

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090718\
 Data File : VW005215.D
 Acq On : 07 Sep 2018 17:50
 Operator : SY/AP
 Sample : J4748-06RE
 Misc : 6.51G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DW-11RE

Quant Time: Sep 08 01:20:31 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	419969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	679088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	458450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	139312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	131274	37.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.42%	
35) Dibromofluoromethane	7.89	113	116716	29.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.48%	
50) Toluene-d8	10.33	98	339289	18.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.52%	
62) 4-Bromofluorobenzene	12.63	95	106362	16.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.36%	

Target Compounds

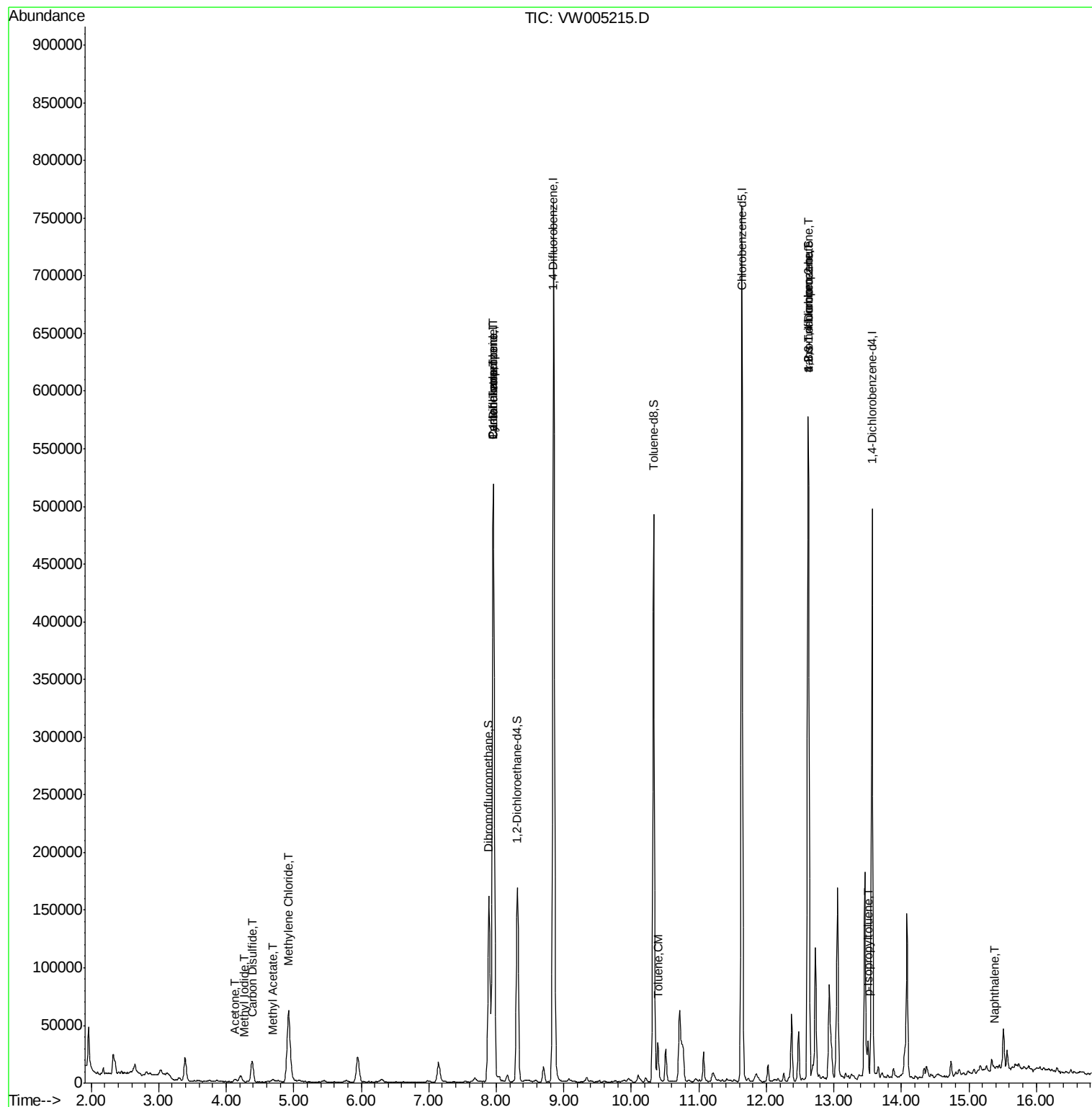
					Qvalue	
5) Bromomethane	2.77	94	529	Below Cal	#	74
10) Methyl Iodide	4.27	142	19	3.822	ug/l #	44
11) Tert butyl alcohol	5.17	59	589	Below Cal	#	72
16) Acetone	4.13	43	4708	6.743	ug/l #	75
17) Carbon Disulfide	4.38	76	36826	3.112	ug/l	100
18) Methyl Acetate	4.68	43	4310	2.099	ug/l	97
20) Methylene Chloride	4.92	84	51662	7.657	ug/l	96
31) Cyclohexane	7.95	56	7842	1.147	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	27849	4.306	ug/l #	48
38) Carbon Tetrachloride	7.96	117	37763	6.141	ug/l #	17
52) Toluene	10.39	92	14040	1.047	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	51486	49.236	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	51486	118.505	ug/l #	15
86) p-Isopropyltoluene	13.51	119	17261	1.870	ug/l	95
95) Naphthalene	15.38	128	3380	4.599	ug/l #	93

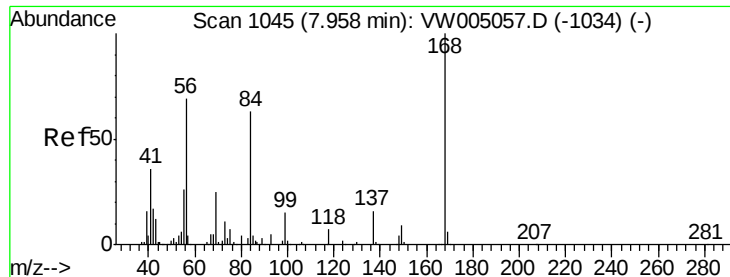
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005215.D

Acq: 07 Sep 2018 17:50

Instrument :

MSVOA_W

ClientSampled :

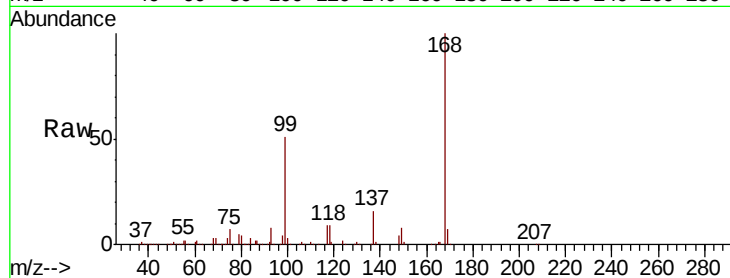
DW-11RE

Tgt Ion:168 Resp: 419969

Ion Ratio Lower Upper

168 100

99 51.4 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

200000

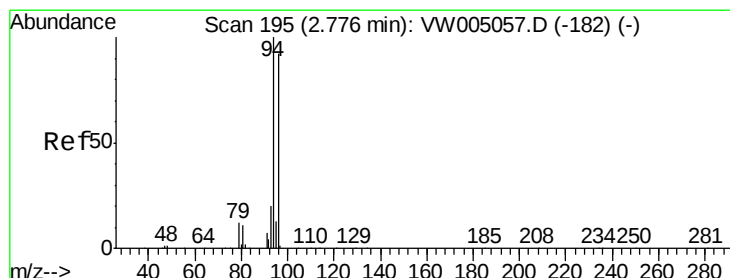
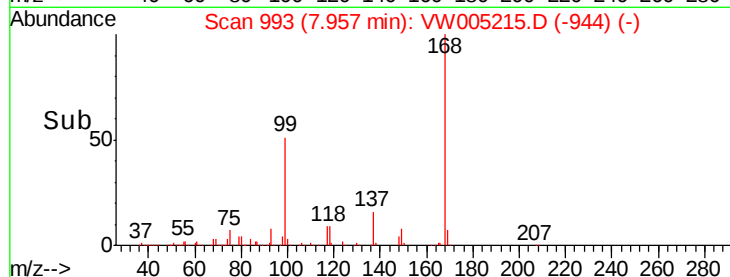
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW005215.D

