

Data File : VW005139.D
Acq On : 05 Sep 2018 19:36
Operator : SY/AP
Sample : J4712-06RE
Misc : 6.50G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-04RE

Quant Time: Sep 06 01:22:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 01 03:35:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	559614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	886155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	837964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	371876	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	305892	65.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.88%	
35) Dibromofluoromethane	7.89	113	280988	54.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.74%	
50) Toluene-d8	10.33	98	1117219	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
62) 4-Bromofluorobenzene	12.63	95	399817	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	

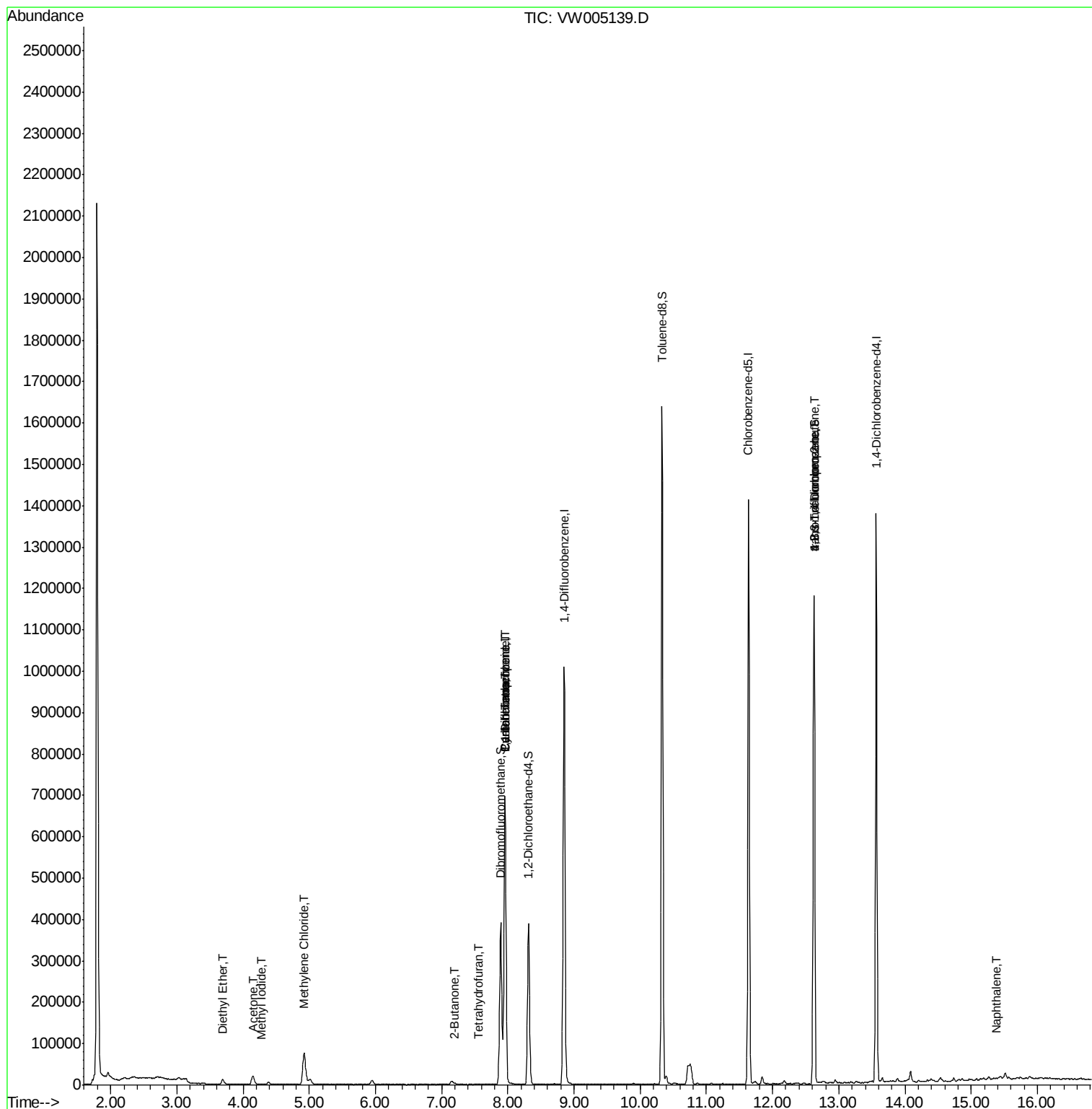
Target Compounds			Qvalue			
5) Bromomethane	2.78	94	819	Below Cal	#	68
8) Diethyl Ether	3.68	74	6339	2.447	ug/l	88
10) Methyl Iodide	4.28	142	135	3.836	ug/l #	44
11) Tert butyl alcohol	5.19	59	27	Below Cal	#	72
16) Acetone	4.15	43	36783	39.537	ug/l	97
20) Methylene Chloride	4.92	84	62286	6.526	ug/l	98
25) 2-Butanone	7.20	43	4385	2.717	ug/l #	80
29) Tetrahydrofuran	7.55	42	1409	1.709	ug/l #	66
31) Cyclohexane	7.96	56	10189	1.118	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	39651	4.698	ug/l #	48
38) Carbon Tetrachloride	7.96	117	50875	6.340	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	188312	67.462	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	188312	162.373	ug/l #	15
95) Naphthalene	15.38	128	3680	4.232	ug/l #	96

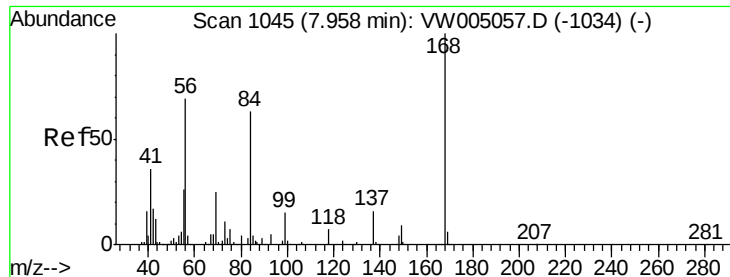
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

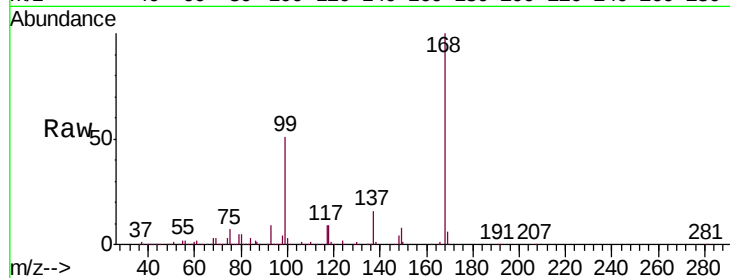
SB-04RE

Tgt Ion:168 Resp: 559614

Ion Ratio Lower Upper

168 100

99 51.3 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

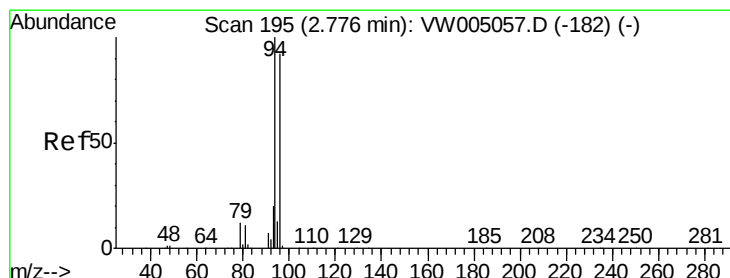
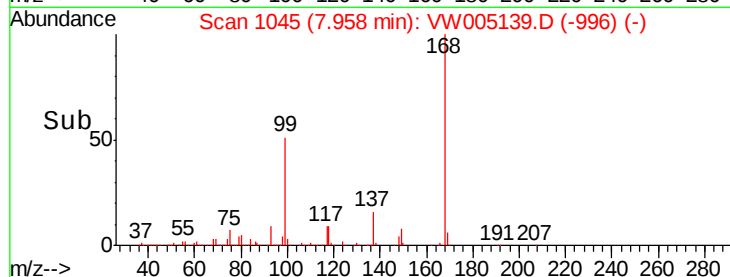
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW005139.D

