

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070318\
 Data File : VW003696.D
 Acq On : 03 Jul 2018 14:06
 Operator : SY/AP
 Sample : J3243-05
 Misc : 6.35G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-062918

Quant Time: Jul 03 23:48:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 08:55:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	68310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	106664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	96736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	37502	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	42015	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
35) Dibromofluoromethane	7.88	113	34746	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	10.32	98	104092	38.12	ug/l	0.00
Spiked Amount			Recovery	=	76.24%	
62) 4-Bromofluorobenzene	12.62	95	31904	32.52	ug/l	0.00
Spiked Amount			Recovery	=	65.04%	

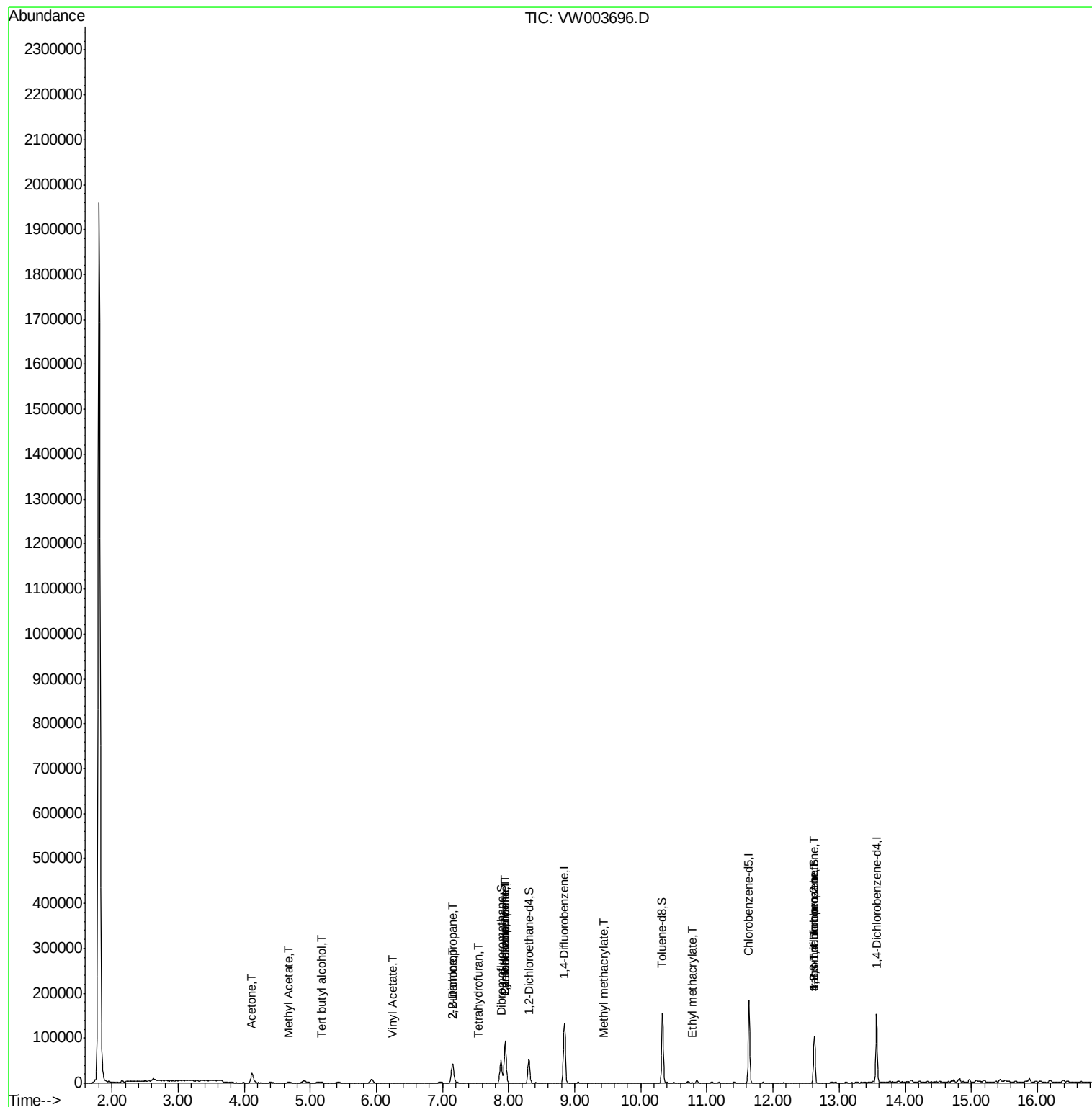
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	1208	23.705	ug/l #	71
16) Acetone	4.12	43	36425	187.369	ug/l	98
18) Methyl Acetate	4.67	43	2993	7.710	ug/l #	86
23) Vinyl Acetate	6.24	43	44	13.890	ug/l #	74
25) 2-Butanone	7.15	43	2559	10.280	ug/l	98
26) 2,2-Dichloropropane	7.16	77	2926	3.490	ug/l #	52
29) Tetrahydrofuran	7.54	42	152	1.019	ug/l #	36
31) Cyclohexane	7.95	56	1999	1.606	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	6083	5.681	ug/l #	51
38) Carbon Tetrachloride	7.95	117	7118	6.988	ug/l #	17
48) Methyl methacrylate	9.45	41	53	3.459	ug/l #	24
56) Ethyl methacrylate	10.77	69	62	3.656	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	17183	50.959	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	17183	107.977	ug/l #	9

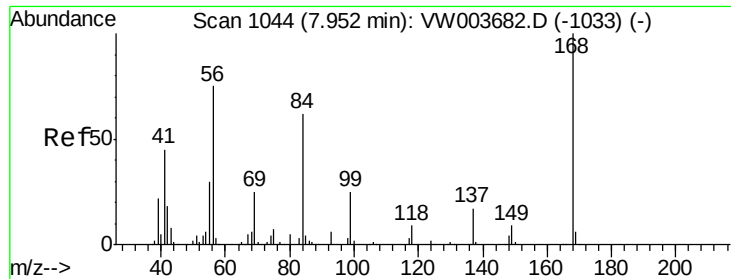
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003696.D

Acq: 03 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

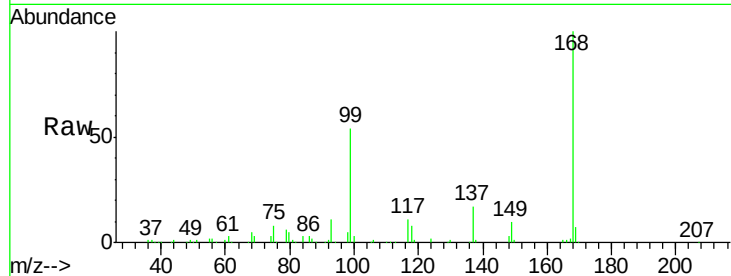
NB-08-062918

Tgt Ion:168 Resp: 68310

Ion Ratio Lower Upper

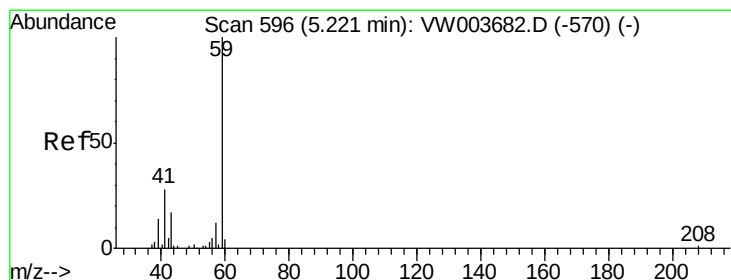
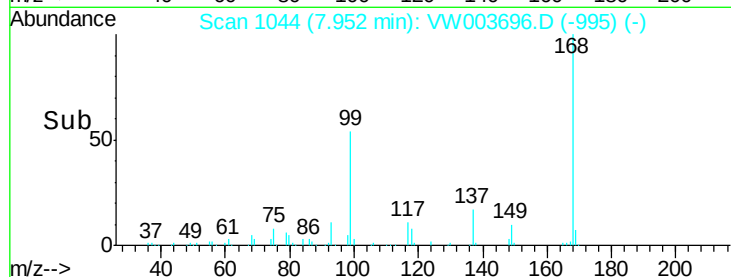
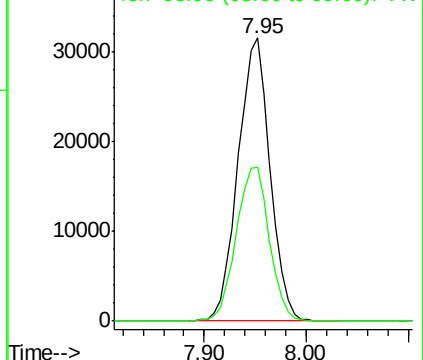
168 100

