

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091218\
 Data File : VW005327.D
 Acq On : 12 Sep 2018 15:58
 Operator : SY/AP
 Sample : J4780-01
 Misc : 6.40G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 12 16:25:04 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	421878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	628497	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	528617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	185981	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	160647	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
35) Dibromofluoromethane	7.89	113	153216	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	
50) Toluene-d8	10.33	98	622167	37.40	ug/l	0.00
Spiked Amount			Recovery	=	74.80%	
62) 4-Bromofluorobenzene	12.62	95	168594	27.71	ug/l	0.00
Spiked Amount			Recovery	=	55.42%	

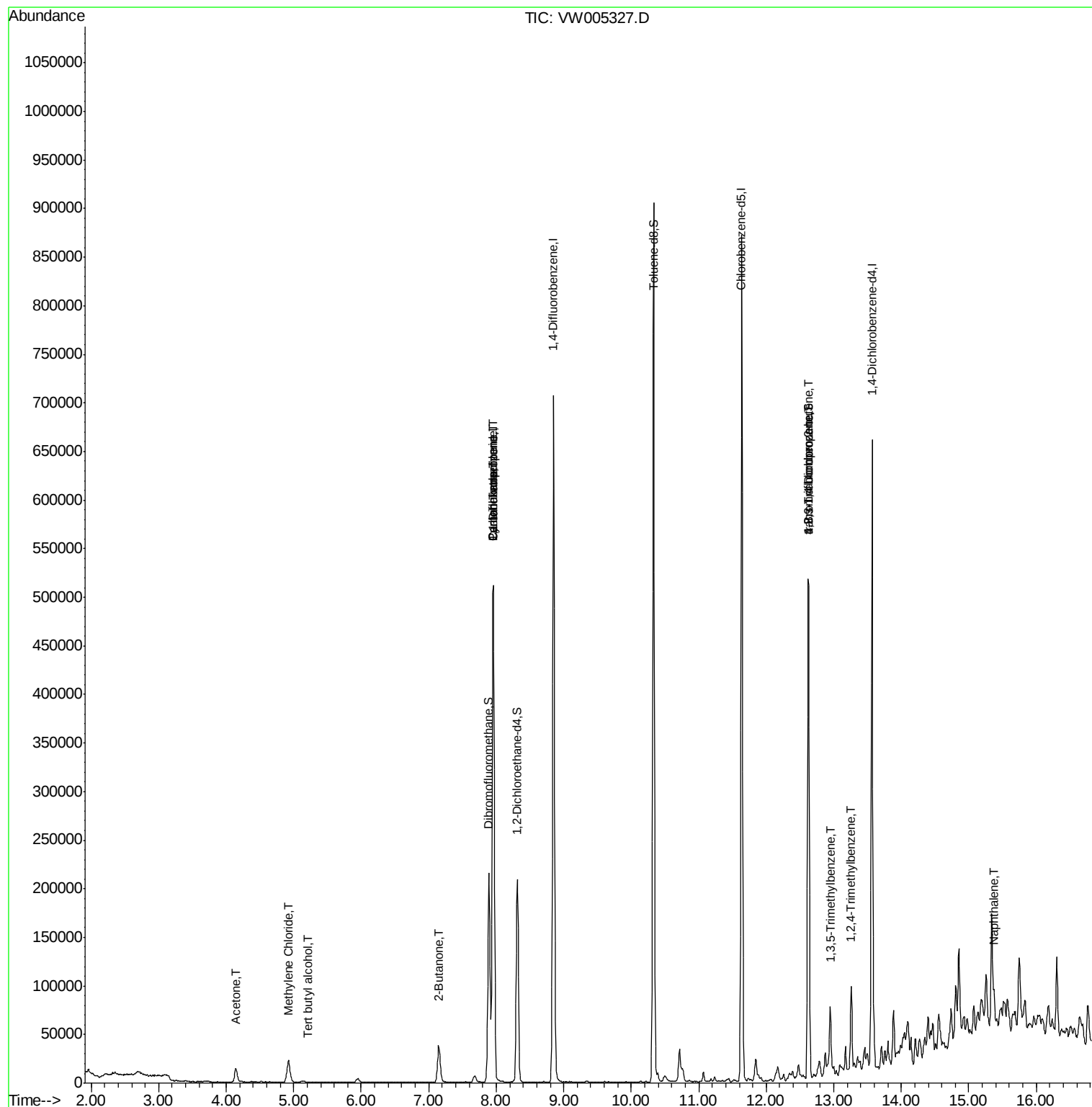
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	526	Below Cal	#	56
11) Tert butyl alcohol	5.20	59	293	1.135	ug/l #	73
16) Acetone	4.14	43	25475	43.617	ug/l	97
20) Methylene Chloride	4.92	84	18759	1.101	ug/l	96
25) 2-Butanone	7.15	43	1739	1.888	ug/l #	71
31) Cyclohexane	7.95	56	7046	1.046	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	27988	4.861	ug/l #	48
38) Carbon Tetrachloride	7.96	117	37260	6.908	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	77690	54.311	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	23968	2.142	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.62	75	77690	127.371	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.26	105	50844	4.522	ug/l	99
95) Naphthalene	15.38	128	30562	4.664	ug/l #	90

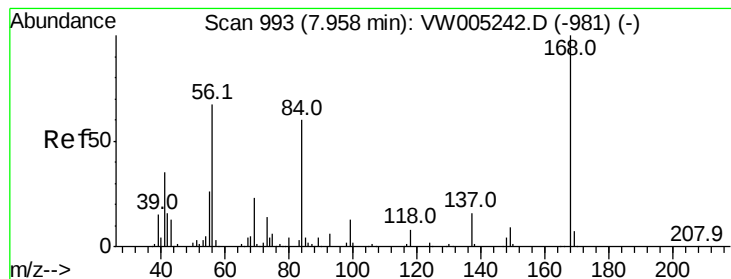
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005327.D