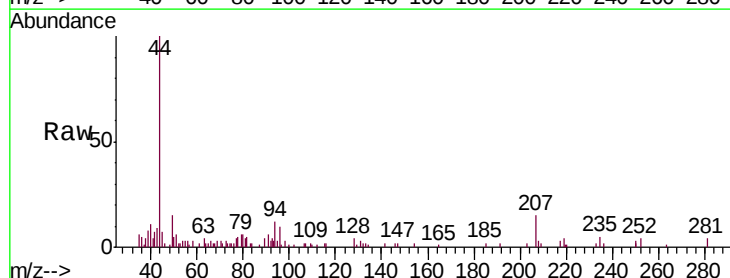
Acq: 05 Sep 2018 19:36

Tgt Ion: 94 Resp: 819

Ion Ratio Lower Upper

94 100

96 61.5 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

600

500

400

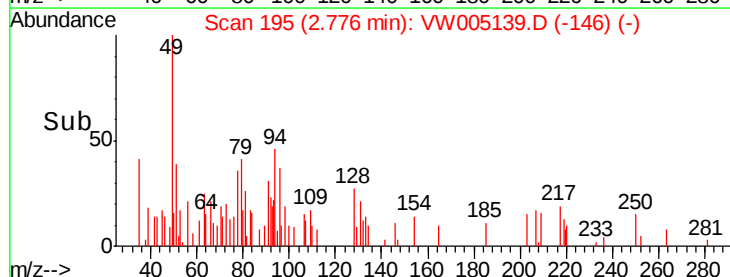
300

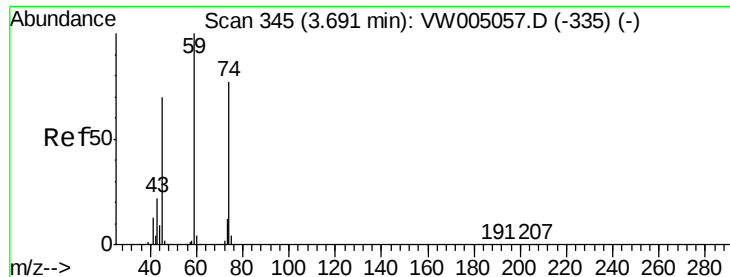
200

100

0

Time-->





#8

Diethyl Ether

Concen: 2.447 ug/l

RT: 3.68 min Scan# 344

Delta R.T. -0.01 min

Lab File: VW005139.D

Acq: 05 Sep 2018 19:36

Instrument :

MSVOA_W

ClientSampleId :

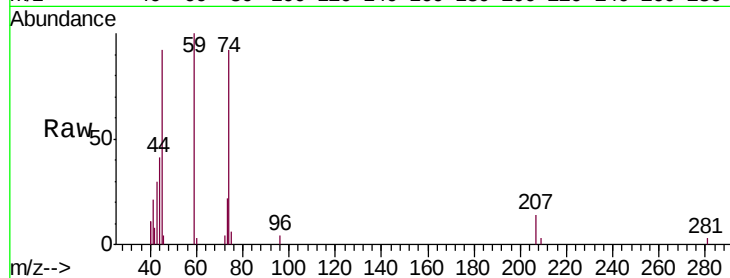
SB-04RE

Tgt Ion: 74 Resp: 6339

Ion Ratio Lower Upper

74 100

45 103.5 46.0 137.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3000

2500

2000

1500

1000

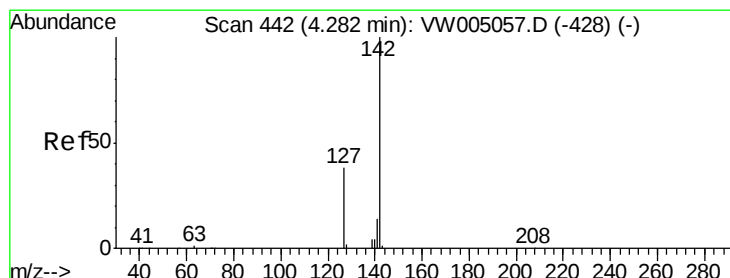
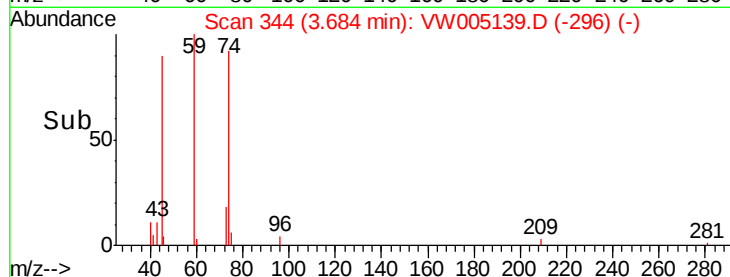
500

0

Time-->

3.60 3.65 3.70 3.75 3.80

3.68



#10

Methyl Iodide

Concen: 3.836 ug/l

RT: 4.28 min Scan# 441

Delta R.T. -0.01 min

Lab File: VW005139.D

Acq: 05 Sep 2018 19:36

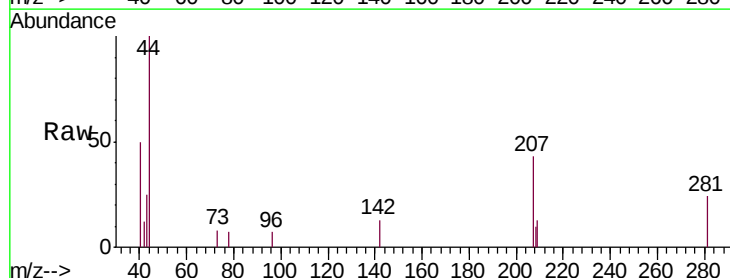
Tgt Ion: 142 Resp: 135

Ion Ratio Lower Upper

142 100

127 0.0 30.8 46.2#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

100

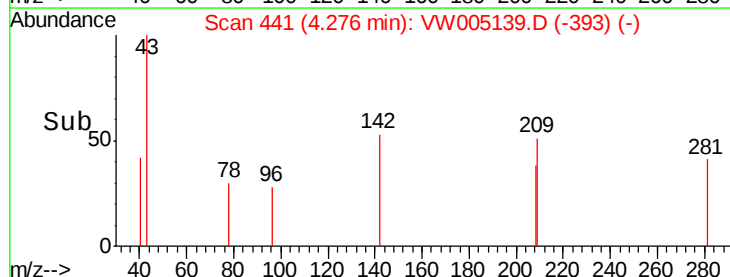
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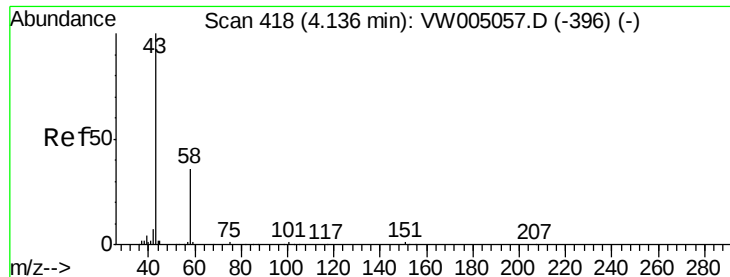
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Time-->

4.24 4.26 4.28 4.30 4.32

4.28





#16

Acetone

Concen: 39.537 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW005139.D

Acq: 05 Sep 2018 19:36

Instrument :

