

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102518\
 Data File : VW006339.D
 Acq On : 25 Oct 2018 02:20
 Operator : SY/AP
 Sample : J4771-07RE
 Misc : 7.1G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-102318

Quant Time: Oct 25 06:11:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	297143	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	432559	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	345947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	138627	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	122153	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
35) Dibromofluoromethane	7.88	113	116296	45.50	ug/l	0.00
Spiked Amount			Recovery	=	91.00%	
50) Toluene-d8	10.33	98	430054	44.23	ug/l	0.00
Spiked Amount			Recovery	=	88.46%	
62) 4-Bromofluorobenzene	12.62	95	128445	35.17	ug/l	0.00
Spiked Amount			Recovery	=	70.34%	

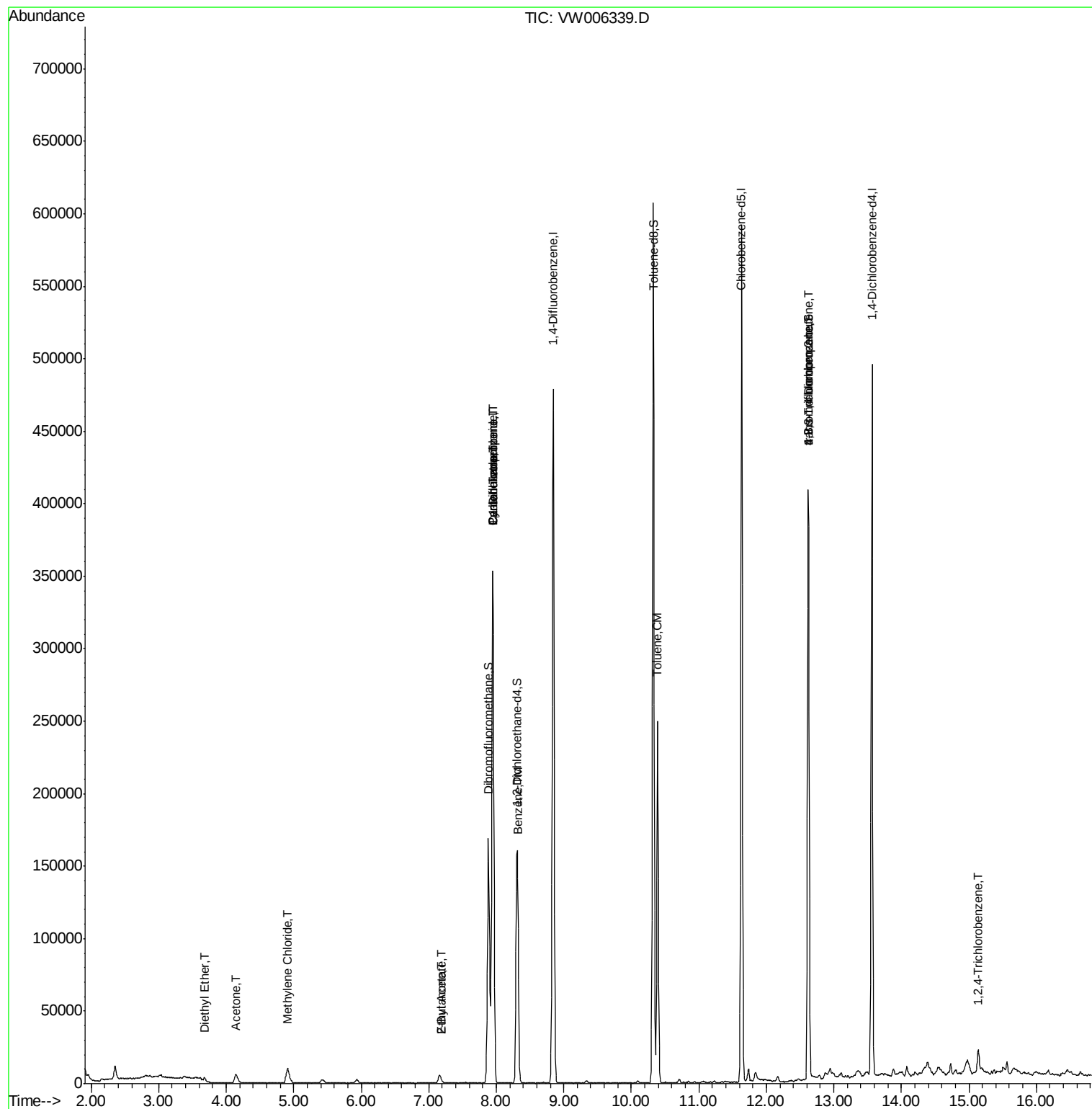
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1742	1.302	ug/l	72
16) Acetone	4.15	43	12890	13.910	ug/l	99
20) Methylene Chloride	4.91	84	8841	1.823	ug/l	88
25) 2-Butanone	7.19	43	1958	2.942	ug/l #	76
31) Cyclohexane	7.95	56	5372	1.192	ug/l #	20
36) 1,1-Dichloropropene	7.95	75	18944	4.751	ug/l #	49
37) Ethyl Acetate	7.19	43	1958	1.322	ug/l #	67
38) Carbon Tetrachloride	7.95	117	26029	5.955	ug/l #	16
40) Benzene	8.32	78	22120	2.023	ug/l	97
52) Toluene	10.39	92	104831	14.297	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	63532	60.002	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	63532	143.428	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.14	180	5317	1.623	ug/l #	90

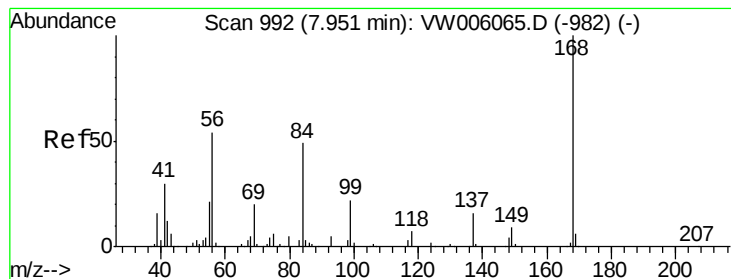
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 25 06:11:17 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006339.D

Acq: 25 Oct 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

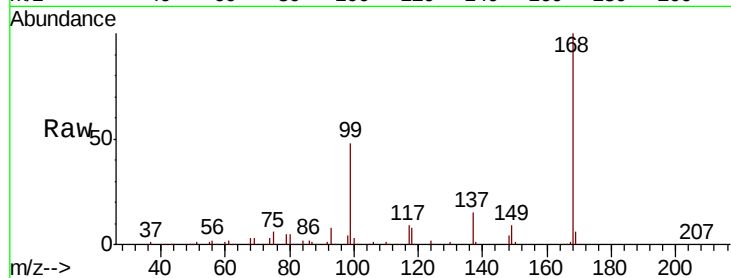
NB-08-102318

Tot Ion:168 Resp: 297143

Ion Ratio Lower Upper

168 100

99 48.3 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

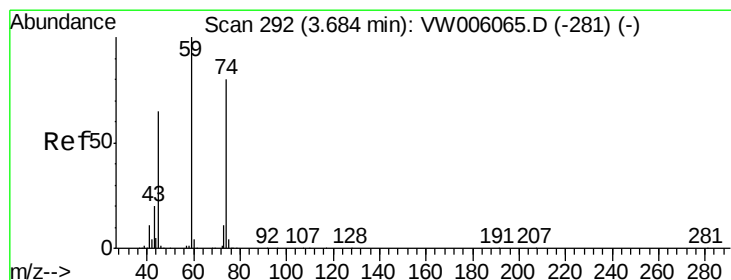
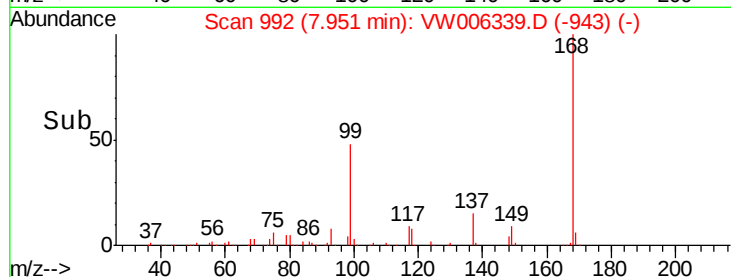
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.302 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW006339.D

