

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
 Data File : VW005315.D
 Acq On : 12 Sep 2018 10:12
 Operator : SY/AP
 Sample : J4777-07RE
 Misc : 5.65G/5ML/MSVOA W/SOIL
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 12 10:58:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	401542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	664355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	472527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	121137	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	188364	62.89	ug/l	0.00
Spiked Amount			Recovery	=	125.78%	
35) Dibromofluoromethane	7.89	113	56786	16.32	ug/l	0.00
Spiked Amount			Recovery	=	32.64%	
50) Toluene-d8	10.33	98	612136	34.81	ug/l	0.00
Spiked Amount			Recovery	=	69.62%	
62) 4-Bromofluorobenzene	12.63	95	145525	22.62	ug/l	0.00
Spiked Amount			Recovery	=	45.24%	

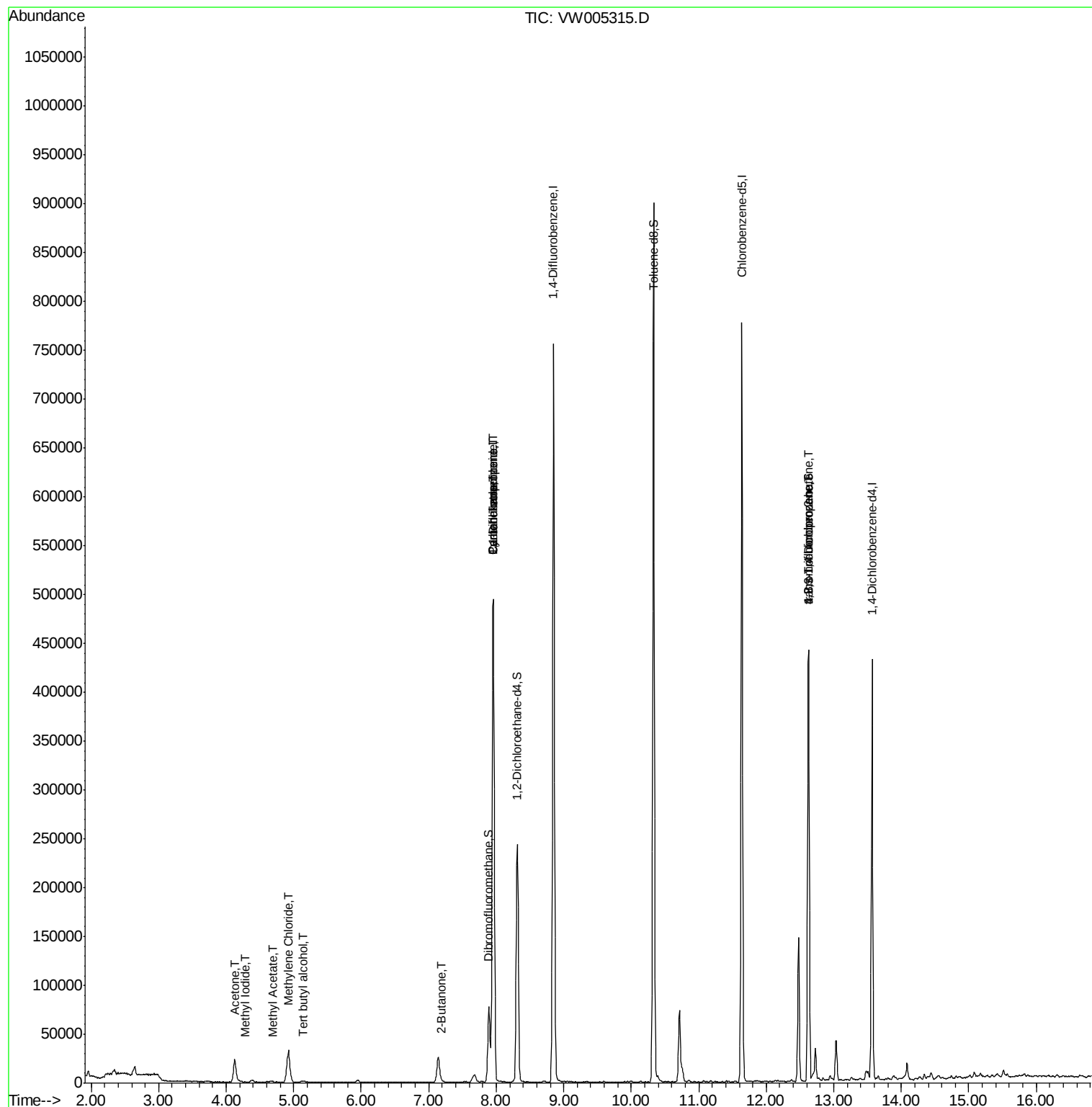
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	807	Below Cal	#	48
10) Methyl Iodide	4.28	142	87	3.346	ug/l #	45
11) Tert butyl alcohol	5.14	59	1729	7.040	ug/l #	73
16) Acetone	4.13	43	41394	74.462	ug/l	99
18) Methyl Acetate	4.69	43	1829	1.102	ug/l #	86
20) Methylene Chloride	4.92	84	26239	3.274	ug/l	95
25) 2-Butanone	7.19	43	1439	1.641	ug/l	93
31) Cyclohexane	7.95	56	6819	1.064	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	27741	4.558	ug/l #	48
38) Carbon Tetrachloride	7.96	117	34892	6.120	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	66922	71.826	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	66922	168.448	ug/l #	16

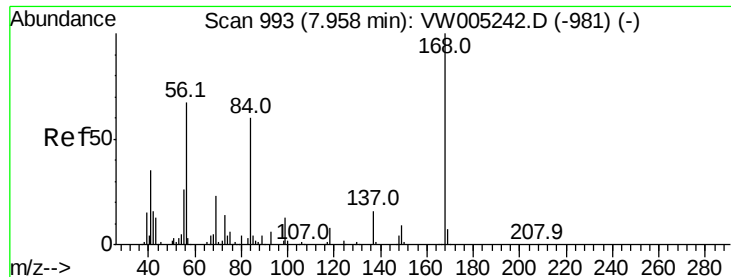
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091118\
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QLast Update : Tue Sep 11 03:48:23 2018
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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: VW005315.D

Acq: 12 Sep 2018 10:12

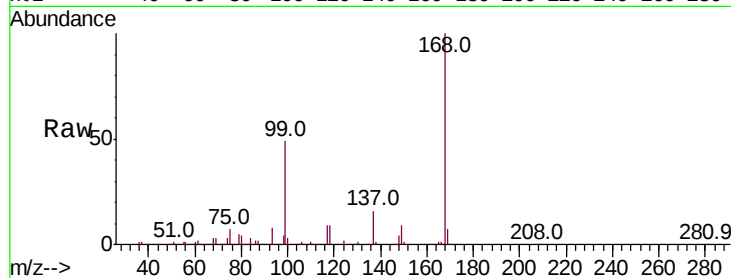
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 401542