Acq: 12 Sep 2018 15:58

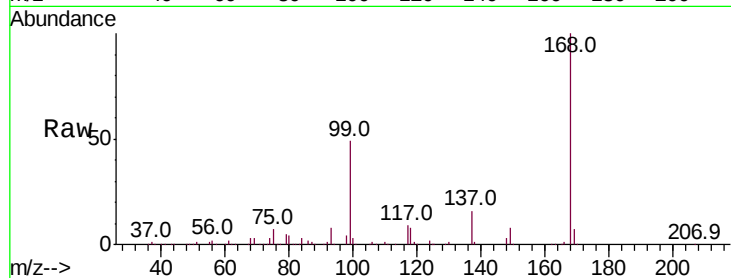
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 421878

Ion Ratio Lower Upper

168 100

99 48.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

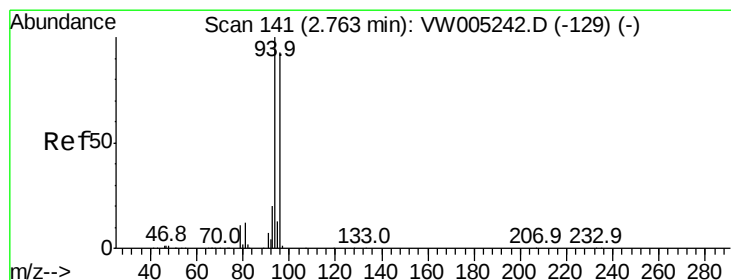
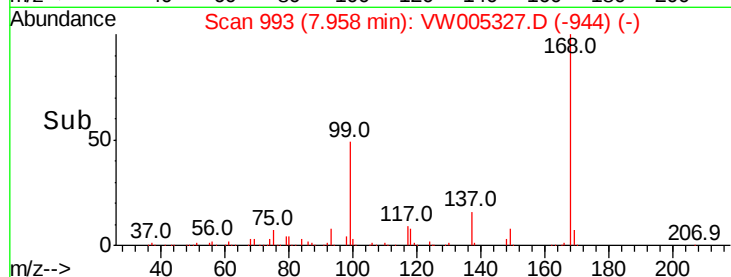
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW005327.D

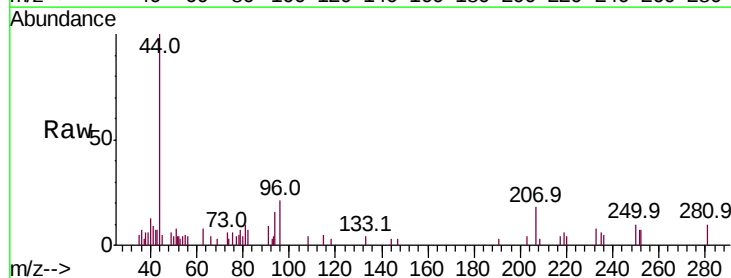
Acq: 12 Sep 2018 15:58

Tgt Ion: 94 Resp: 526

Ion Ratio Lower Upper

94 100

96 134.4 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

500

400

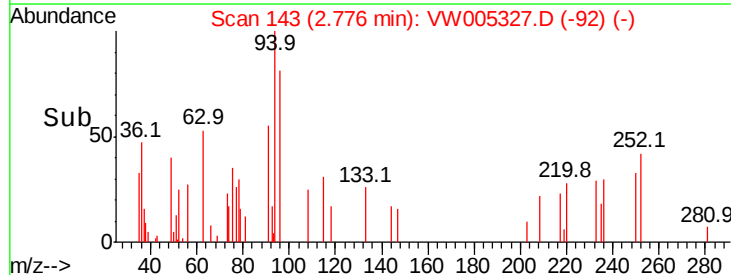
300

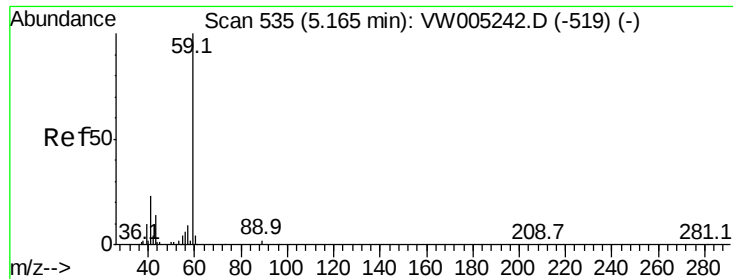
200

100

0

Time-->



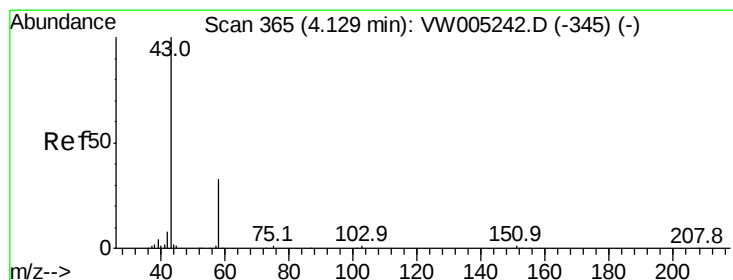
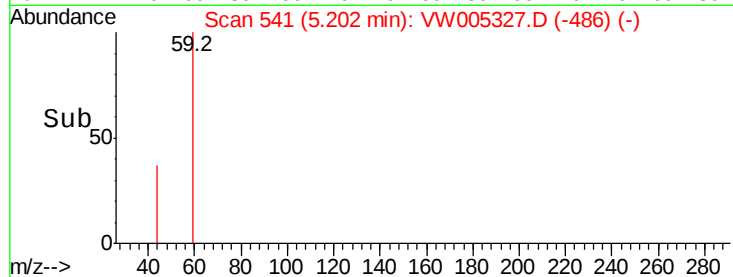
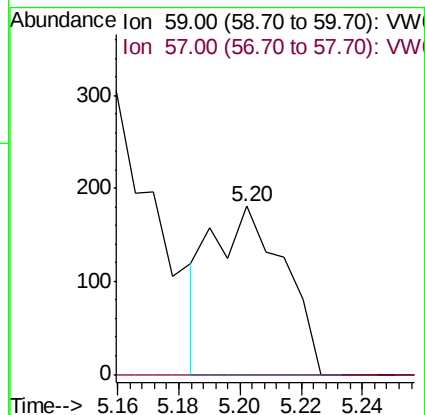
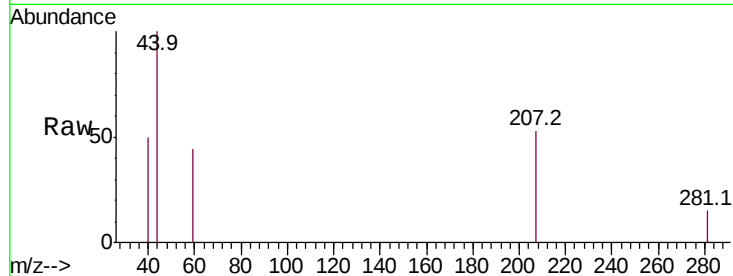