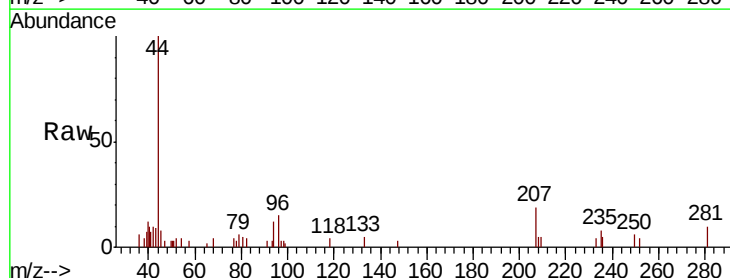
Acq: 07 Sep 2018 17:50

Tgt Ion: 94 Resp: 529

Ion Ratio Lower Upper

94 100

96 66.4 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

400

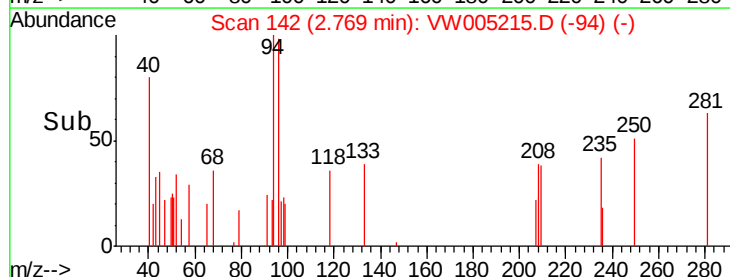
300

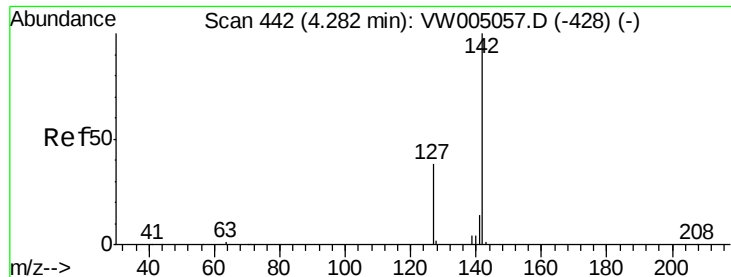
200

100

0

Time--> 2.75 2.80

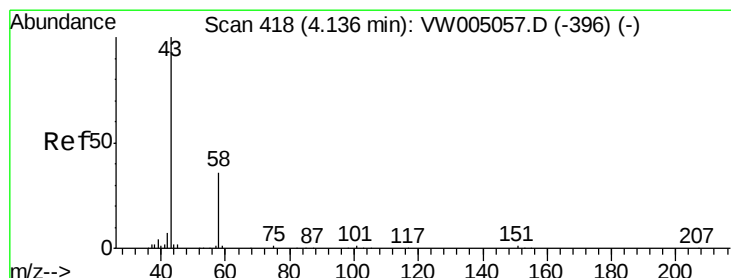
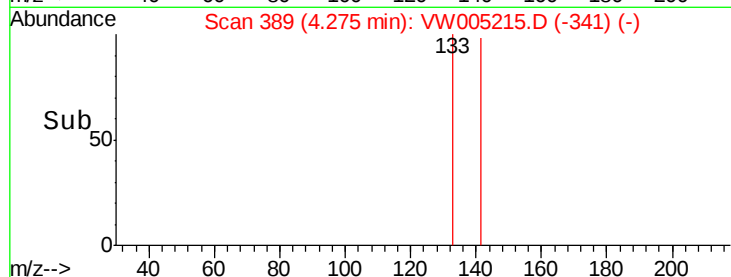
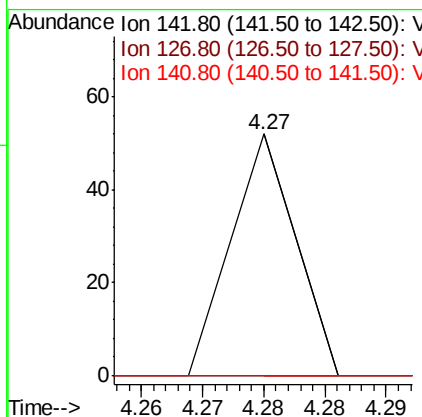
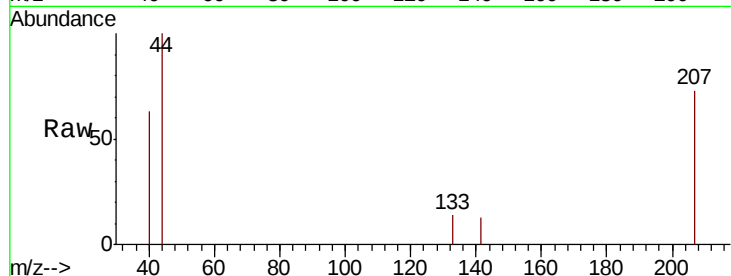




#10
Methyl Iodide
Concen: 3.822 ug/l
RT: 4.27 min Scan# 389
Delta R.T. -0.01 min
Lab File: VW005215.D
Acq: 07 Sep 2018 17:50

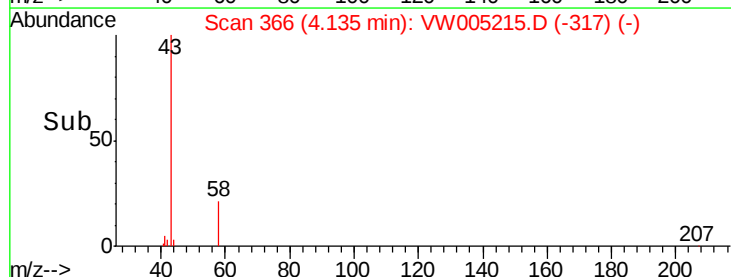
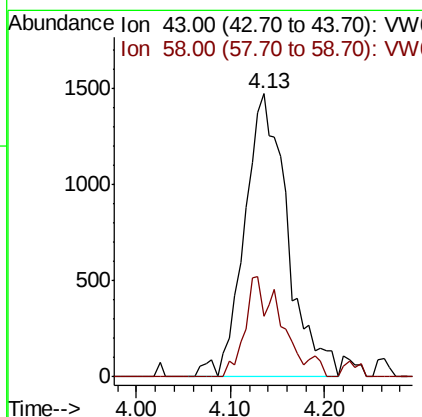
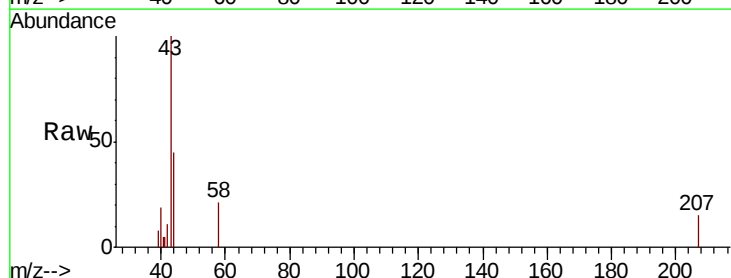
Instrument :
MSVOA_W
ClientSampleId :
DW-11RE

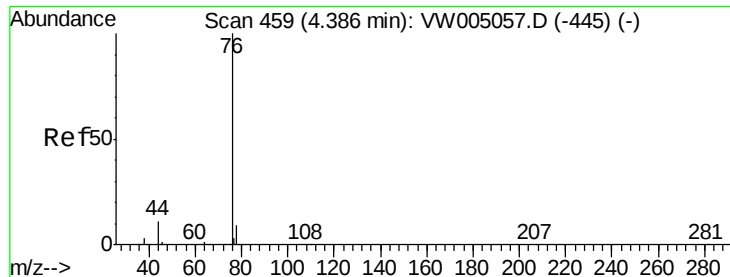
Tgt Ion:	142	Resp:	19
Ion	Ratio	Lower	Upper
142	100		
127	0.0	30.8	46.2#
141	0.0	11.6	17.4#



