451 ug/l
RT: 7.19 min Scan# 919
Delta R.T. 0.01 min
Lab File: VW004853.D
Acq: 21 Aug 2018 20:19

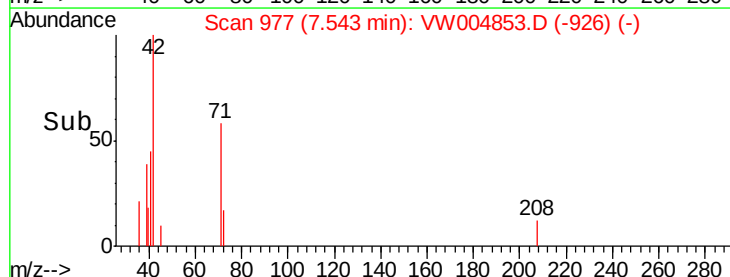
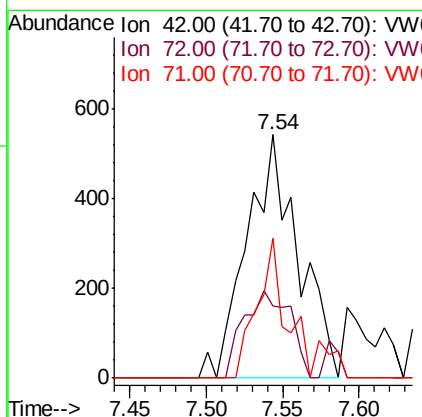
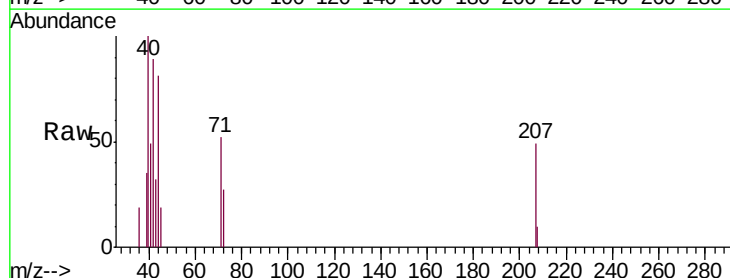
Instrument :
MSVOA_W
ClientSampleId :
SB-01-COMP

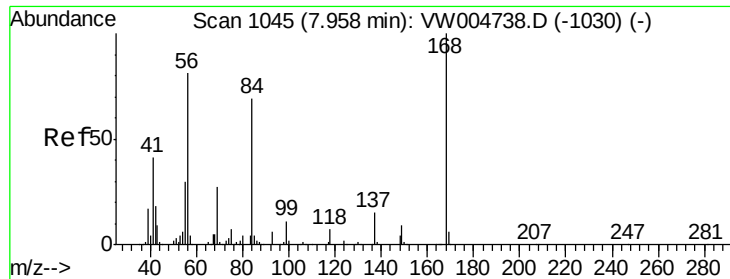
Tgt Ion: 43 Resp: 7626
Ion Ratio Lower Upper
43 100
72 23.7 22.0 33.0



#29
Tetrahydrofuran
Concen: 1.779 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW004853.D
Acq: 21 Aug 2018 20:19

Tgt Ion: 42 Resp: 1269
Ion Ratio Lower Upper
42 100
72 32.5 34.9 52.3#
71 31.8 33.8 50.6#

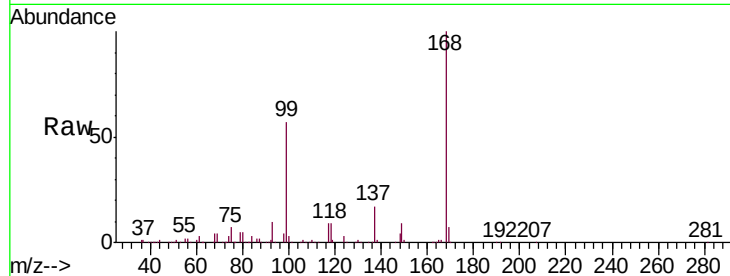




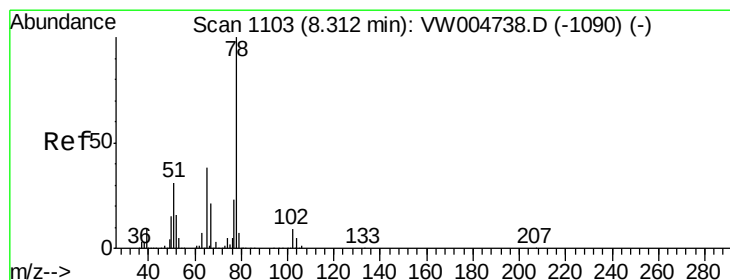
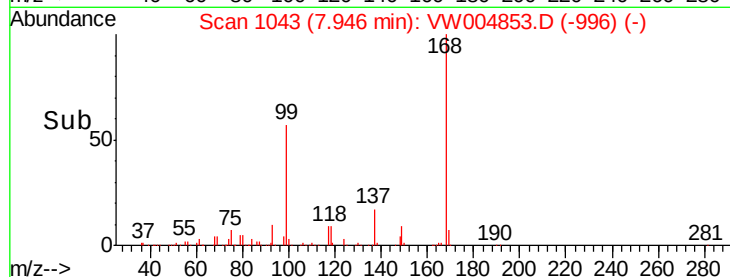
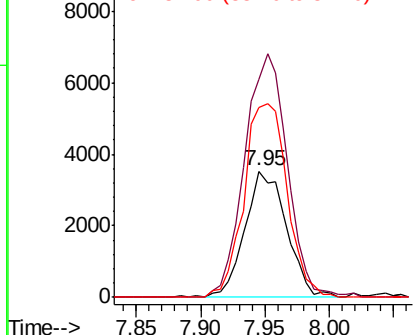
#31
Cyclohexane
Concen: 1.054 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004853.D
Acq: 21 Aug 2018 20:19