Ion Ratio Lower Upper

168 100

99 49.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

150000

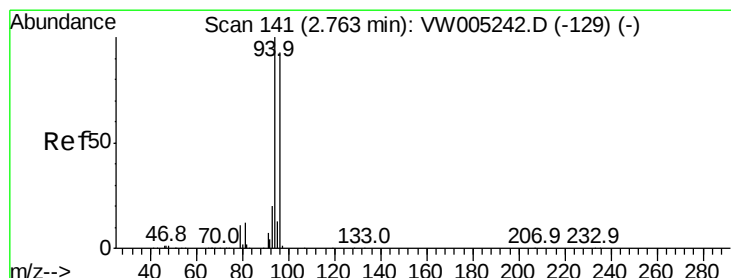
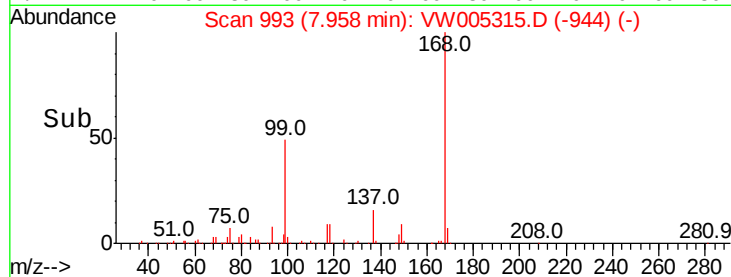
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW005315.D

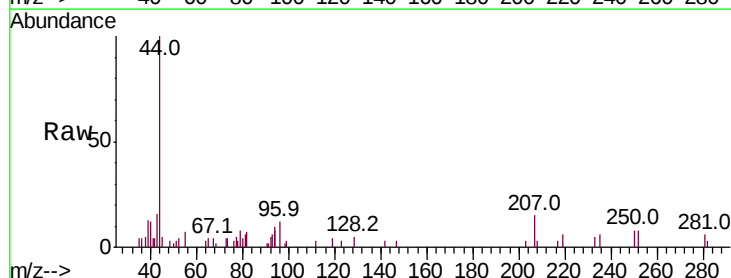
Acq: 12 Sep 2018 10:12

Tgt Ion: 94 Resp: 807

Ion Ratio Lower Upper

94 100

96 42.6 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

500

400

300

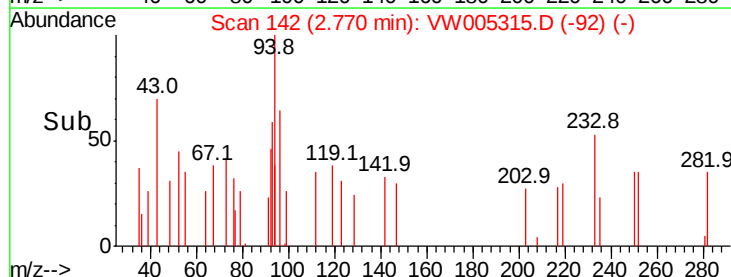
200

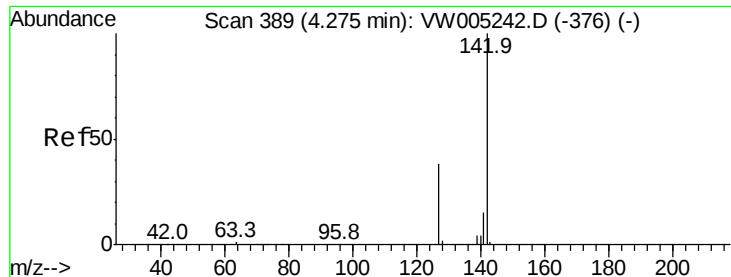
100

0

2.70 2.75 2.80

Time-->





#10

Methyl Iodide

Concen: 3.346 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW005315.D

Acq: 12 Sep 2018 10:12

Instrument :

MSVOA_W

ClientSampled :

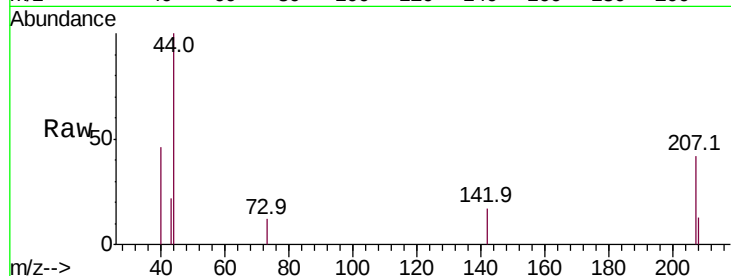
Tot Ion:142 Resp: 87

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

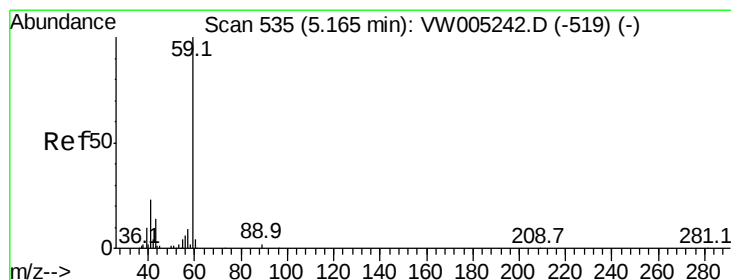
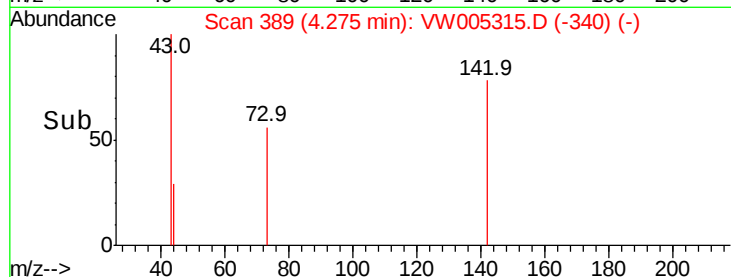
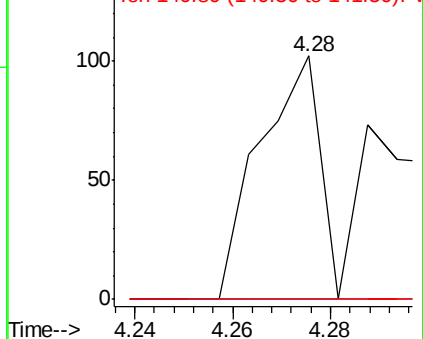
141 0.0 11.4 17.0#



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



#11

Tert butyl alcohol

Concen: 7.040 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.02 min

Lab File: VW005315.D

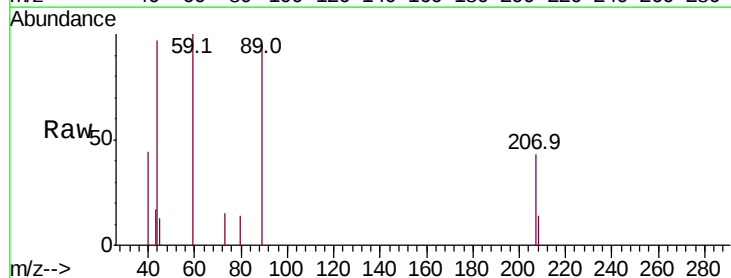
Acq: 12 Sep 2018 10:12

Tgt Ion: 59 Resp: 1729

Ion Ratio Lower Upper

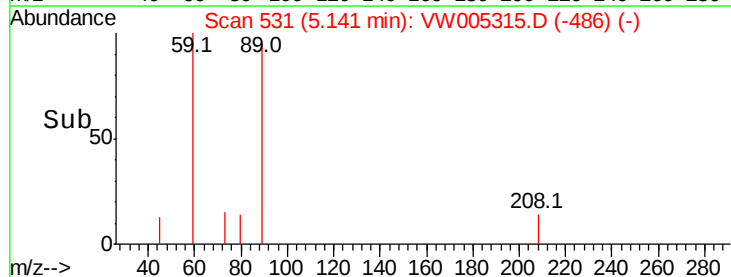
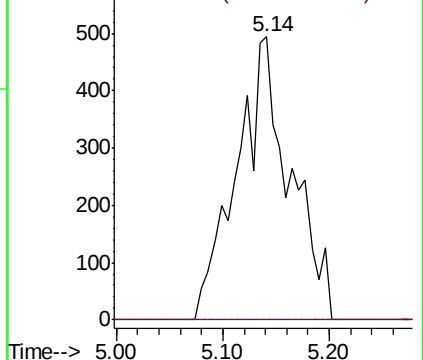
59 100