MSVOA_W

ClientSampled :

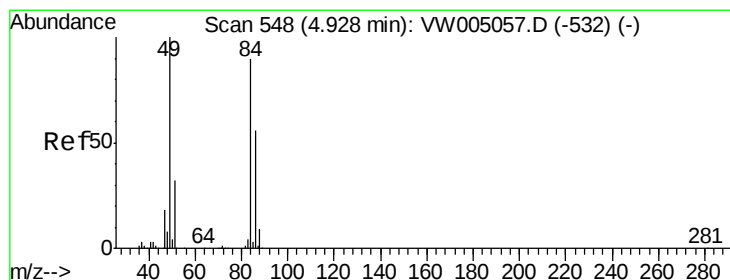
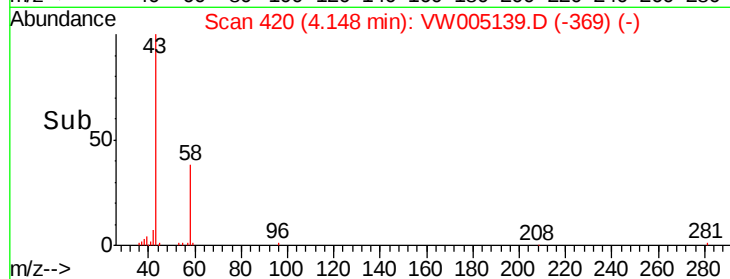
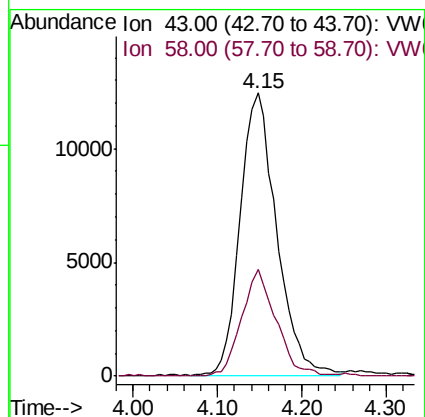
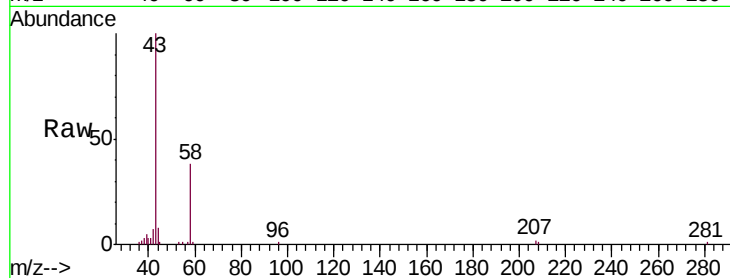
SB-04RE

Tgt Ion: 43 Resp: 36783

Ion Ratio Lower Upper

43 100

58 37.9 29.0 43.6



#20

Methylene Chloride

Concen: 6.526 ug/l

RT: 4.92 min Scan# 547

Delta R.T. -0.01 min

Lab File: VW005139.D

Acq: 05 Sep 2018 19:36

Tgt Ion: 84 Resp: 62286

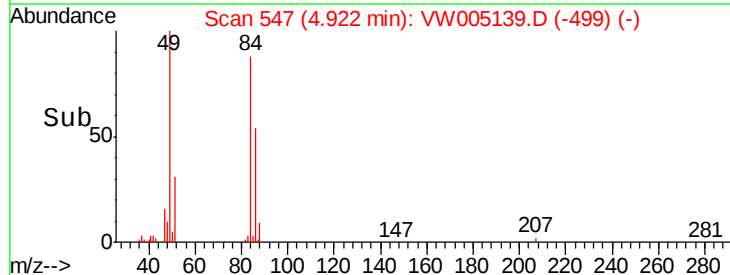
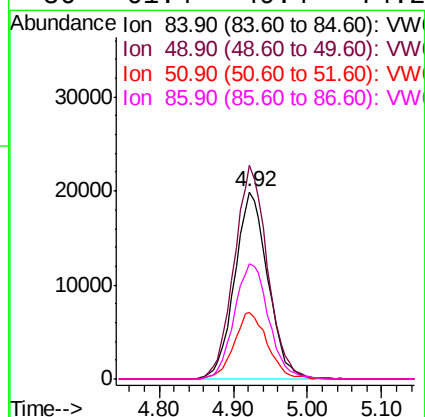
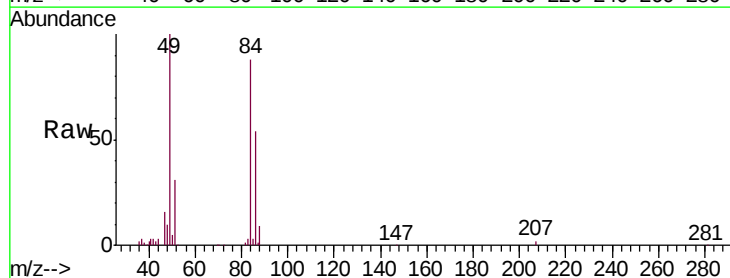
Ion Ratio Lower Upper

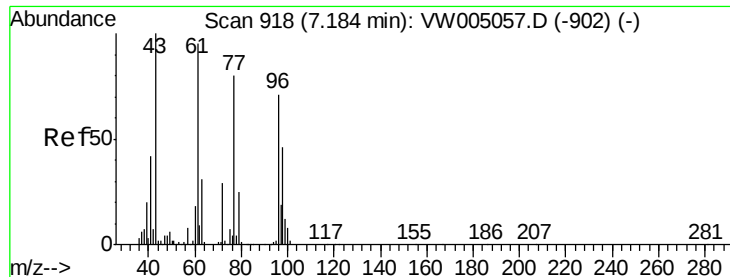
84 100

49 113.9 88.7 133.1

51 35.6 28.6 42.8

86 61.4 49.4 74.2





#25

2-Butanone

Concen: 2.717 ug/l

RT: 7.20 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW005139.D

Acq: 05 Sep 2018 19:36

Instrument :

MSVOA_W

ClientSampled :

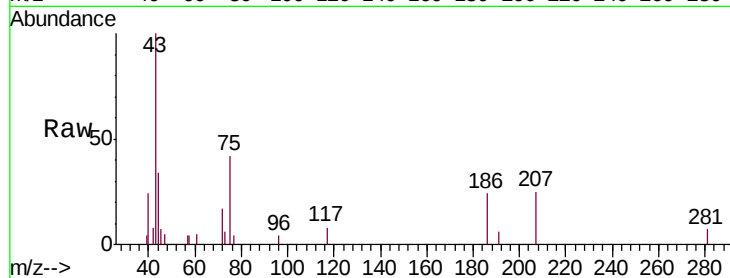
SB-04RE

Tgt Ion: 43 Resp: 4385

Ion Ratio Lower Upper

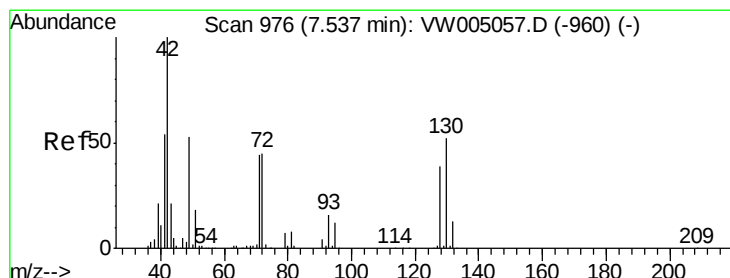
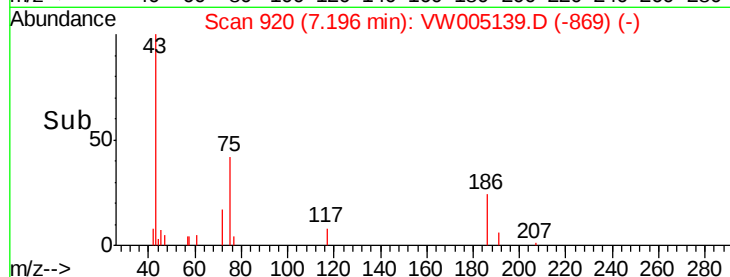
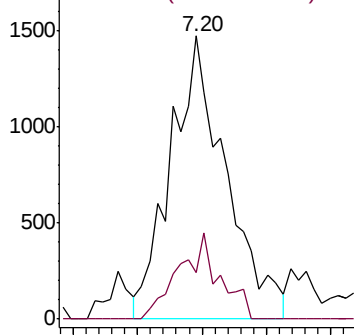
43 100