#11

Tert butyl alcohol
 Concen: 1.135 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. 0.04 min
 Lab File: VW005327.D
 Acq: 12 Sep 2018 15:58

Instrument :
 MSVOA_W
 ClientSampleId :

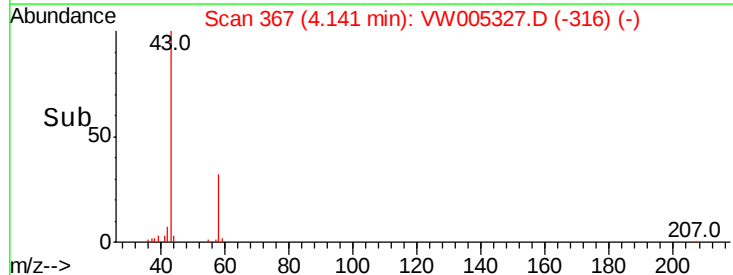
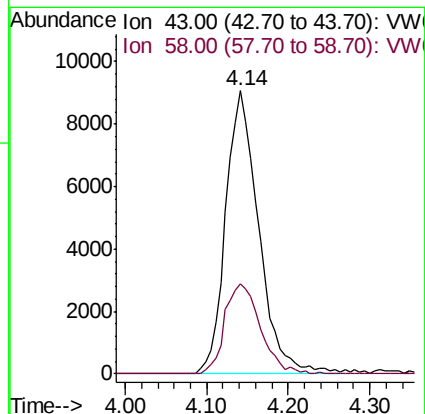
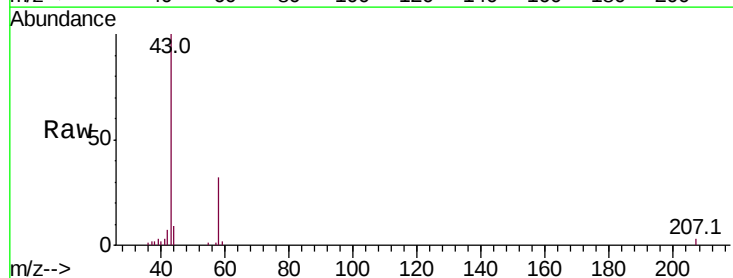
Tot Ion: 59 Resp: 293
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

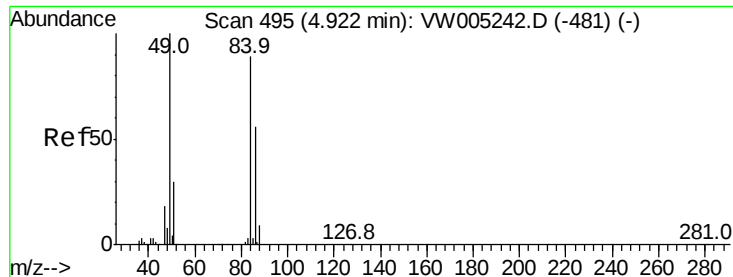


#16

Acetone
 Concen: 43.617 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VW005327.D
 Acq: 12 Sep 2018 15:58

Tgt Ion: 43 Resp: 25475
 Ion Ratio Lower Upper
 43 100
 58 31.8 26.7 40.1

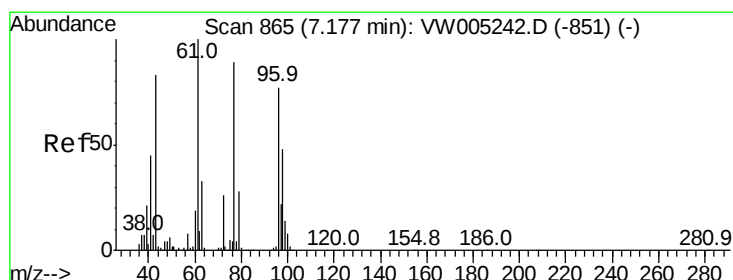
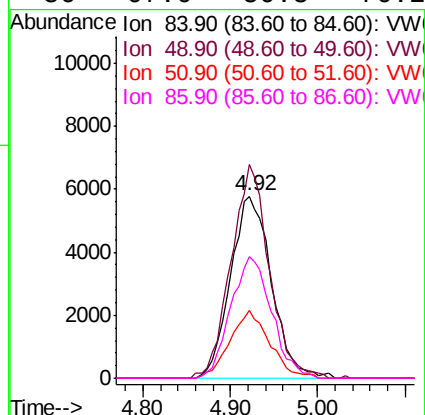
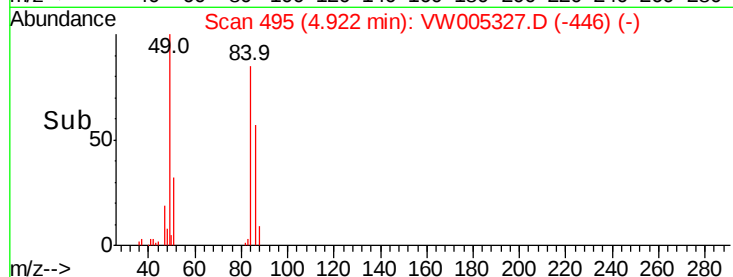
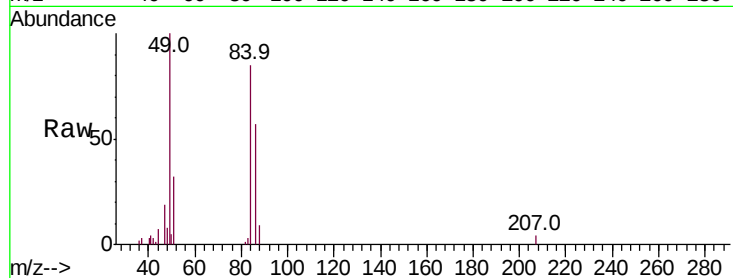