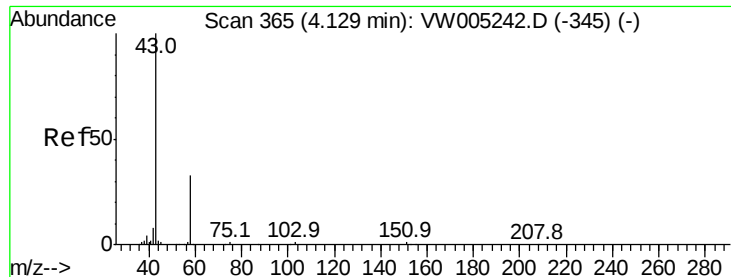
57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 74.462 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW005315.D

Acq: 12 Sep 2018 10:12

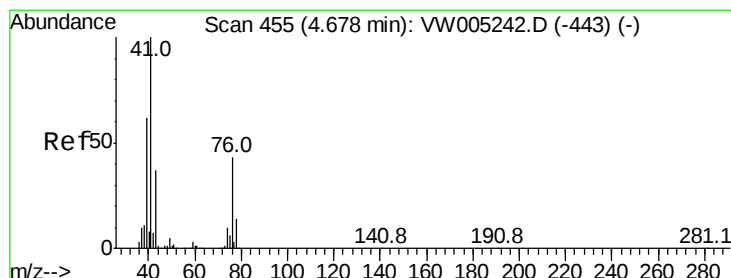
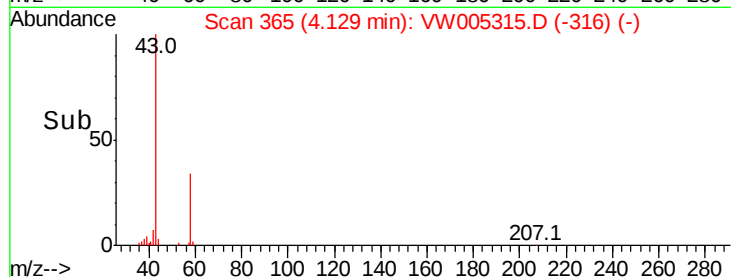
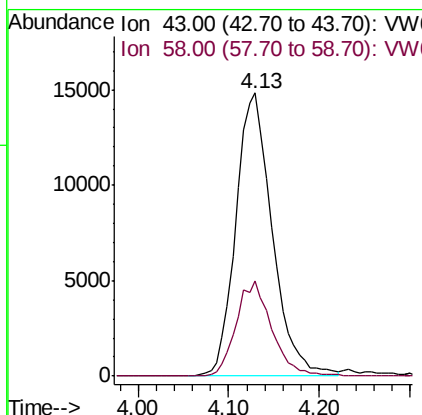
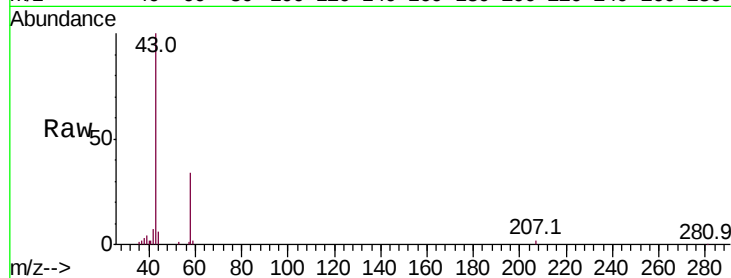
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 41394

Ion Ratio Lower Upper

43 100

58 33.9 26.7 40.1



#18

Methyl Acetate

Concen: 1.102 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW005315.D

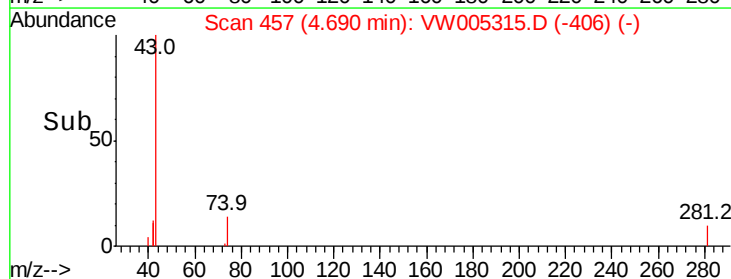
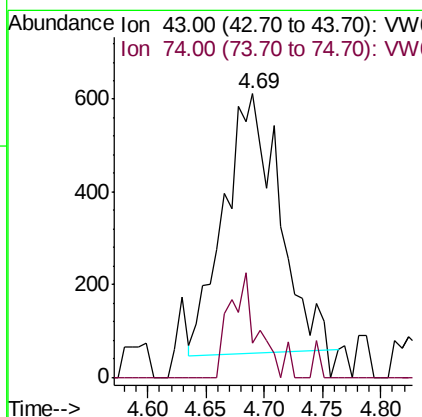
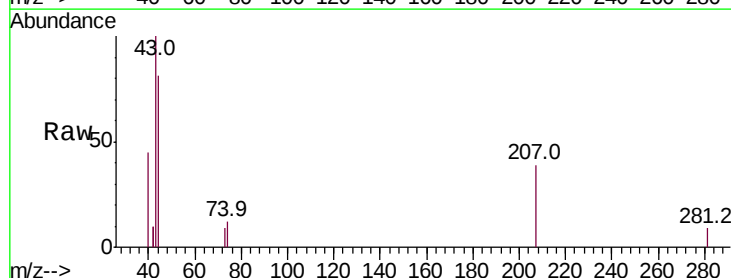
Acq: 12 Sep 2018 10:12