72 18.1 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 1.709 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.01 min

Lab File: VW005139.D

Acq: 05 Sep 2018 19:36

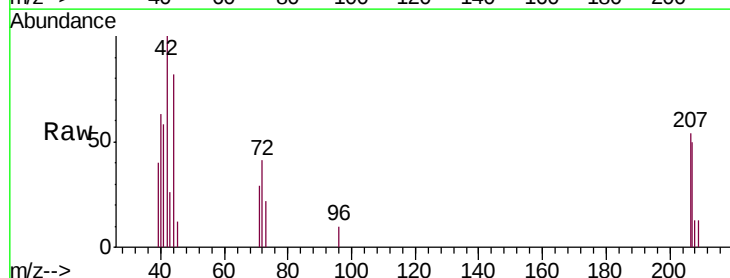
Tgt Ion: 42 Resp: 1409

Ion Ratio Lower Upper

42 100

72 18.0 37.0 55.4#

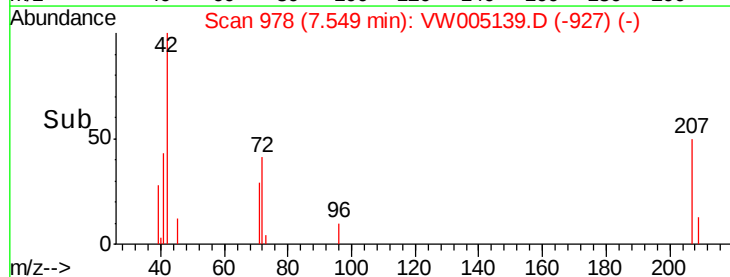
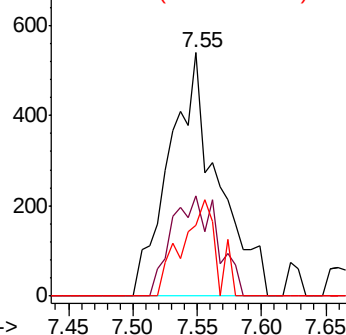
71 28.2 35.0 52.6#

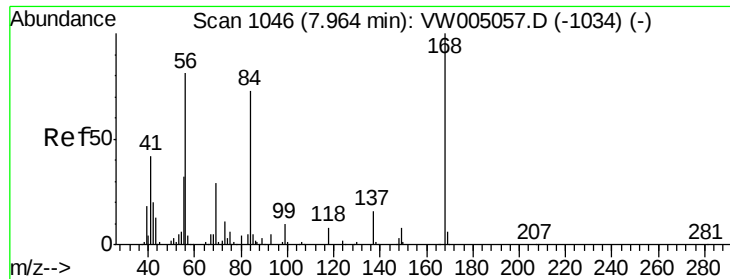


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

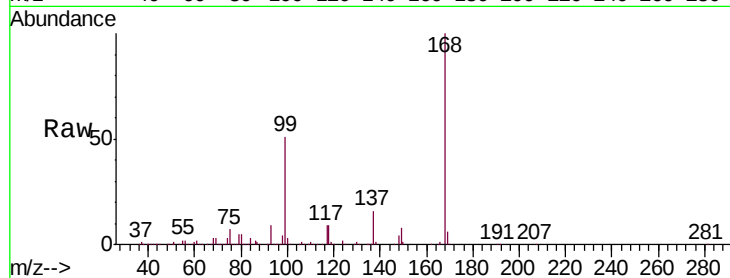




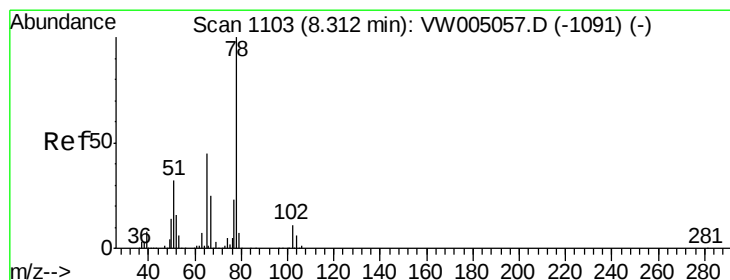
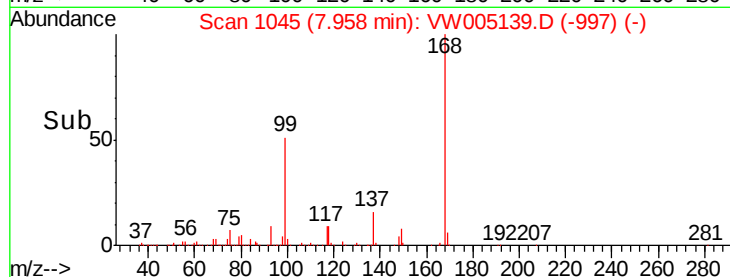
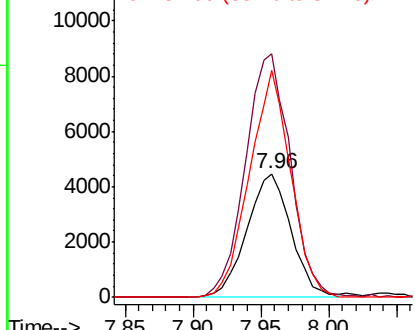
#31
Cyclohexane
Concen: 1.118 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VW005139.D
Acq: 05 Sep 2018 19:36

Instrument :
MSVOA_W
ClientSampled :
SB-04RE

Tgt Ion: 56 Resp: 10189
Ion Ratio Lower Upper
56 100
69 197.1 28.2 42.2#
84 184.0 71.8 107.8#

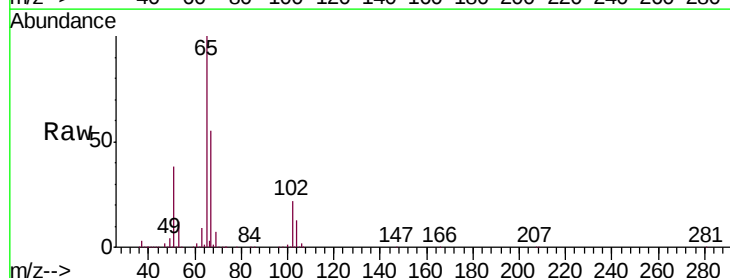


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

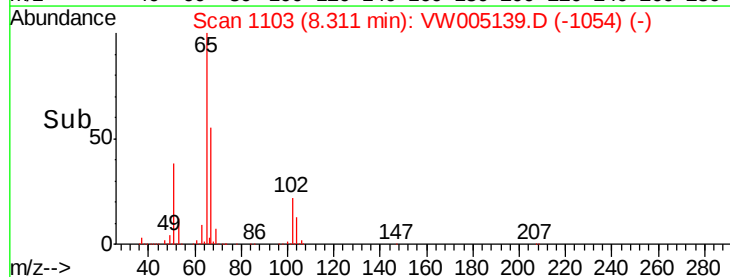
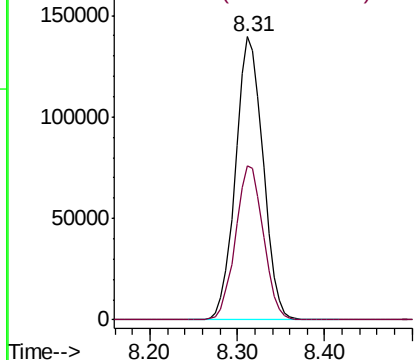