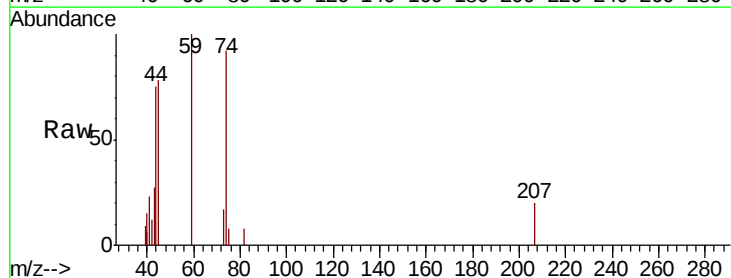
Acq: 25 Oct 2018 02:20

Tgt Ion: 74 Resp: 1742

Ion Ratio Lower Upper

74 100

45 111.5 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

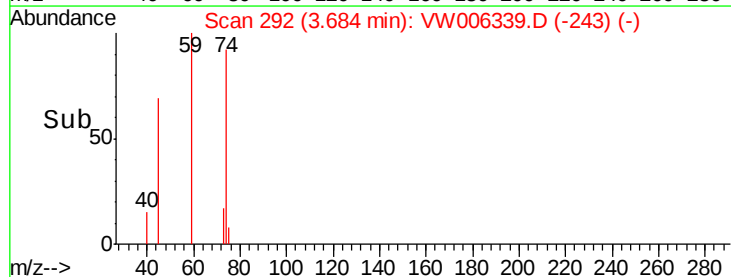
600

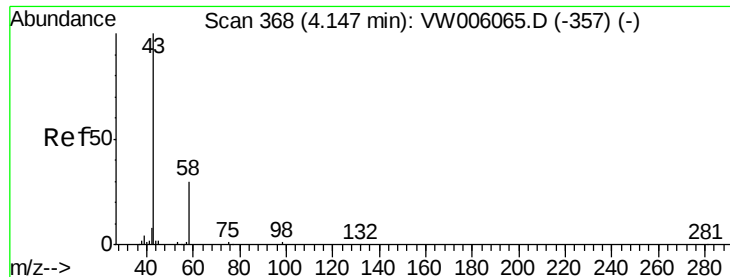
400

200

0

Time-->





#16

Acetone

Concen: 13.910 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006339.D

Acq: 25 Oct 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

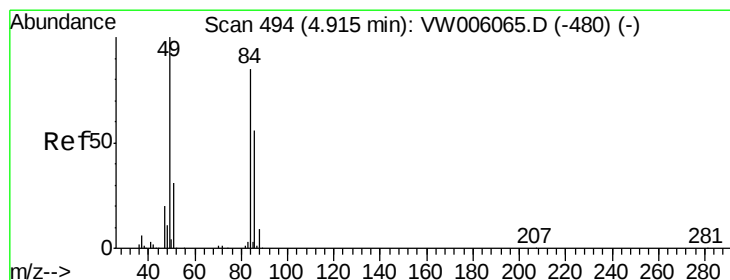
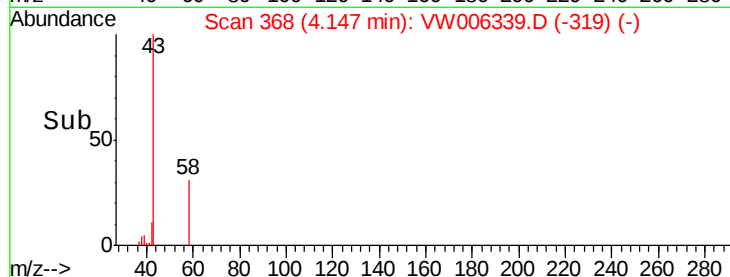
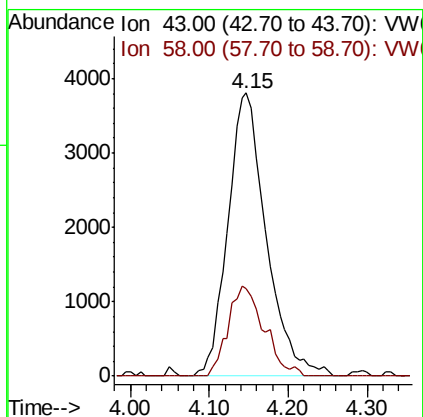
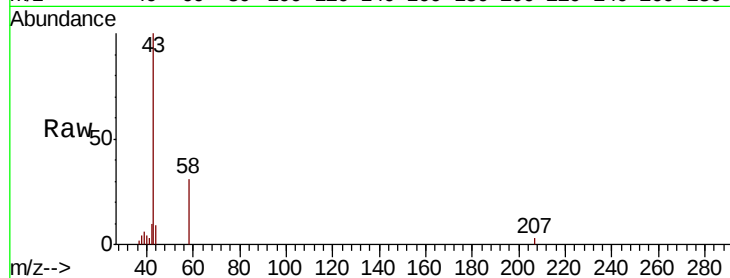
NB-08-102318

Tot Ion: 43 Resp: 12890

Ion Ratio Lower Upper

43 100

58 30.8 24.0 36.0



#20

Methylene Chloride

Concen: 1.823 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006339.D

Acq: 25 Oct 2018 02:20

Tgt Ion: 84 Resp: 8841

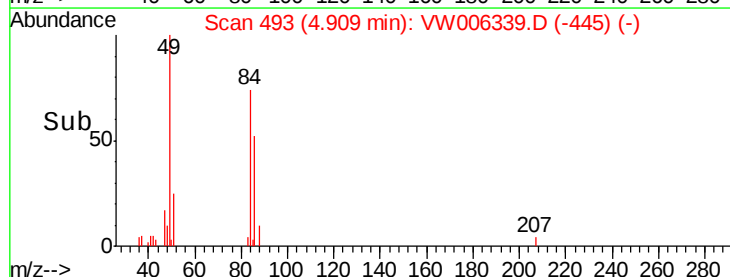
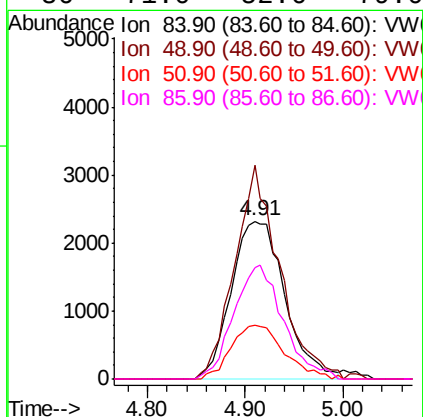
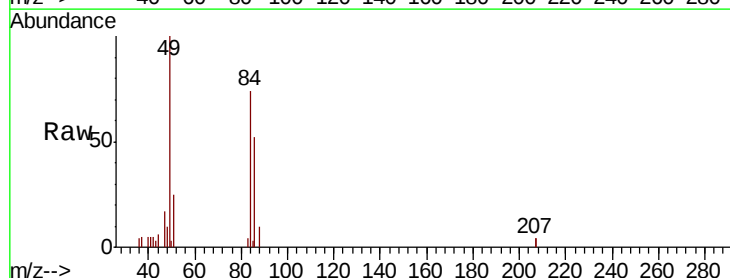
Ion Ratio Lower Upper