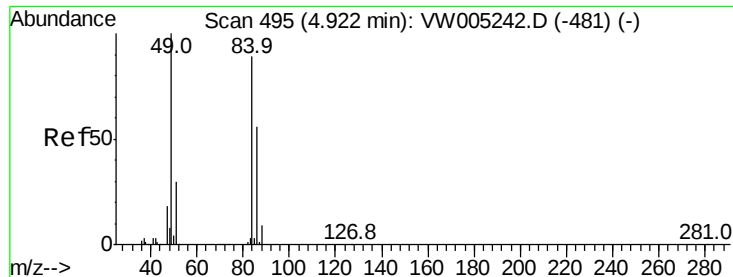
Tgt Ion: 43 Resp: 1829

Ion Ratio Lower Upper

43 100

74 19.5 21.4 32.2#

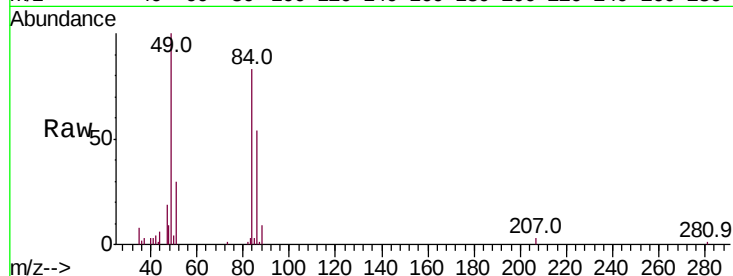




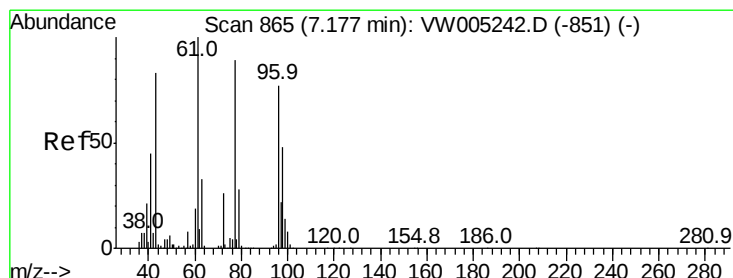
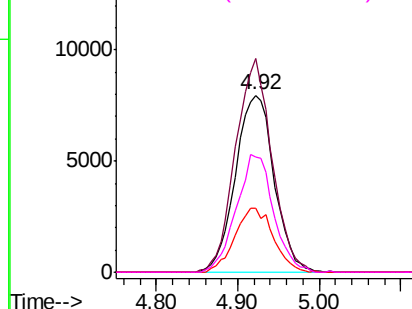
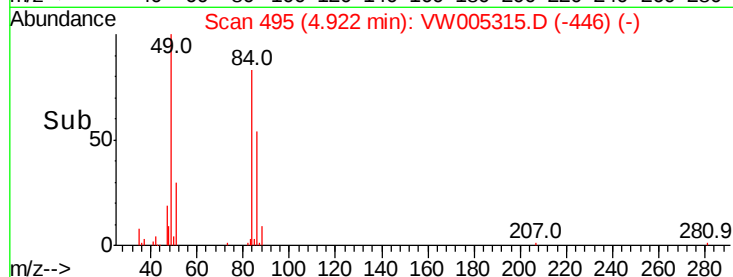
#20
Methvlene Chloride
Concen: 3.274 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW005315.D
Acq: 12 Sep 2018 10:12

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	84	Resp:	26239
Ion	Ratio	Lower	Upper
84	100		
49	120.9	90.3	135.5
51	36.2	26.9	40.3
86	65.1	50.8	76.2

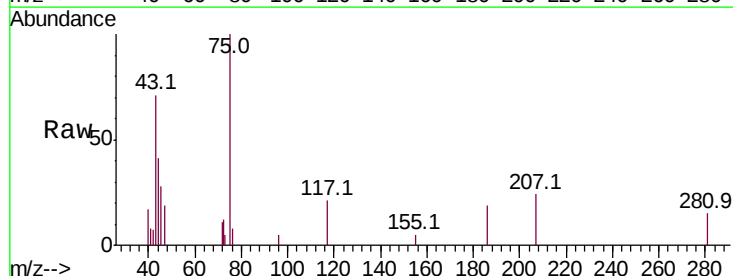


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

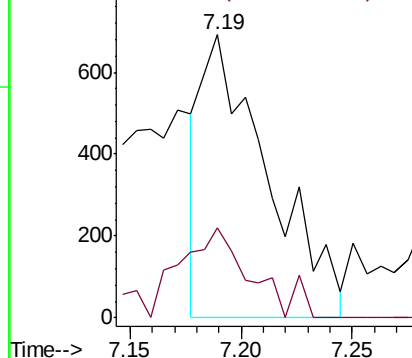
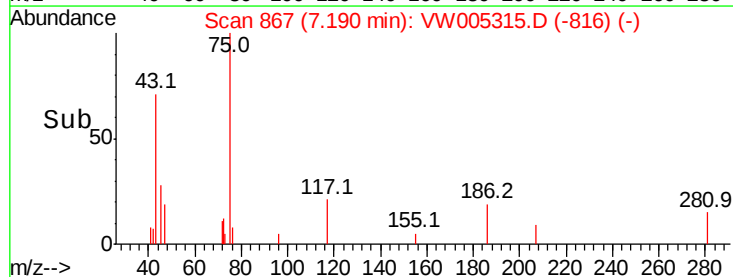


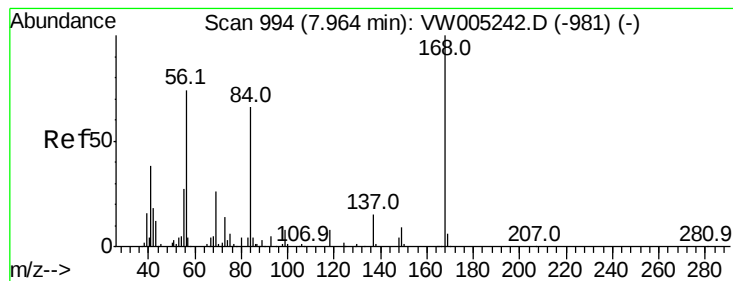
#25
2-Butanone
Concen: 1.641 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW005315.D
Acq: 12 Sep 2018 10:12

Tgt Ion:	43	Resp:	1439
Ion	Ratio	Lower	Upper
43	100		
72	35.1	25.0	37.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.064 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005315.D

Acq: 12 Sep 2018 10:12

Instrument :
MSVOA_W
ClientSampled :

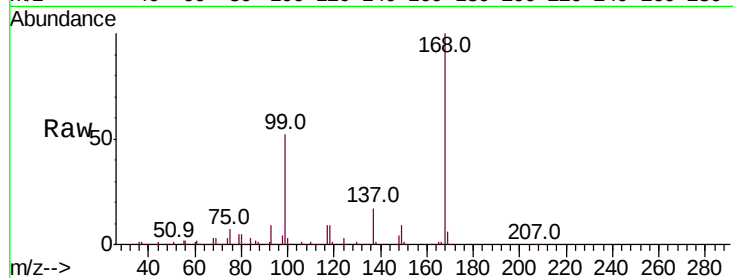
Tot Ion: 56 Resp: 6819

Ion Ratio Lower Upper

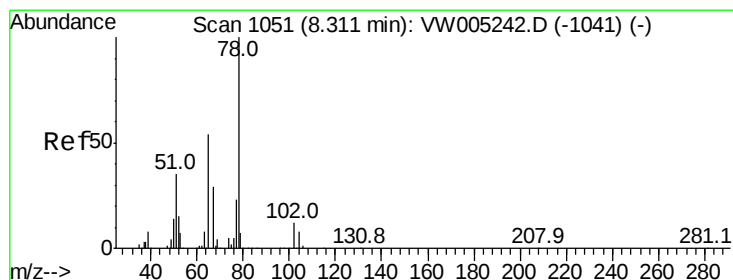
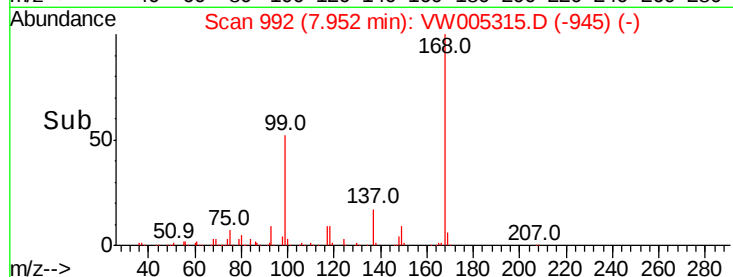
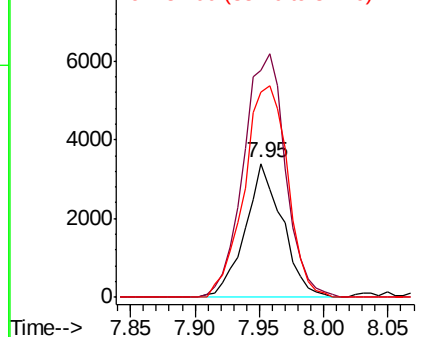
56 100

