

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090718\
 Data File : VW005209.D
 Acq On : 07 Sep 2018 15:16
 Operator : SY/AP
 Sample : J4748-01RE
 Misc : 5.96G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-11

Quant Time: Sep 08 01:19:35 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

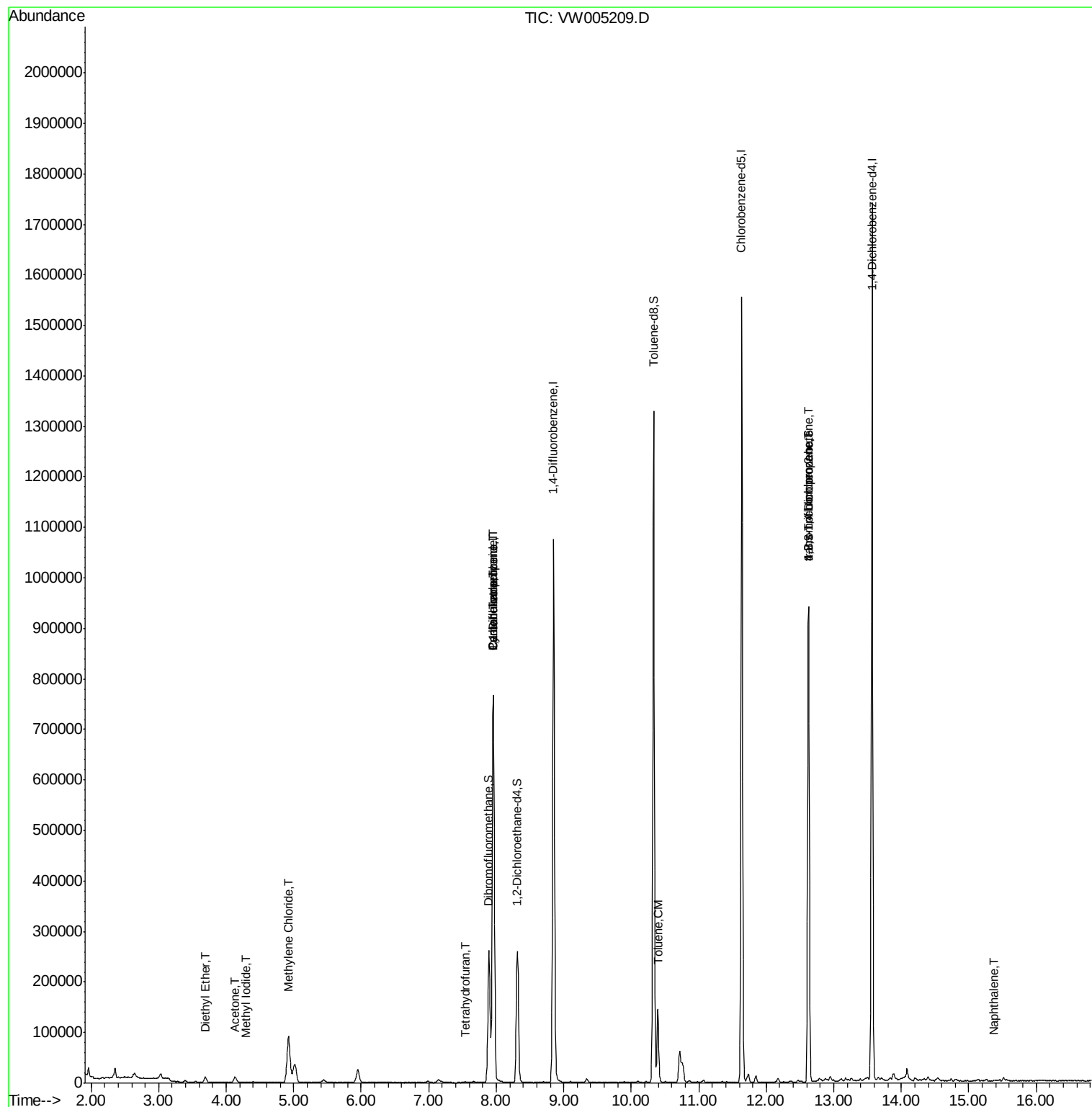
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	617028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	962011	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	932905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	473960	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	198578	38.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.64%	
35) Dibromofluoromethane	7.89	113	192839	34.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.38%	
50) Toluene-d8	10.33	98	912165	35.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.22%	
62) 4-Bromofluorobenzene	12.63	95	316562	35.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.10%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.79	94	798	Below Cal	#	66
8) Diethyl Ether	3.69	74	5929	2.076	ug/l	94
10) Methyl Iodide	4.28	142	276	3.850	ug/l #	44
11) Tert butyl alcohol	5.17	59	681	Below Cal	#	72
16) Acetone	4.13	43	19667	19.173	ug/l	98
20) Methylene Chloride	4.92	84	76047	7.679	ug/l	95
29) Tetrahydrofuran	7.54	42	1224	1.346	ug/l	99
31) Cyclohexane	7.95	56	11382	1.133	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	42584	4.648	ug/l #	47
38) Carbon Tetrachloride	7.96	117	55601	6.382	ug/l #	17
52) Toluene	10.40	92	64484	3.393	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	146699	41.235	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	146699	99.248	ug/l #	15
95) Naphthalene	15.38	128	2176	4.097	ug/l	98

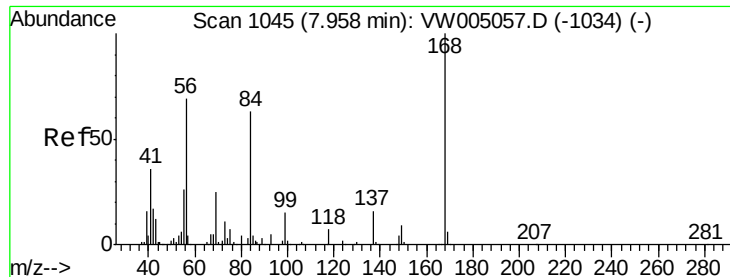
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005209.D

Acq: 07 Sep 2018 15:16

Instrument :

MSVOA_W

ClientSampleId :

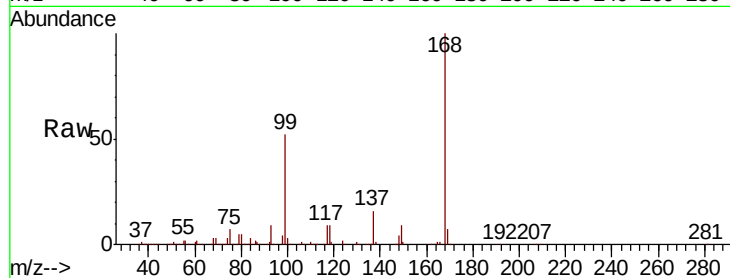
SB-11

Tgt Ion:168 Resp: 617028

Ion Ratio Lower Upper

168 100

99 51.6 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

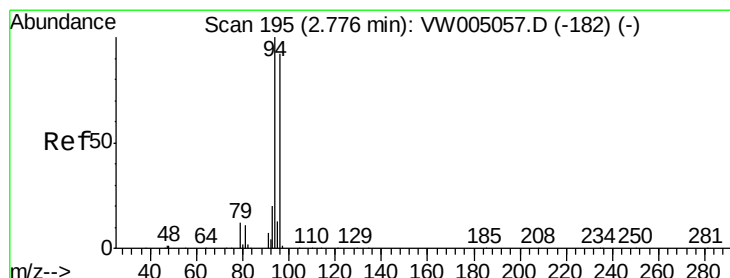
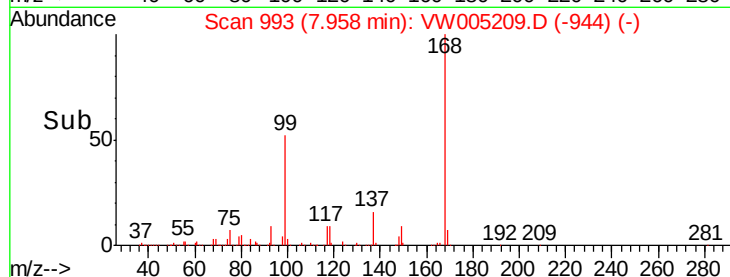
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10 8.20