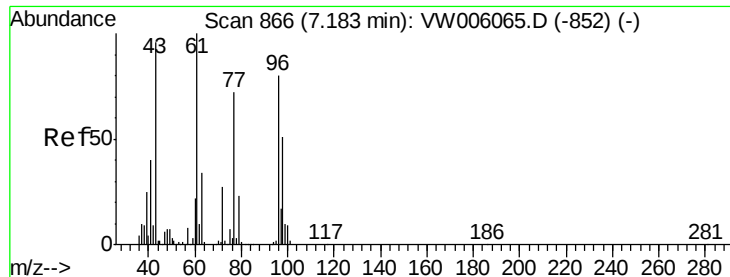
84 100

49 135.5 93.6 140.4

51 33.8 29.0 43.4

86 71.0 52.6 79.0





#25

2-Butanone

Concen: 2.942 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW006339.D

Acq: 25 Oct 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

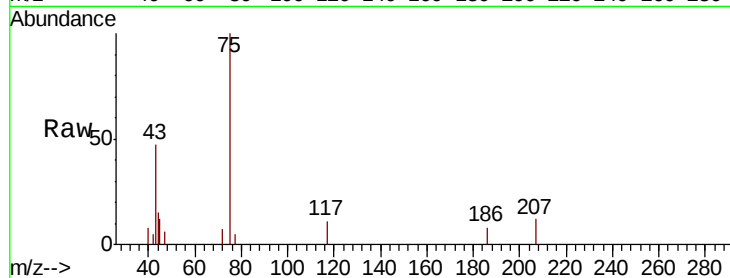
NB-08-102318

Tot Ion: 43 Resp: 1958

Ion Ratio Lower Upper

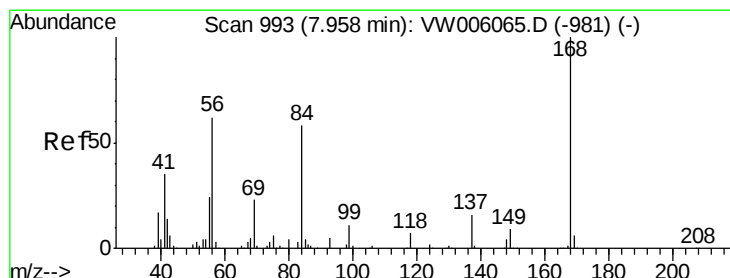
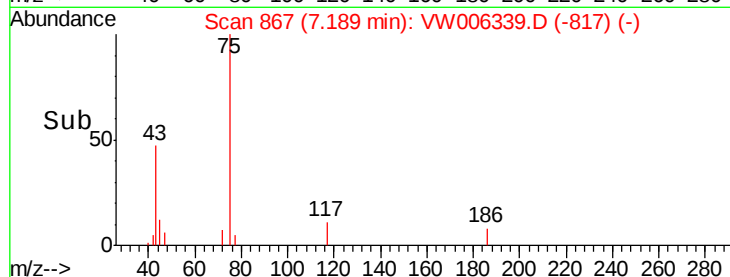
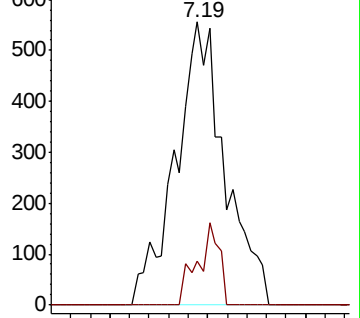
43 100

72 15.6 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.192 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006339.D

Acq: 25 Oct 2018 02:20

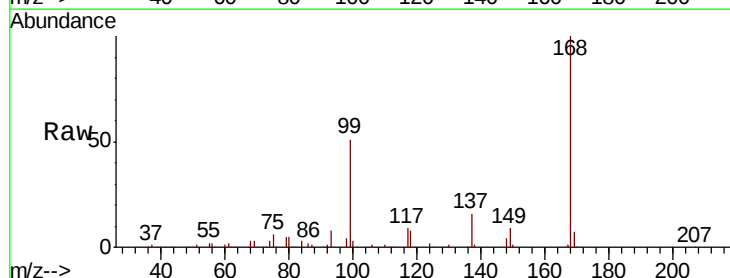
Tgt Ion: 56 Resp: 5372

Ion Ratio Lower Upper

56 100

69 142.7 29.4 44.0#

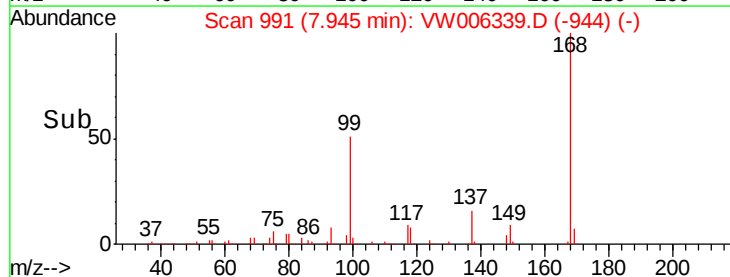
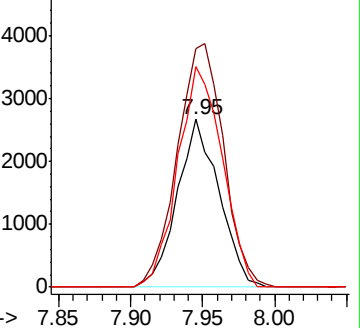
84 131.5 74.0 111.0#

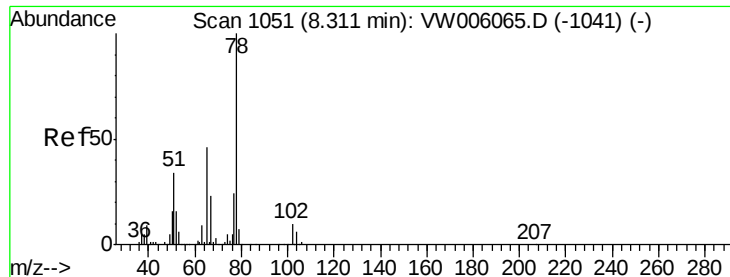


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

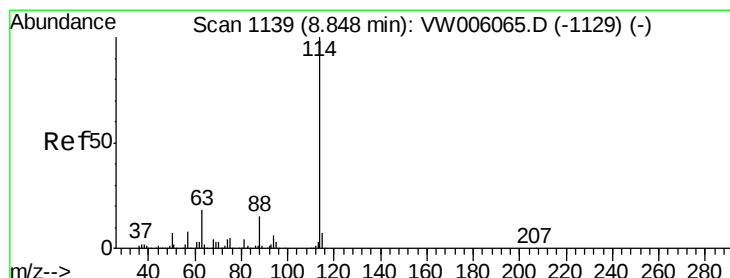
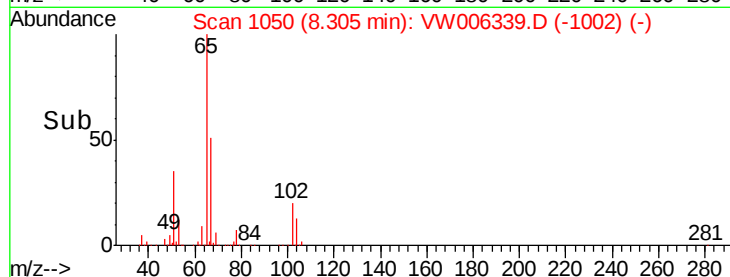
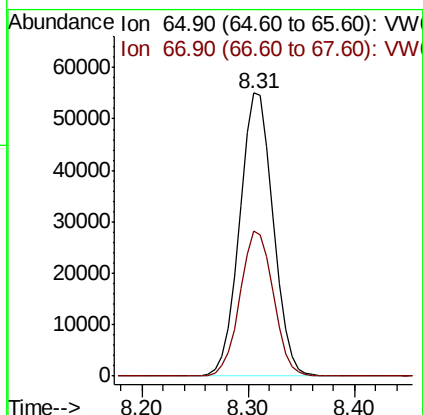
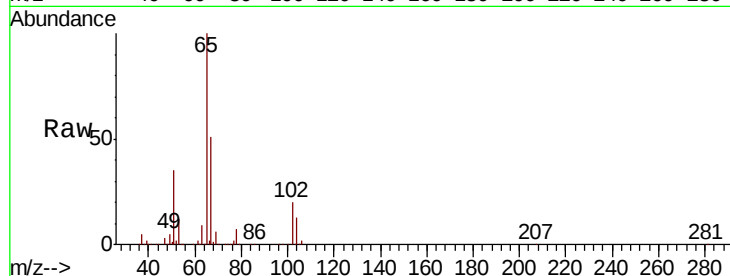