69 169.8 27.8 41.8#

84 153.4 72.1 108.1#



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: 62.894 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005315.D

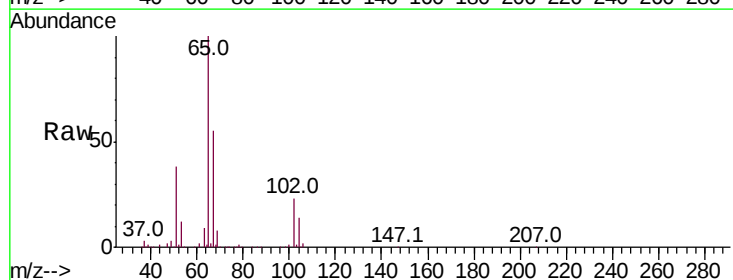
Acq: 12 Sep 2018 10:12

Tgt Ion: 65 Resp: 188364

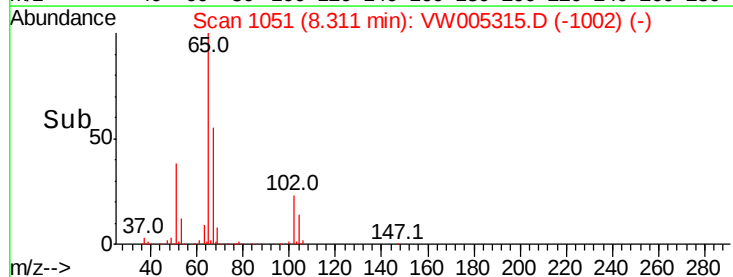
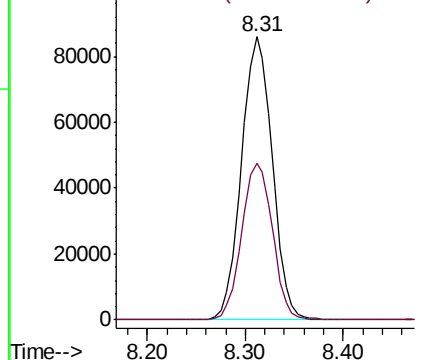
Ion Ratio Lower Upper

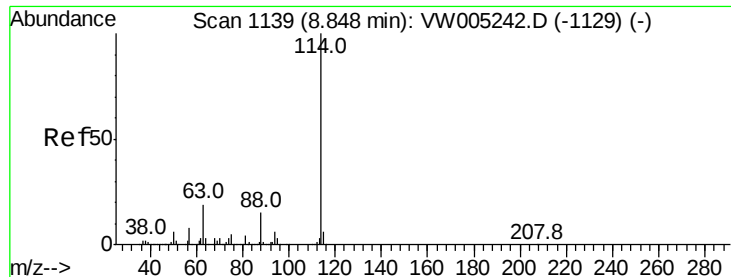
65 100

67 55.5 0.0 112.2



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: VW005315.D

Acq: 12 Sep 2018 10:12

Instrument :

MSVOA_W

ClientSampleId :

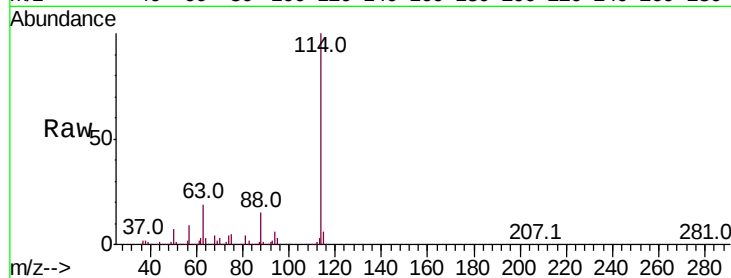
Tot Ion:114 Resp: 664355

Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.0

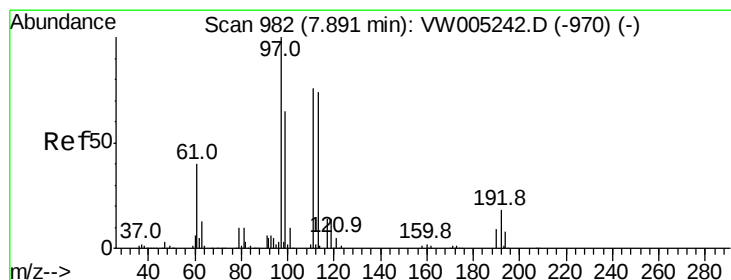
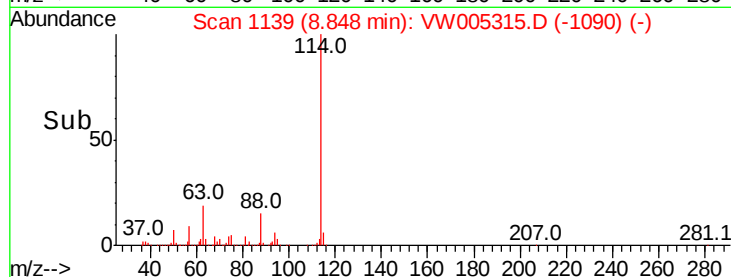
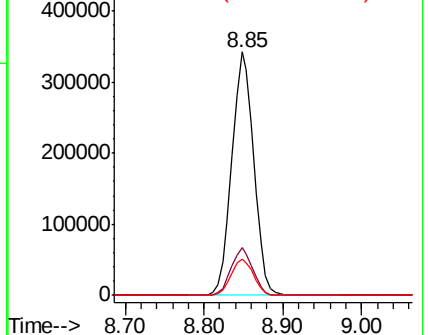
88 14.9 0.0 30.4



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: 16.317 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW005315.D

Acq: 12 Sep 2018 10:12

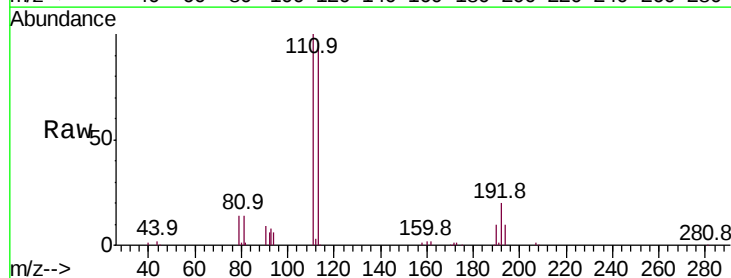
Tgt Ion:113 Resp: 56786

Ion Ratio Lower Upper

113 100

111 103.7 80.6 121.0

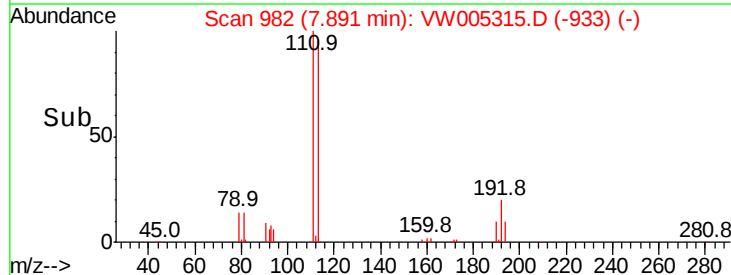
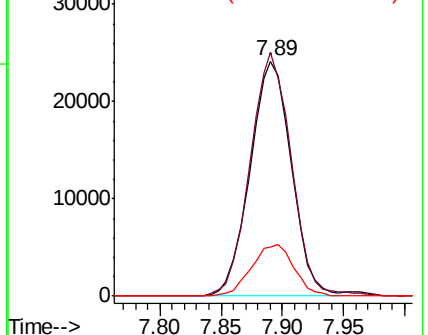
192 22.6 18.3 27.5