Instrument :
MSVOA_W
ClientSampleId :
SB-01-COMP

Tgt Ion: 56 Resp: 7920
Ion Ratio Lower Upper
56 100
69 172.1 27.1 40.7#
84 150.0 68.3 102.5#

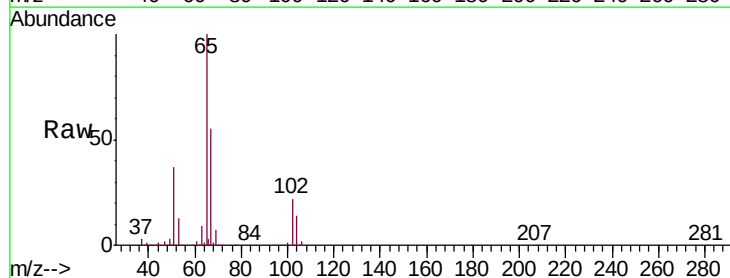


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

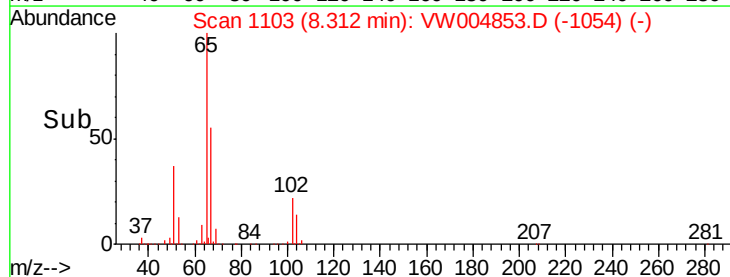
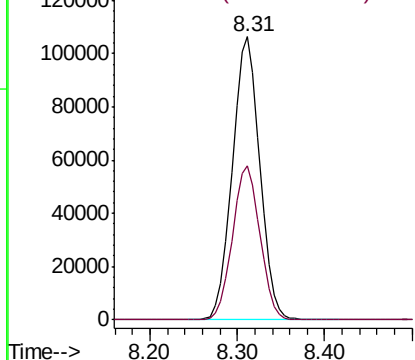


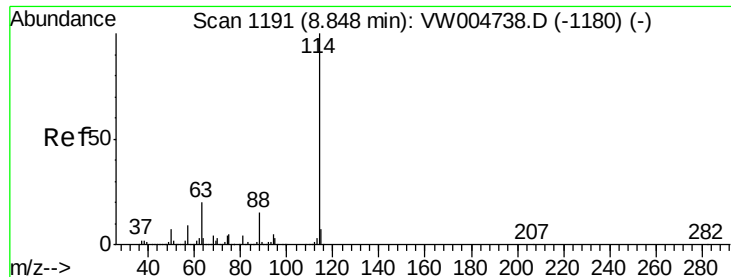
#33
1,2-Dichloroethane-d4
Concen: 60.150 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VW004853.D
Acq: 21 Aug 2018 20:19

Tgt Ion: 65 Resp: 231366
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.4



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

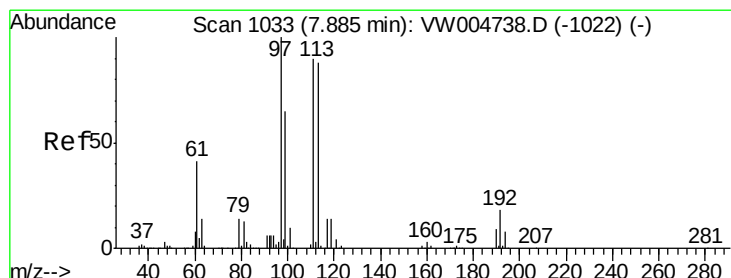
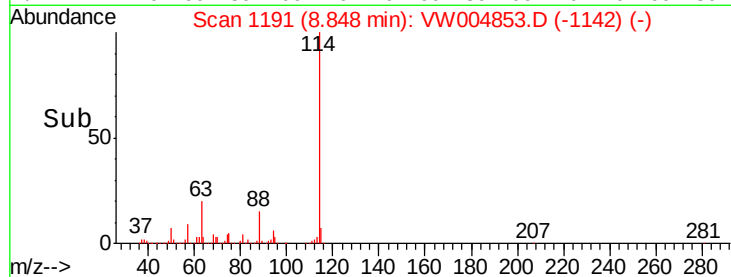
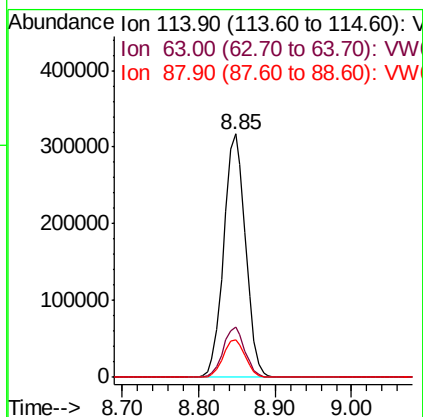
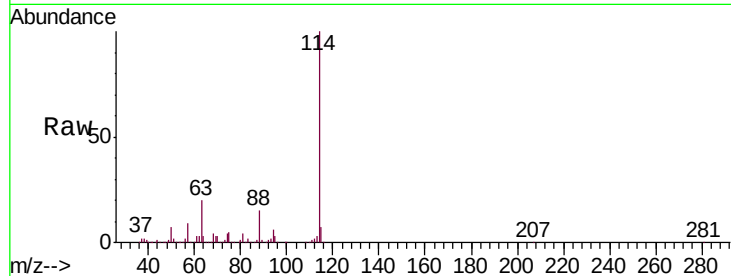




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004853.D
 Acq: 21 Aug 2018 20:19