#20
Methvlene Chloride
Concen: 1.101 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW005327.D
Acq: 12 Sep 2018 15:58

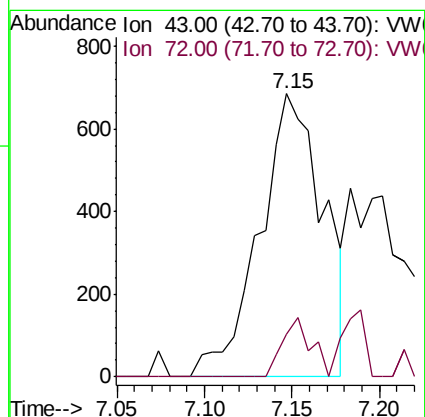
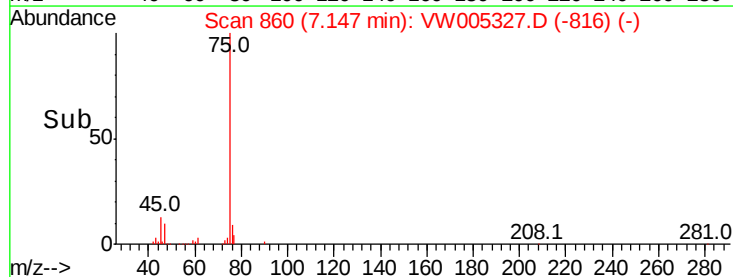
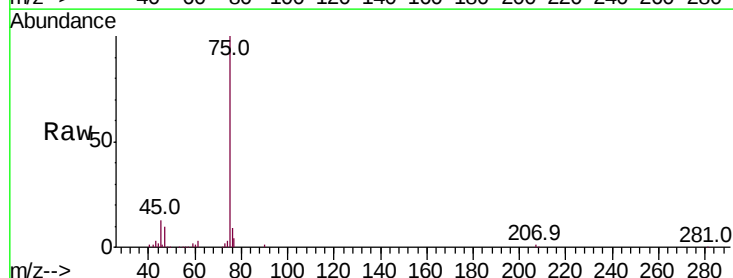
Instrument :
MSVOA_W
ClientSampled :

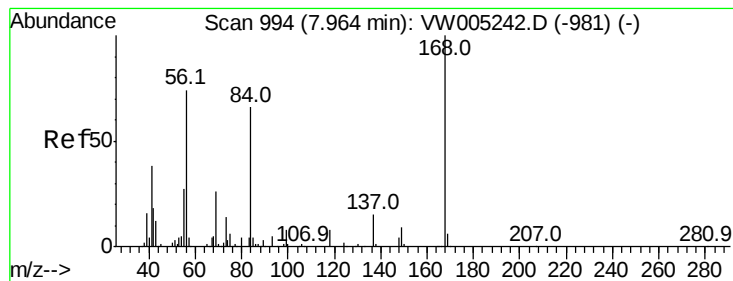
Tot Ion:	84	Resp:	18759
Ion	Ratio	Lower	Upper
84	100		
49	117.2	90.3	135.5
51	37.0	26.9	40.3
86	67.0	50.8	76.2



#25
2-Butanone
Concen: 1.888 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.03 min
Lab File: VW005327.D
Acq: 12 Sep 2018 15:58

Tgt Ion:	43	Resp:	1739
Ion	Ratio	Lower	Upper
43	100		
72	15.0	25.0	37.6#





#31

Cyclohexane

Concen: 1.046 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005327.D

Acq: 12 Sep 2018 15:58

Instrument :

MSVOA_W

ClientSampled :

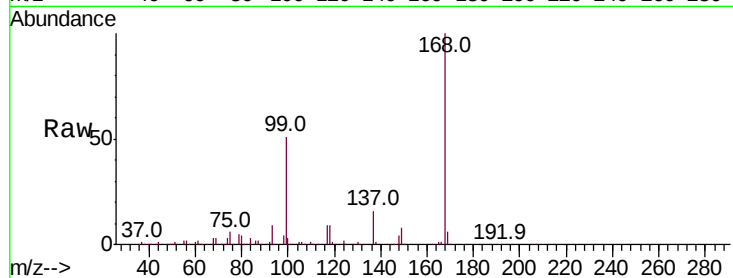
Tot Ion: 56 Resp: 7046

Ion Ratio Lower Upper

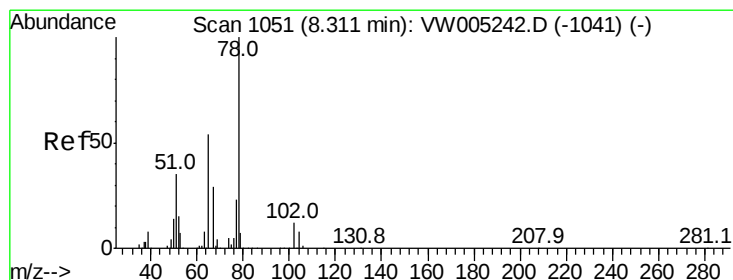
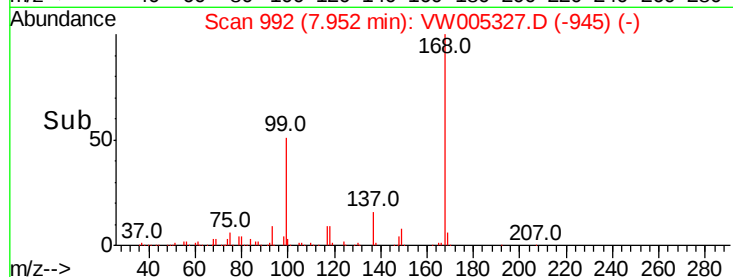
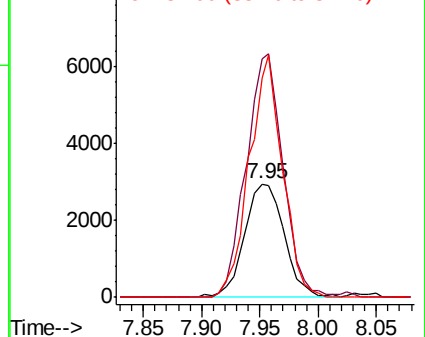
56 100

69 210.0 27.8 41.8#

84 192.8 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: 51.054 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005327.D