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005209.D

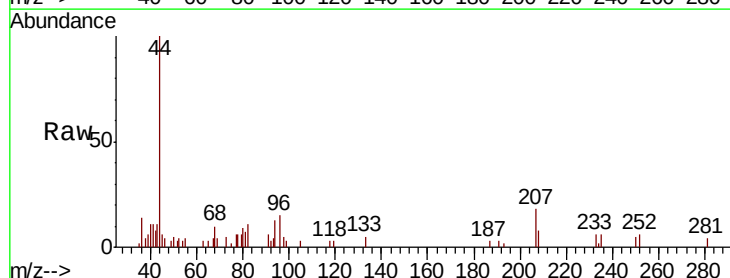
Acq: 07 Sep 2018 15:16

Tgt Ion: 94 Resp: 798

Ion Ratio Lower Upper

94 100

96 59.3 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.79

500

400

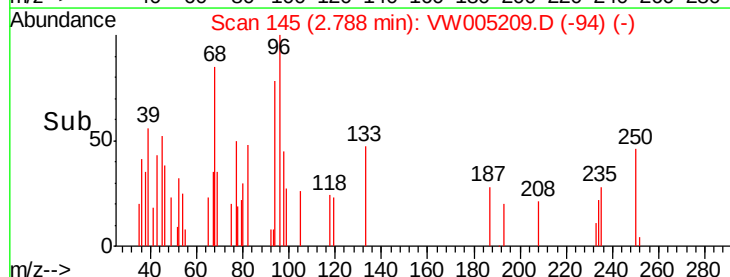
300

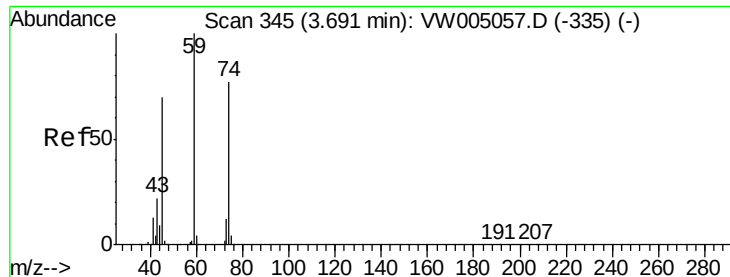
200

100

0

Time--> 2.70 2.75 2.80





#8

Diethyl Ether

Concen: 2.076 ug/l

RT: 3.69 min Scan# 293

Delta R.T. -0.00 min

Lab File: VW005209.D

Acq: 07 Sep 2018 15:16

Instrument :

MSVOA_W

ClientSampled :

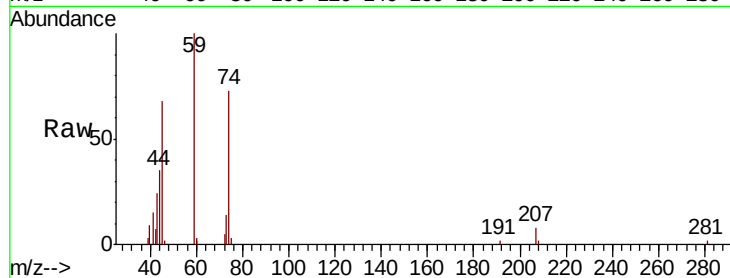
SB-11

Tgt Ion: 74 Resp: 5929

Ion Ratio Lower Upper

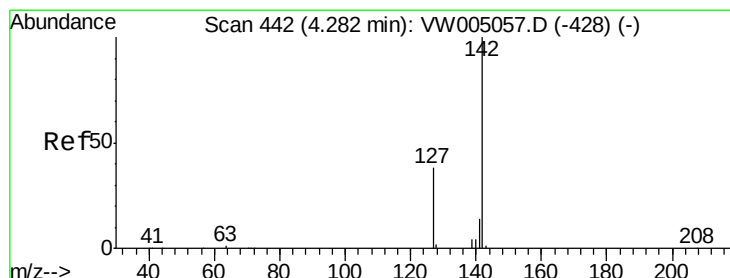
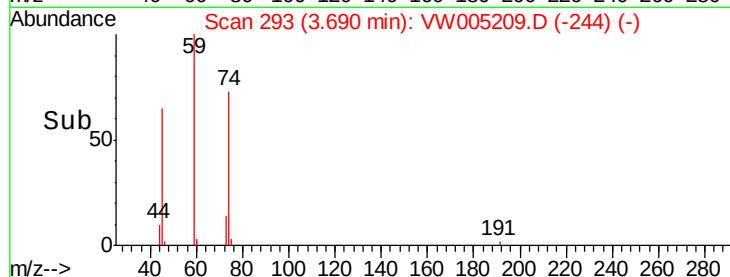
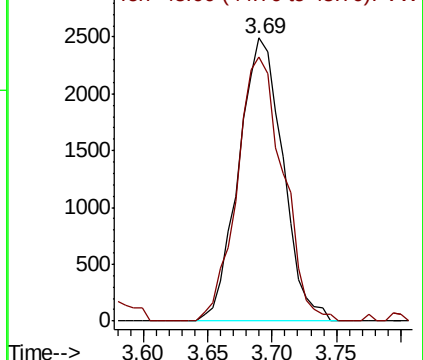
74 100

45 97.4 46.0 137.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#10

Methyl Iodide

Concen: 3.850 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.00 min

Lab File: VW005209.D

Acq: 07 Sep 2018 15:16

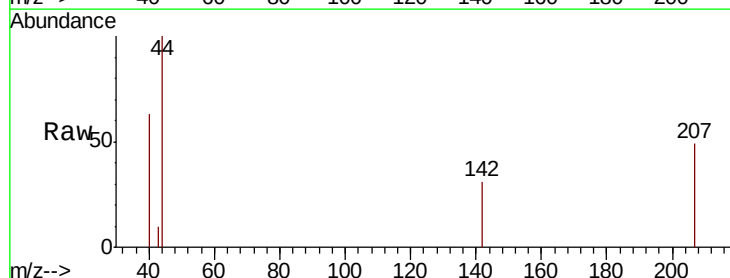
Tgt Ion: 142 Resp: 276

Ion Ratio Lower Upper

142 100

127 0.0 30.8 46.2#

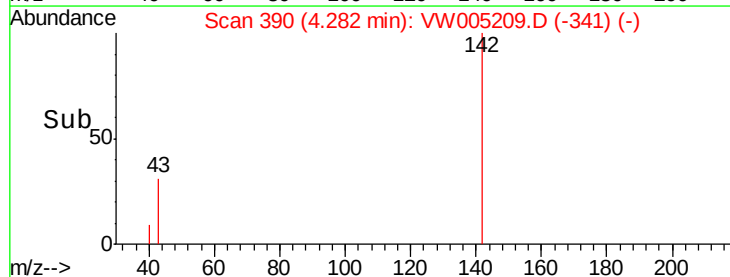
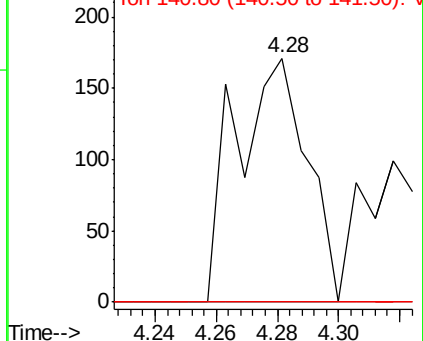
141 0.0 11.6 17.4#