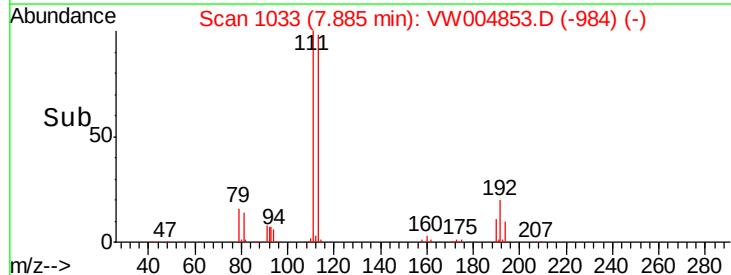
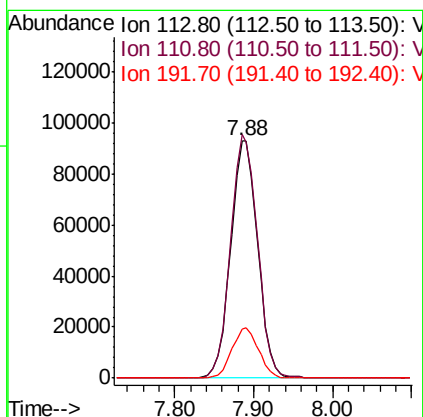
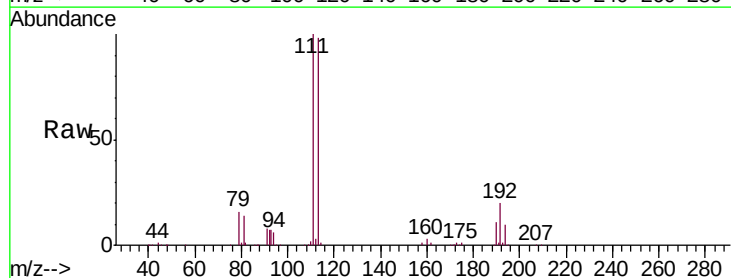
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-01-COMP

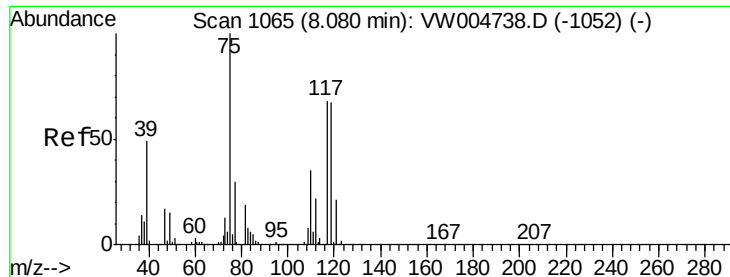
Tgt Ion:114 Resp: 623264
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.0
 88 15.4 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 55.609 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004853.D
 Acq: 21 Aug 2018 20:19

Tgt Ion:113 Resp: 221516
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.4 123.6
 192 20.8 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.672 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004853.D

Acq: 21 Aug 2018 20:19

Instrument :

MSVOA_W

ClientSampleId :

SB-01-COMP

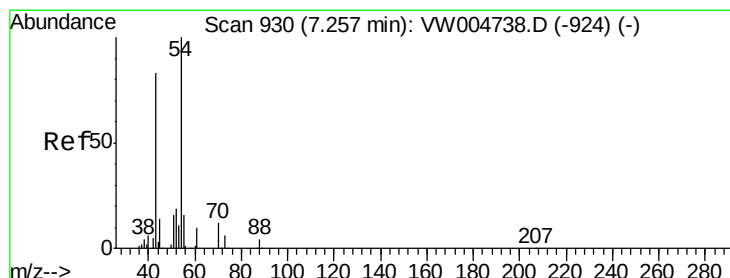
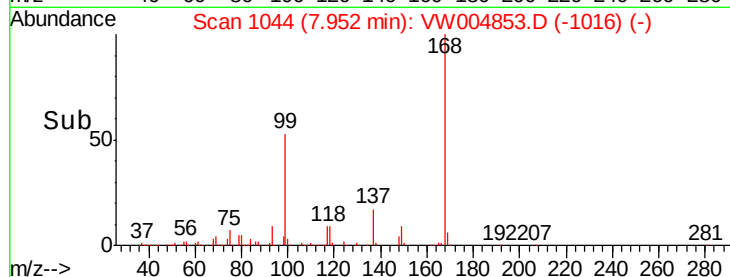
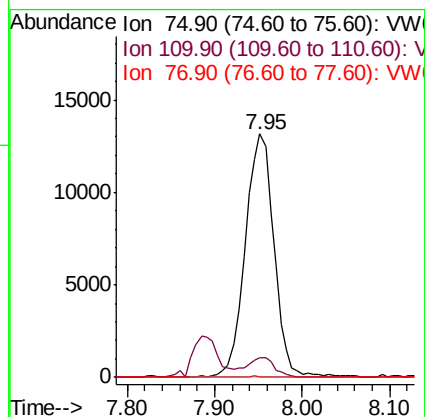
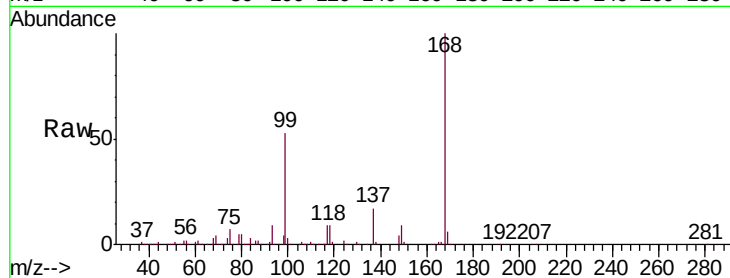
Tgt Ion: 75 Resp: 30000