99 54.4 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 23.705 ug/l

RT: 5.17 min Scan# 588

Delta R.T. -0.05 min

Lab File: VW003696.D

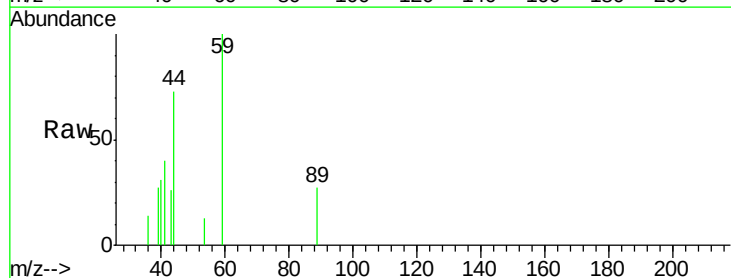
Acq: 03 Jul 2018 14:06

Tgt Ion: 59 Resp: 1208

Ion Ratio Lower Upper

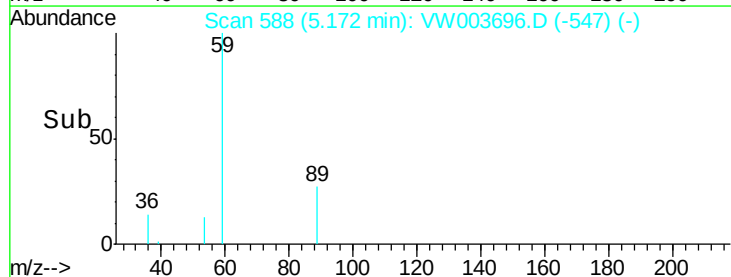
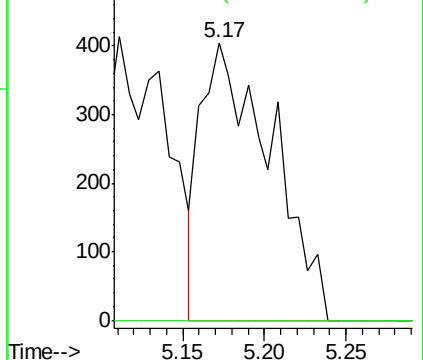
59 100

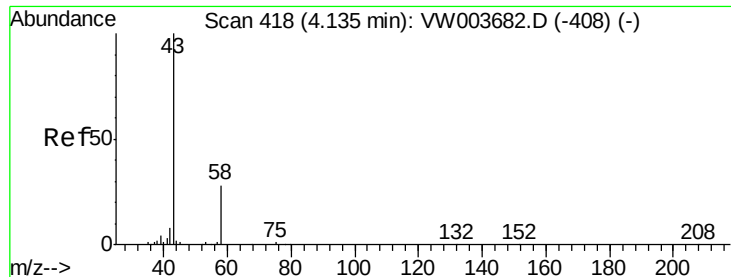
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 187.369 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.02 min

Lab File: VW003696.D

Acq: 03 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

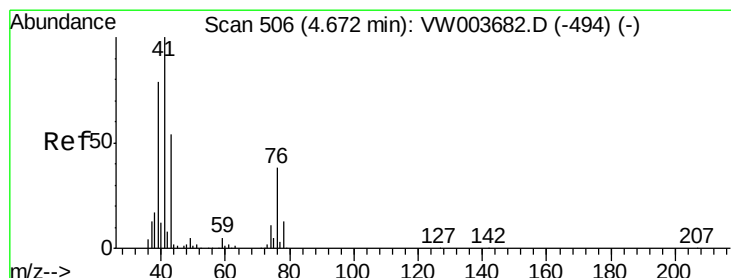
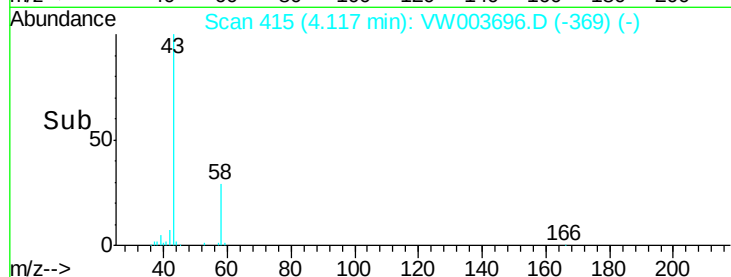
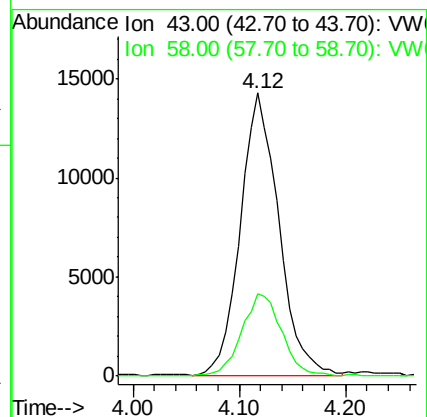
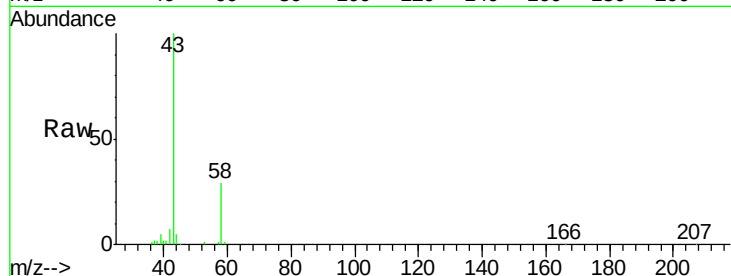
NB-08-062918

Tgt Ion: 43 Resp: 36425

Ion Ratio Lower Upper

43 100

58 29.3 22.7 34.1



#18

Methyl Acetate

Concen: 7.710 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.00 min

Lab File: VW003696.D

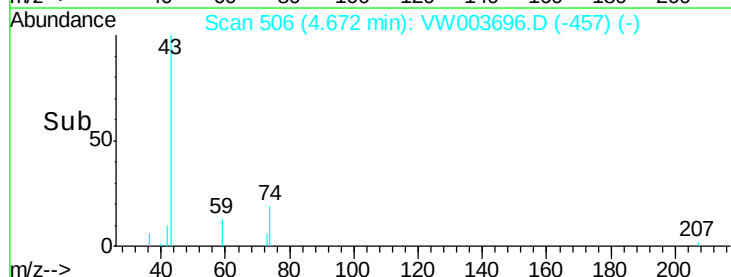
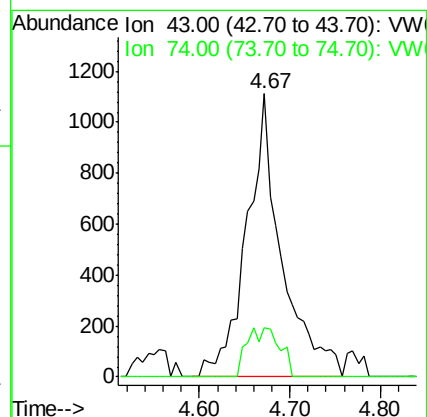
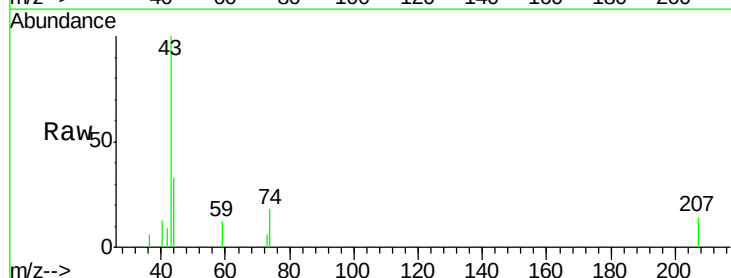
Acq: 03 Jul 2018 14:06