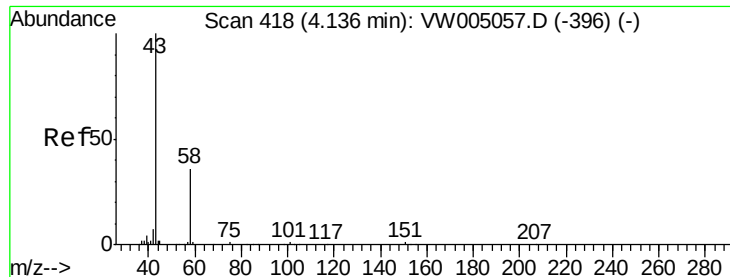


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 19.173 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW005209.D

Acq: 07 Sep 2018 15:16

Instrument :

MSVOA_W

ClientSampleId :

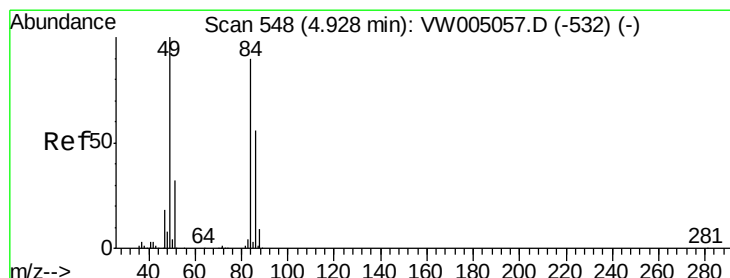
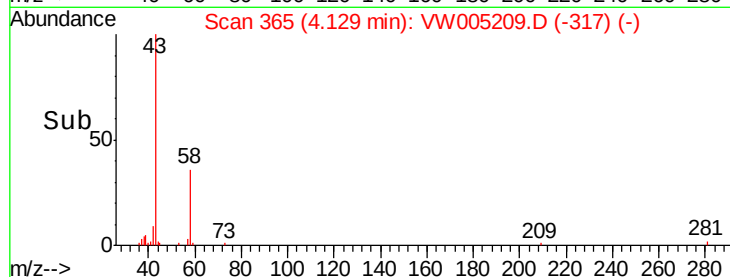
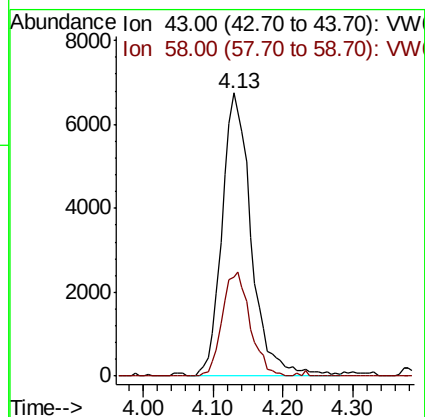
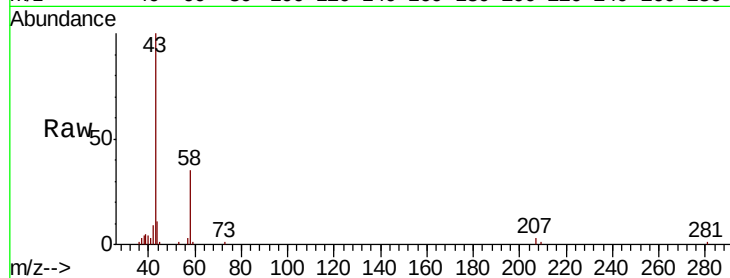
SB-11

Tgt Ion: 43 Resp: 19667

Ion Ratio Lower Upper

43 100

58 35.1 29.0 43.6



#20

Methylene Chloride

Concen: 7.679 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.01 min

Lab File: VW005209.D

Acq: 07 Sep 2018 15:16

Tgt Ion: 84 Resp: 76047

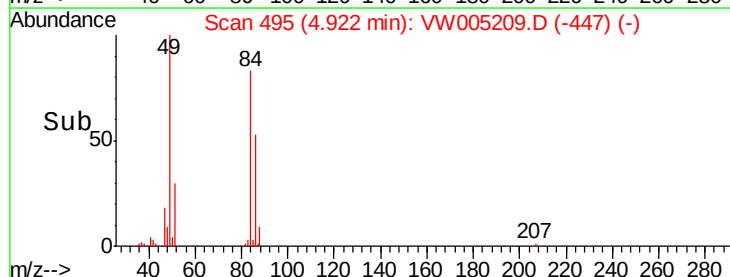
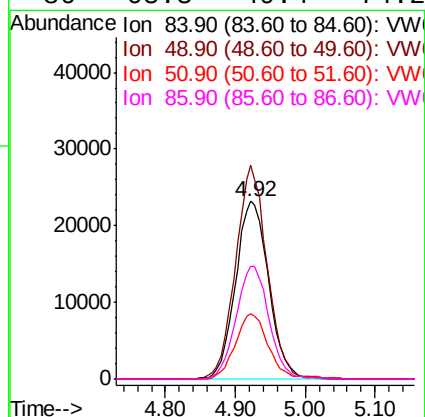
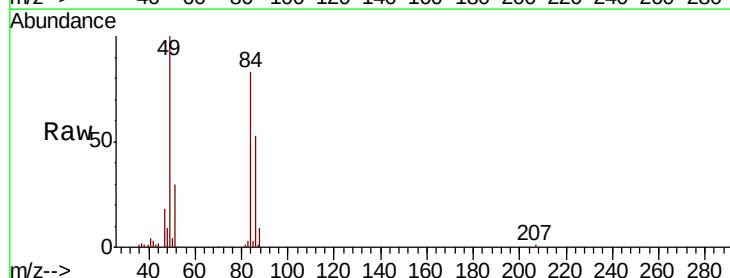
Ion Ratio Lower Upper