Ion Ratio Lower Upper

75 100

110 8.0 17.8 53.5#

77 0.1 24.9 37.3#



#37

Ethyl Acetate

Concen: 2.984 ug/l

RT: 7.19 min Scan# 919

Delta R.T. -0.07 min

Lab File: VW004853.D

Acq: 21 Aug 2018 20:19

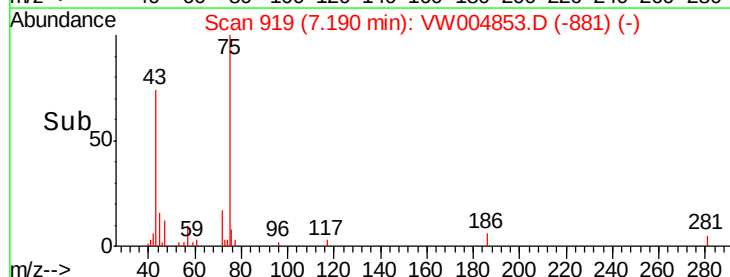
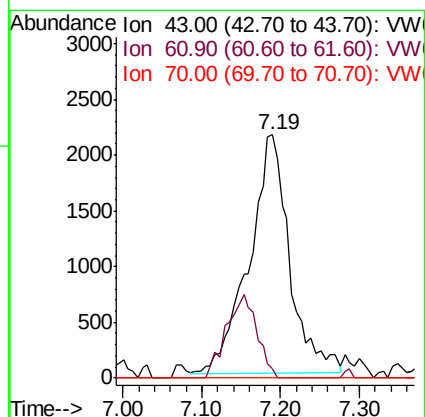
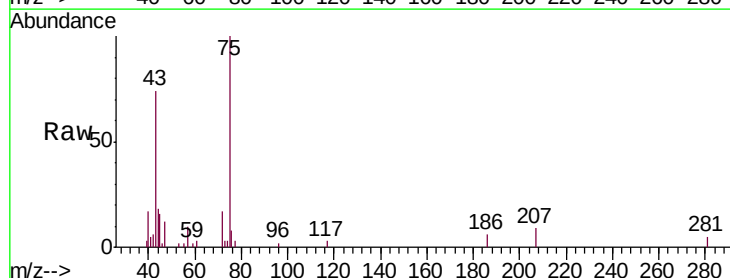
Tgt Ion: 43 Resp: 7638

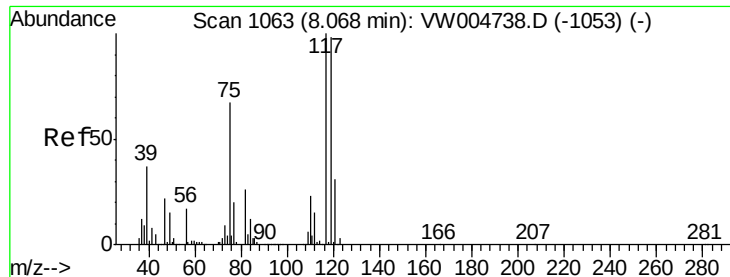
Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

70 0.0 9.2 13.8#





#38

Carbon Tetrachloride

Concen: 6.116 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004853.D

Acq: 21 Aug 2018 20:19

Instrument :

MSVOA_W

ClientSampleId :

SB-01-COMP

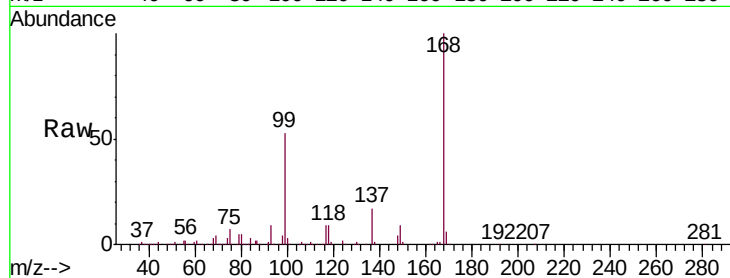
Tgt Ion:117 Resp: 36148

Ion Ratio Lower Upper

117 100

119 6.7 78.0 117.0#

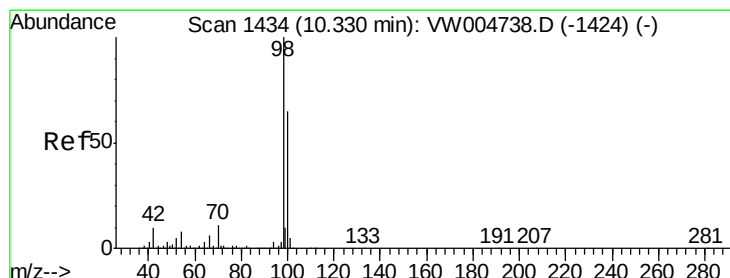
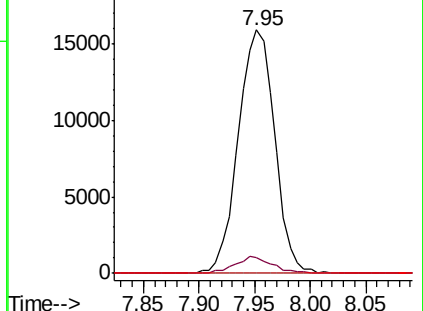
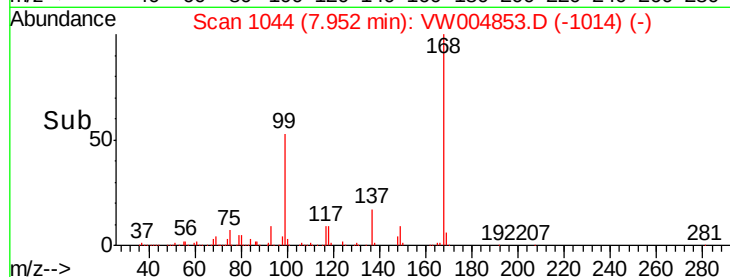
121 0.0 24.8 37.2#