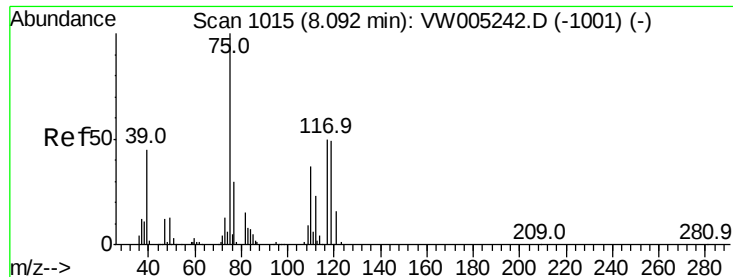


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.558 ug/l

RT: 7.95 min Scan# 992

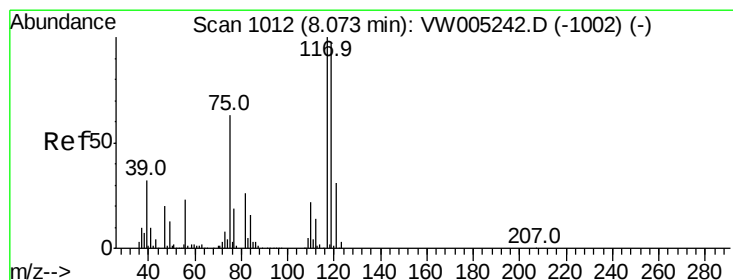
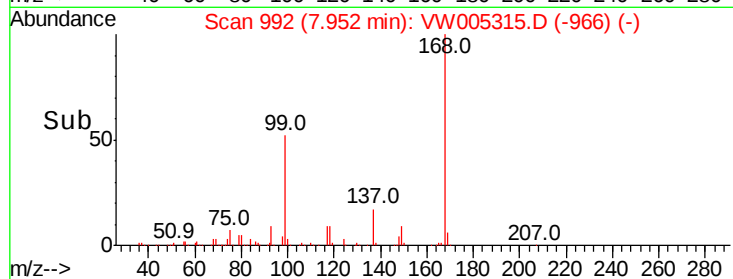
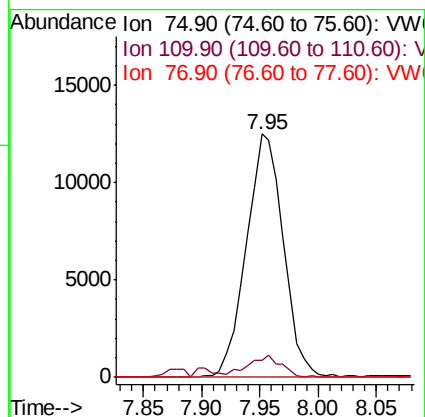
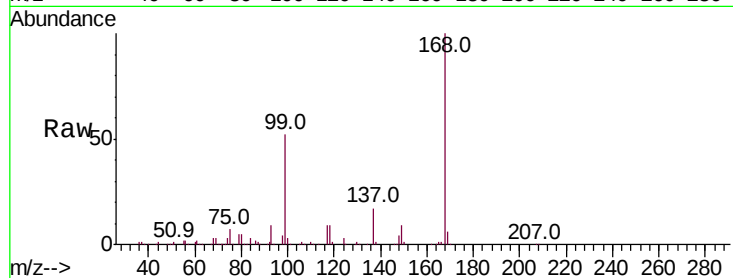
Delta R.T. -0.14 min

Lab File: VW005315.D

Acq: 12 Sep 2018 10:12

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	75	Resp:	27741
Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.8	56.4#
77	0.0	24.9	37.3#



#38

Carbon Tetrachloride

Concen: 6.120 ug/l

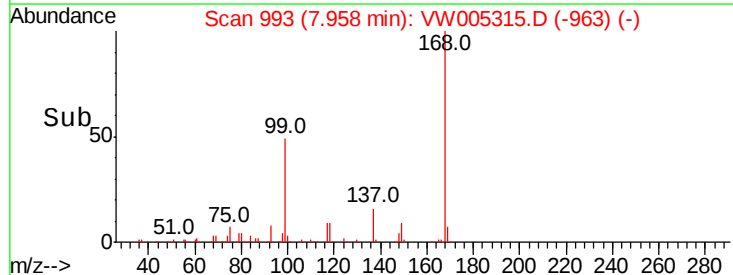
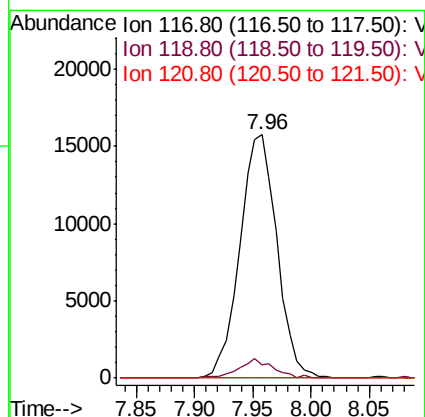
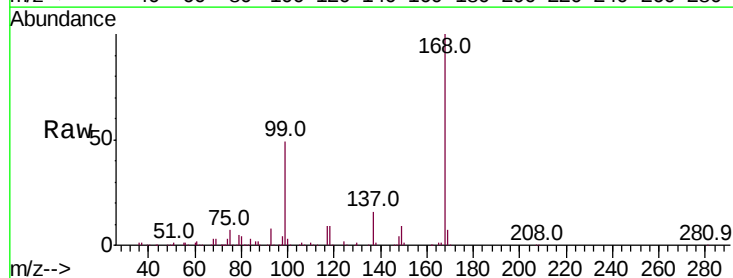
RT: 7.96 min Scan# 993

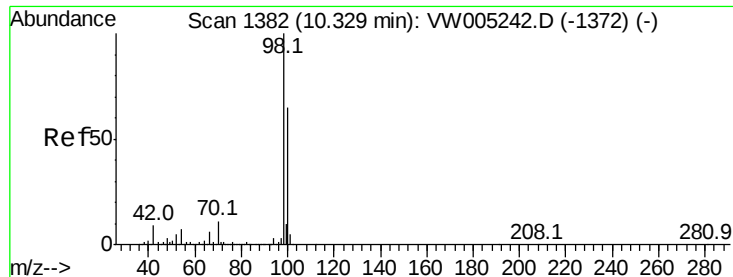
Delta R.T. -0.12 min

Lab File: VW005315.D

Acq: 12 Sep 2018 10:12

Tgt Ion:	117	Resp:	34892
Ion	Ratio	Lower	Upper
117	100		
119	5.6	77.5	116.3#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 34.809 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005315.D

Acq: 12 Sep 2018 10:12

Instrument :