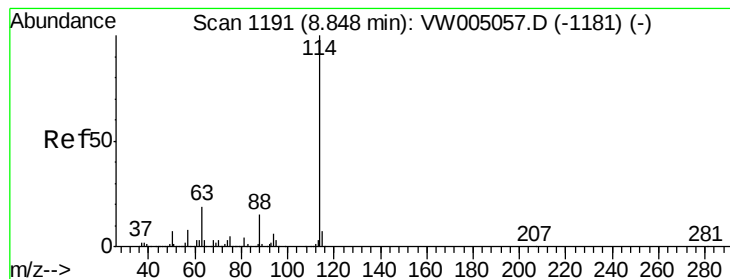
#33
1,2-Dichloroethane-d4
Concen: 65.940 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VW005139.D
Acq: 05 Sep 2018 19:36

Tgt Ion: 65 Resp: 305892
Ion Ratio Lower Upper
65 100
67 55.0 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: VW005139.D

Acq: 05 Sep 2018 19:36

Instrument :

MSVOA_W

ClientSampleId :

SB-04RE

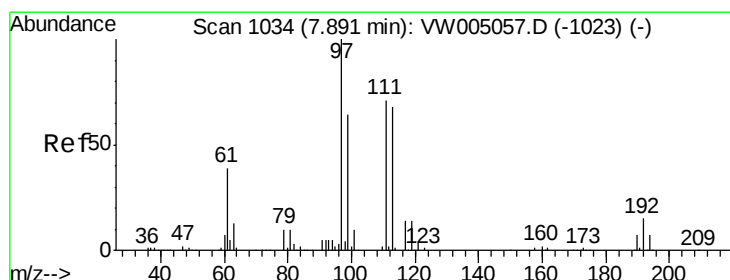
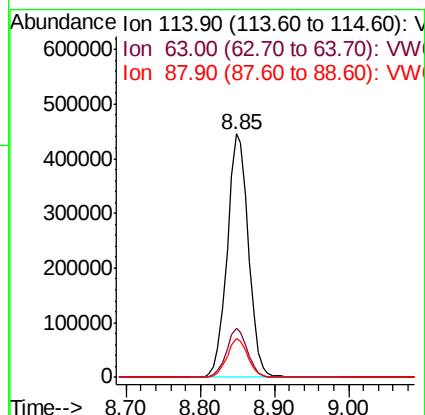
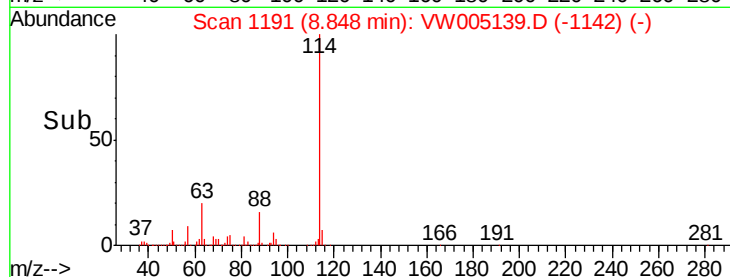
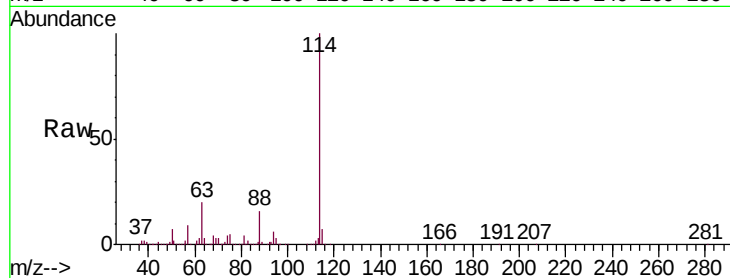
Tgt Ion:114 Resp: 886155

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.0

88 15.8 0.0 30.2



#35

Dibromofluoromethane

Concen: 54.870 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VW005139.D

Acq: 05 Sep 2018 19:36

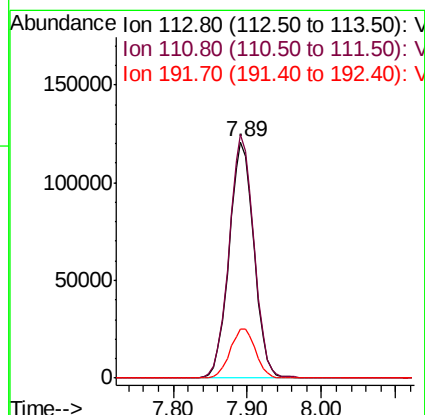
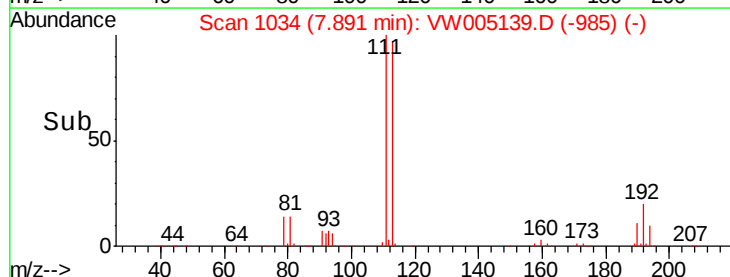
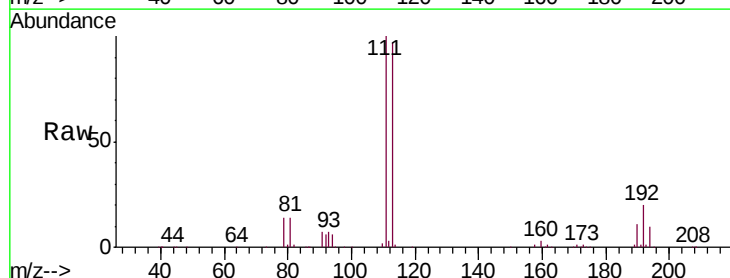
Tgt Ion:113 Resp: 280988

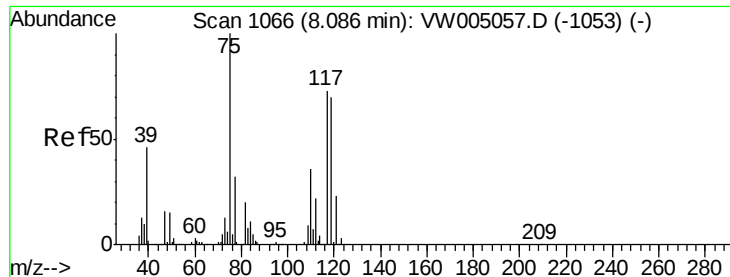
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

192 21.4 18.1 27.1





#36

1,1-Dichloropropene

Concen: 4.698 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.13 min

Lab File: VW005139.D

Acq: 05 Sep 2018 19:36

Instrument :