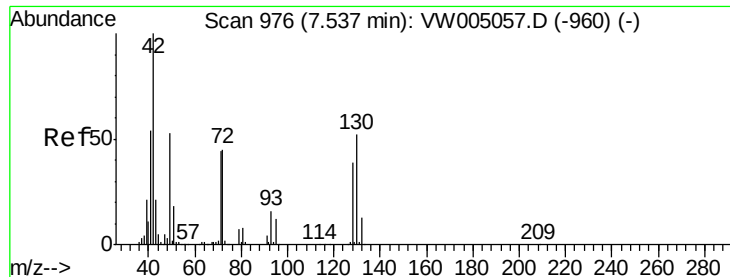
84 100

49 120.1 88.7 133.1

51 36.4 28.6 42.8

86 63.3 49.4 74.2

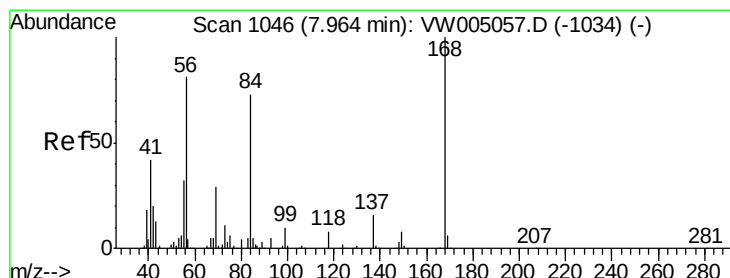
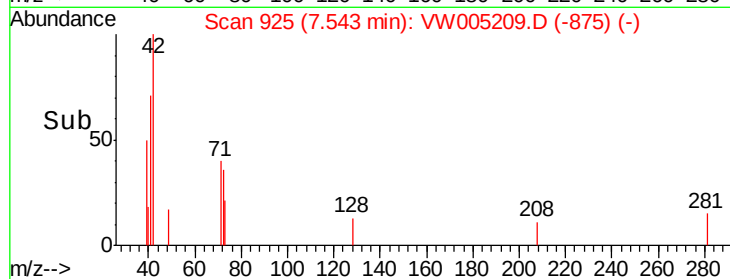
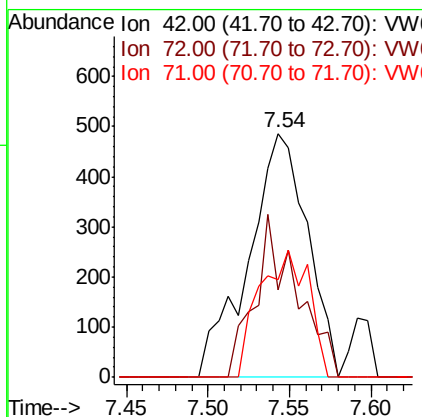
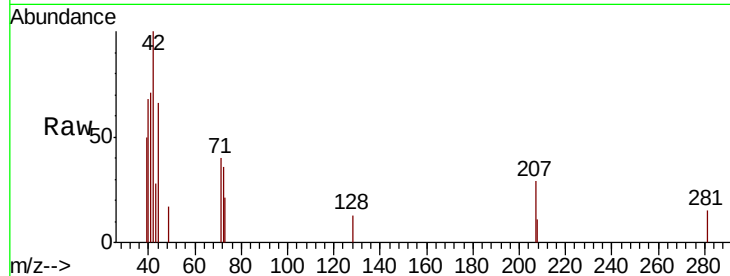




#29
Tetrahydrofuran
Concen: 1.346 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW005209.D
Acq: 07 Sep 2018 15:16

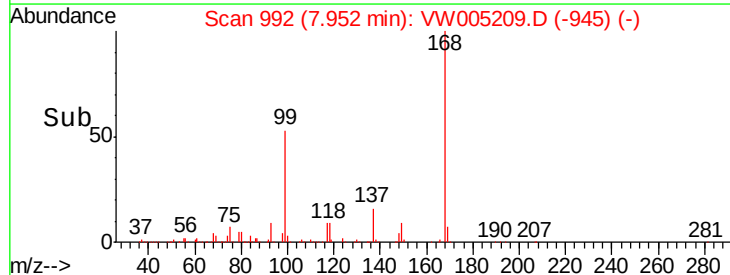
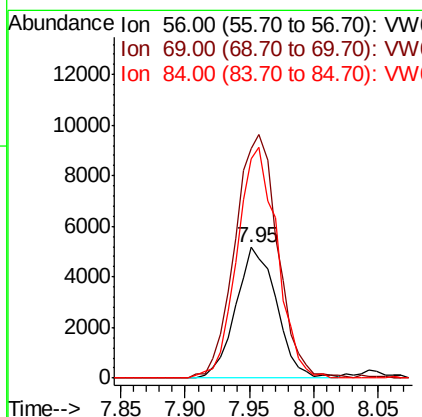
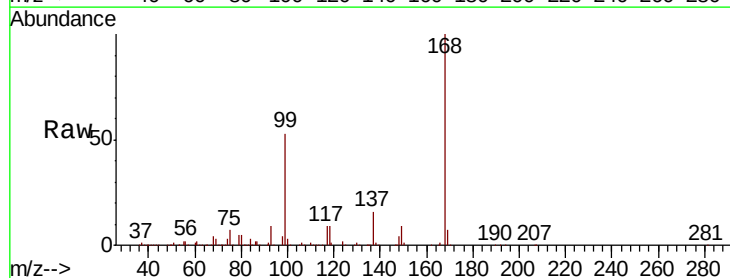
Instrument :
MSVOA_W
ClientSampled :
SB-11

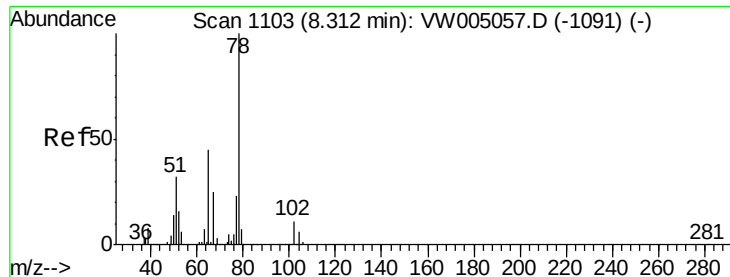
Tgt Ion: 42 Resp: 1224
Ion Ratio Lower Upper
42 100
72 47.5 37.0 55.4
71 43.5 35.0 52.6



#31
Cyclohexane
Concen: 1.133 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005209.D
Acq: 07 Sep 2018 15:16

Tgt Ion: 56 Resp: 11382
Ion Ratio Lower Upper
56 100
69 175.7 28.2 42.2#
84 167.6 71.8 107.8#

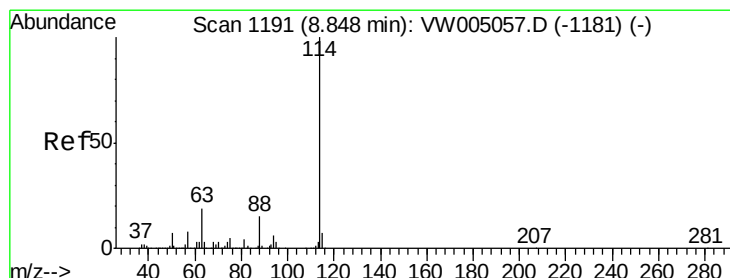
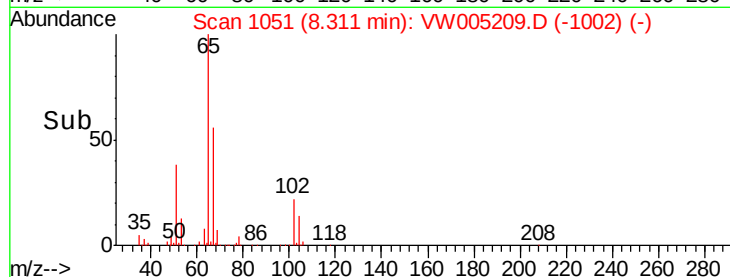
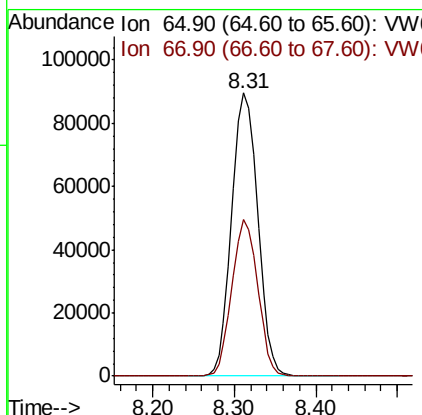
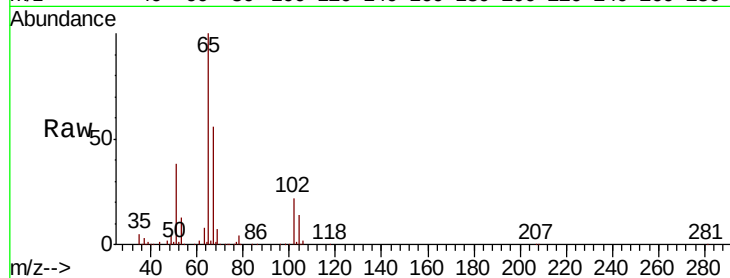




#33
 1,2-Dichloroethane-d4
 Concen: 38.824 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005209.D
 Acq: 07 Sep 2018 15:16