#33
 1,2-Dichloroethane-d4
 Concen: 49.586 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006339.D
 Acq: 25 Oct 2018 02:20

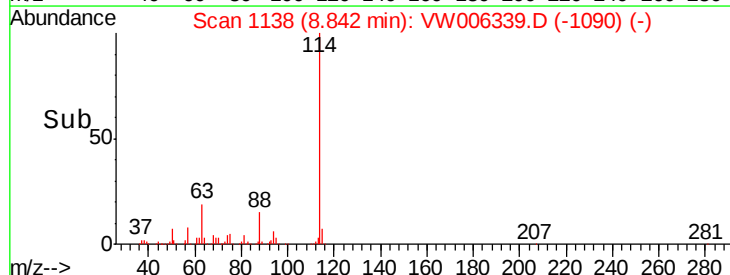
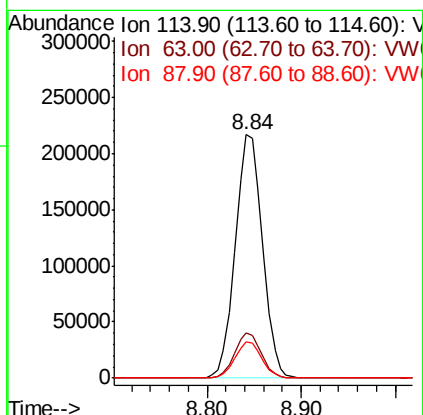
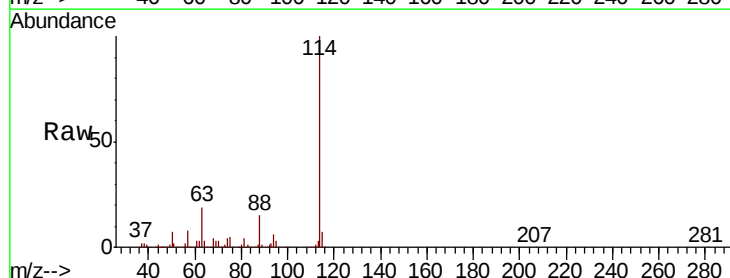
Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-102318

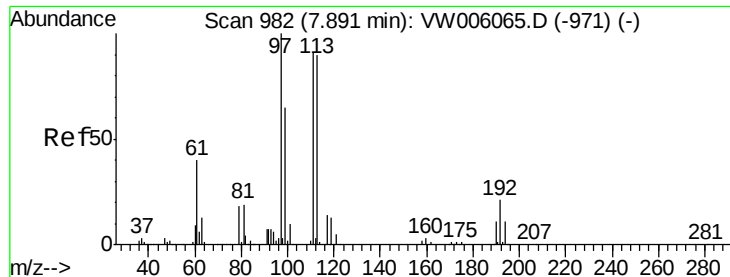
Tot Ion: 65 Resp: 122153
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006339.D
 Acq: 25 Oct 2018 02:20

Tgt Ion: 114 Resp: 432559
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.8
 88 14.8 0.0 29.0





#35

Dibromofluoromethane

Concen: 45.500 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006339.D

Acq: 25 Oct 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

NB-08-102318

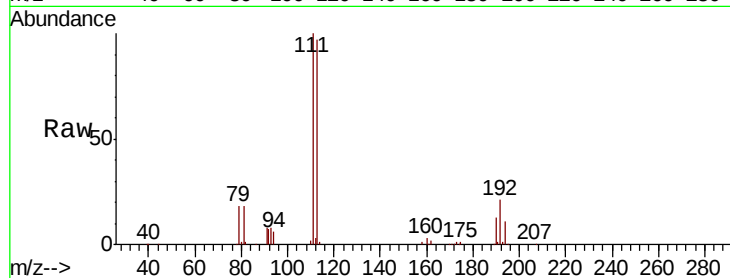
Tot Ion:113 Resp: 116296

Ion Ratio Lower Upper

113 100

111 103.6 81.4 122.0

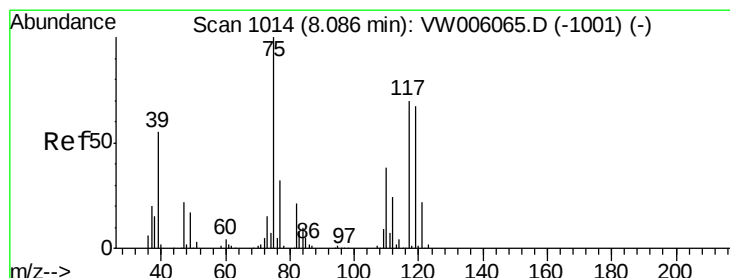
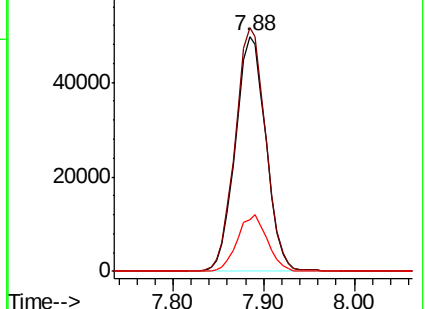
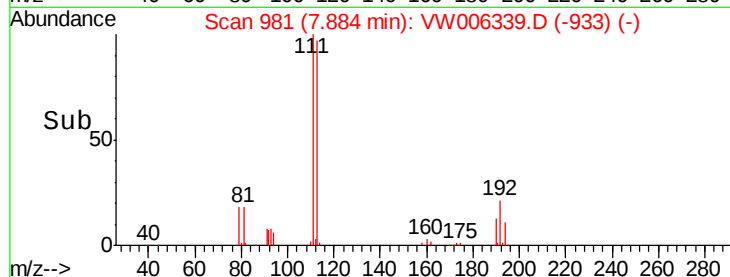
192 23.6 18.7 28.1



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: 4.751 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006339.D