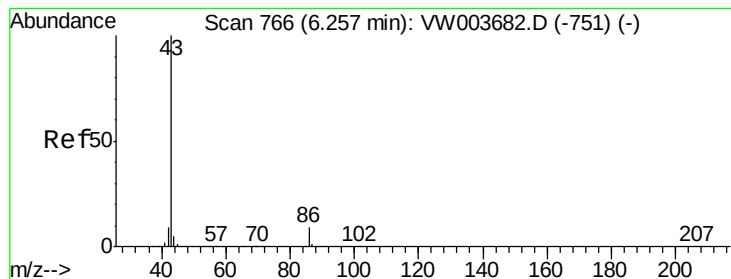
Tgt Ion: 43 Resp: 2993

Ion Ratio Lower Upper

43 100

74 16.1 18.2 27.2#





#23

Vinyl Acetate

Concen: 13.890 ug/l

RT: 6.24 min Scan# 764

Delta R.T. -0.01 min

Lab File: VW003696.D

Acq: 03 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

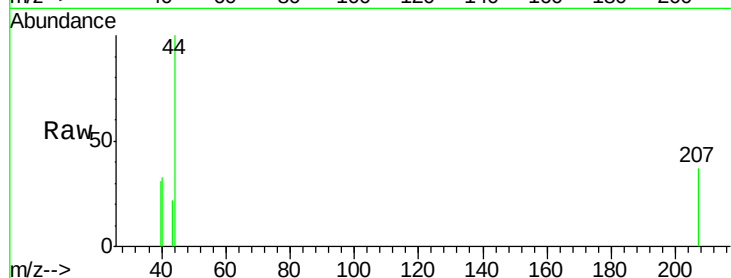
NB-08-062918

Tgt Ion: 43 Resp: 44

Ion Ratio Lower Upper

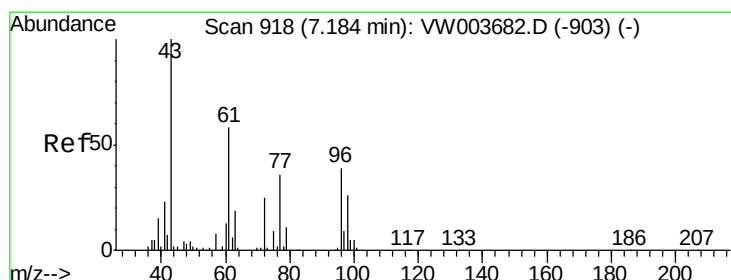
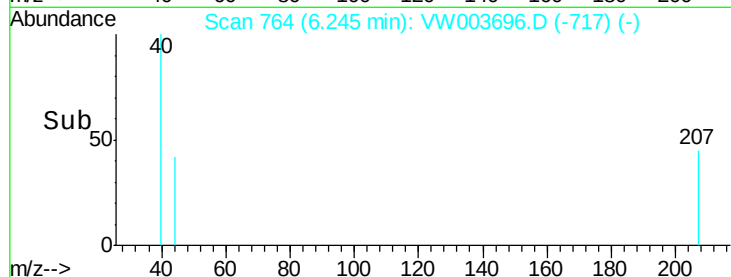
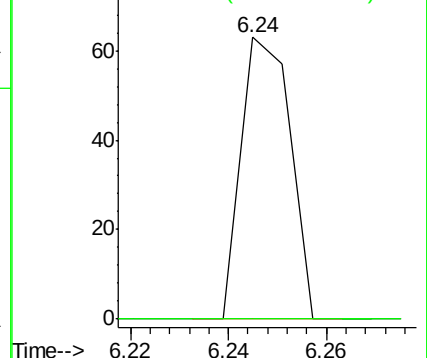
43 100

86 0.0 7.5 11.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#25

2-Butanone

Concen: 10.280 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.03 min

Lab File: VW003696.D

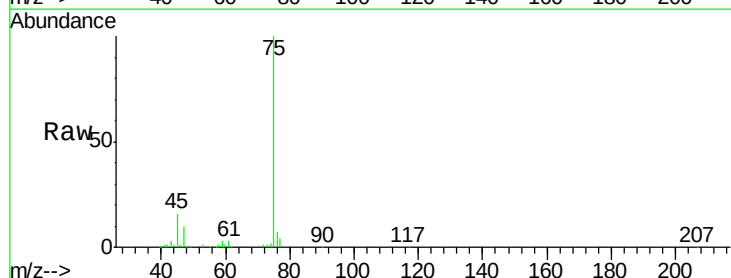
Acq: 03 Jul 2018 14:06

Tgt Ion: 43 Resp: 2559

Ion Ratio Lower Upper

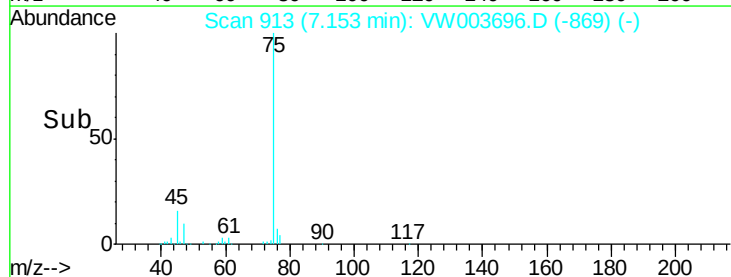
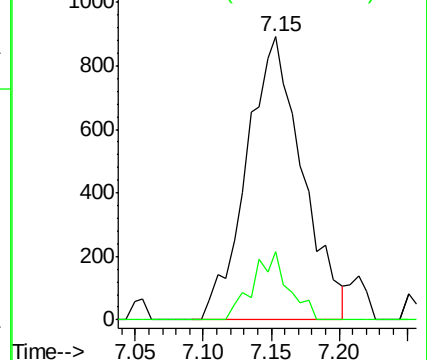
43 100

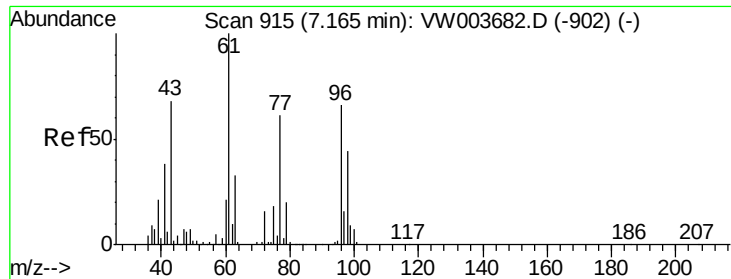
72 24.3 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 3.490 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW003696.D

Acq: 03 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampled :

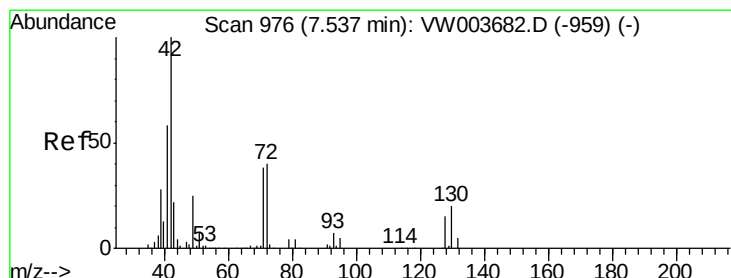
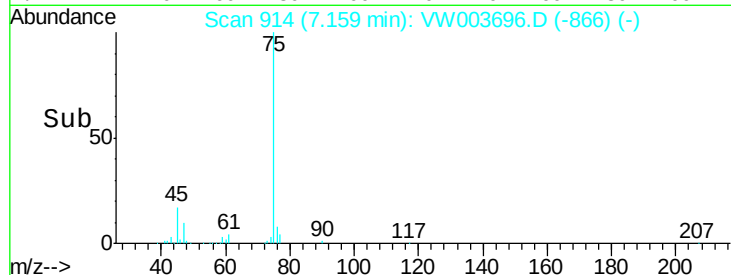
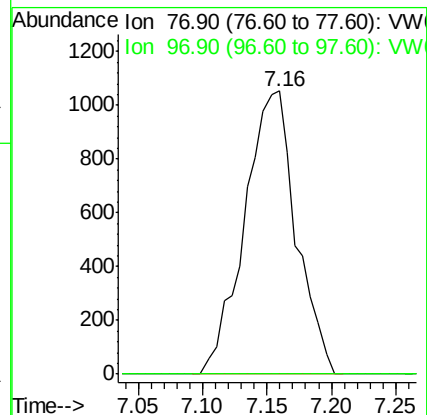
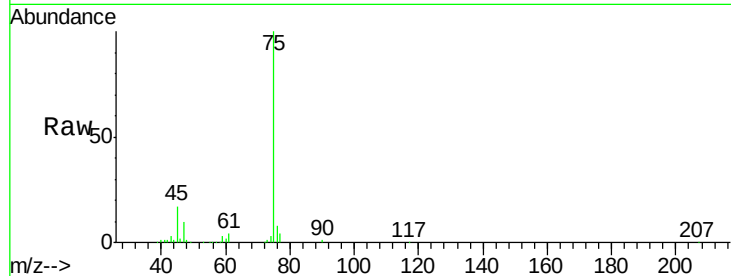
NB-08-062918