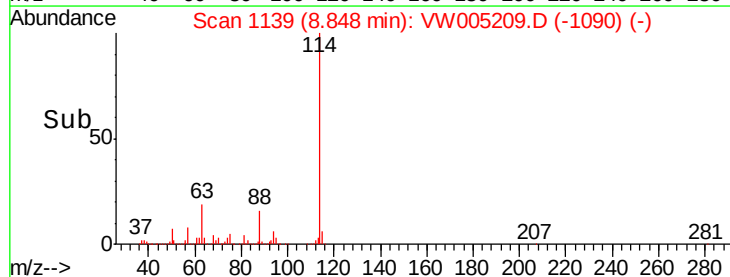
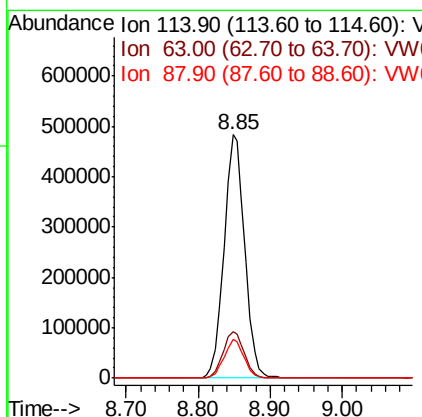
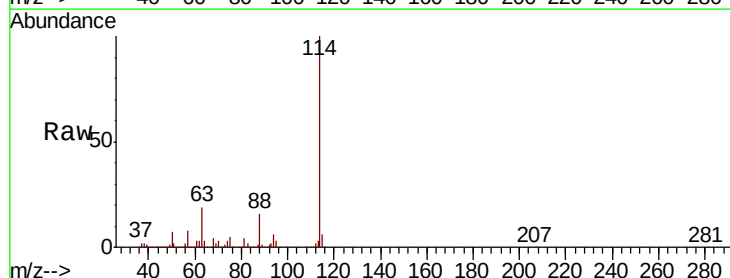
Instrument :
 MSVOA_W
 ClientSampled :
 SB-11

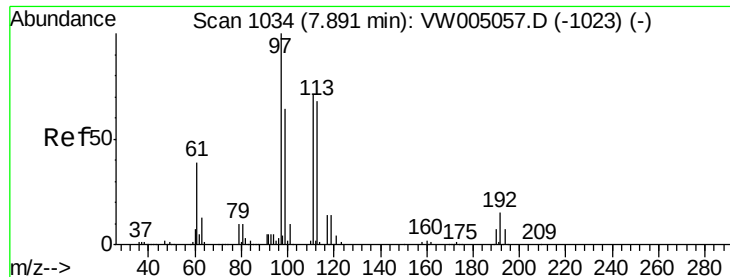
Tgt Ion: 65 Resp: 198578
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005209.D
 Acq: 07 Sep 2018 15:16

Tgt Ion: 114 Resp: 962011
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.0
 88 15.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 34.688 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW005209.D

Acq: 07 Sep 2018 15:16

Instrument :

MSVOA_W

ClientSampled :

SB-11

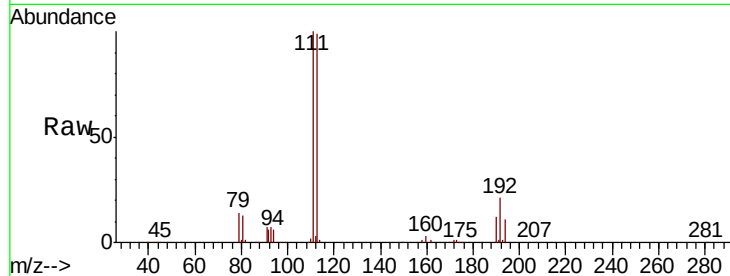
Tgt Ion:113 Resp: 192839

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

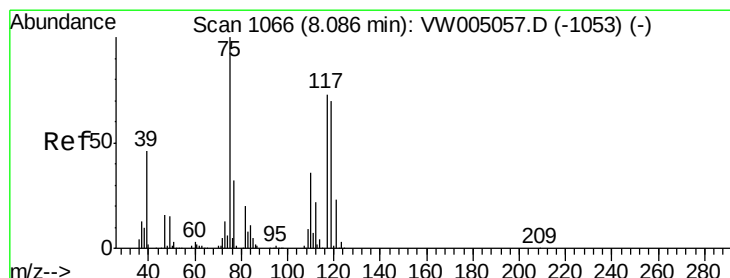
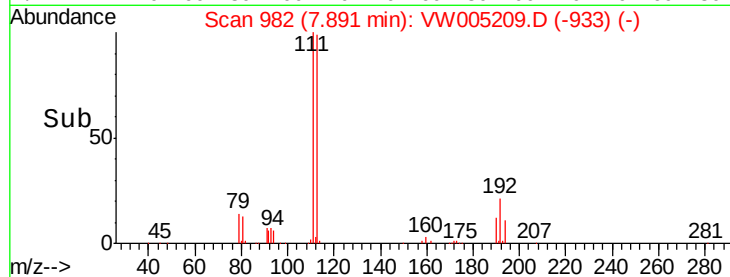
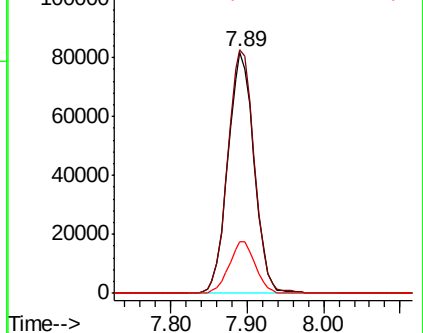
192 21.6 18.1 27.1



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: 4.648 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW005209.D

Acq: 07 Sep 2018 15:16

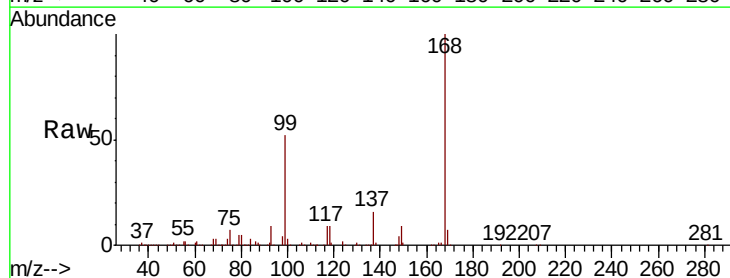
Tgt Ion: 75 Resp: 42584

Ion Ratio Lower Upper

75 100

110 8.2 18.9 56.7#

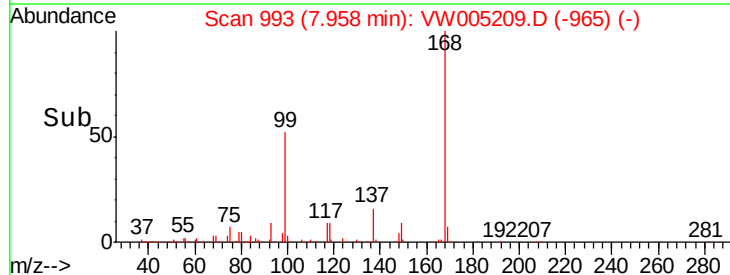
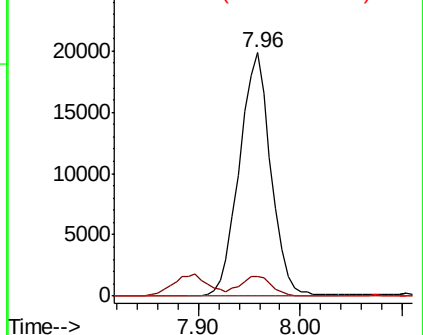
77 0.0 25.5 38.3#