MSVOA_W

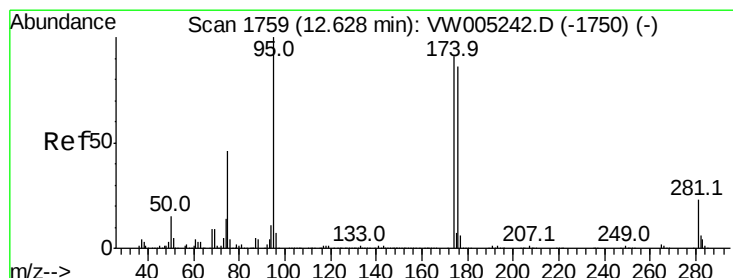
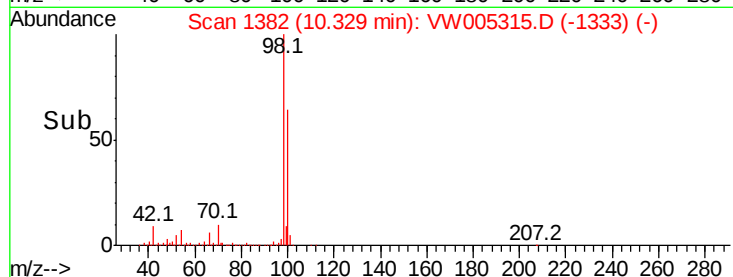
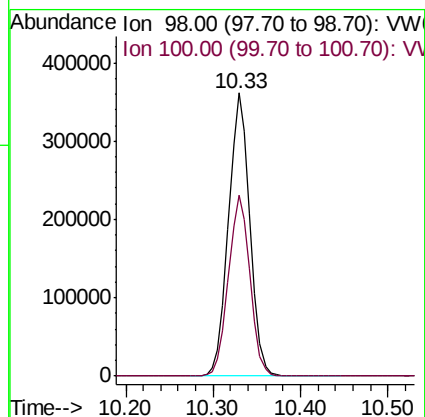
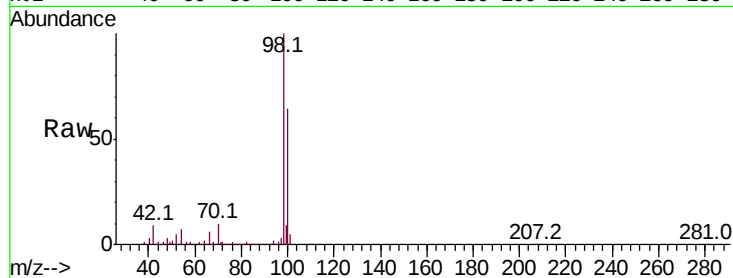
ClientSampleId :

Tot Ion: 98 Resp: 612136

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 22.624 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.00 min

Lab File: VW005315.D

Acq: 12 Sep 2018 10:12

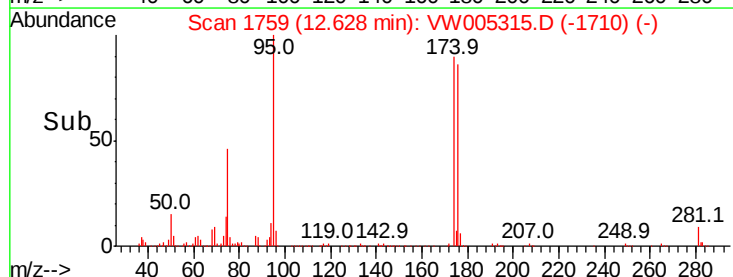
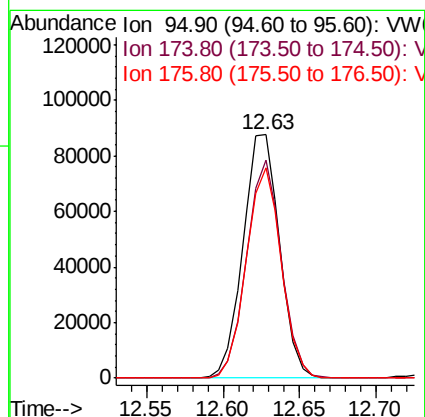
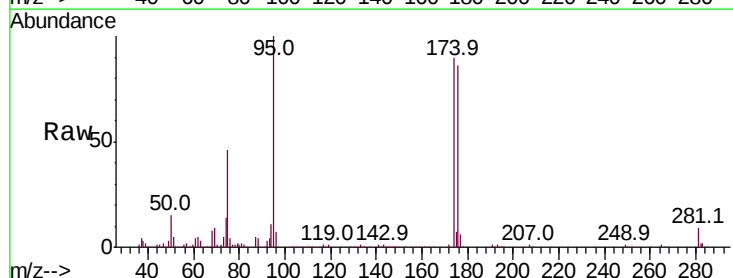
Tgt Ion: 95 Resp: 145525

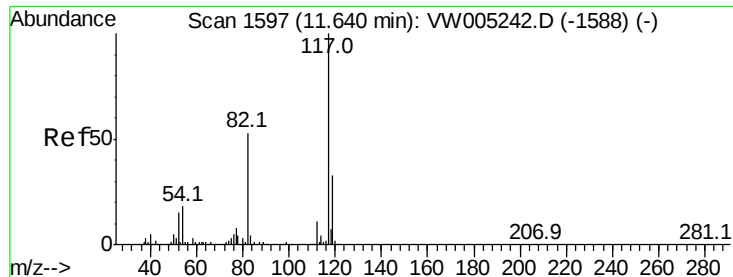
Ion Ratio Lower Upper

95 100

174 85.0 0.0 174.6

176 82.8 0.0 167.6

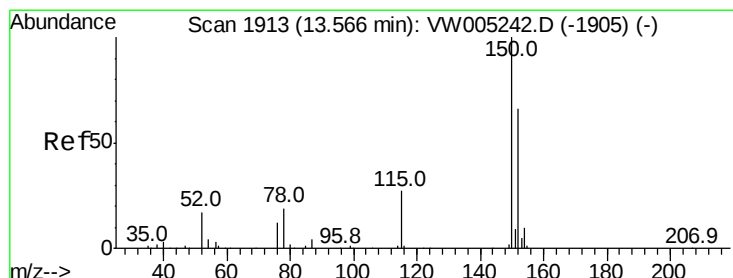
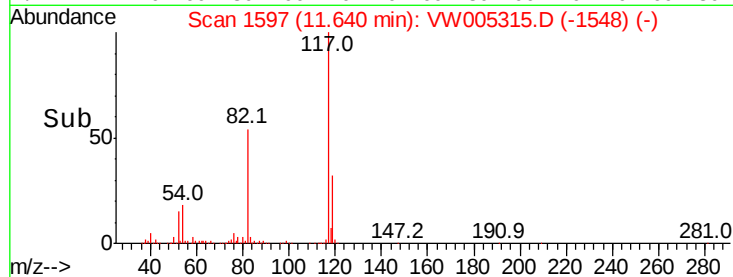
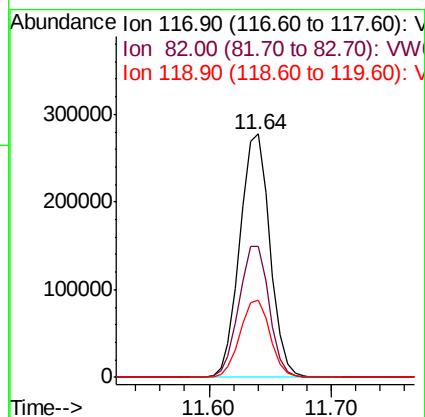
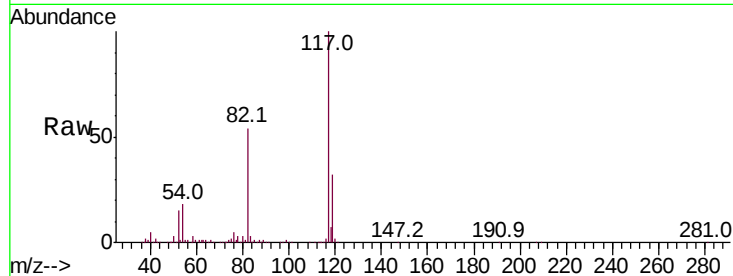