Tgt Ion: 77 Resp: 2926

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#



#29

Tetrahydrofuran

Concen: 1.019 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW003696.D

Acq: 03 Jul 2018 14:06

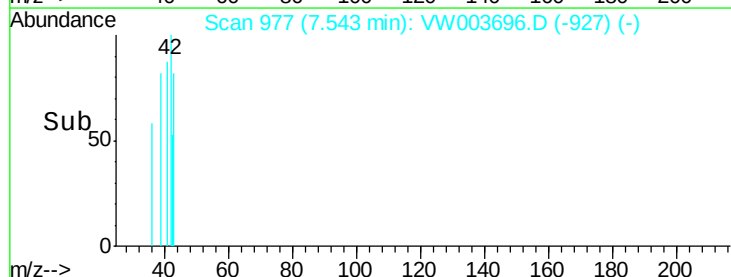
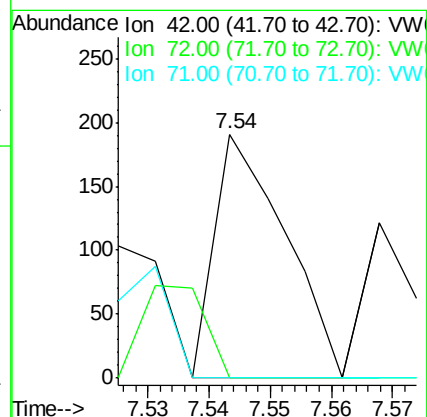
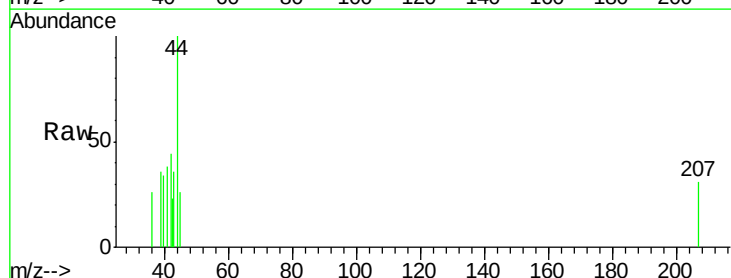
Tgt Ion: 42 Resp: 152

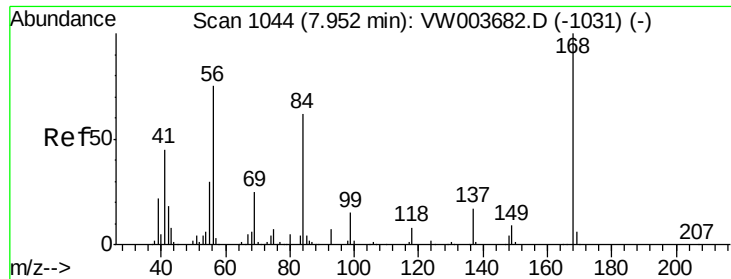
Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

71 0.0 30.2 45.2#

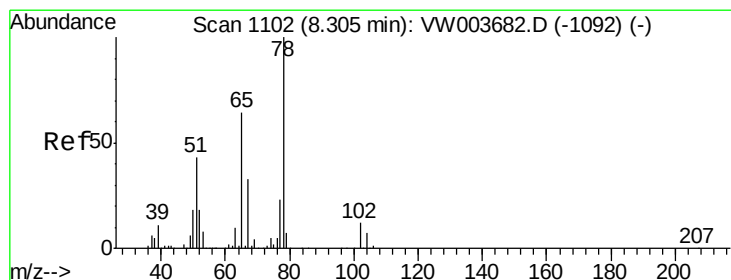
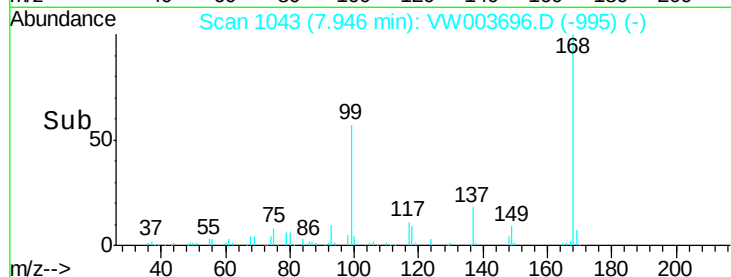
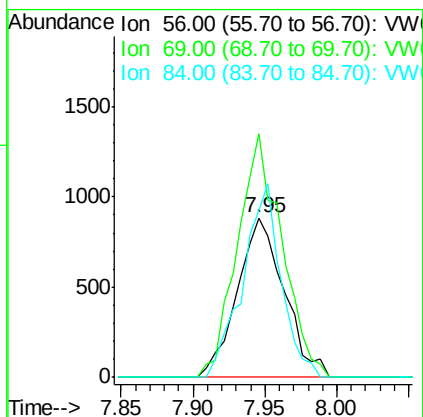
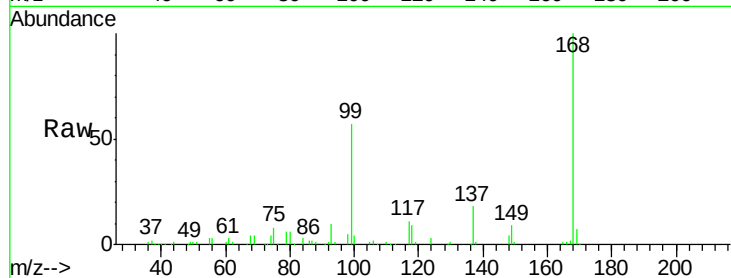




#31
Cyclohexane
Concen: 1.606 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003696.D
Acq: 03 Jul 2018 14:06