#16
Acetone
Concen: 6.743 ug/l
RT: 4.13 min Scan# 366
Delta R.T. -0.00 min
Lab File: VW005215.D
Acq: 07 Sep 2018 17:50

Tgt Ion:	43	Resp:	4708
Ion	Ratio	Lower	Upper
43	100		
58	21.3	29.0	43.6#





#17

Carbon Disulfide

Concen: 3.112 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW005215.D

Acq: 07 Sep 2018 17:50

Instrument :

MSVOA_W

ClientSampleId :

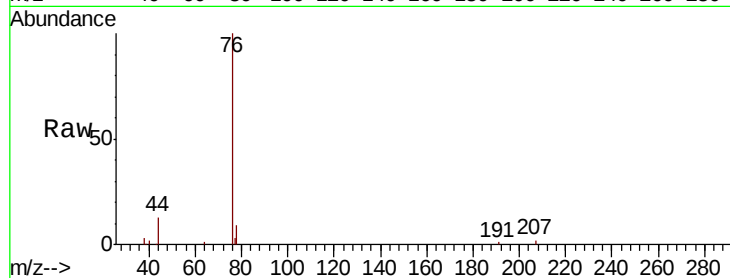
DW-11RE

Tgt Ion: 76 Resp: 36826

Ion Ratio Lower Upper

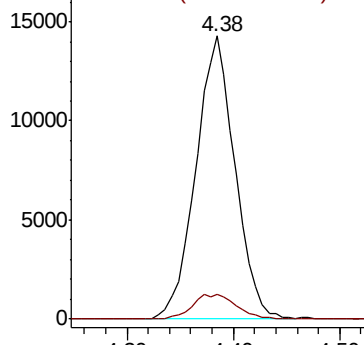
76 100

78 9.0 7.3 10.9

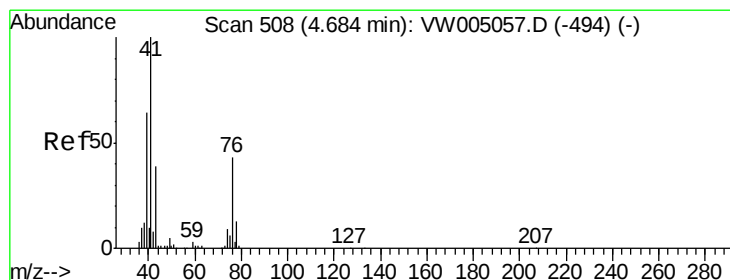
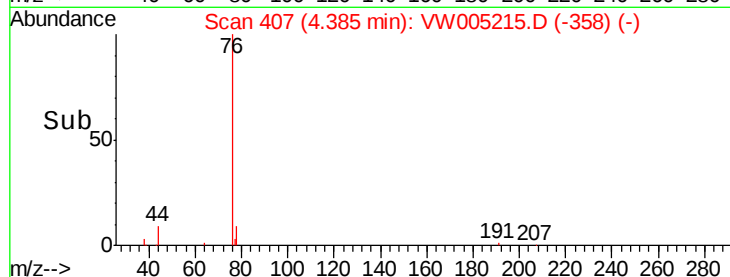


Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



Time-->



#18

Methyl Acetate

Concen: 2.099 ug/l

RT: 4.68 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW005215.D

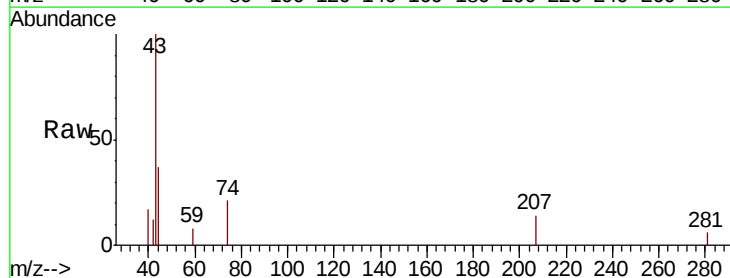
Acq: 07 Sep 2018 17:50

Tgt Ion: 43 Resp: 4310

Ion Ratio Lower Upper

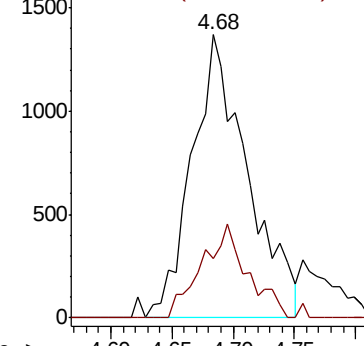
43 100

74 27.5 20.7 31.1

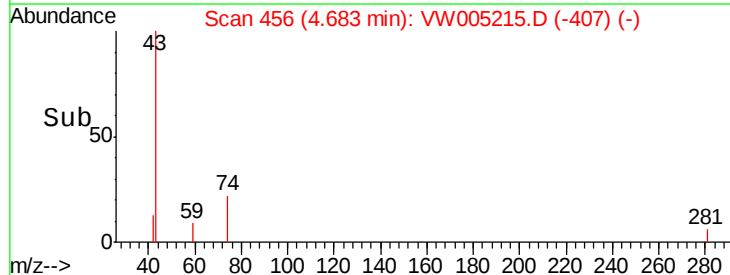


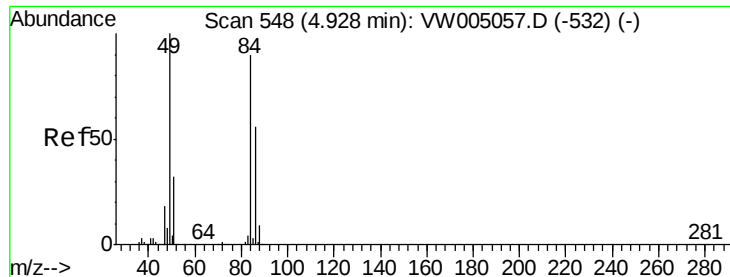
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



Time-->





#20

Methylene Chloride

Concen: 7.657 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.01 min

Lab File: VW005215.D

Acq: 07 Sep 2018 17:50

Instrument :

MSVOA_W

ClientSampleId :

DW-11RE

Tgt Ion: 84 Resp: 51662

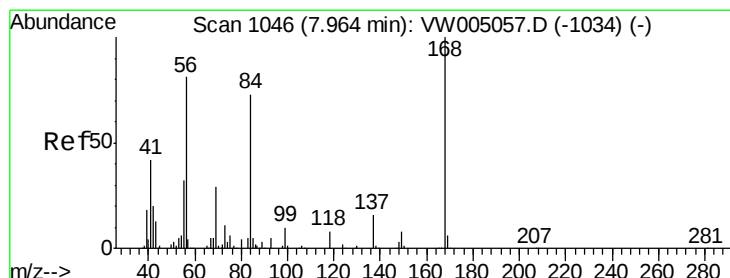
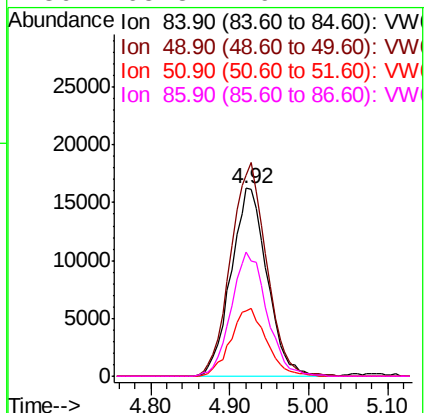
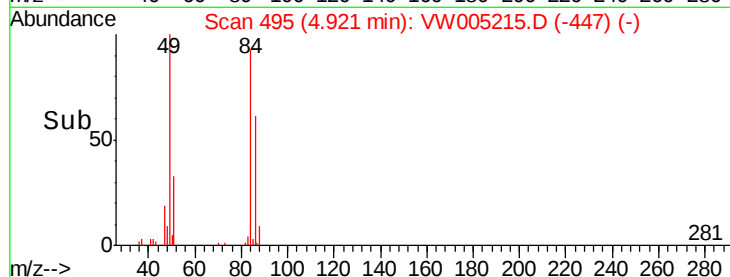
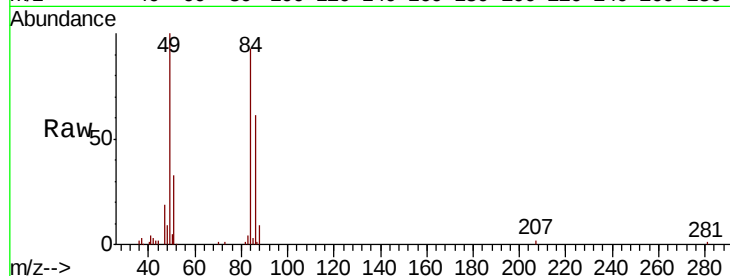
Ion Ratio Lower Upper