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VW005315.D
Acq: 12 Sep 2018 10:12

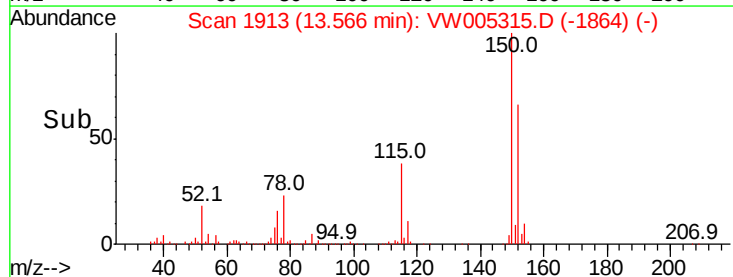
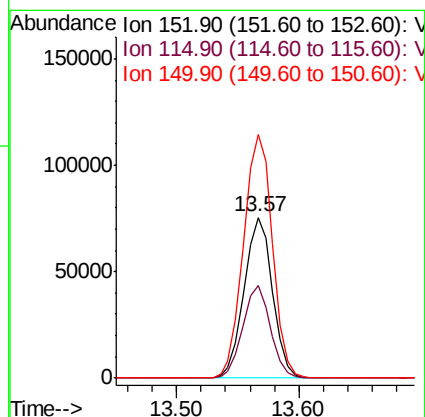
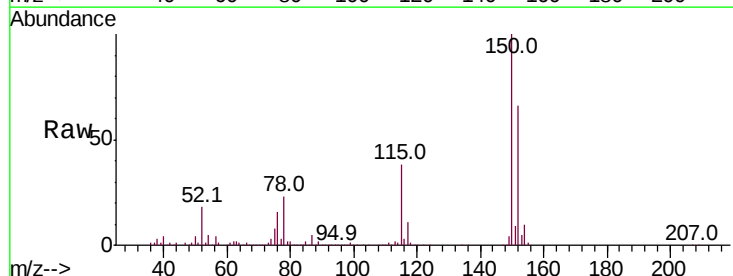
Instrument :
MSVOA_W
ClientSampled :

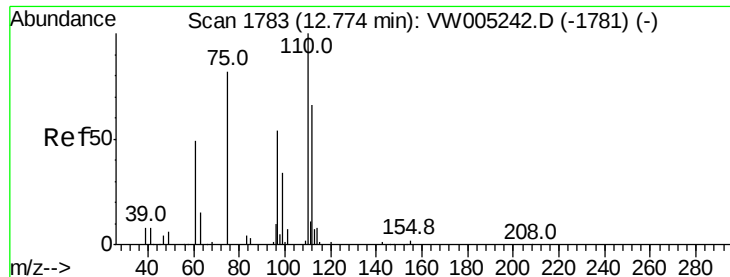
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.6	63.8
119	31.9	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005315.D
Acq: 12 Sep 2018 10:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.5	82.4
150	154.9	0.0	347.4





#76

1,2,3-Trichloropropane

Concen: 71.826 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005315.D

Acq: 12 Sep 2018 10:12

Instrument :

MSVOA_W

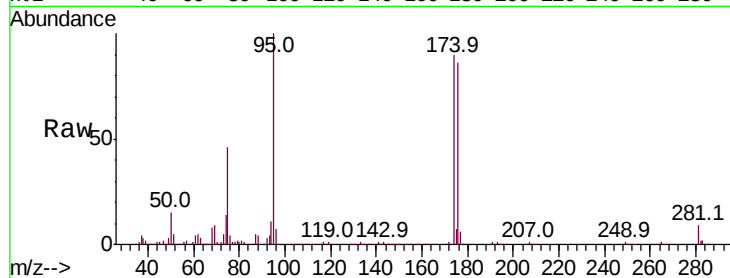
ClientSampleId :

Tot Ion: 75 Resp: 66922

Ion Ratio Lower Upper

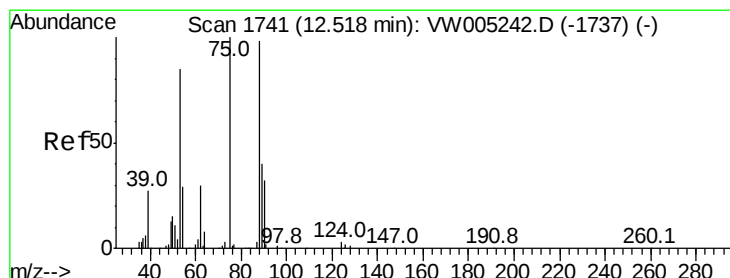
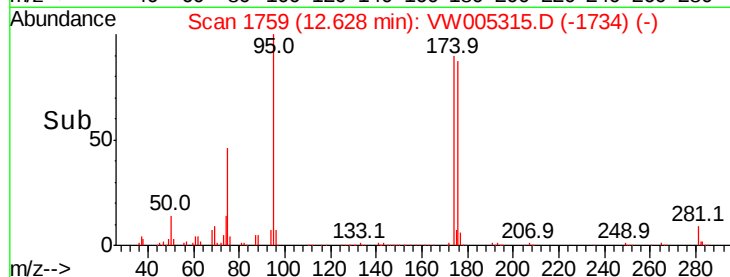
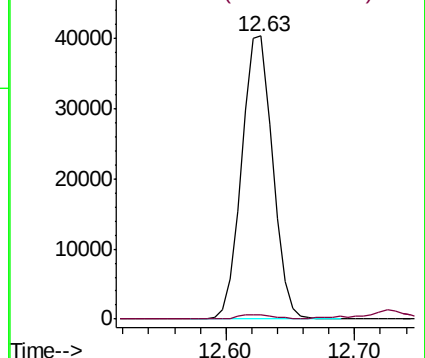
75 100

77 1.9 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: 168.448 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005315.D

Acq: 12 Sep 2018 10:12

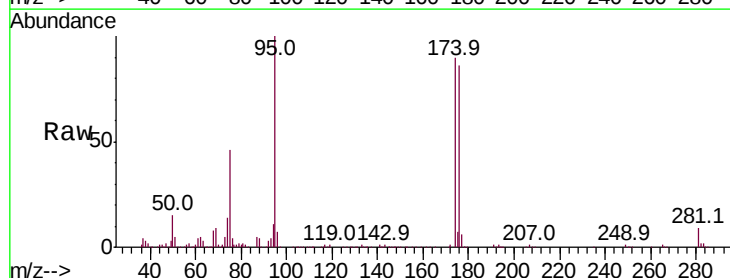
Tgt Ion: 75 Resp: 66922

Ion Ratio Lower Upper

75 100

53 0.2 67.0 100.6#

89 0.3 37.0 55.4#



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