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: 47.068 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004853.D

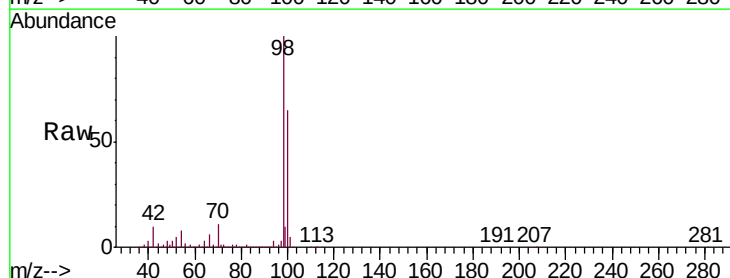
Acq: 21 Aug 2018 20:19

Tgt Ion: 98 Resp: 731910

Ion Ratio Lower Upper

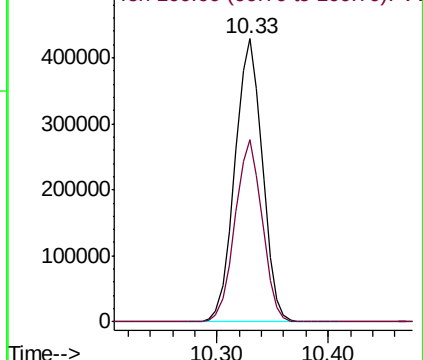
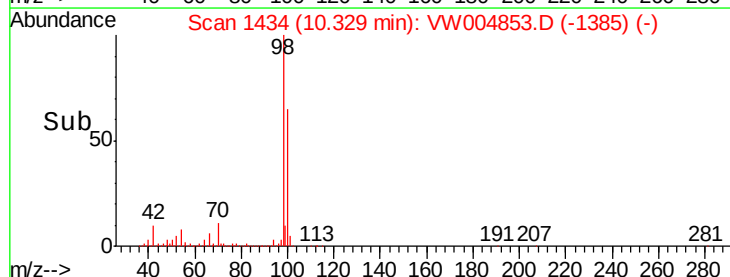
98 100

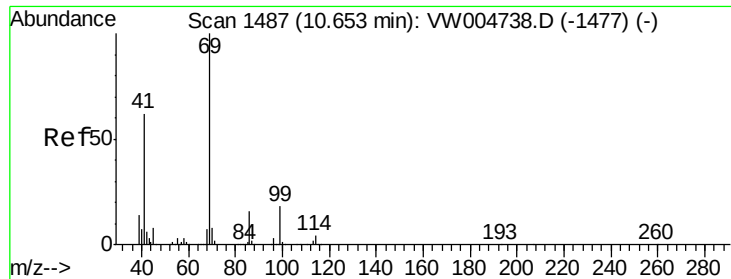
100 63.7 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 2.992 ug/l

RT: 10.66 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW004853.D

Acq: 21 Aug 2018 20:19

Instrument :

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ClientSampleId :

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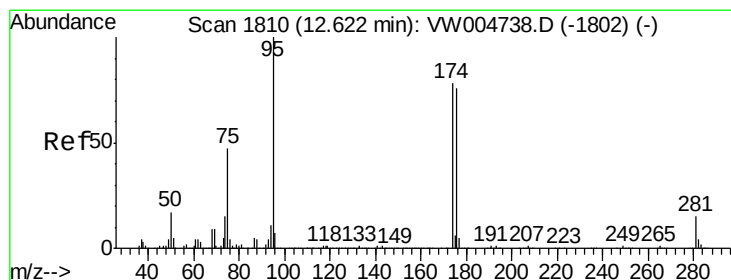
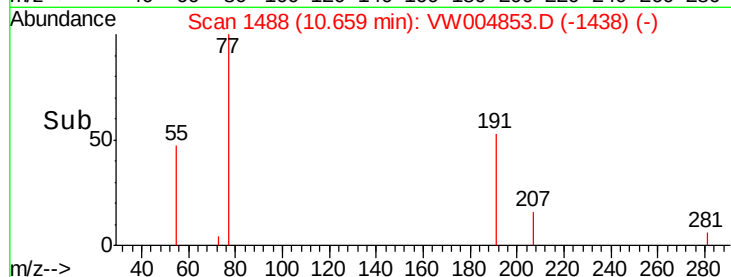
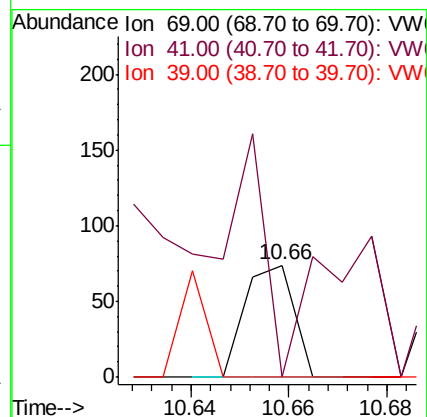
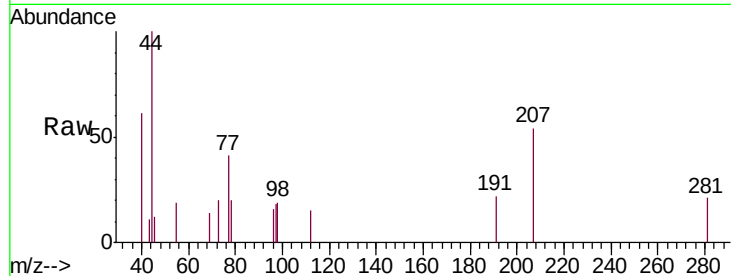
Tgt Ion: 69 Resp: 51