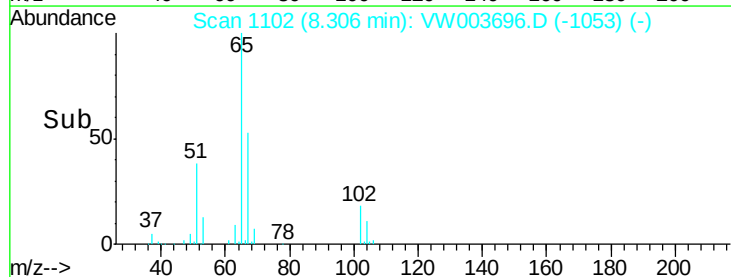
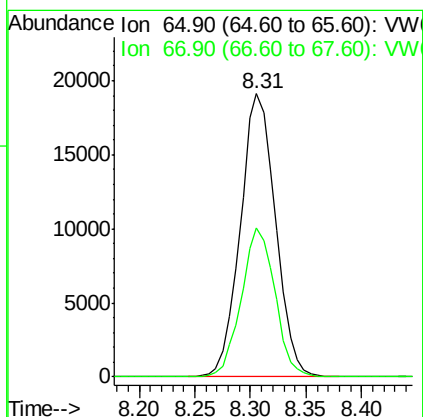
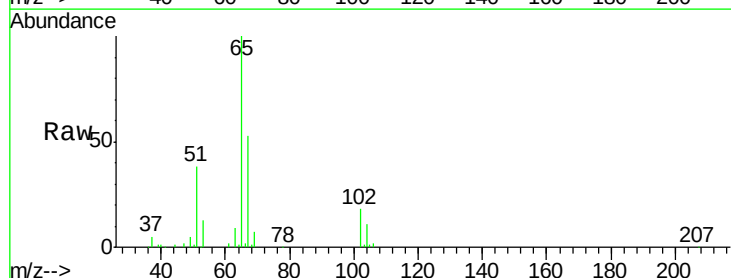
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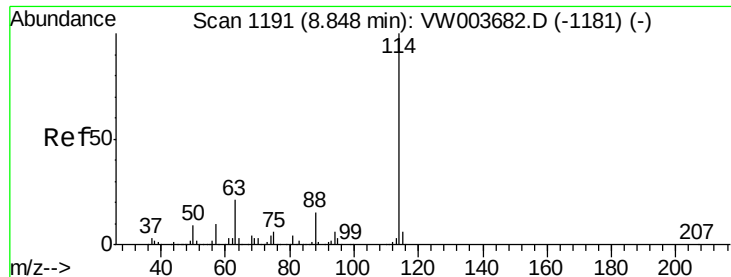
Tgt Ion: 56 Resp: 1999
Ion Ratio Lower Upper
56 100
69 153.1 27.0 40.4#
84 104.9 65.4 98.0#



#33
1,2-Dichloroethane-d4
Concen: 51.590 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VW003696.D
Acq: 03 Jul 2018 14:06

Tgt Ion: 65 Resp: 42015
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VW003696.D

Acq: 03 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

NB-08-062918

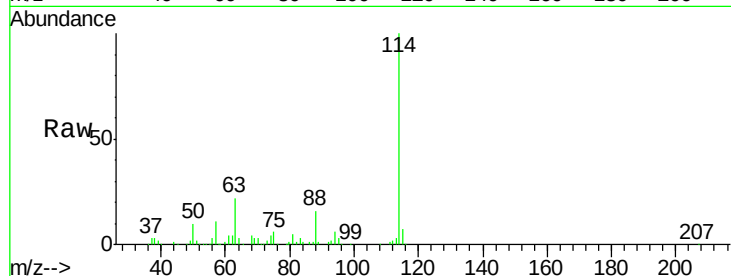
Tgt Ion:114 Resp: 106664

Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.6

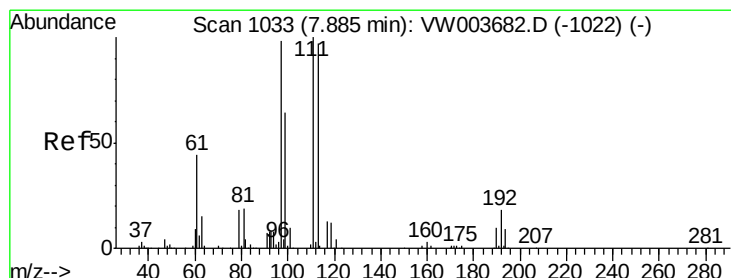
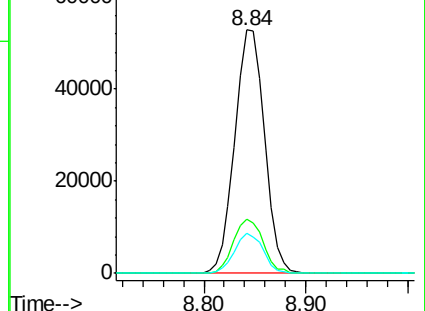
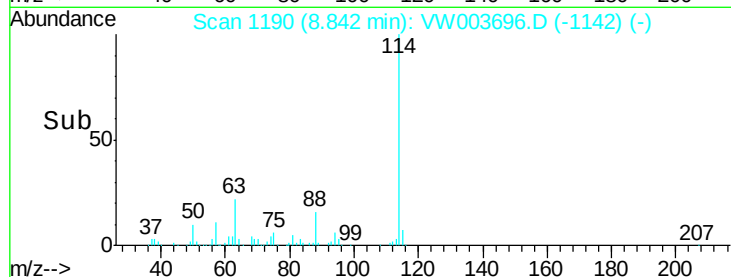
88 16.2 0.0 29.8



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: 49.946 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003696.D

Acq: 03 Jul 2018 14:06

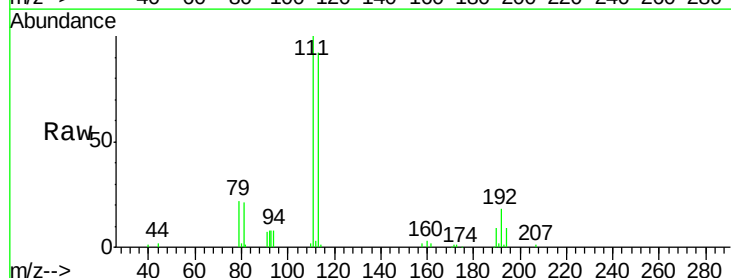
Tgt Ion:113 Resp: 34746

Ion Ratio Lower Upper

113 100

111 104.9 82.4 123.6

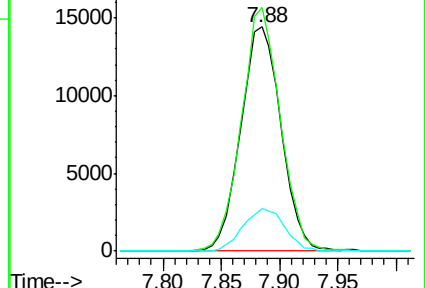
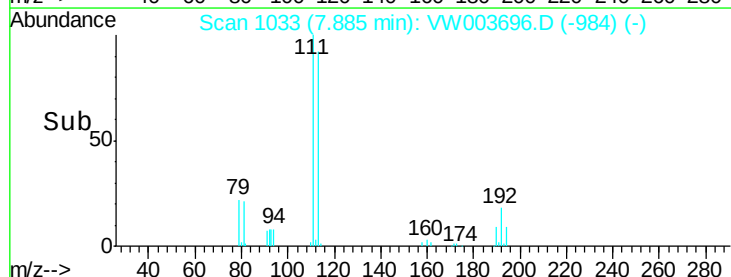
192 19.5 15.8 23.6