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SB-04RE

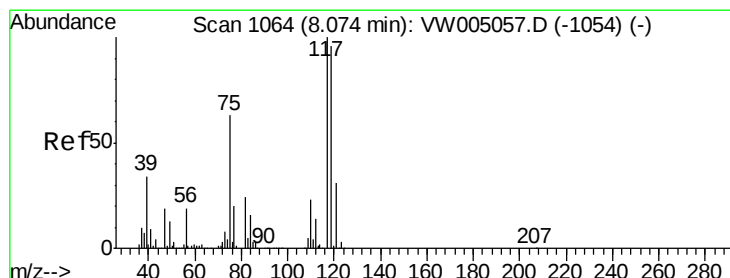
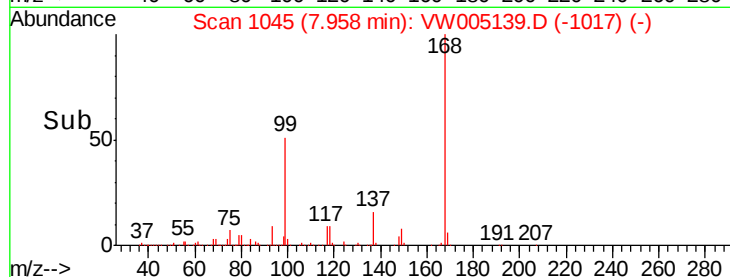
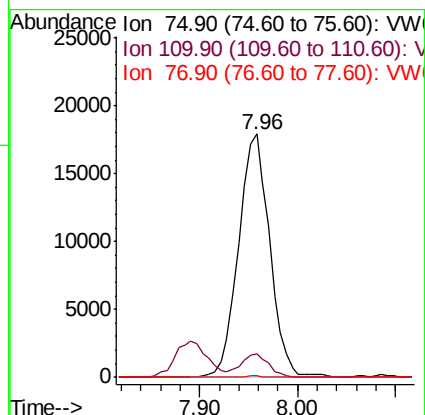
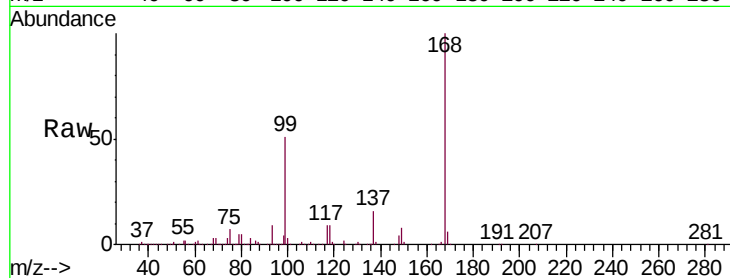
Tgt Ion: 75 Resp: 39651

Ion Ratio Lower Upper

75 100

110 8.4 18.9 56.7#

77 0.3 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 6.340 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.12 min

Lab File: VW005139.D

Acq: 05 Sep 2018 19:36

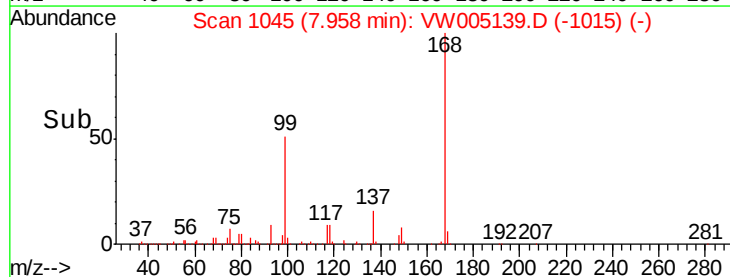
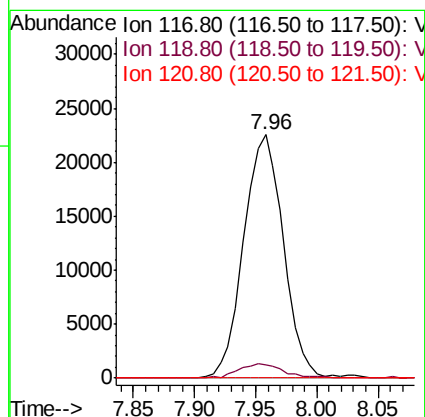
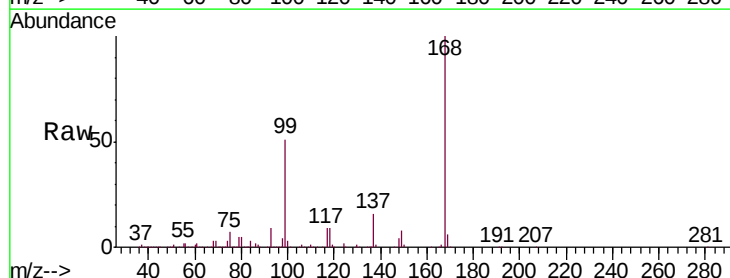
Tgt Ion: 117 Resp: 50875

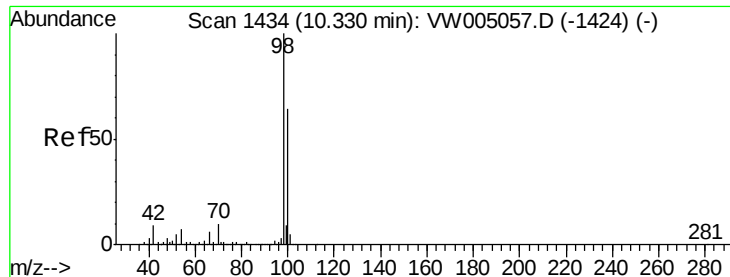
Ion Ratio Lower Upper

117 100

119 5.7 76.6 115.0#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 47.347 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005139.D

Acq: 05 Sep 2018 19:36

Instrument :

MSVOA_W

ClientSampleId :

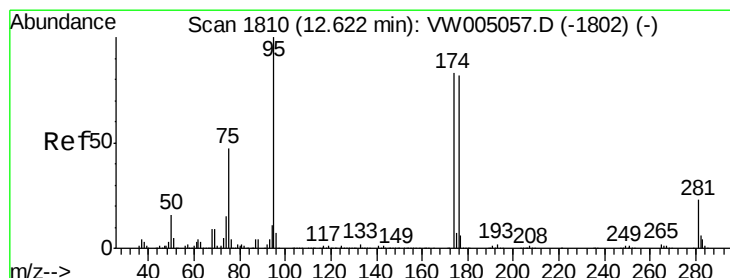
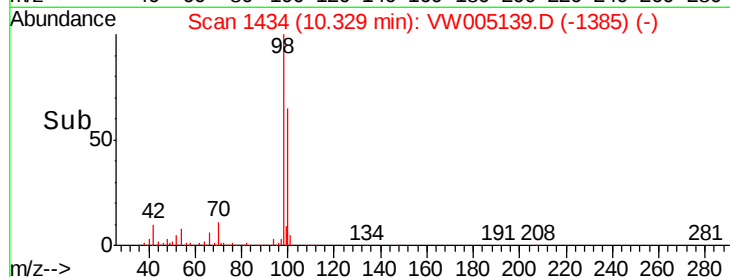
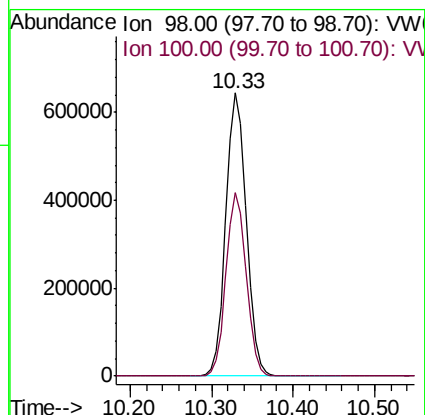
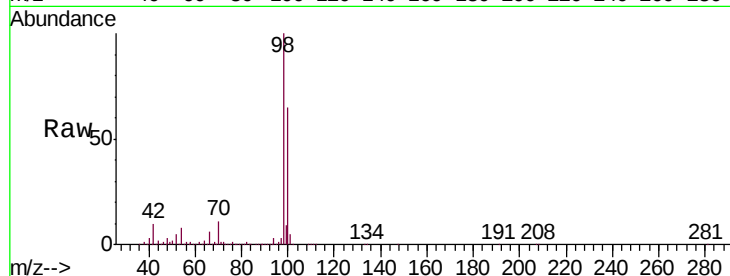
SB-04RE