84 100

49 107.1 88.7 133.1

51 34.9 28.6 42.8

86 65.8 49.4 74.2



#31

Cyclohexane

Concen: 1.147 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005215.D

Acq: 07 Sep 2018 17:50

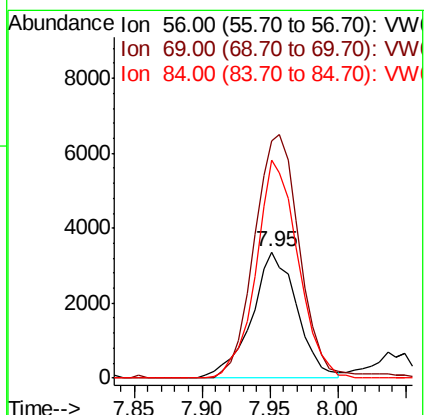
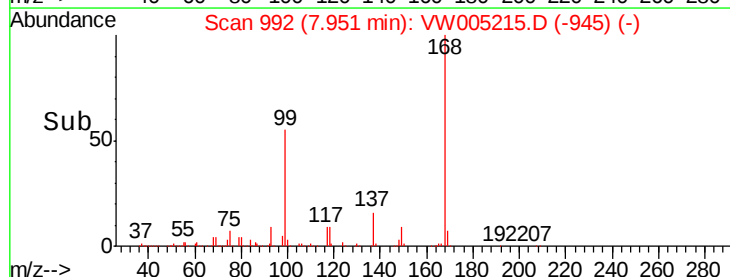
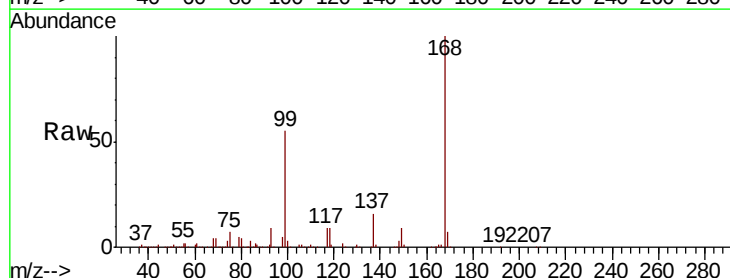
Tgt Ion: 56 Resp: 7842

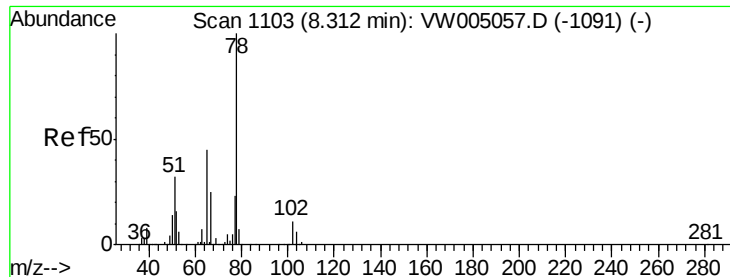
Ion Ratio Lower Upper

56 100

69 188.0 28.2 42.2#

84 173.0 71.8 107.8#





#33

1,2-Dichloroethane-d4

Concen: 37.708 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005215.D

Acq: 07 Sep 2018 17:50

Instrument :

MSVOA_W

ClientSampleId :

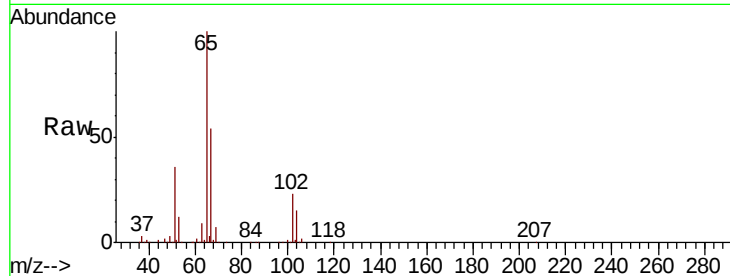
DW-11RE

Tgt Ion: 65 Resp: 131274

Ion Ratio Lower Upper

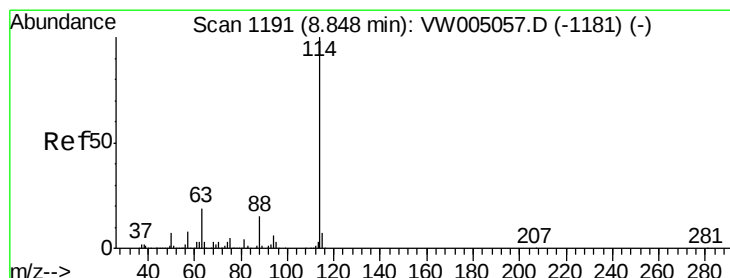
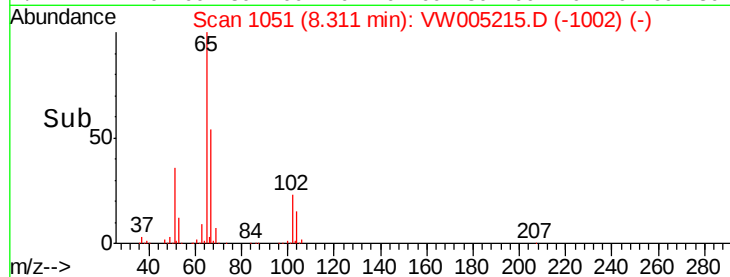
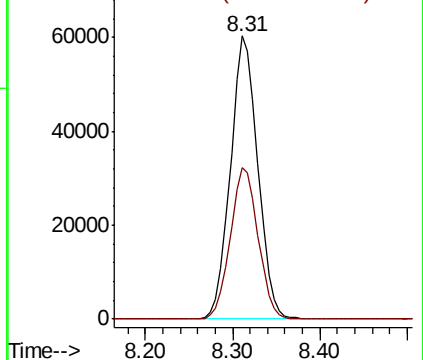
65 100

67 54.4 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# 1139

Delta R.T. -0.00 min

Lab File: VW005215.D

Acq: 07 Sep 2018 17:50

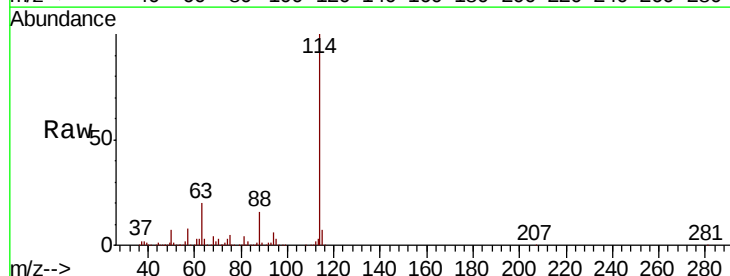
Tgt Ion: 114 Resp: 679088

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.0

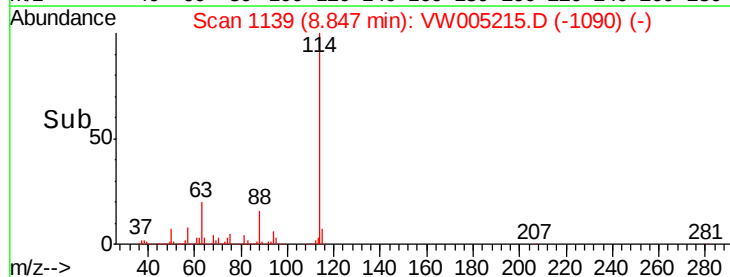
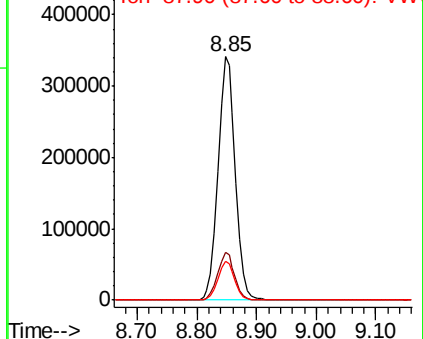
88 15.8 0.0 30.2