Ion Ratio Lower Upper

69 100

41 0.0 50.7 76.1#

39 0.0 21.4 32.2#



#62

4-Bromofluorobenzene

Concen: 33.007 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004853.D

Acq: 21 Aug 2018 20:19

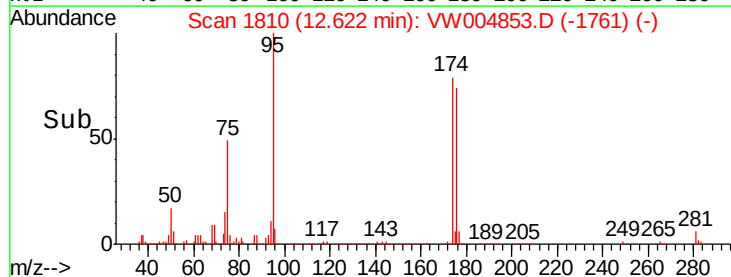
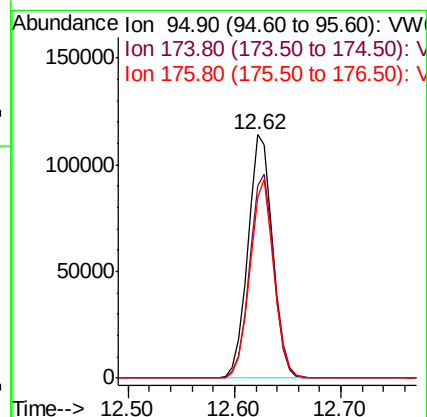
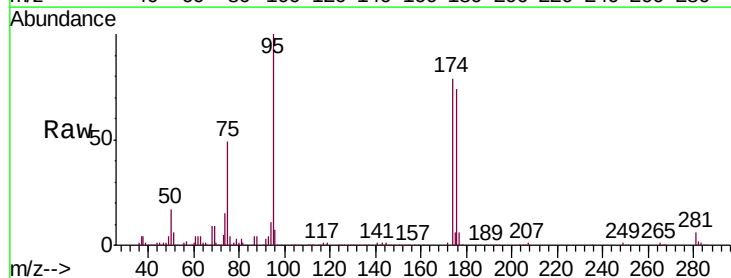
Tgt Ion: 95 Resp: 184650

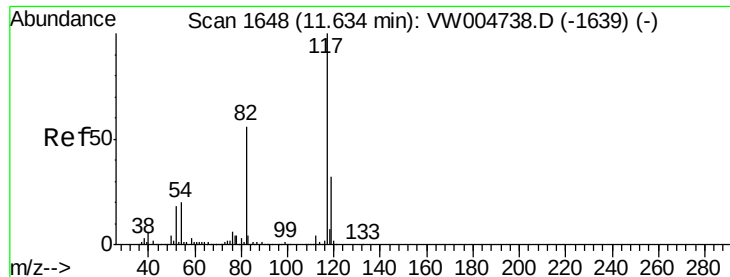
Ion Ratio Lower Upper

95 100

174 84.0 0.0 165.8

176 79.2 0.0 159.8

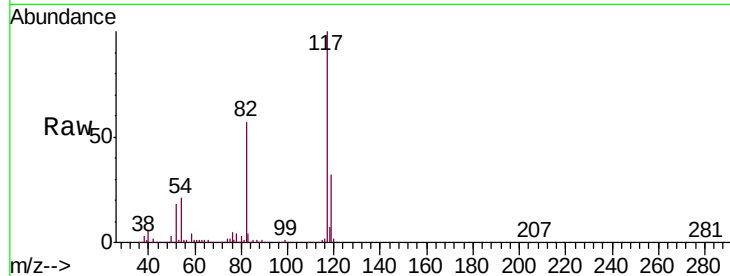




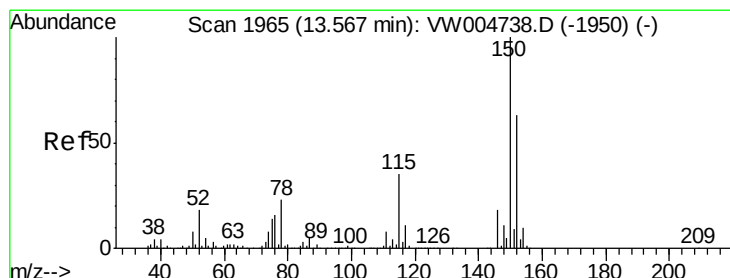
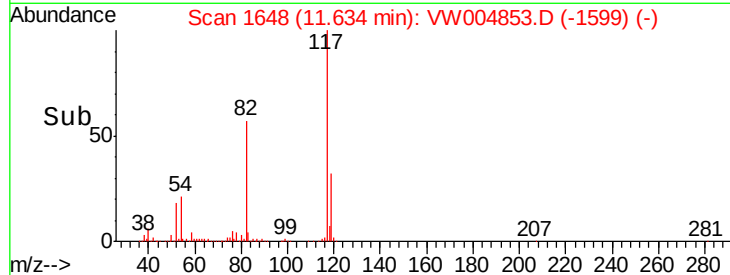
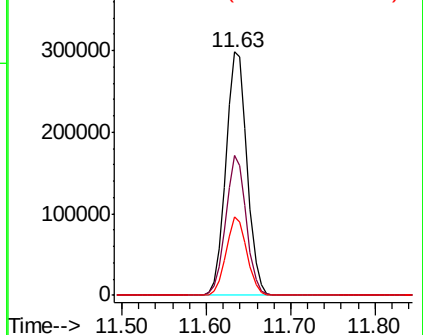
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004853.D
Acq: 21 Aug 2018 20:19

Instrument :
MSVOA_W
ClientSampleId :
SB-01-COMP

Tgt Ion:117 Resp: 513451
Ion Ratio Lower Upper
117 100
82 57.4 44.6 67.0
119 32.3 25.6 38.4