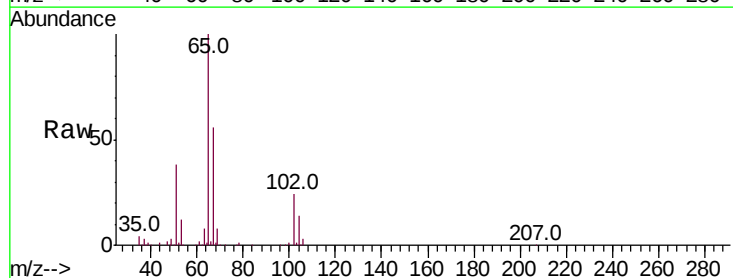
Acq: 12 Sep 2018 15:58

Tgt Ion: 65 Resp: 160647

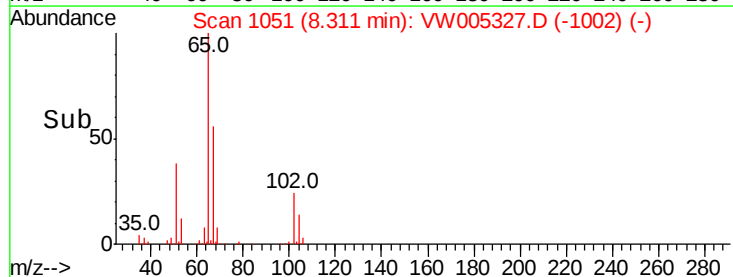
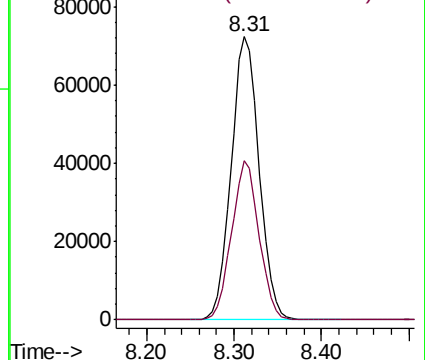
Ion Ratio Lower Upper

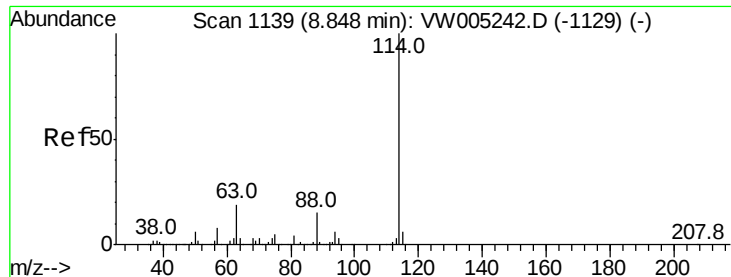
65 100

67 54.9 0.0 112.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

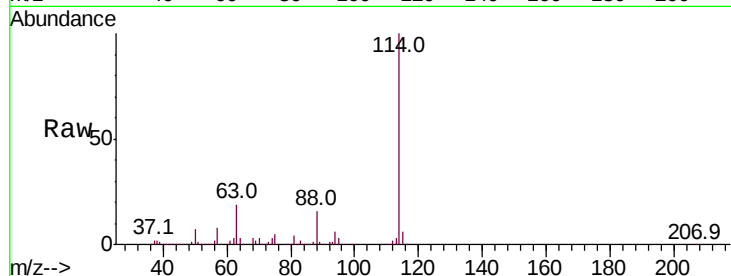




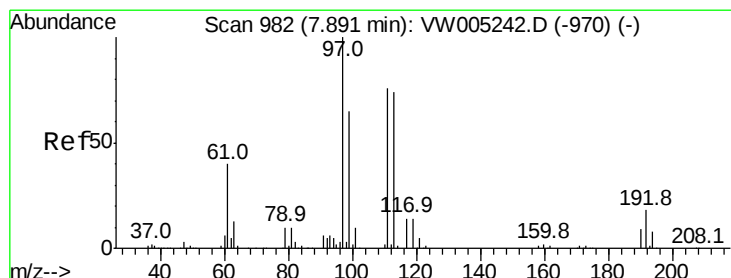
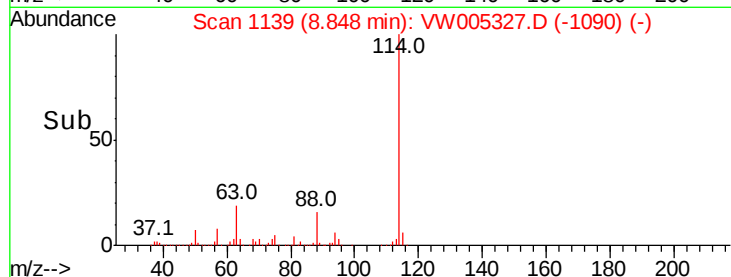
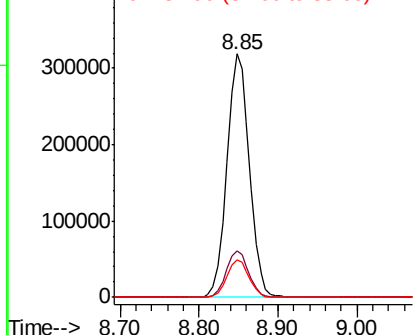
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005327.D
 Acq: 12 Sep 2018 15:58

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	37.0
88	15.5	0.0	30.4

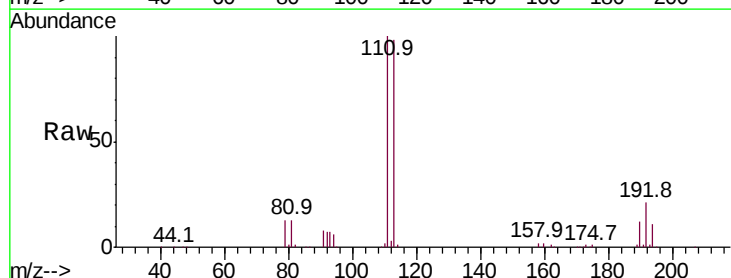


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

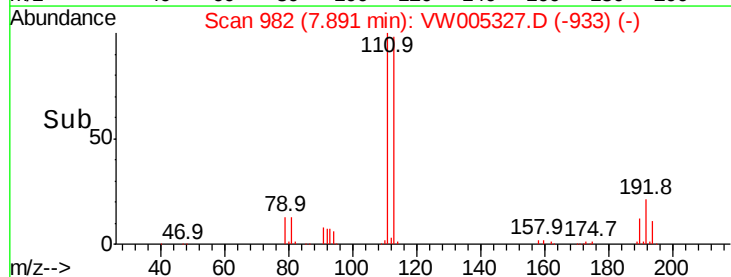
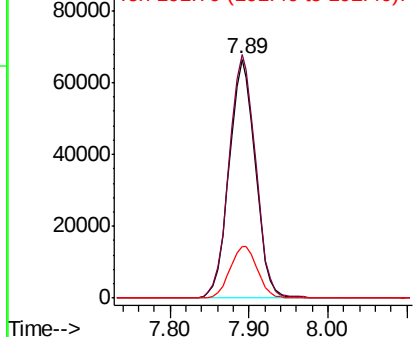