Tgt Ion: 98 Resp: 1117219

Ion Ratio Lower Upper

98 100

100 64.1 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 48.053 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW005139.D

Acq: 05 Sep 2018 19:36

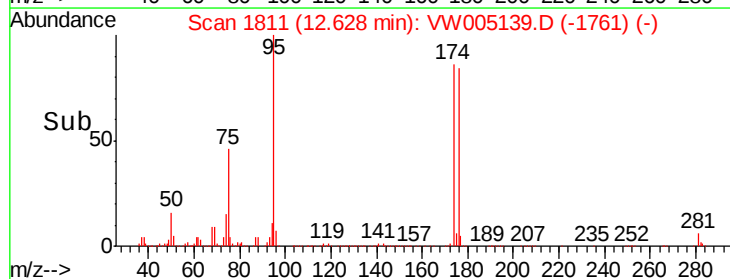
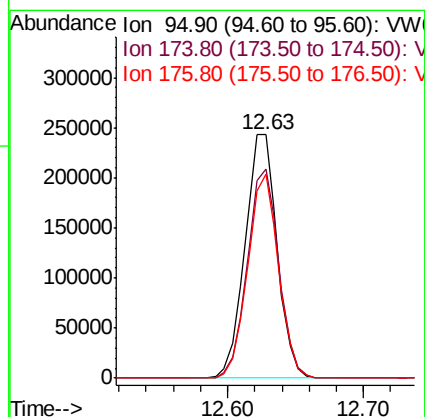
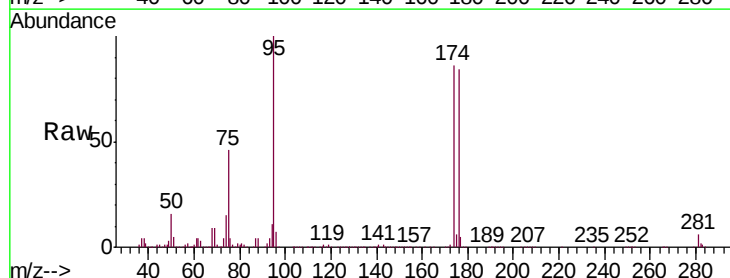
Tgt Ion: 95 Resp: 399817

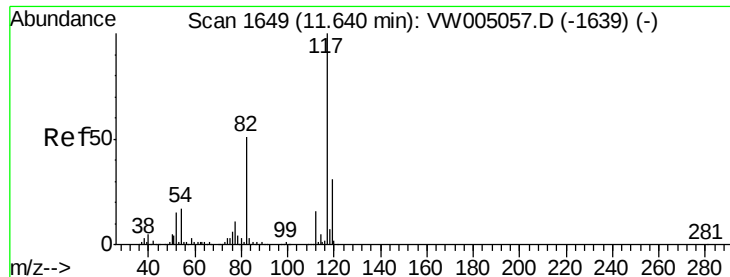
Ion Ratio Lower Upper

95 100

174 84.7 0.0 173.4

176 80.9 0.0 167.4

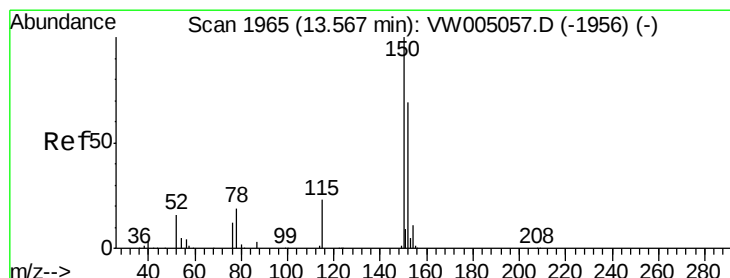
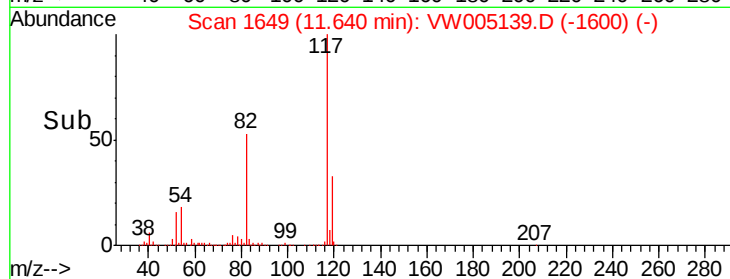
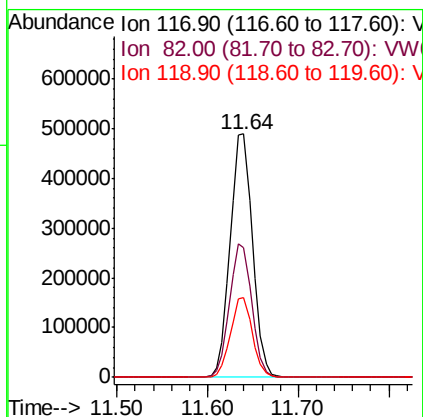
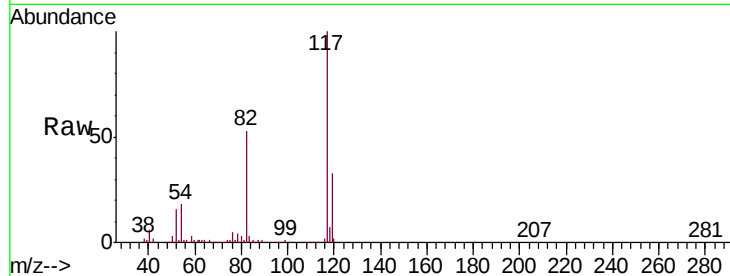




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW005139.D
Acq: 05 Sep 2018 19:36

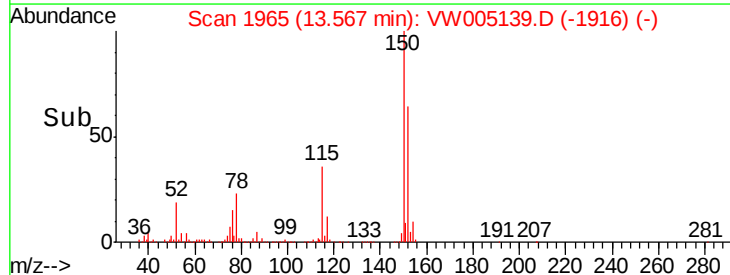
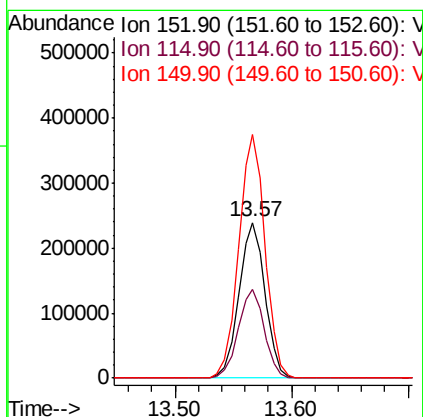
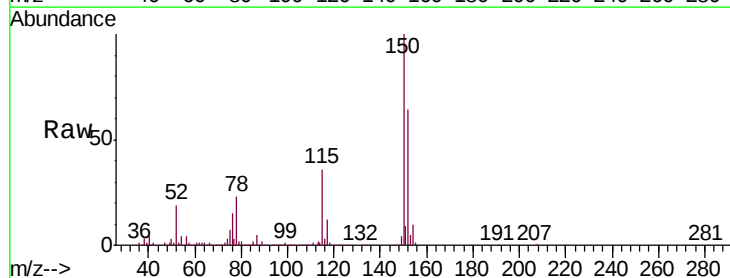
Instrument :
MSVOA_W
ClientSampleId :
SB-04RE