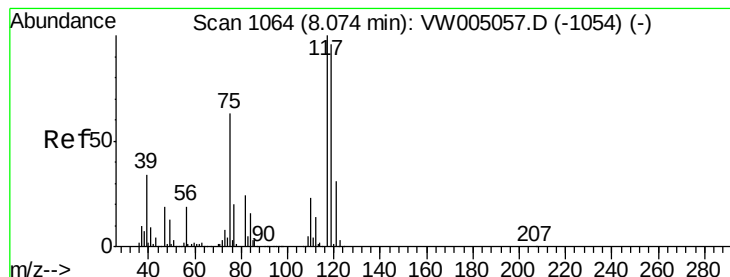


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.382 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005209.D

Acq: 07 Sep 2018 15:16

Instrument :

MSVOA_W

ClientSampleId :

SB-11

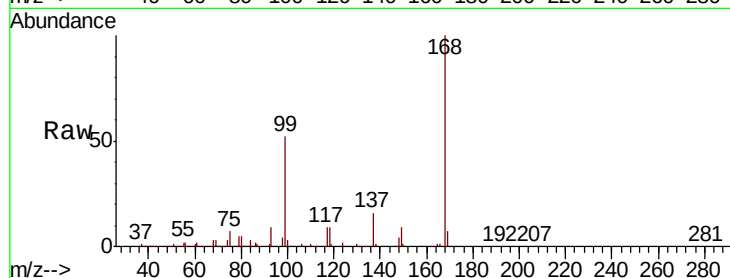
Tgt Ion:117 Resp: 55601

Ion Ratio Lower Upper

117 100

119 7.0 76.6 115.0#

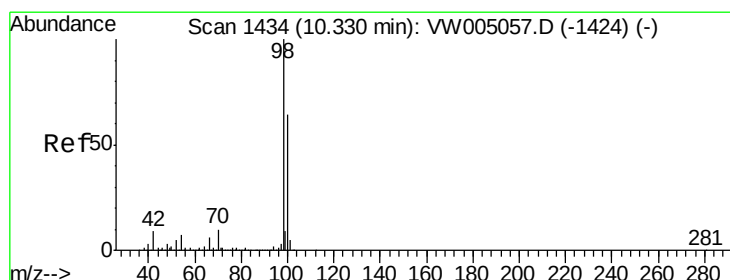
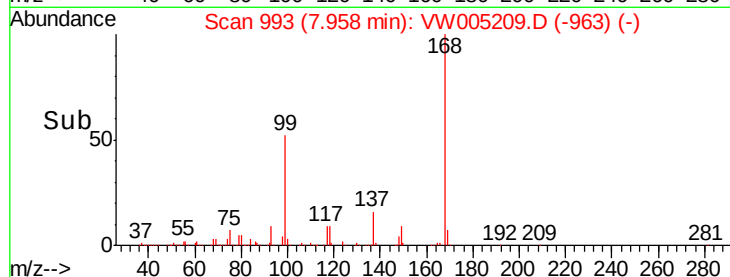
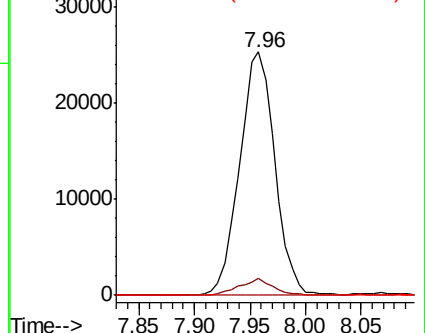
121 0.0 24.8 37.2#



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: 35.609 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005209.D

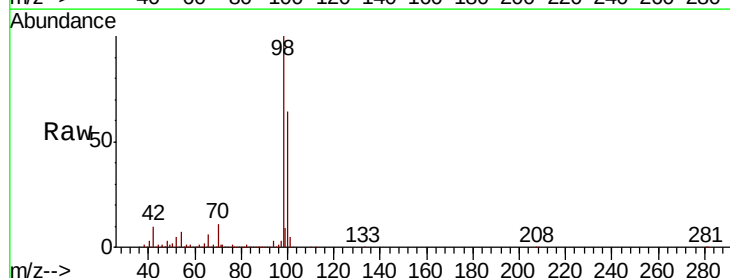
Acq: 07 Sep 2018 15:16

Tgt Ion: 98 Resp: 912165

Ion Ratio Lower Upper

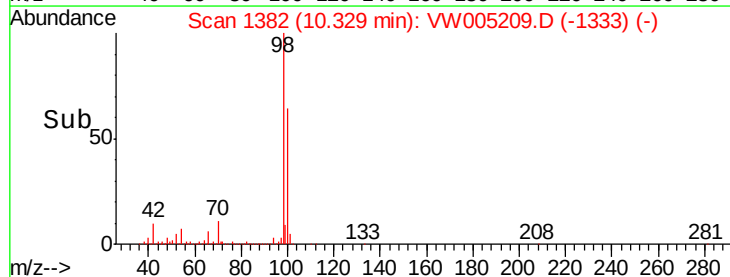
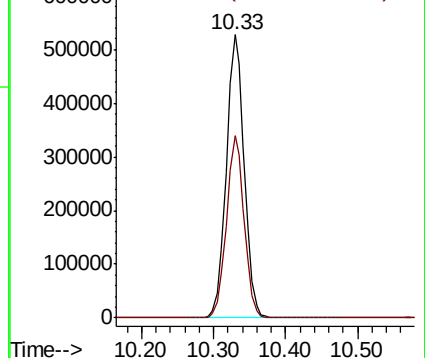
98 100

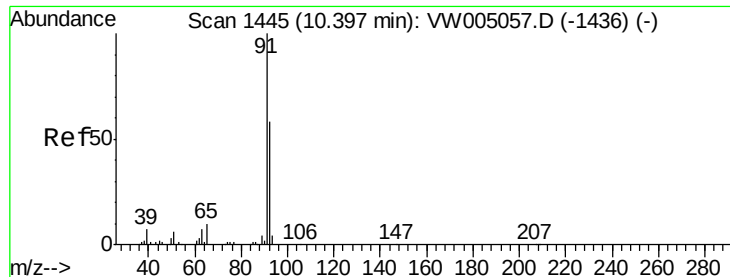
100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 3.393 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005209.D

Acq: 07 Sep 2018 15:16

Instrument :

MSVOA_W

ClientSampleId :

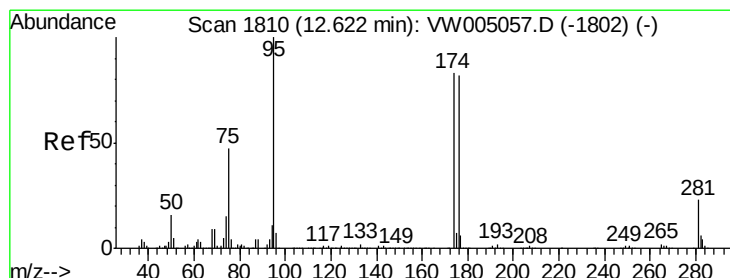
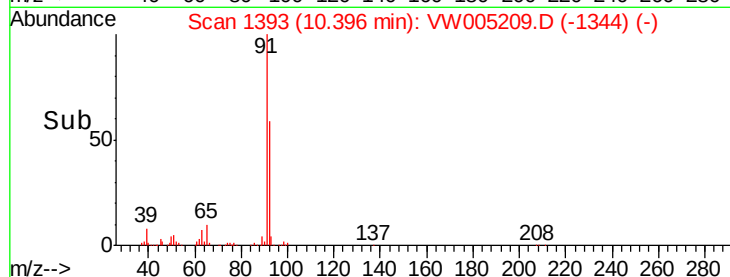
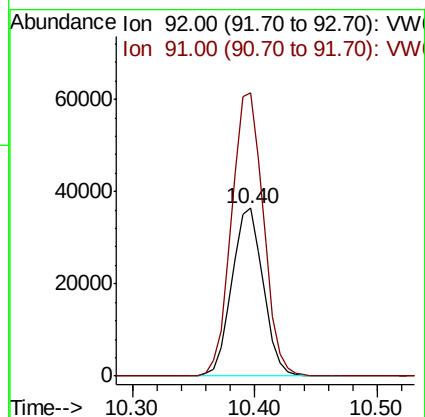
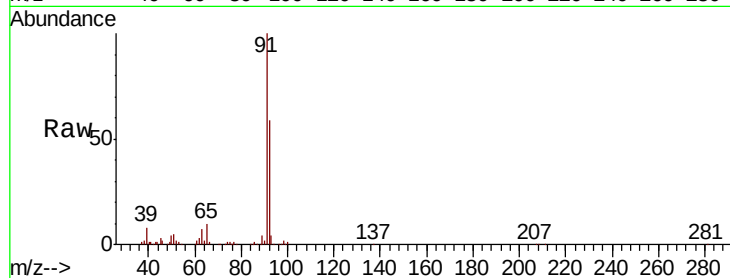
SB-11