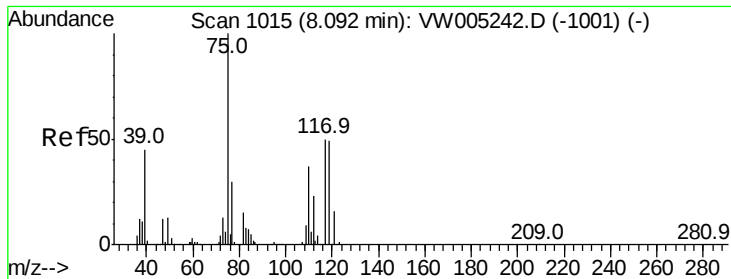
#35
 Dibromofluoromethane
 Concen: 46.538 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005327.D
 Acq: 12 Sep 2018 15:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	80.6	121.0
192	22.5	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: 4.861 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW005327.D

Acq: 12 Sep 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

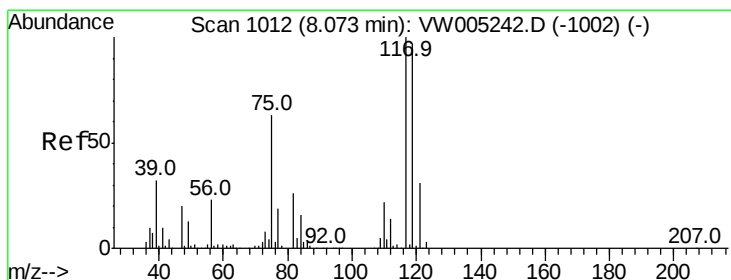
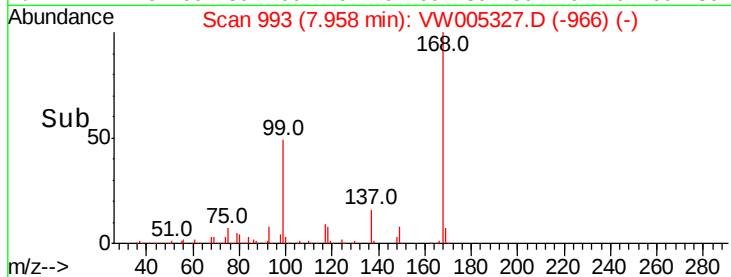
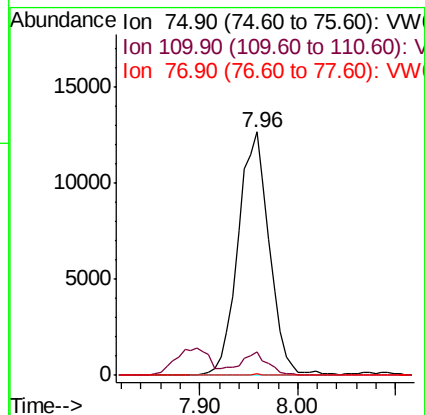
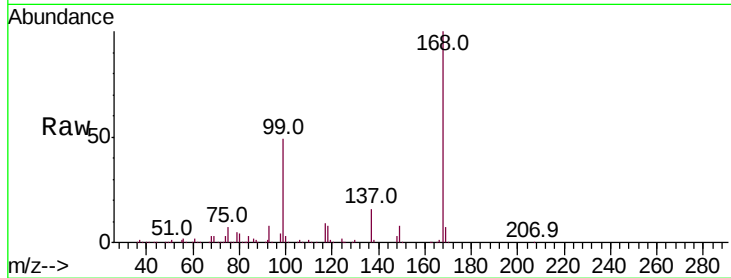
Tot Ion: 75 Resp: 27988

Ion Ratio Lower Upper

75 100

110 8.6 18.8 56.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.908 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005327.D

Acq: 12 Sep 2018 15:58

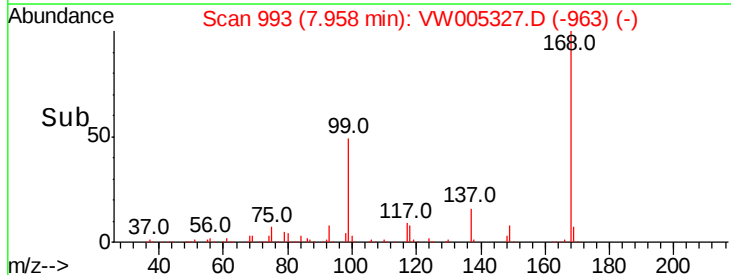
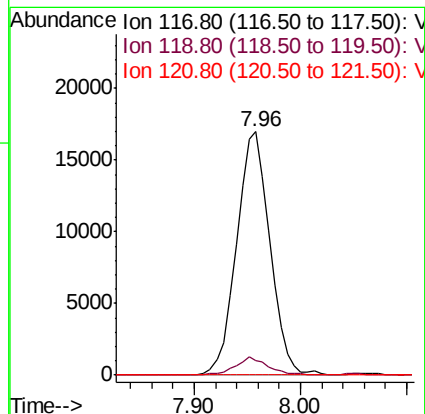
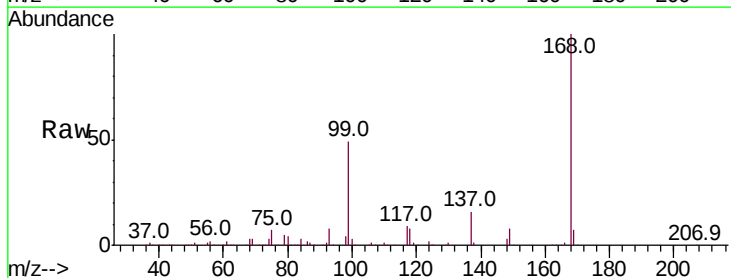
Tgt Ion: 117 Resp: 37260