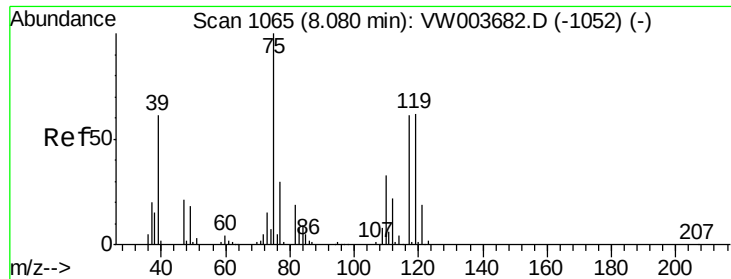


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

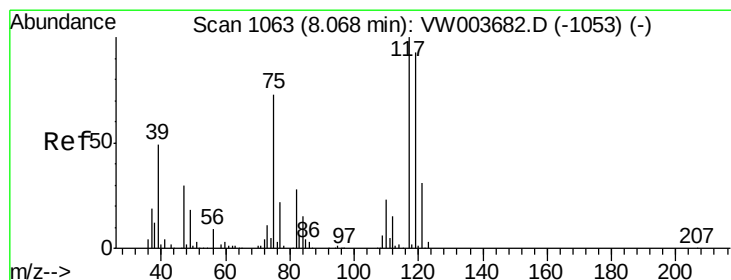
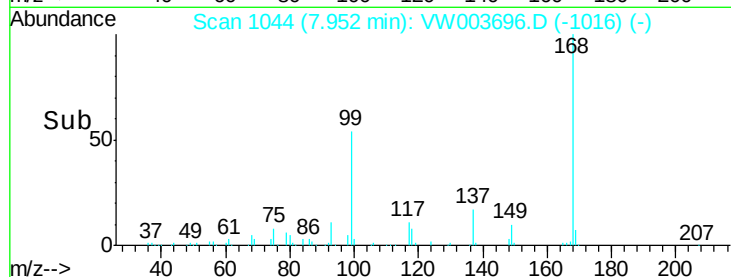
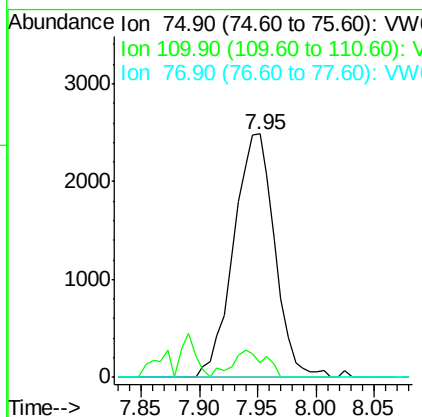
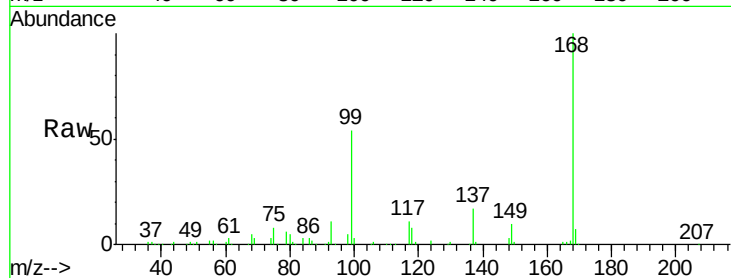




#36
 1,1-Dichloropropene
 Concen: 5.681 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003696.D
 Acq: 03 Jul 2018 14:06

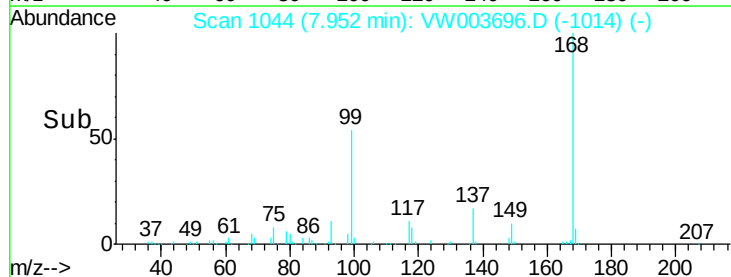
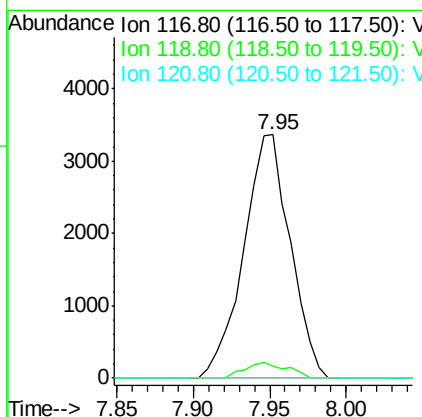
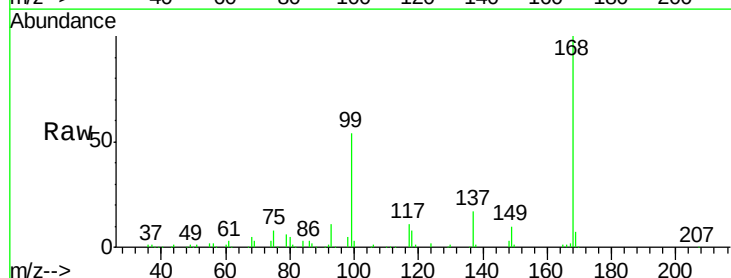
Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-062918

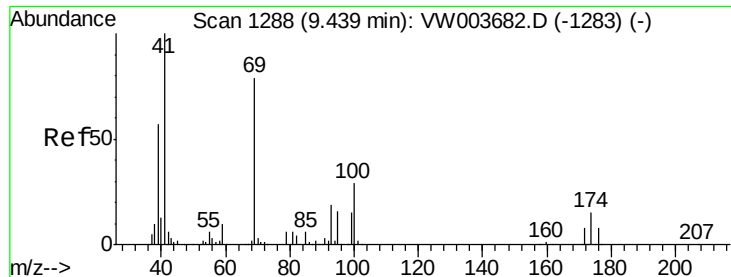
Tgt Ion: 75 Resp: 6083
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.9 50.6#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.988 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003696.D
 Acq: 03 Jul 2018 14:06

Tgt Ion: 117 Resp: 7118
 Ion Ratio Lower Upper
 117 100
 119 4.8 74.1 111.1#
 121 0.0 25.0 37.4#

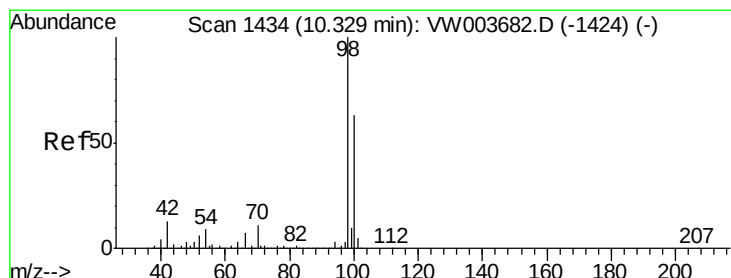
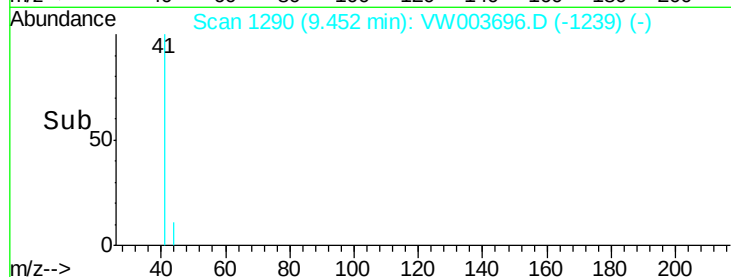
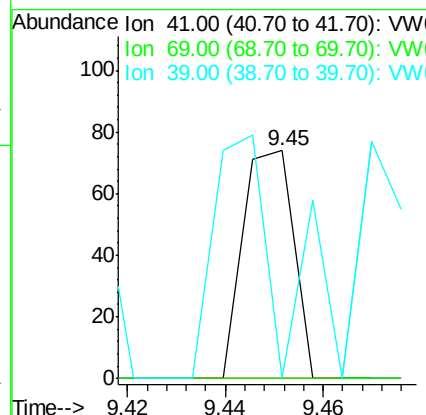
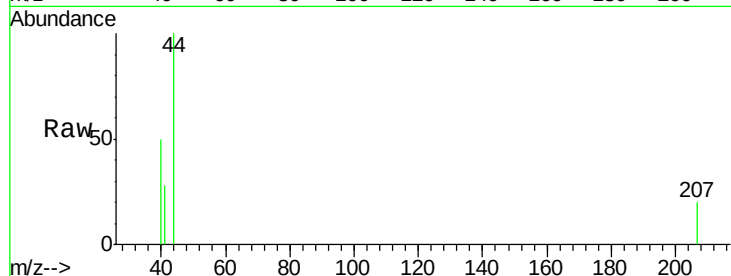




#48
Methyl methacrylate
Concen: 3.459 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. 0.01 min
Lab File: VW003696.D
Acq: 03 Jul 2018 14:06