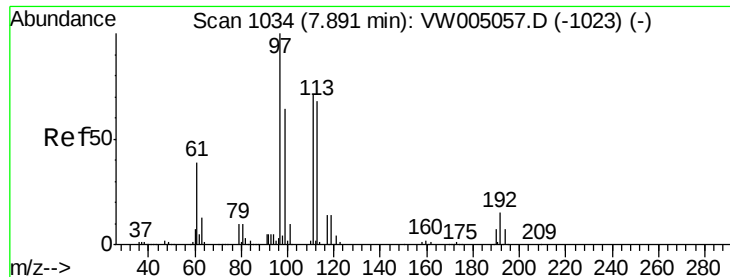


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

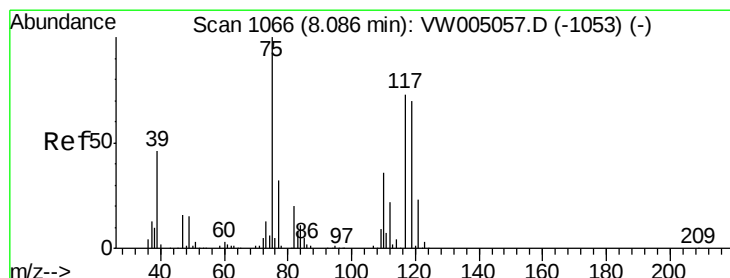
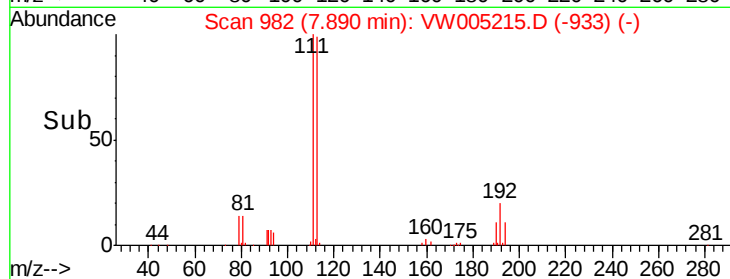
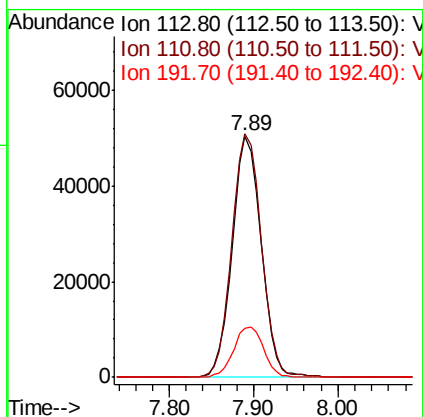
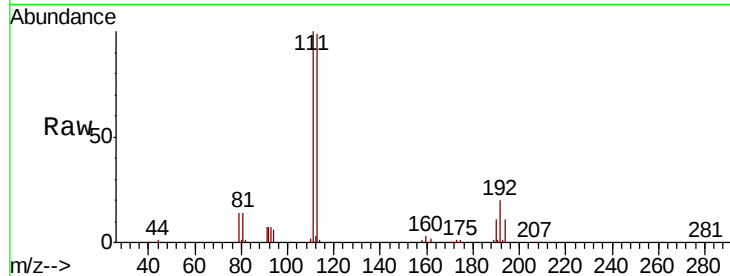




#35
 Dibromofluoromethane
 Concen: 29.742 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005215.D
 Acq: 07 Sep 2018 17:50

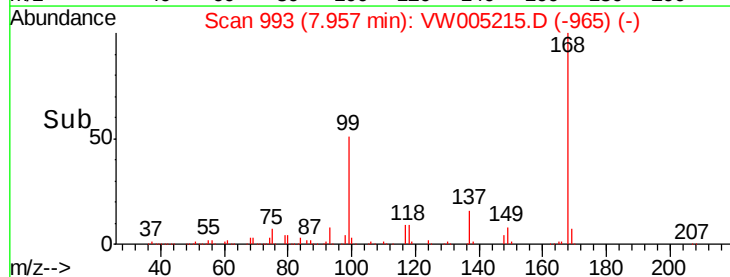
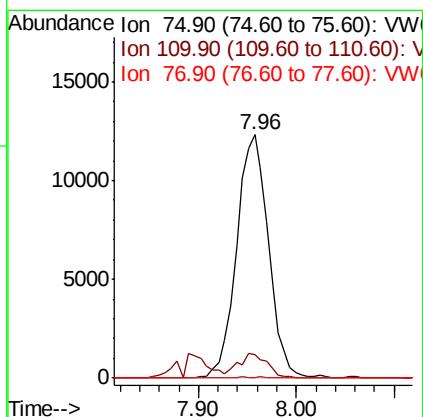
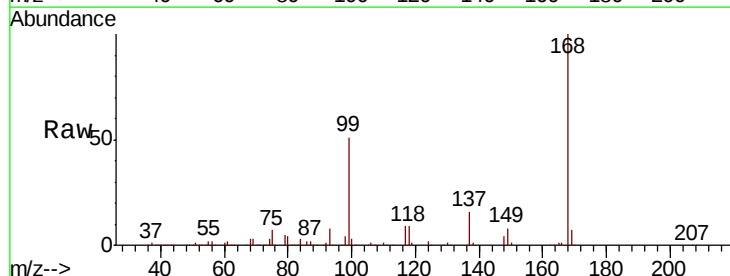
Instrument :
 MSVOA_W
 ClientSampleId :
 DW-11RE

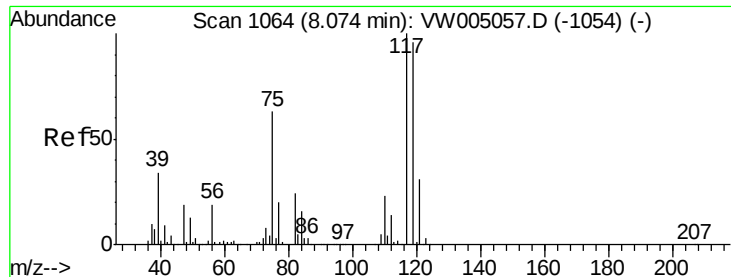
Tgt Ion: 113 Resp: 116716
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.2 123.2
 192 21.5 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 4.306 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005215.D
 Acq: 07 Sep 2018 17:50

Tgt Ion: 75 Resp: 27849
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.9 56.7#
 77 0.1 25.5 38.3#





#38

Carbon Tetrachloride

Concen: 6.141 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005215.D

Acq: 07 Sep 2018 17:50

Instrument :

MSVOA_W

ClientSampleId :