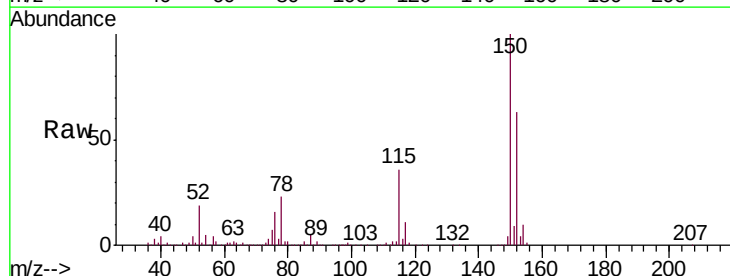


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

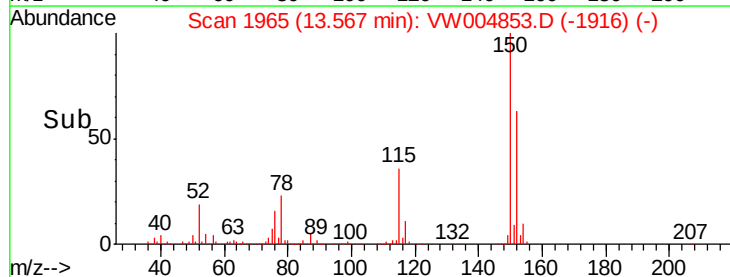
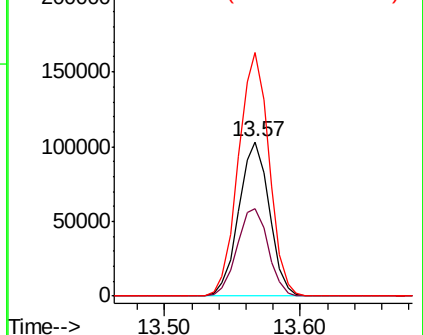


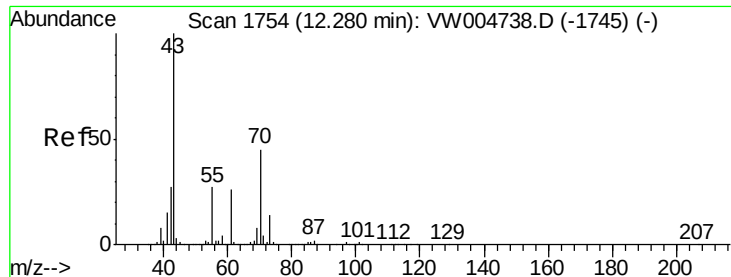
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004853.D
Acq: 21 Aug 2018 20:19

Tgt Ion:152 Resp: 162446
Ion Ratio Lower Upper
152 100
115 57.8 28.5 85.5
150 157.9 0.0 344.8



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





#74

N-amyI acetate

Concen: 4.211 ug/l

RT: 12.24 min Scan# 1748

Delta R.T. -0.04 min

Lab File: VW004853.D

Acq: 21 Aug 2018 20:19

Instrument :

MSVOA_W

ClientSampled :

SB-01-COMP

Tgt Ion: 43 Resp: 541

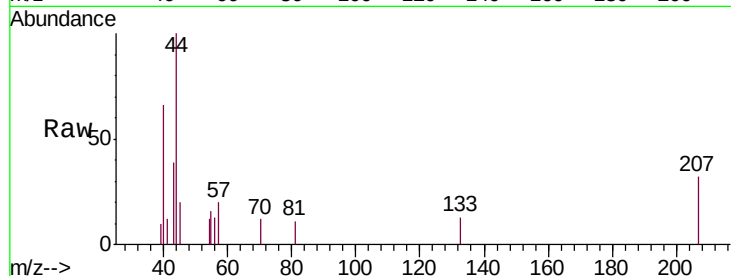
Ion Ratio Lower Upper

43 100

70 8.7 36.3 54.5#

55 28.7 22.6 33.8

61 0.0 20.2 30.4#

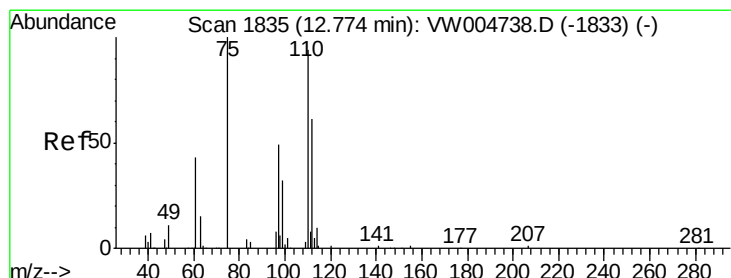
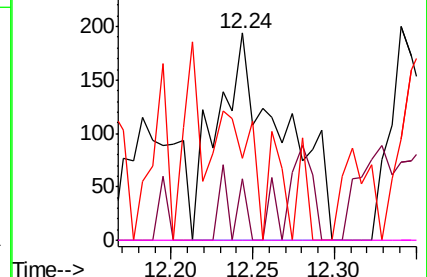
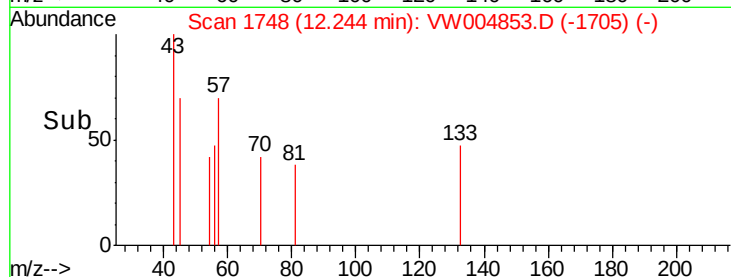


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 60.993 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004853.D