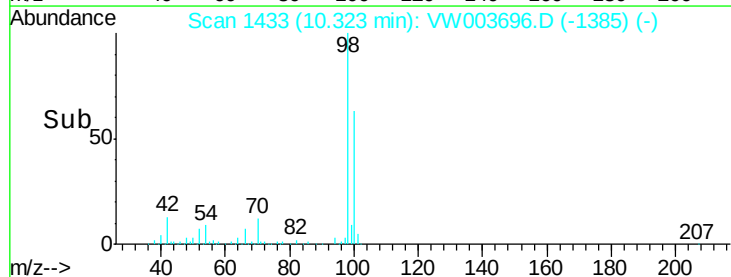
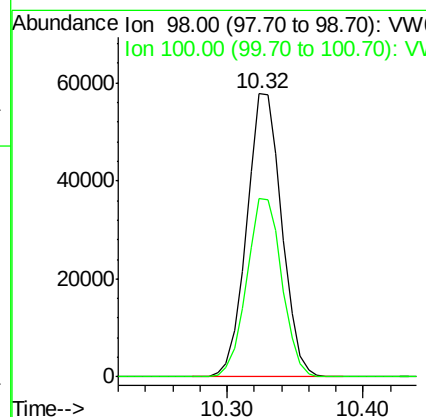
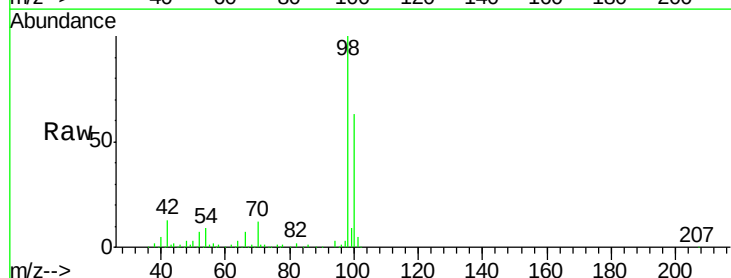
Instrument :
MSVOA_W
ClientSampleId :
NB-08-062918

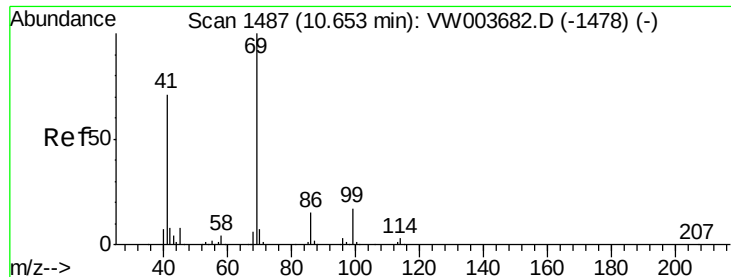
Tgt Ion: 41 Resp: 53
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.2#
39 105.7 50.0 75.0#



#50
Toluene-d8
Concen: 38.115 ug/l
RT: 10.32 min Scan# 1433
Delta R.T. -0.01 min
Lab File: VW003696.D
Acq: 03 Jul 2018 14:06

Tgt Ion: 98 Resp: 104092
Ion Ratio Lower Upper
98 100
100 63.3 50.8 76.2





#56

Ethyl methacrylate

Concen: 3.656 ug/l

RT: 10.77 min Scan# 1506

Delta R.T. 0.12 min

Lab File: VW003696.D

Acq: 03 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

NB-08-062918

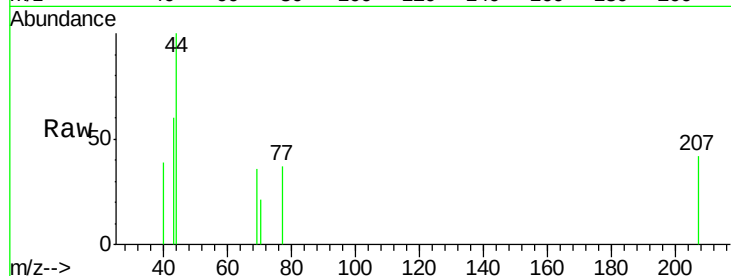
Tgt Ion: 69 Resp: 62

Ion Ratio Lower Upper

69 100

41 203.2 57.5 86.3#

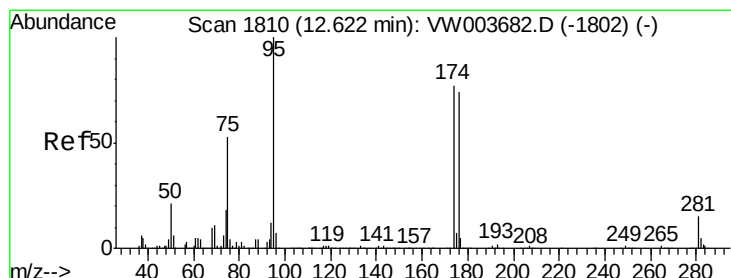
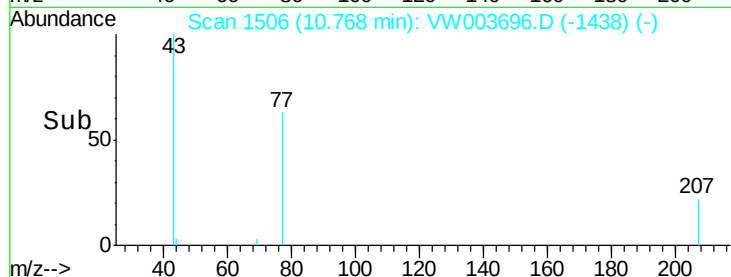
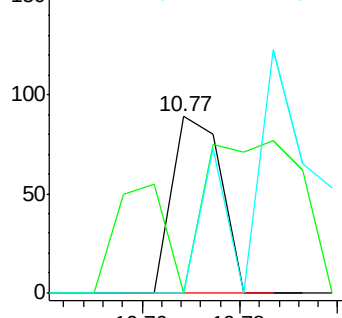
39 185.5 29.4 44.0#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#62

4-Bromofluorobenzene

Concen: 32.518 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003696.D

Acq: 03 Jul 2018 14:06

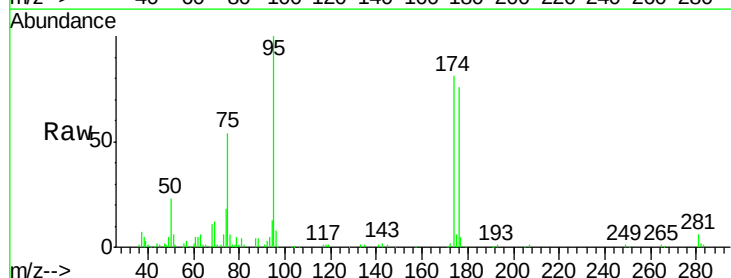
Tgt Ion: 95 Resp: 31904

Ion Ratio Lower Upper

95 100

174 85.5 0.0 161.2

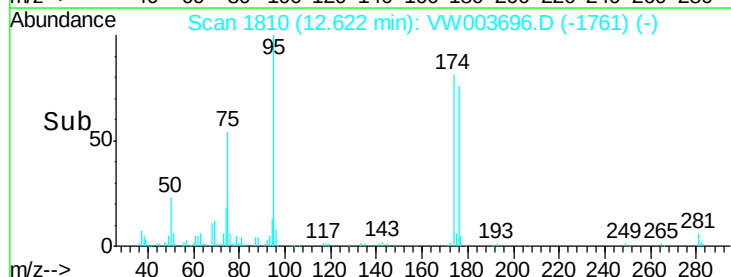
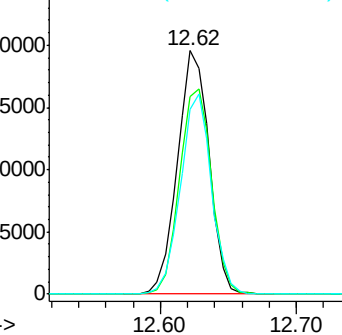
176 80.3 0.0 155.0