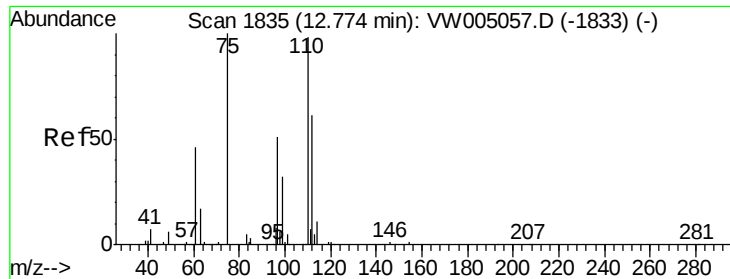
Tgt Ion:117 Resp: 837964
Ion Ratio Lower Upper
117 100
82 53.5 40.9 61.3
119 32.6 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW005139.D
Acq: 05 Sep 2018 19:36

Tgt Ion:152 Resp: 371876
Ion Ratio Lower Upper
152 100
115 57.1 27.8 83.4
150 157.6 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 67.462 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW005139.D

Acq: 05 Sep 2018 19:36

Instrument :

MSVOA_W

ClientSampled :

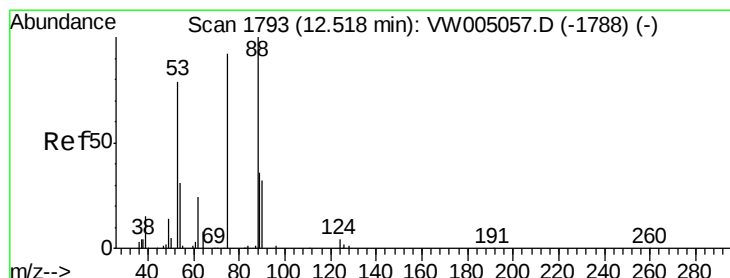
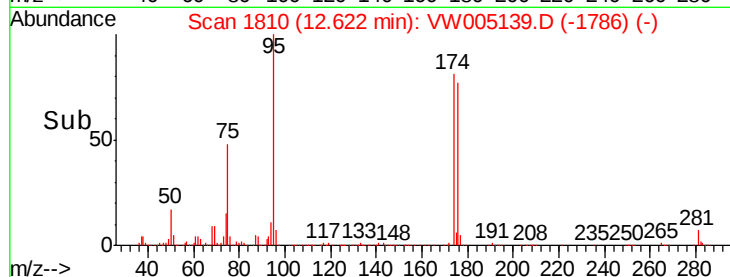
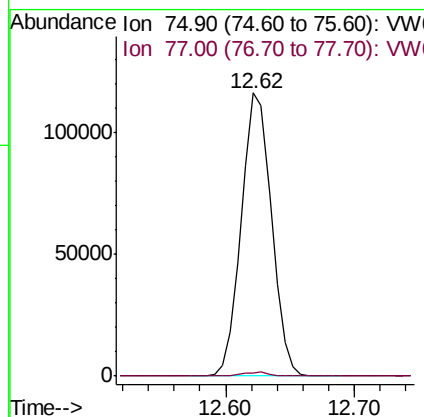
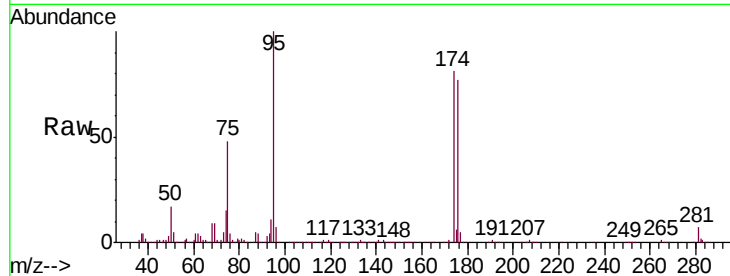
SB-04RE

Tgt Ion: 75 Resp: 188312

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 162.373 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW005139.D

Acq: 05 Sep 2018 19:36

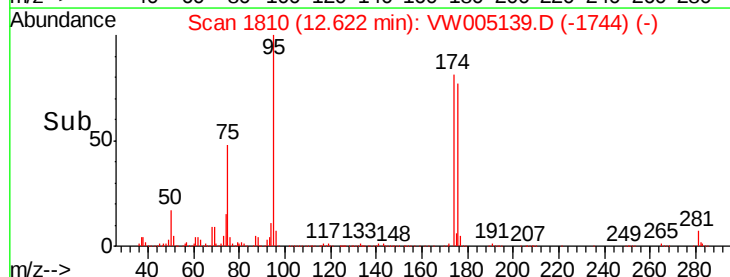
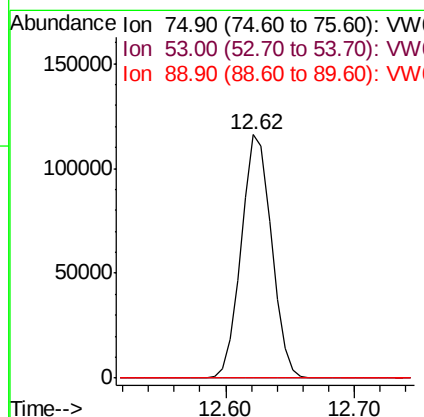
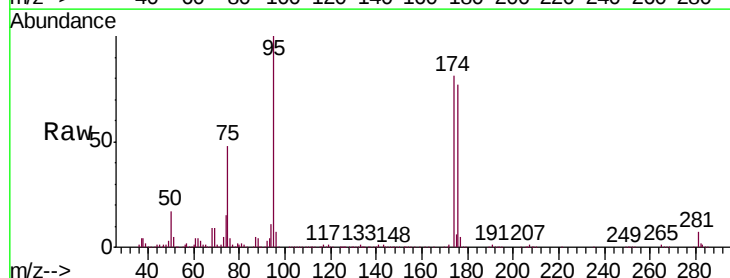
Tgt Ion: 75 Resp: 188312

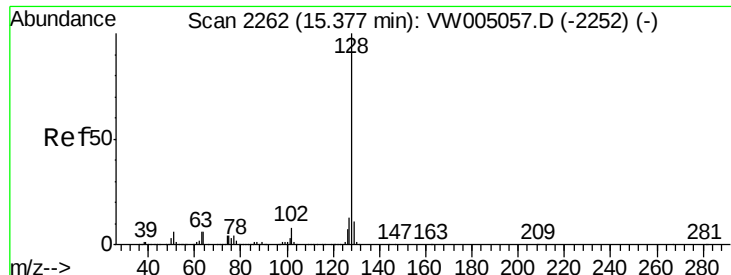
Ion Ratio Lower Upper

75 100

53 0.2 69.8 104.8#

89 0.1 36.0 54.0#





#95

Naphthalene

Concen: 4.232 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW005139.D

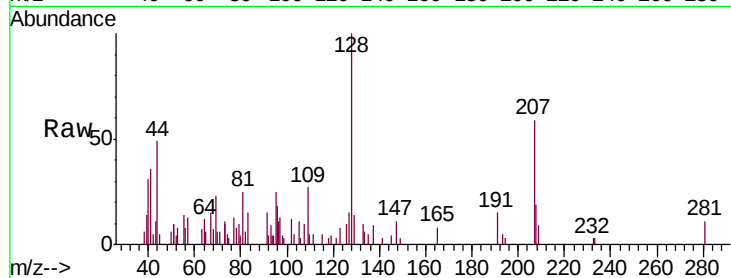
Acq: 05 Sep 2018 19:36

Instrument :

MSVOA_W

ClientSampleId :

SB-04RE



Tgt Ion:	128	Resp:	3680
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	14.1	8.7	13.1