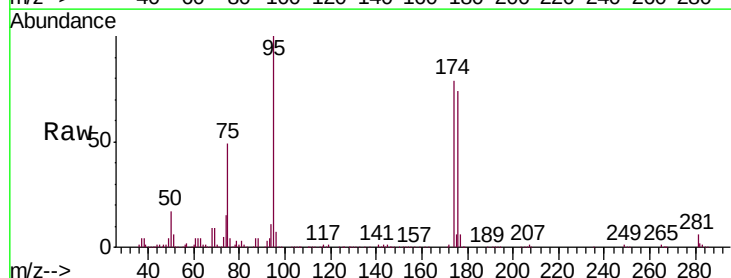
Acq: 21 Aug 2018 20:19

Tgt Ion: 75 Resp: 87342

Ion Ratio Lower Upper

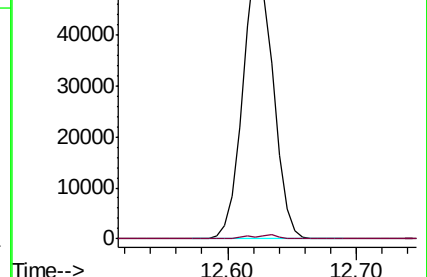
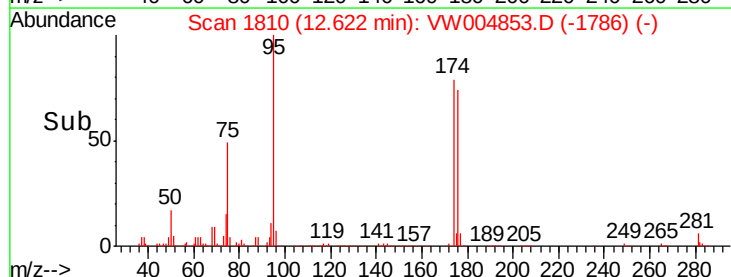
75 100

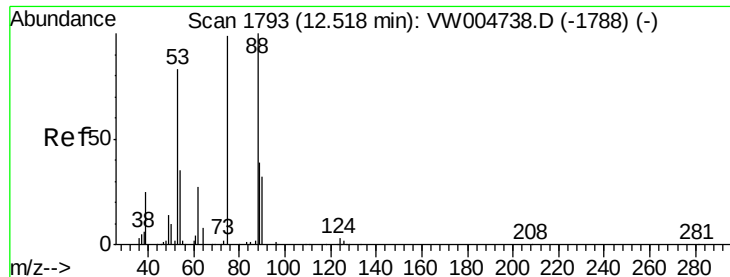
77 1.6 0.0 0.0#



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: 141.765 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004853.D

Acq: 21 Aug 2018 20:19

Instrument :

MSVOA_W

ClientSampleId :

SB-01-COMP

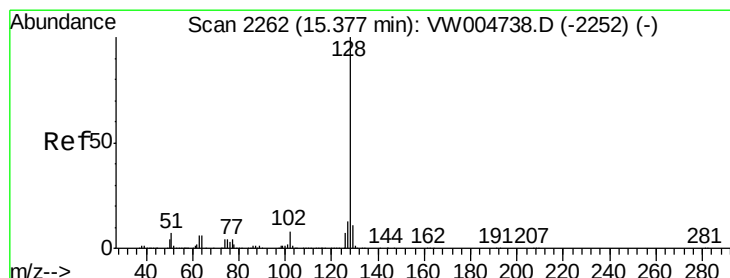
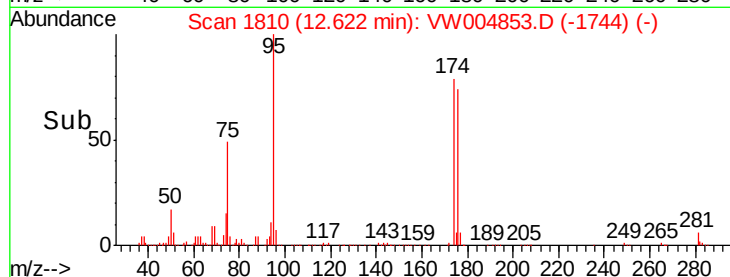
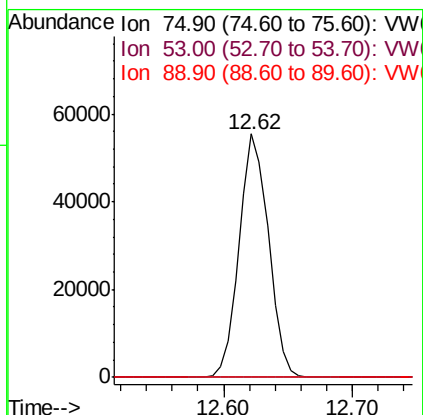
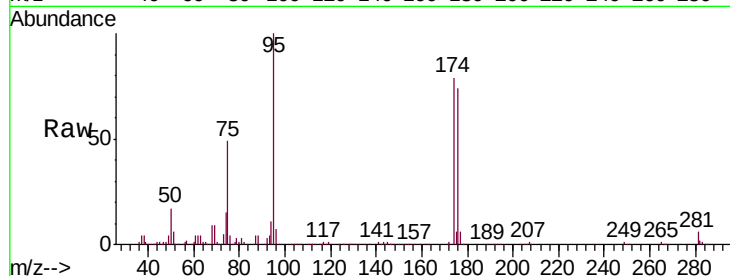
Tgt Ion: 75 Resp: 87342

Ion Ratio Lower Upper

75 100

53 0.3 72.2 108.4#

89 0.1 35.2 52.8#



#95

Naphthalene

Concen: 3.983 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004853.D

Acq: 21 Aug 2018 20:19

Tgt Ion: 128 Resp: 3421

Ion Ratio Lower Upper

128 100

127 16.8 10.4 15.6#

129 12.5 8.6 13.0