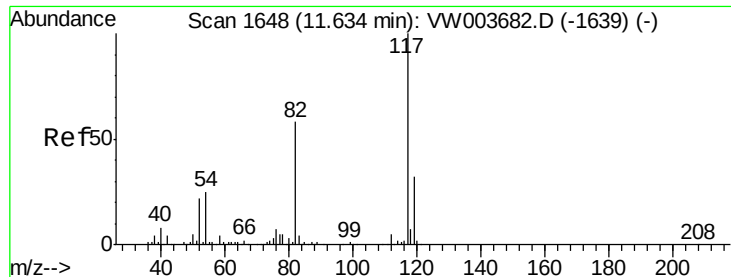


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

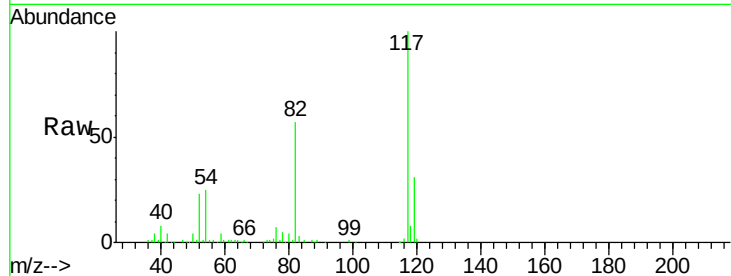




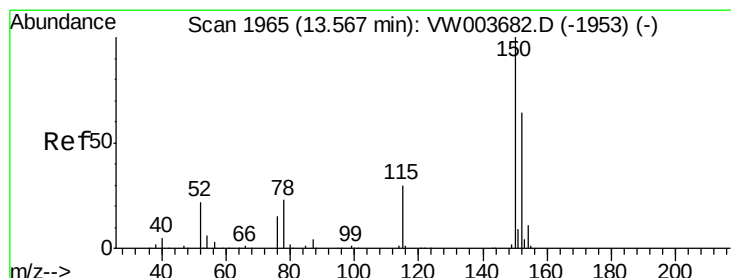
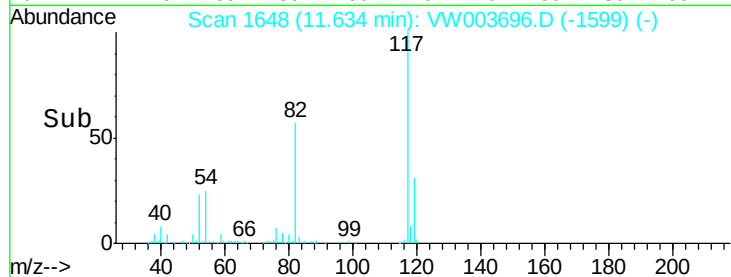
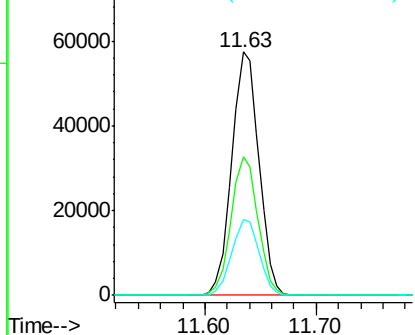
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003696.D
Acq: 03 Jul 2018 14:06

Instrument :
MSVOA_W
ClientSampleId :
NB-08-062918

Tgt Ion:117 Resp: 96736
Ion Ratio Lower Upper
117 100
82 56.8 46.0 69.0
119 31.3 25.4 38.0

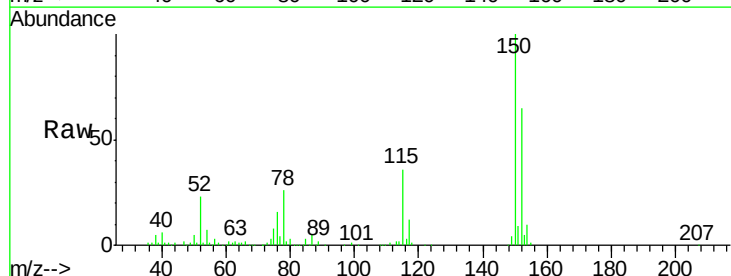


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

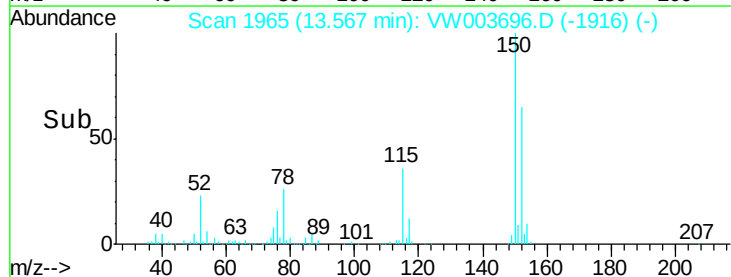
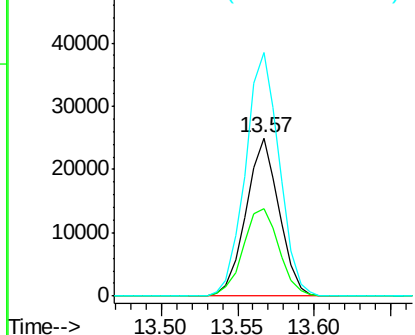


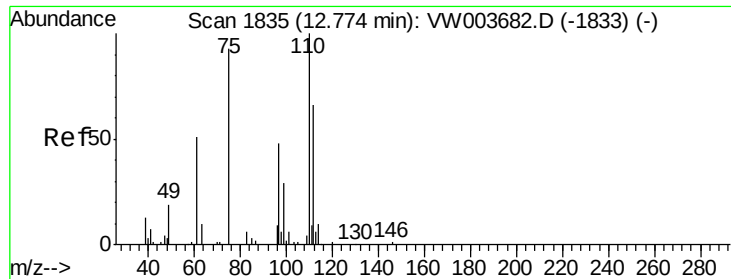
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003696.D
Acq: 03 Jul 2018 14:06

Tgt Ion:152 Resp: 37502
Ion Ratio Lower Upper
152 100
115 60.1 29.3 88.0
150 157.7 0.0 352.0



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: 50.959 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003696.D

Acq: 03 Jul 2018 14:06

Instrument :

MSVOA_W

ClientSampleId :

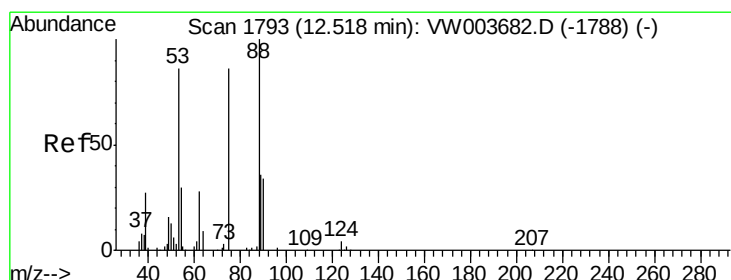
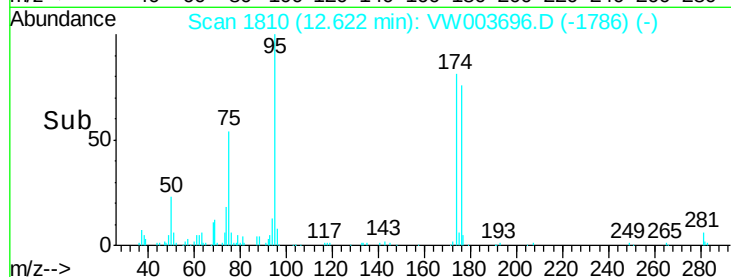
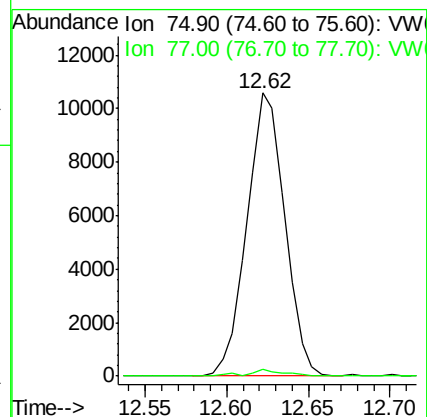
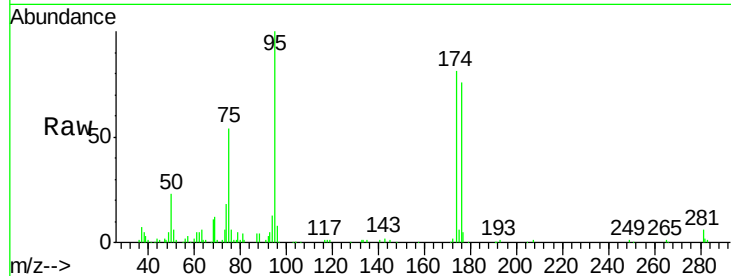
NB-08-062918

Tgt Ion: 75 Resp: 17183

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.977 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003696.D

Acq: 03 Jul 2018 14:06

Tgt Ion: 75 Resp: 17183

Ion Ratio Lower Upper

75 100

53 0.3 82.4 123.6#

89 0.2 35.9 53.9#