Acq: 25 Oct 2018 02:20

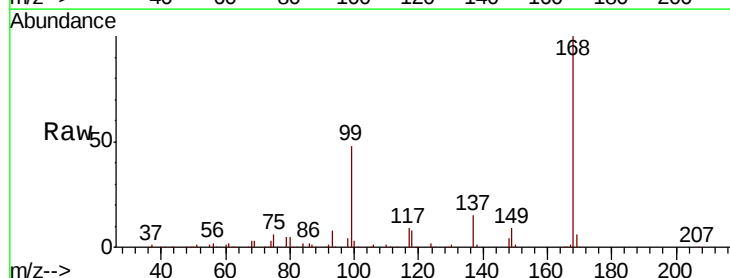
Tgt Ion: 75 Resp: 18944

Ion Ratio Lower Upper

75 100

110 9.7 19.1 57.1#

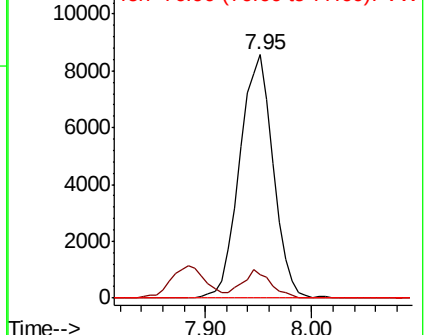
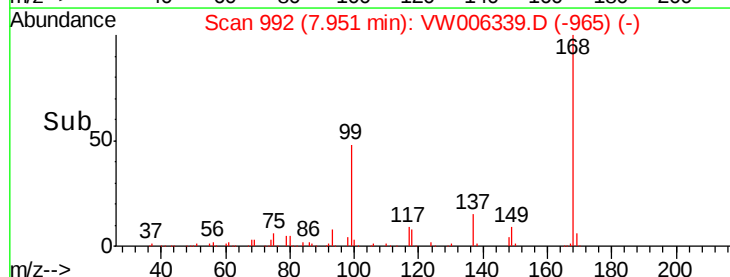
77 0.0 25.0 37.4#

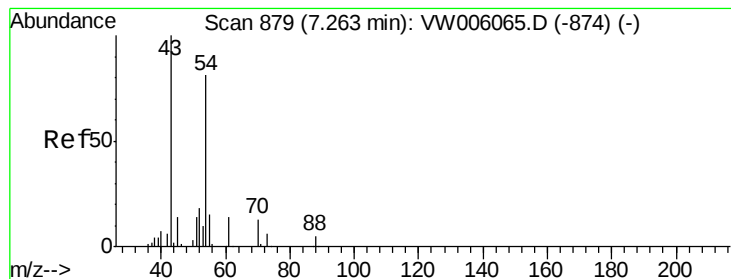


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 1.322 ug/l

RT: 7.19 min Scan# 867

Delta R.T. -0.07 min

Lab File: VW006339.D

Acq: 25 Oct 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

NB-08-102318

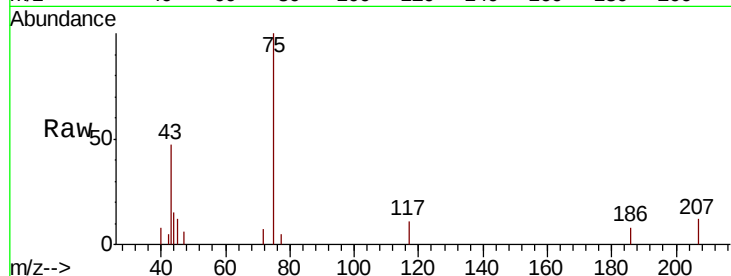
Tot Ion: 43 Resp: 1958

Ion Ratio Lower Upper

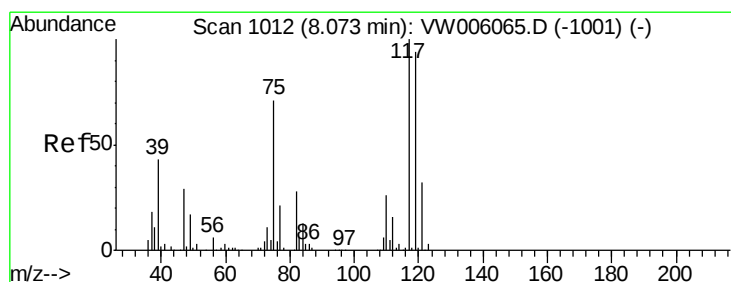
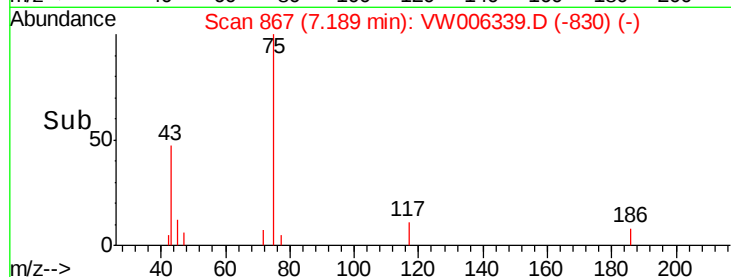
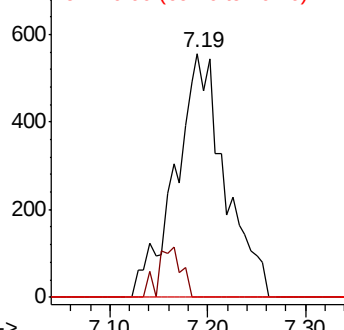
43 100

61 0.0 11.5 17.3#

70 0.0 9.2 13.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 5.955 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006339.D

Acq: 25 Oct 2018 02:20

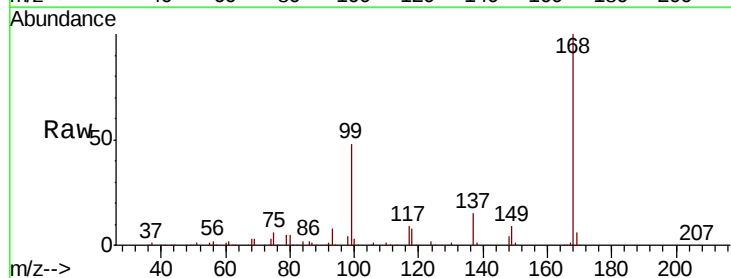
Tgt Ion: 117 Resp: 26029

Ion Ratio Lower Upper

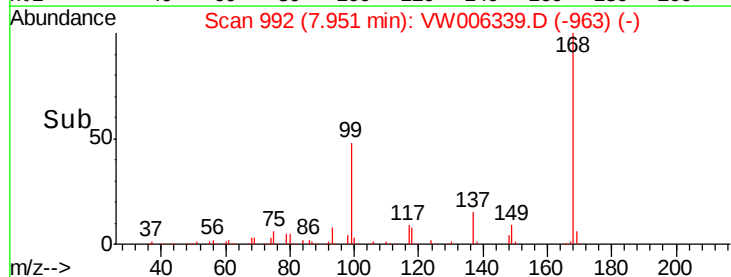
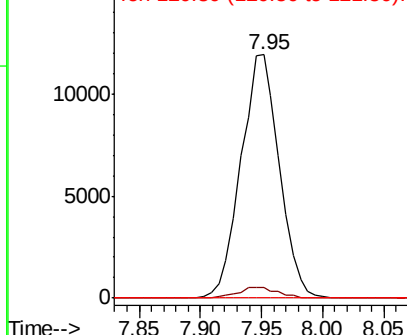
117 100