DW-11RE

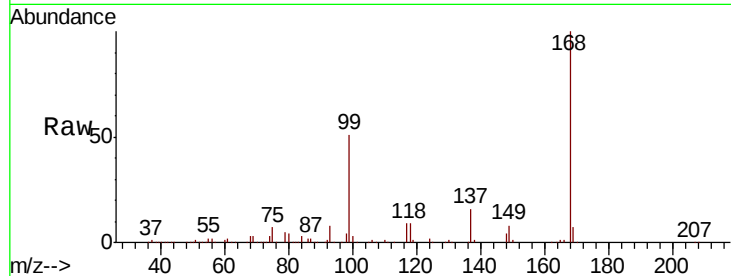
Tgt Ion:117 Resp: 37763

Ion Ratio Lower Upper

117 100

119 6.0 76.6 115.0#

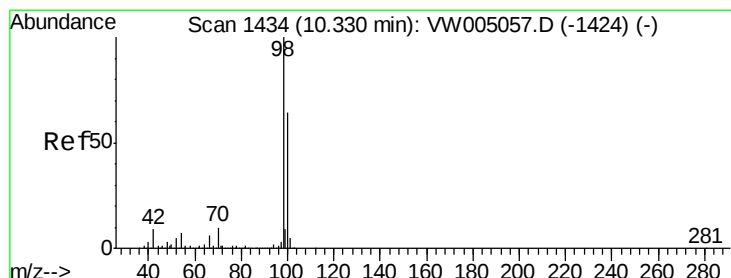
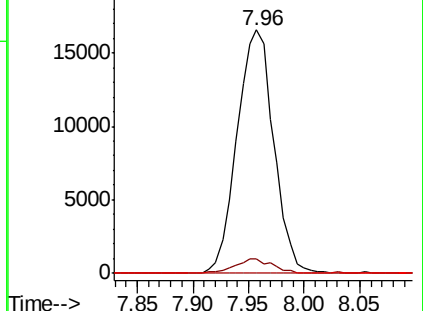
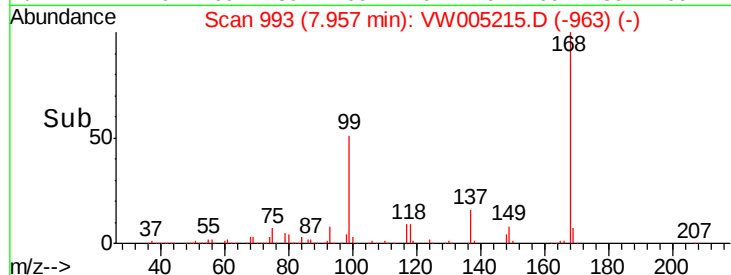
121 0.0 24.8 37.2#



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: 18.763 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005215.D

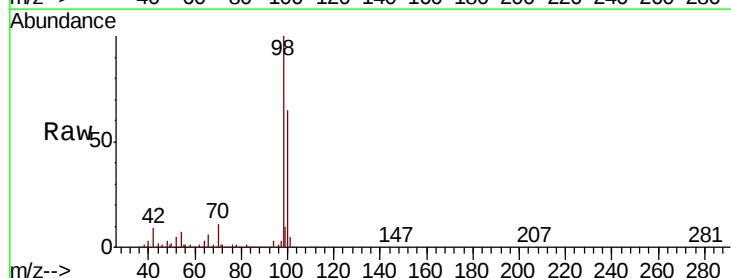
Acq: 07 Sep 2018 17:50

Tgt Ion: 98 Resp: 339289

Ion Ratio Lower Upper

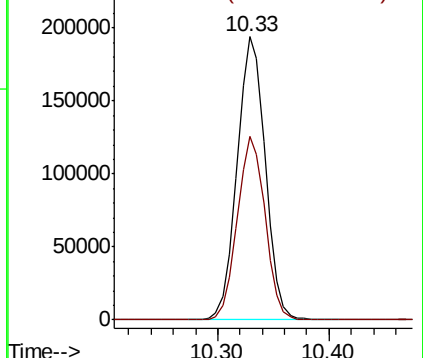
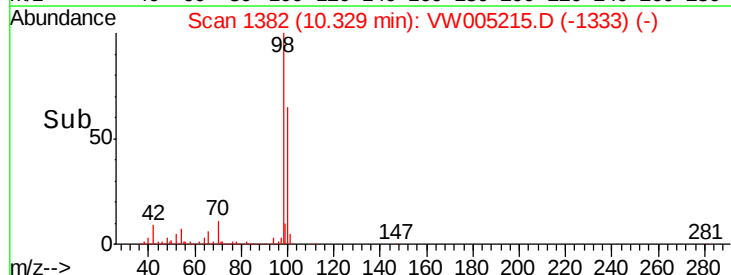
98 100

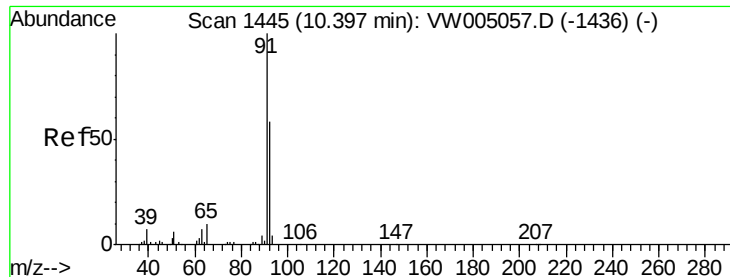
100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.047 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW005215.D

Acq: 07 Sep 2018 17:50

Instrument :

MSVOA_W

ClientSampleId :

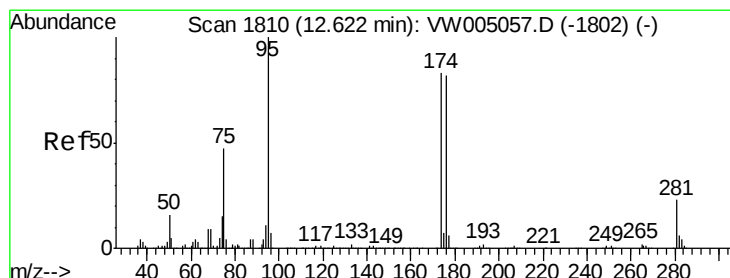
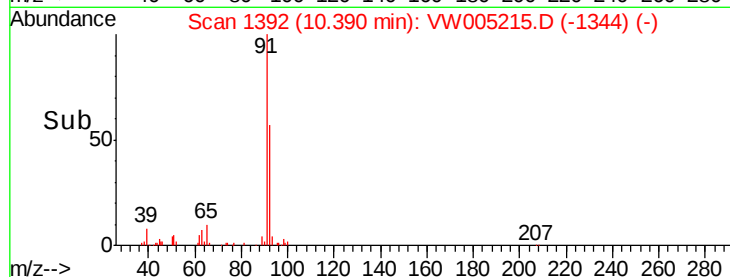
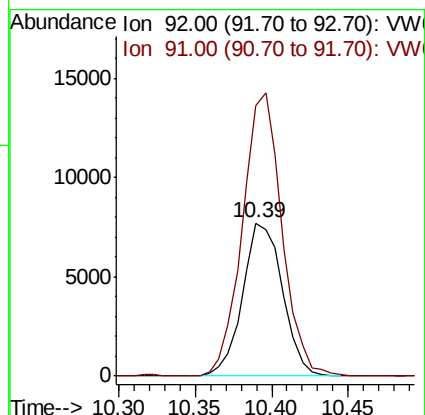
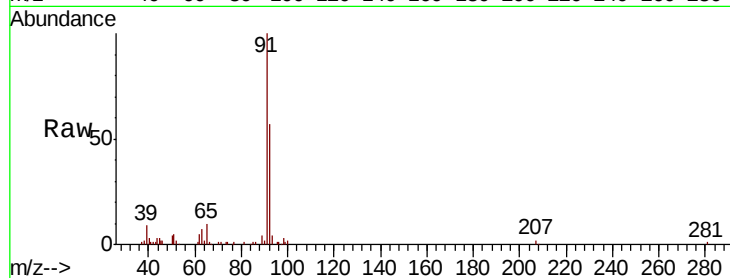
DW-11RE

Tgt Ion: 92 Resp: 14040

Ion Ratio Lower Upper

92 100

91 182.2 139.2 208.8



#62

4-Bromofluorobenzene

Concen: 16.681 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005215.D

Acq: 07 Sep 2018 17:50

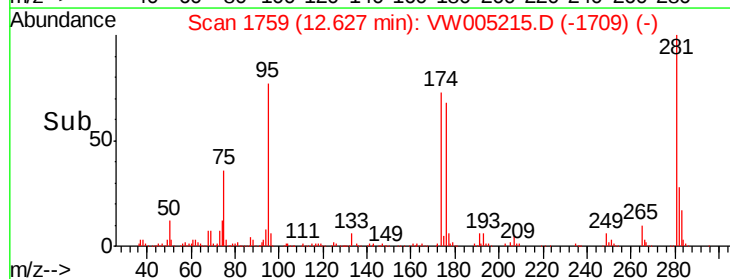
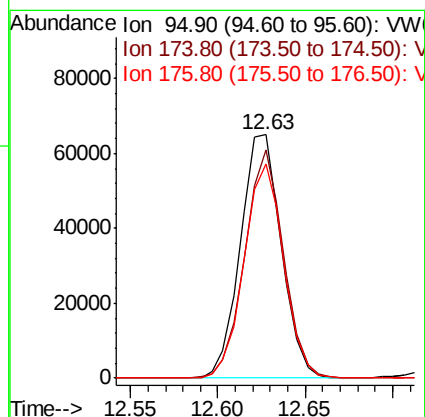
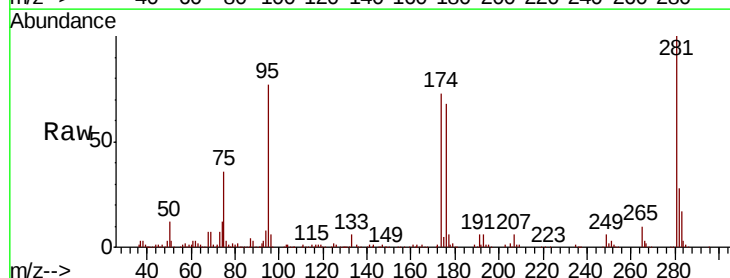
Tgt Ion: 95 Resp: 106362