Tgt Ion: 92 Resp: 64484

Ion Ratio Lower Upper

92 100

91 172.3 139.2 208.8



#62

4-Bromofluorobenzene

Concen: 35.047 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005209.D

Acq: 07 Sep 2018 15:16

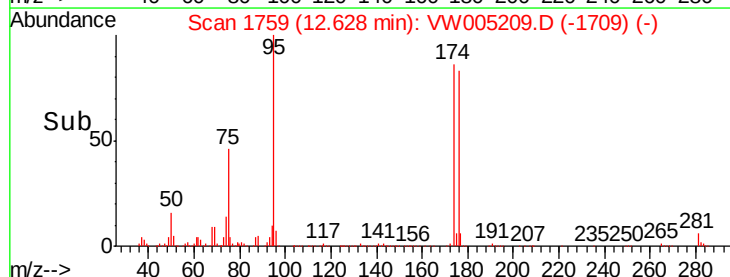
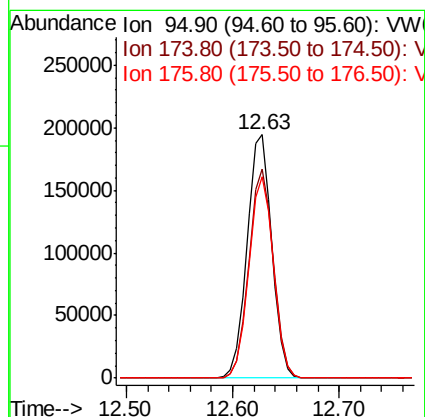
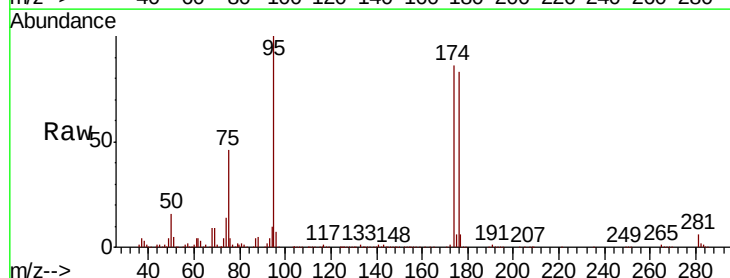
Tgt Ion: 95 Resp: 316562

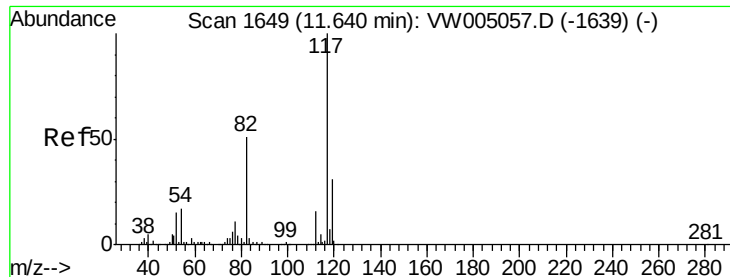
Ion Ratio Lower Upper

95 100

174 85.3 0.0 173.4

176 82.5 0.0 167.4

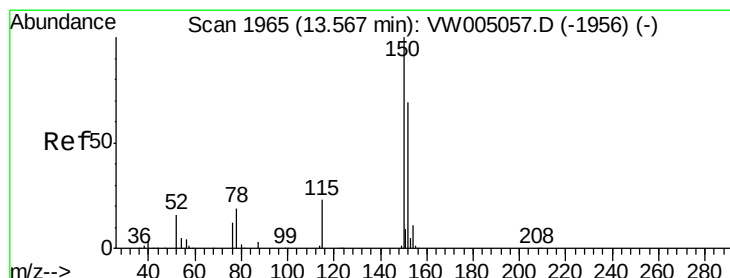
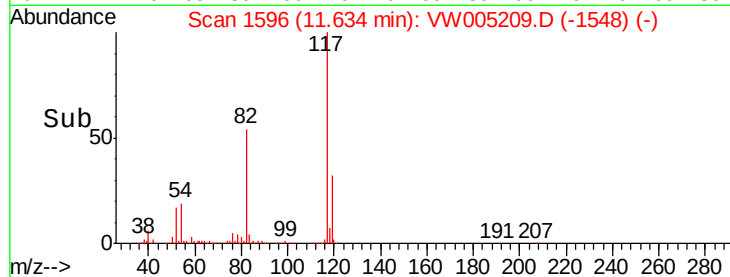
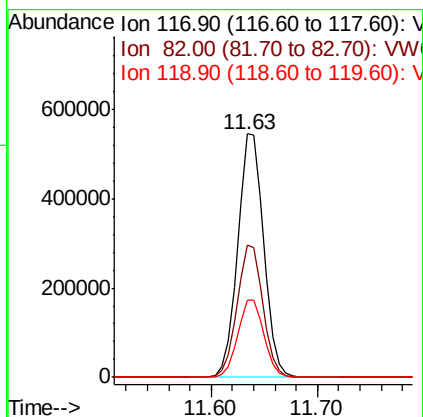
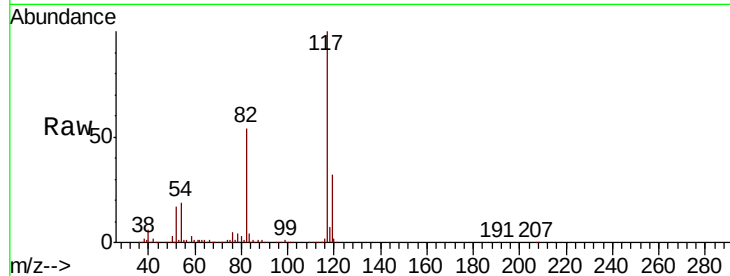




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VW005209.D
Acq: 07 Sep 2018 15:16

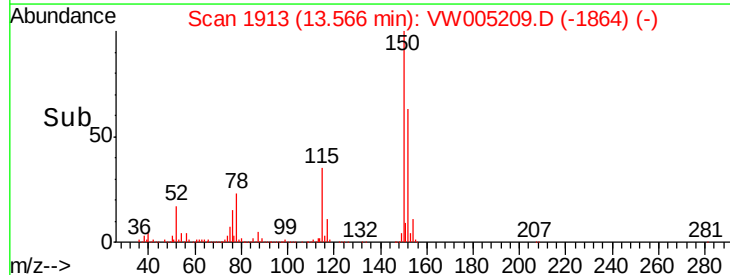
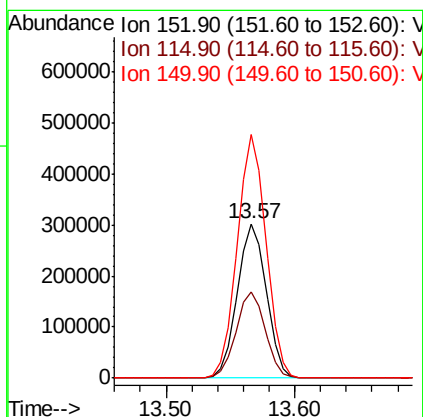
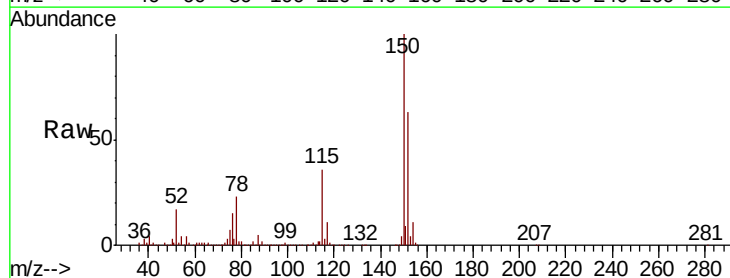
Instrument :
MSVOA_W
ClientSampleId :
SB-11