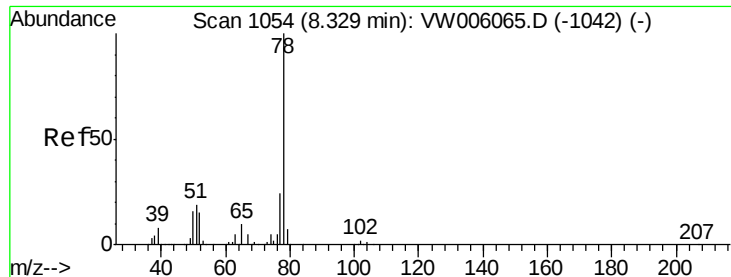
119 4.5 75.2 112.8#

121 0.0 25.3 37.9#



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

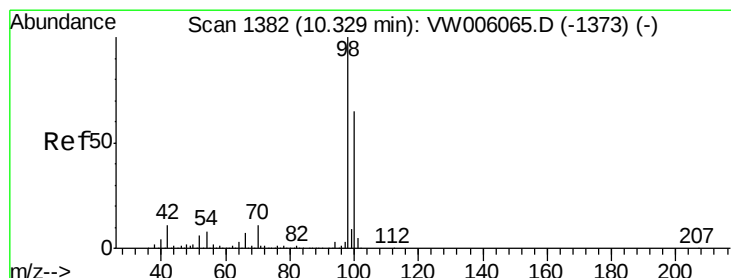
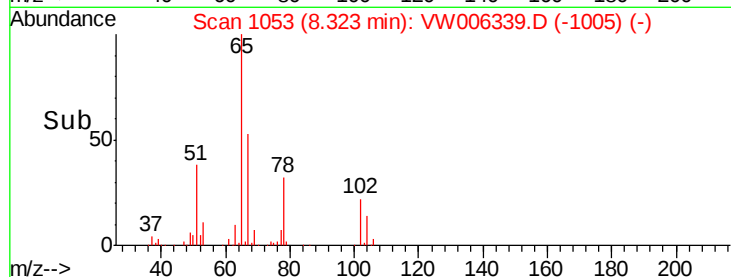
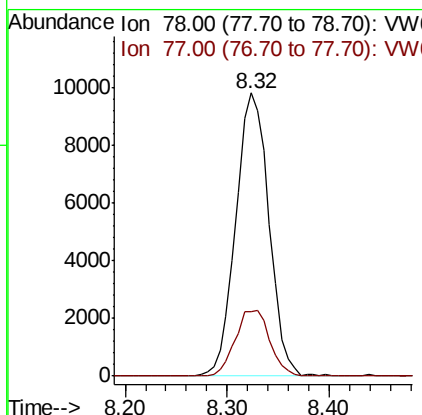
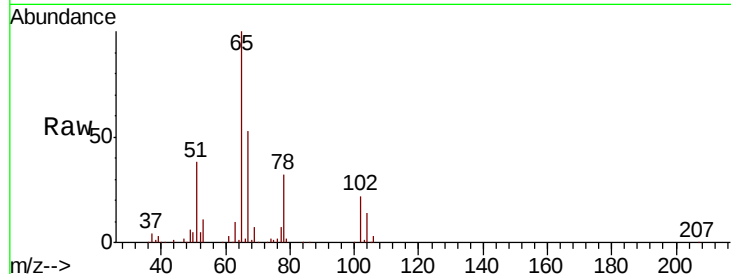




#40
Benzene
Concen: 2.023 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006339.D
Acq: 25 Oct 2018 02:20

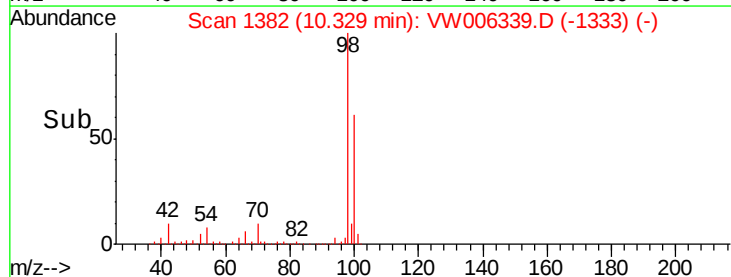
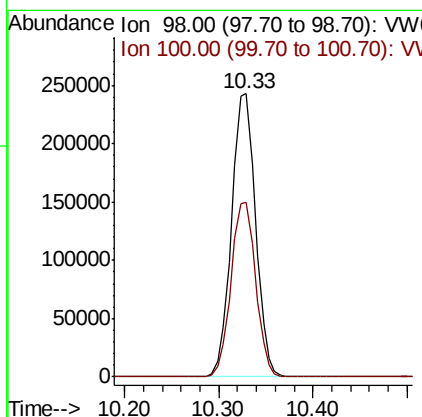
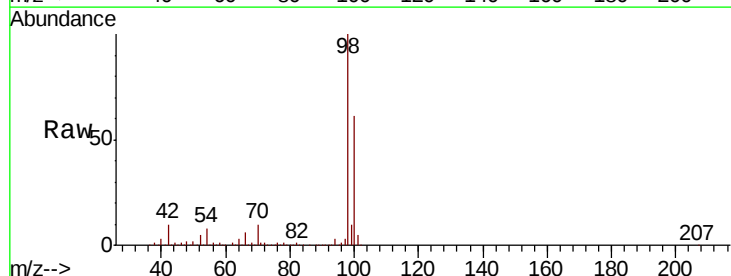
Instrument :
MSVOA_W
ClientSampleId :
NB-08-102318

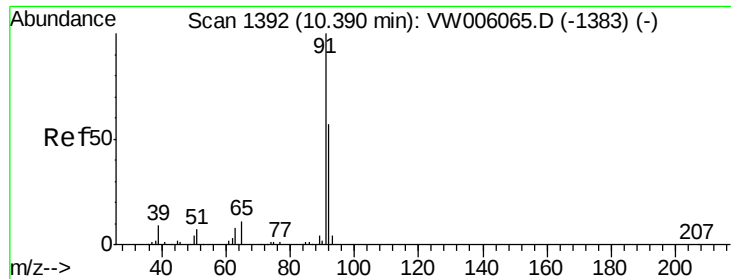
Tot Ion: 78 Resp: 22120
Ion Ratio Lower Upper
78 100
77 22.7 19.4 29.0



#50
Toluene-d8
Concen: 44.225 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006339.D
Acq: 25 Oct 2018 02:20

Tgt Ion: 98 Resp: 430054
Ion Ratio Lower Upper
98 100
100 63.2 51.6 77.4





#52

Toluene

Concen: 14.297 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006339.D

Acq: 25 Oct 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

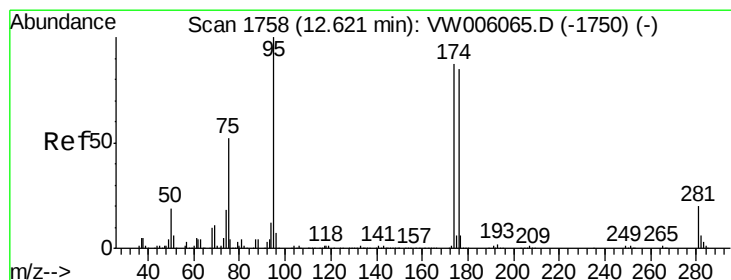
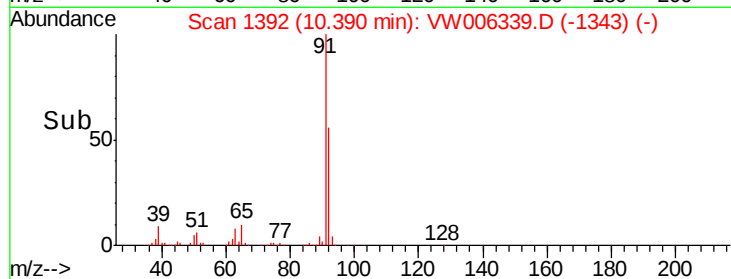
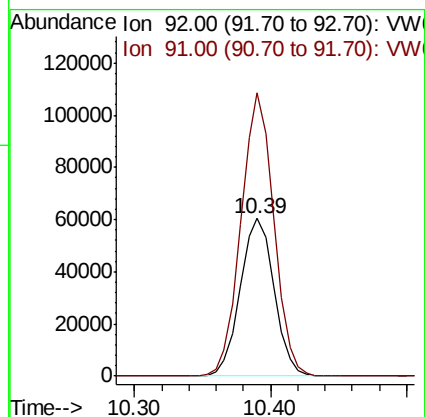
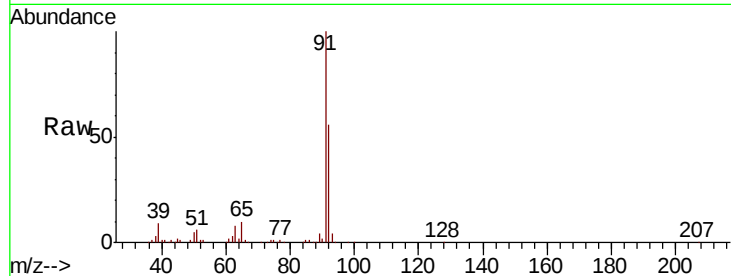
NB-08-102318