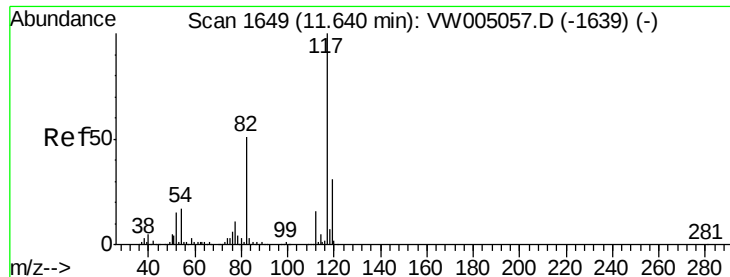
Ion Ratio Lower Upper

95 100

174 88.5 0.0 173.4

176 85.1 0.0 167.4

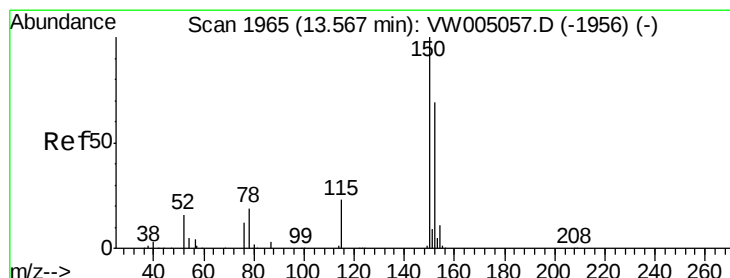
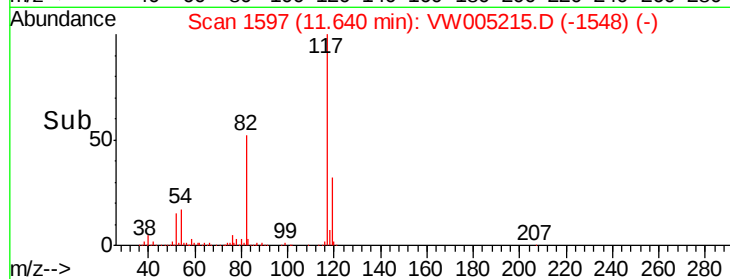
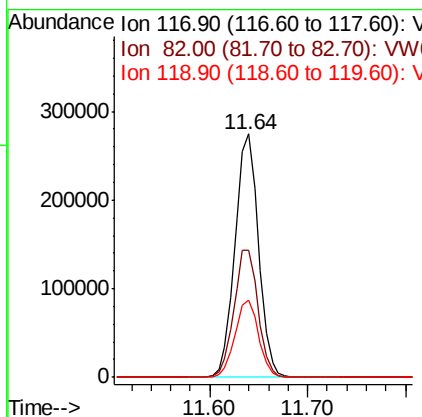
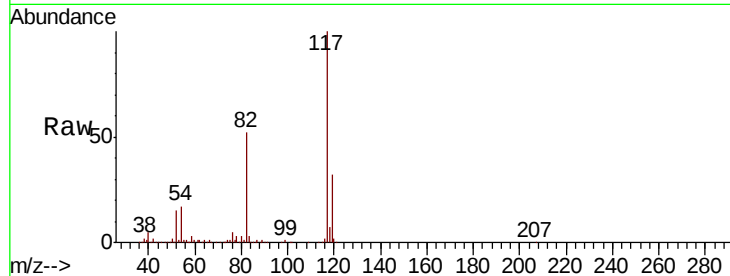




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.64 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VW005215.D
 Acq: 07 Sep 2018 17:50

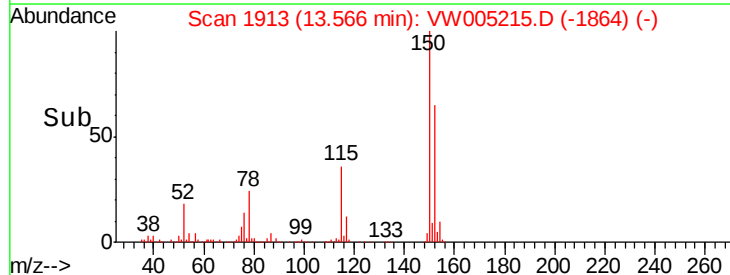
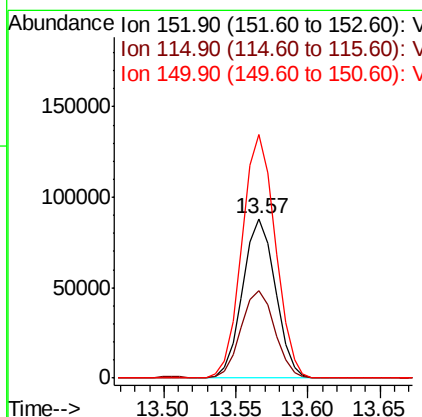
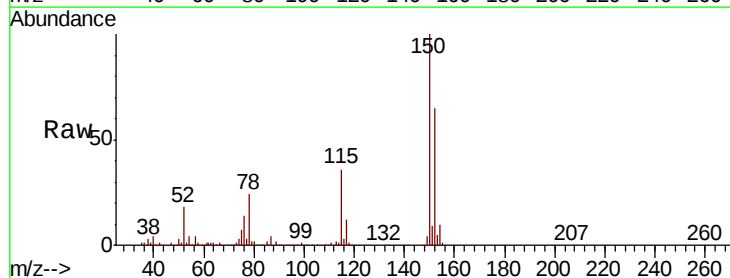
Instrument :
 MSVOA_W
 ClientSampled :
 DW-11RE

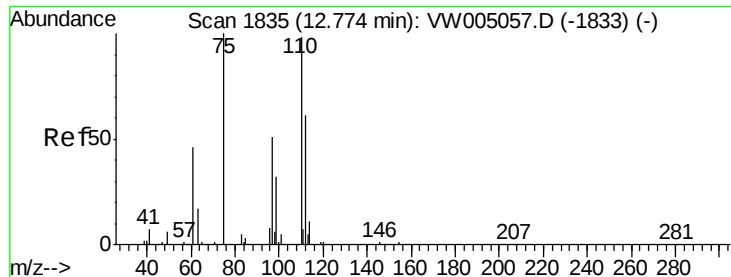
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.3	40.9	61.3
119	31.9	24.9	37.3



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VW005215.D
 Acq: 07 Sep 2018 17:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	27.8	83.4
150	155.3	0.0	351.4





#76

1,2,3-Trichloropropane

Concen: 49.236 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005215.D

Acq: 07 Sep 2018 17:50

Instrument :

MSVOA_W

ClientSampleId :