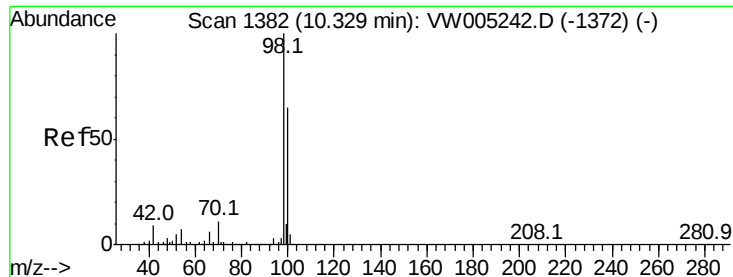
Ion Ratio Lower Upper

117 100

119 6.1 77.5 116.3#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 37.398 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005327.D

Acq: 12 Sep 2018 15:58

Instrument :

MSVOA_W

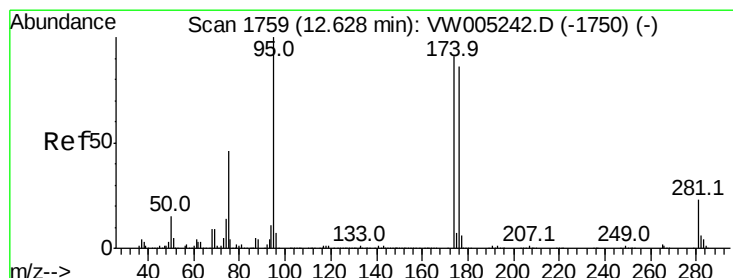
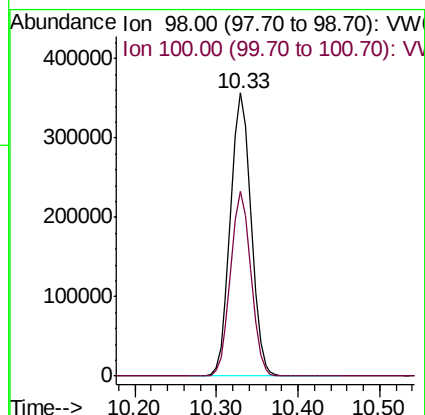
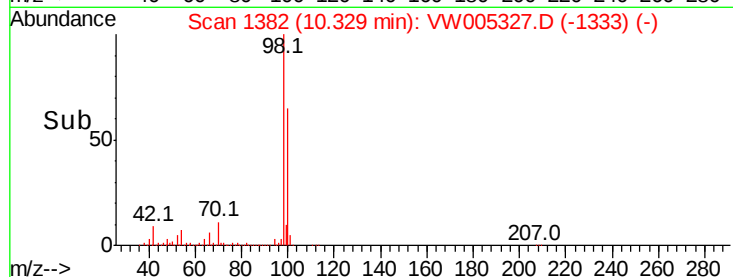
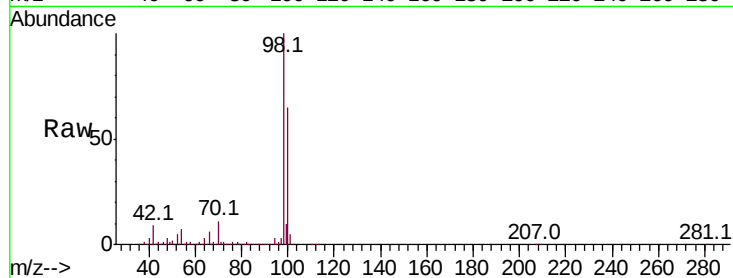
ClientSampleId :

Tot Ion: 98 Resp: 622167

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 27.706 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.01 min

Lab File: VW005327.D

Acq: 12 Sep 2018 15:58

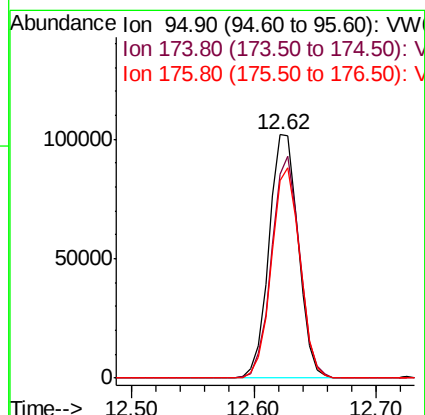
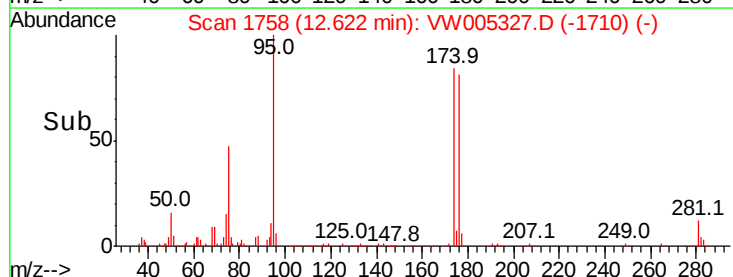
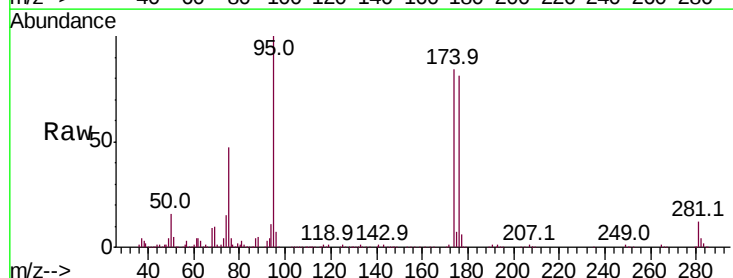
Tgt Ion: 95 Resp: 168594