Tot Ion: 92 Resp: 104831

Ion Ratio Lower Upper

92 100

91 174.5 140.0 210.0



#62

4-Bromofluorobenzene

Concen: 35.168 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006339.D

Acq: 25 Oct 2018 02:20

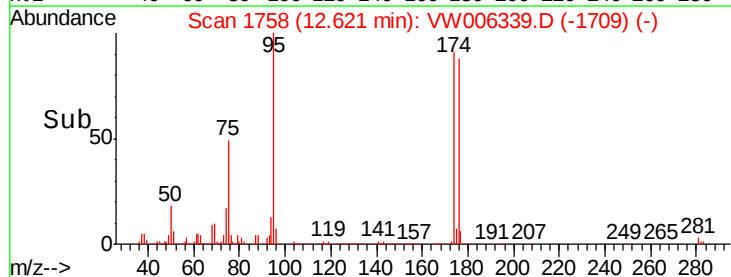
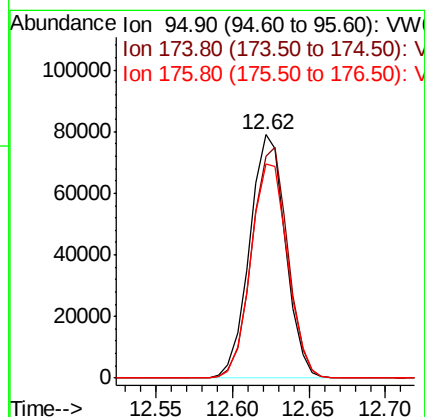
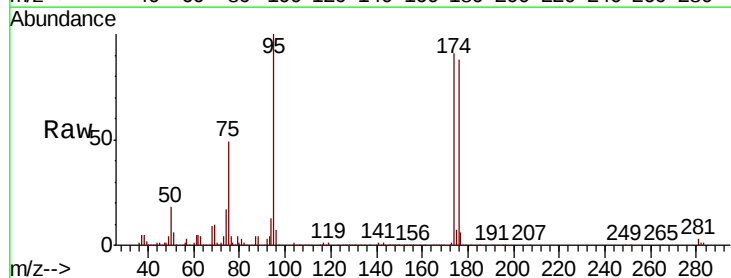
Tgt Ion: 95 Resp: 128445

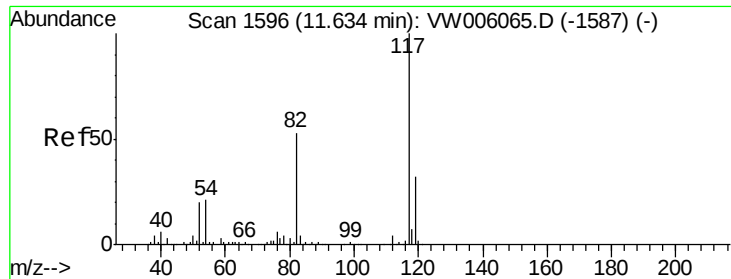
Ion Ratio Lower Upper

95 100

174 95.2 0.0 186.0

176 91.1 0.0 181.6

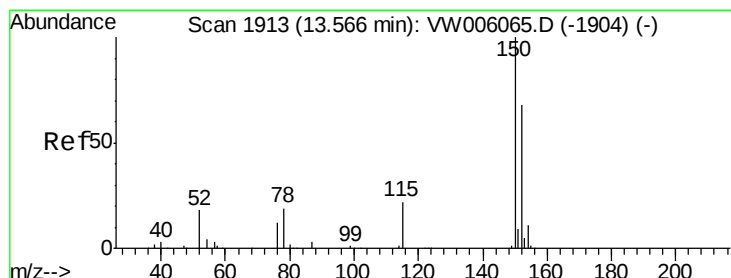
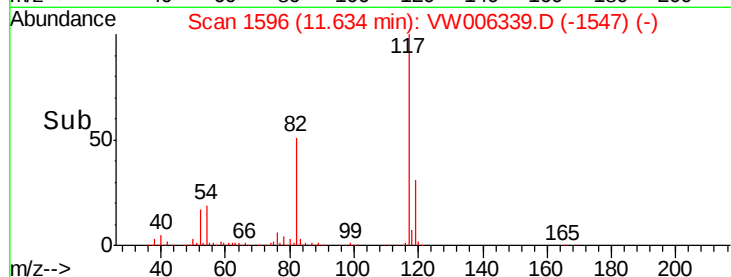
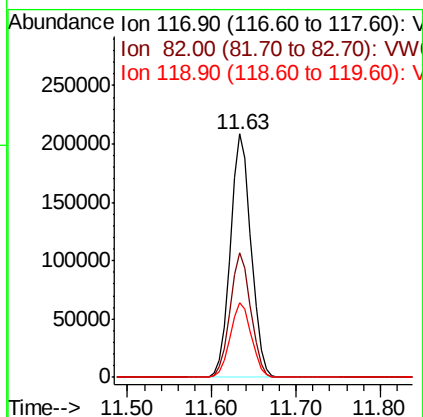
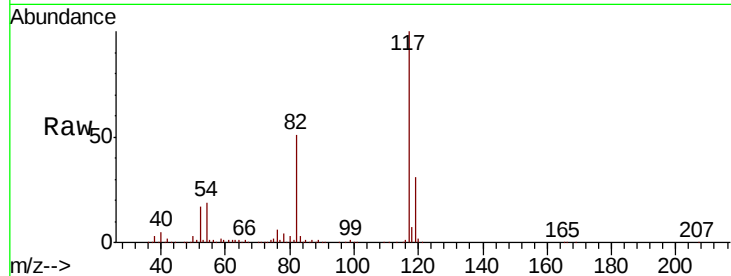




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006339.D
Acq: 25 Oct 2018 02:20

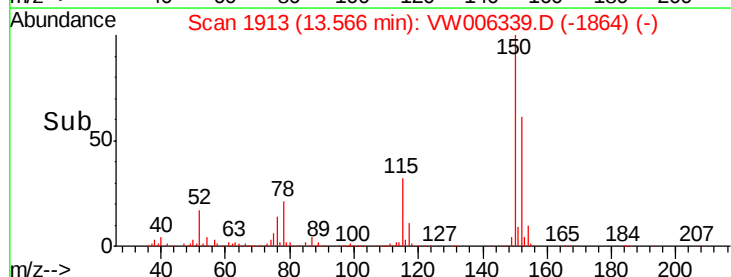
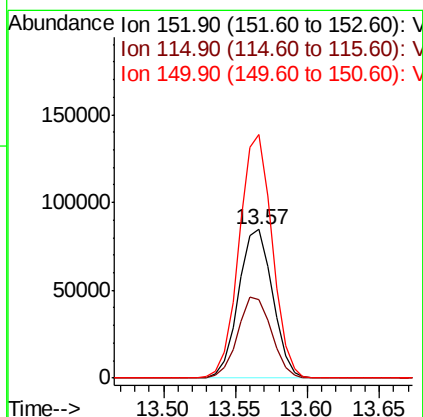
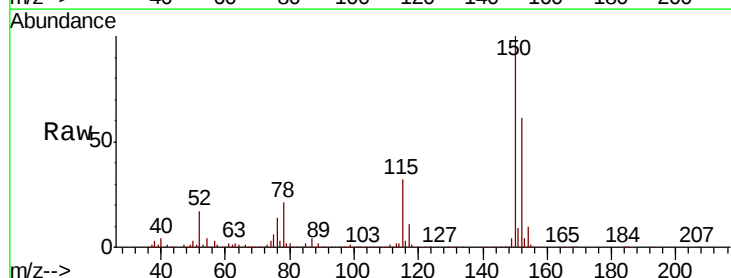
Instrument :
MSVOA_W
ClientSampled :
NB-08-102318