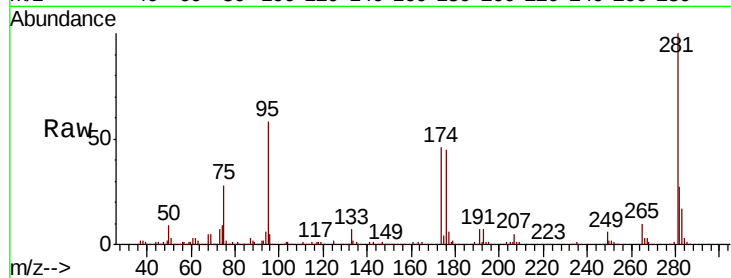
DW-11RE

Tgt Ion: 75 Resp: 51486

Ion Ratio Lower Upper

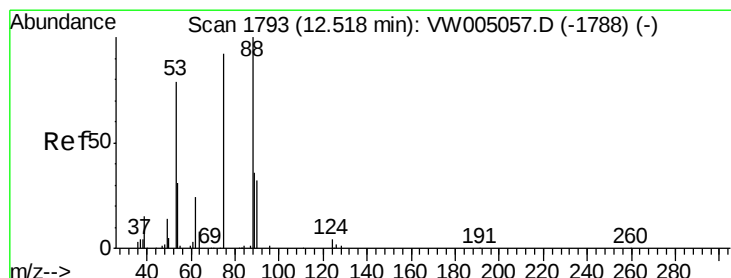
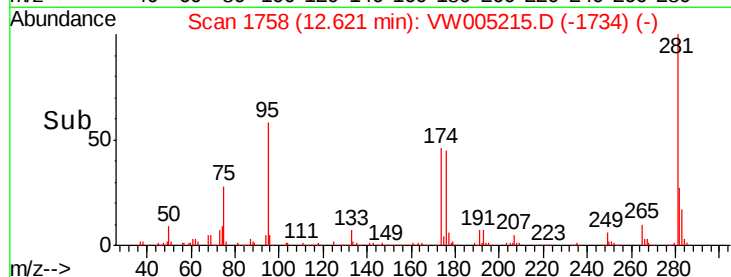
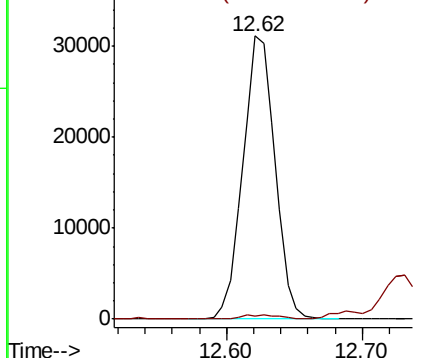
75 100

77 1.8 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: 118.505 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005215.D

Acq: 07 Sep 2018 17:50

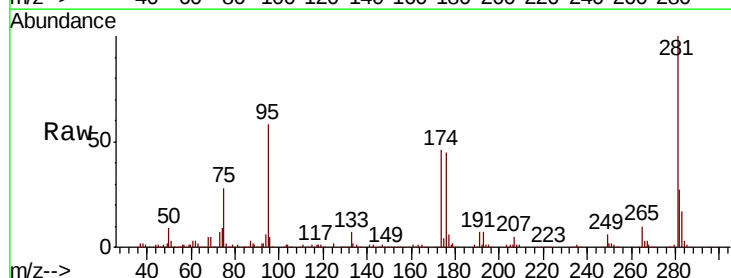
Tgt Ion: 75 Resp: 51486

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

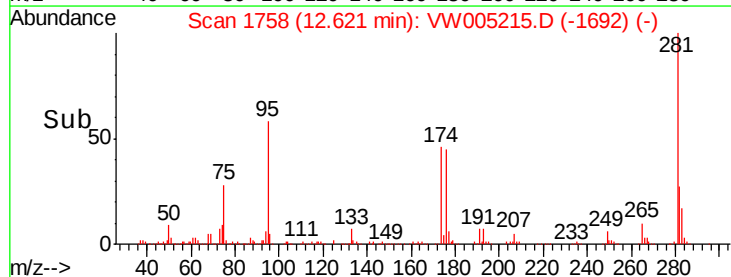
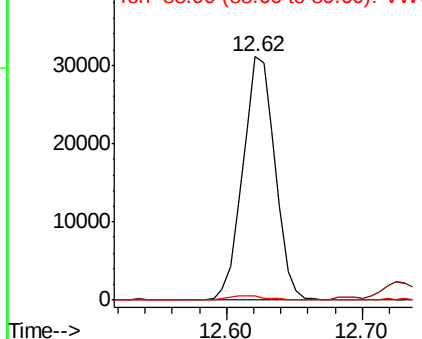
89 2.0 36.0 54.0#

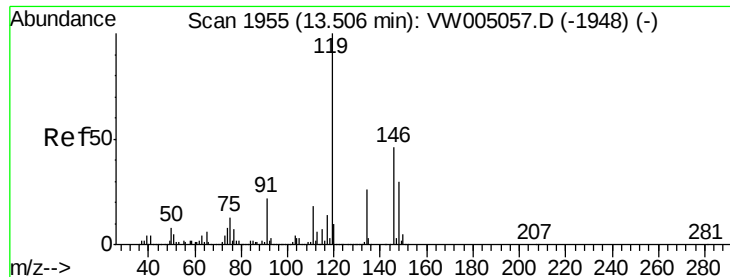


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

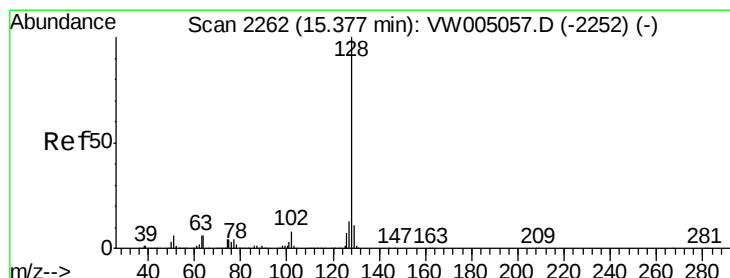
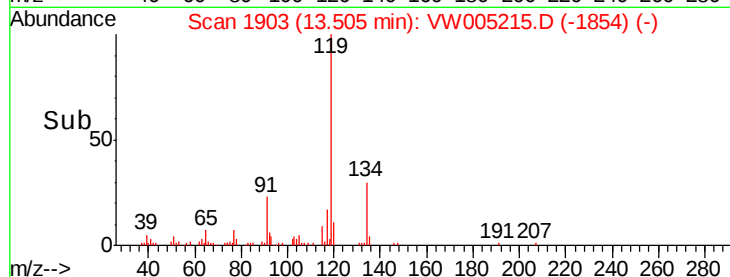
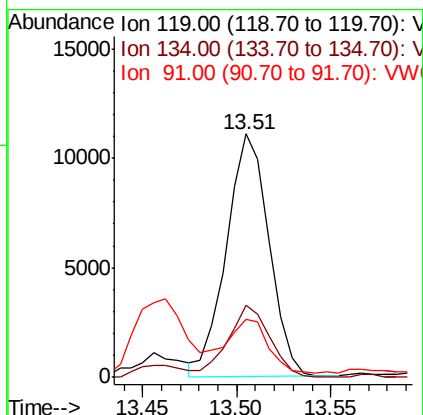
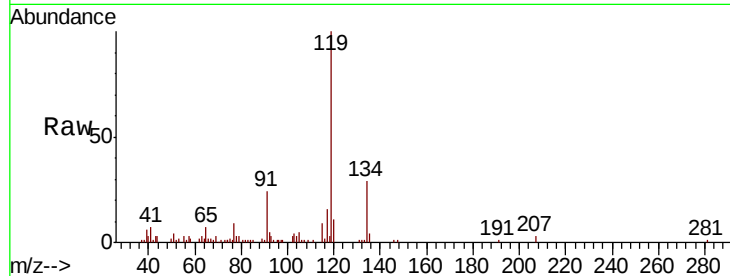




#86
p-Isopropyltoluene
Concen: 1.870 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. -0.00 min
Lab File: VW005215.D
Acq: 07 Sep 2018 17:50

Instrument :
MSVOA_W
ClientSampleId :
DW-11RE

Tgt Ion	Ratio	Lower	Upper
119	100		
134	29.7	13.3	39.8
91	23.1	10.9	32.9



#95
Naphthalene
Concen: 4.599 ug/l
RT: 15.38 min Scan# 2211
Delta R.T. 0.01 min
Lab File: VW005215.D
Acq: 07 Sep 2018 17:50

Tgt Ion	Ratio	Lower	Upper
128	100		
127	17.6	10.4	15.6#
129	11.2	8.7	13.1