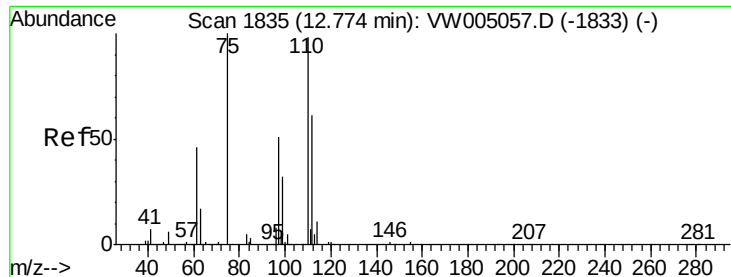
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.5	40.9	61.3
119	31.5	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005209.D
Acq: 07 Sep 2018 15:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	27.8	83.4
150	156.2	0.0	351.4





#76

1,2,3-Trichloropropane

Concen: 41.235 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005209.D

Acq: 07 Sep 2018 15:16

Instrument :

MSVOA_W

ClientSampleId :

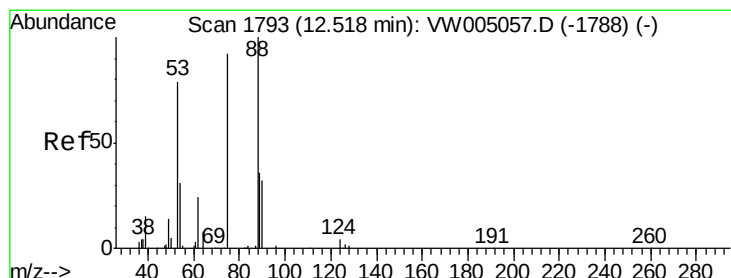
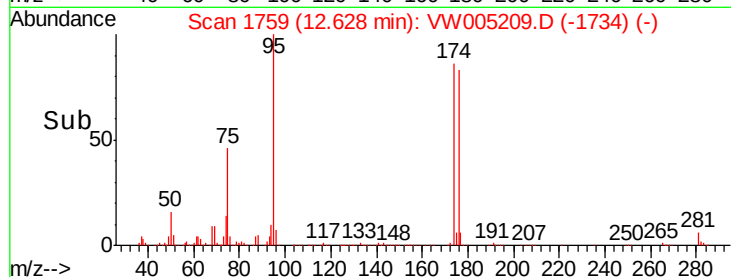
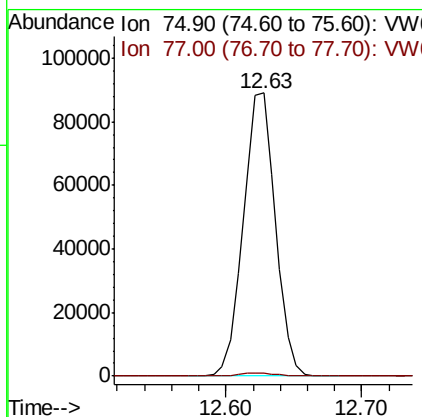
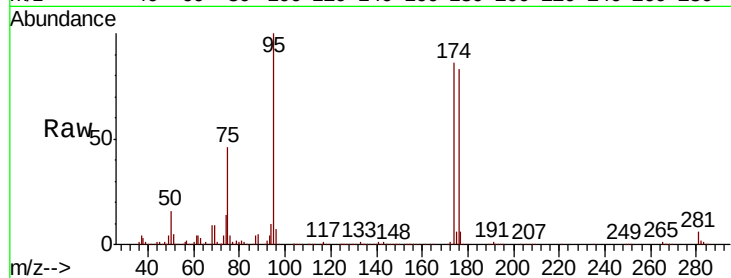
SB-11

Tgt Ion: 75 Resp: 146699

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 99.248 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005209.D

Acq: 07 Sep 2018 15:16

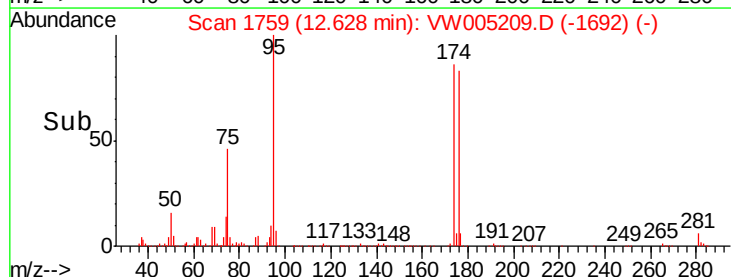
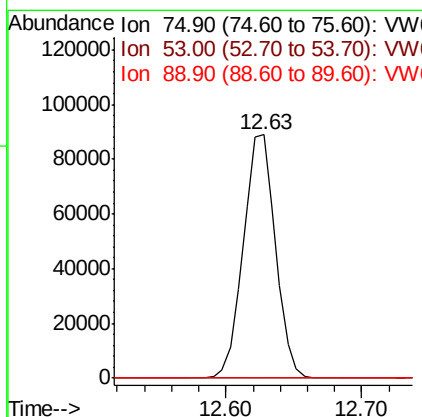
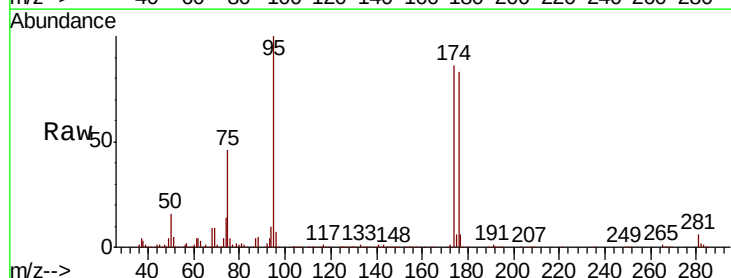
Tgt Ion: 75 Resp: 146699

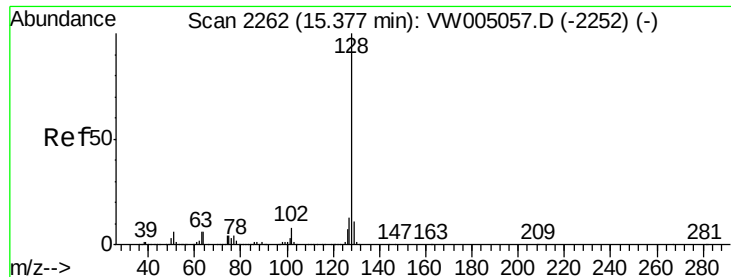
Ion Ratio Lower Upper

75 100

53 0.2 69.8 104.8#

89 0.0 36.0 54.0#





#95
Naphthalene
Concen: 4.097 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005209.D
Acq: 07 Sep 2018 15:16

Instrument :
MSVOA_W
ClientSampleId :
SB-11

Tgt Ion:128 Resp: 2176
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 9.5 8.7 13.1