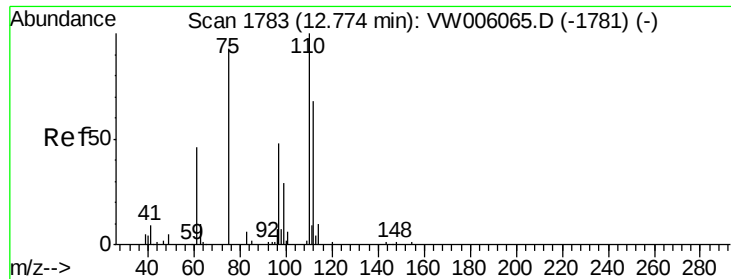
Tot Ion:117 Resp: 345947
Ion Ratio Lower Upper
117 100
82 51.2 42.1 63.1
119 30.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006339.D
Acq: 25 Oct 2018 02:20

Tgt Ion:152 Resp: 138627
Ion Ratio Lower Upper
152 100
115 54.1 27.8 83.3
150 159.1 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 60.002 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006339.D

Acq: 25 Oct 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

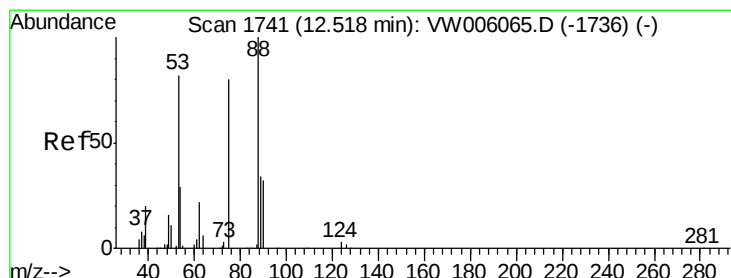
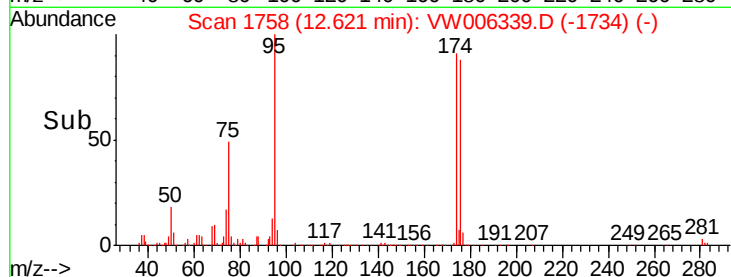
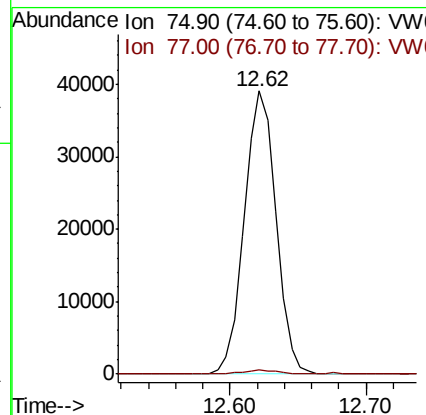
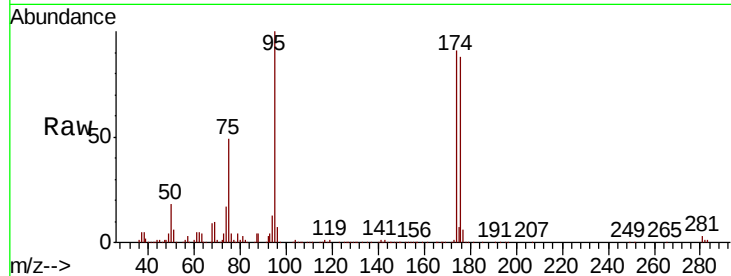
NB-08-102318

Tot Ion: 75 Resp: 63532

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 143.428 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006339.D

Acq: 25 Oct 2018 02:20

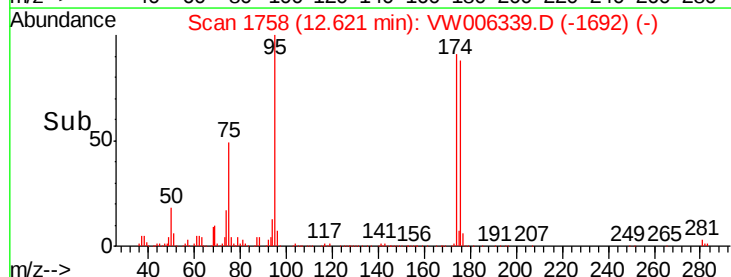
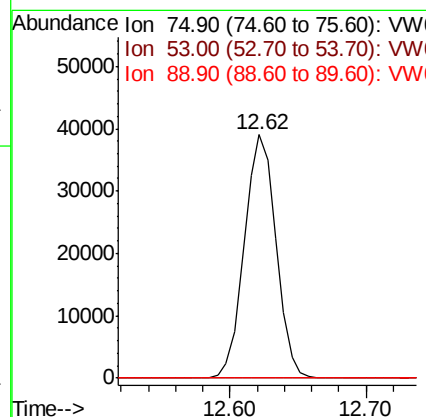
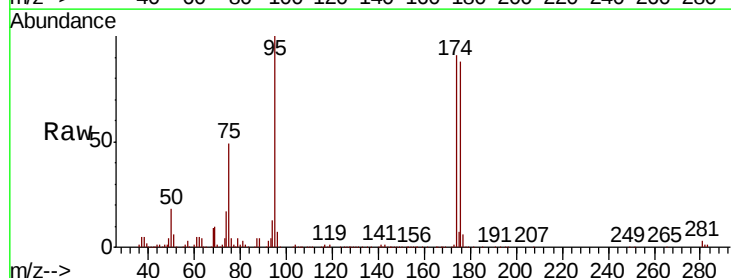
Tgt Ion: 75 Resp: 63532

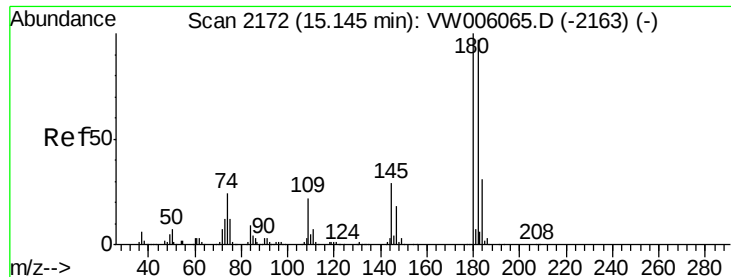
Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#





#93
 1,2,4-Trichlorobenzene
 Concen: 1.623 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006339.D
 Acq: 25 Oct 2018 02:20

Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-102318

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.9	143.6
145	43.3	14.2	42.8#