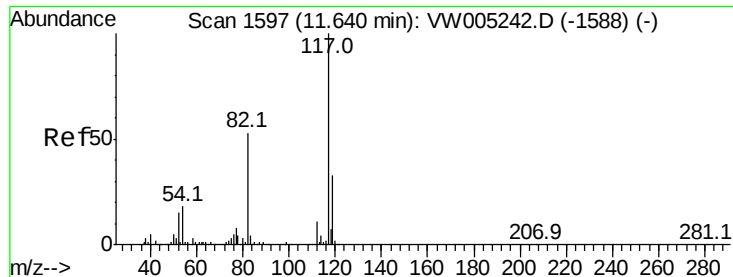
Ion Ratio Lower Upper

95 100

174 87.8 0.0 174.6

176 84.4 0.0 167.6

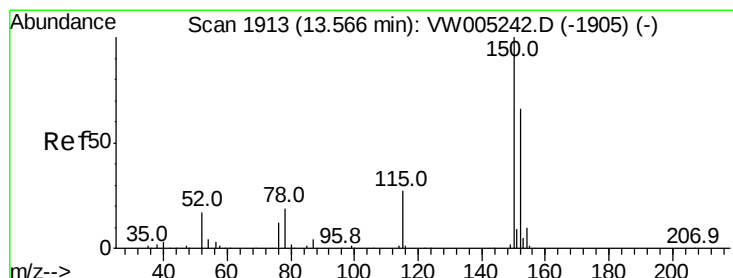
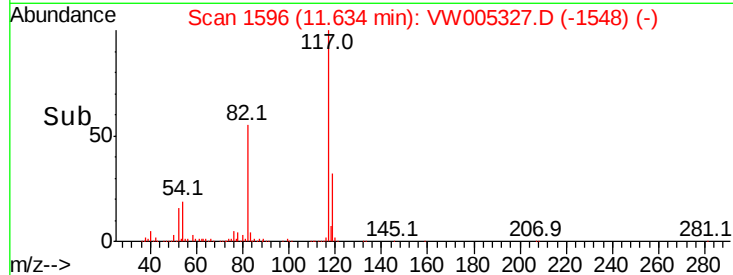
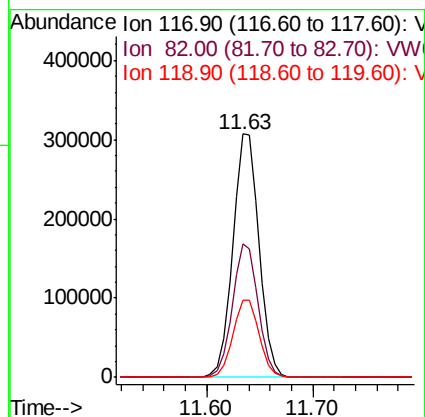
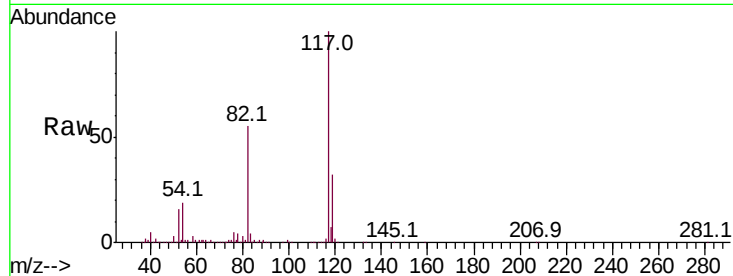




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VW005327.D
Acq: 12 Sep 2018 15:58

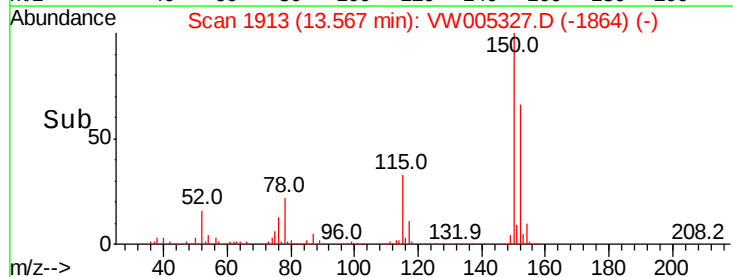
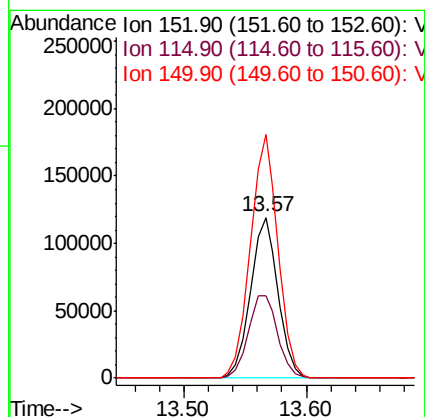
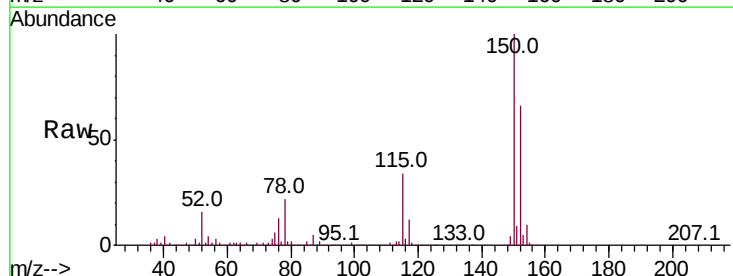
Instrument :
MSVOA_W
ClientSampled :

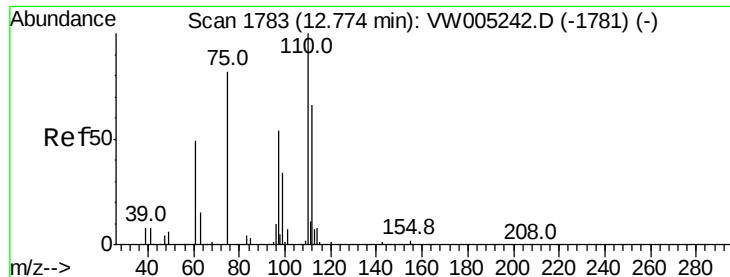
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	42.6	63.8
119	31.7	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005327.D
Acq: 12 Sep 2018 15:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.5	82.4
150	152.0	0.0	347.4





#76

1,2,3-Trichloropropane

Concen: 54.311 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005327.D

Acq: 12 Sep 2018 15:58

Instrument :

MSVOA_W

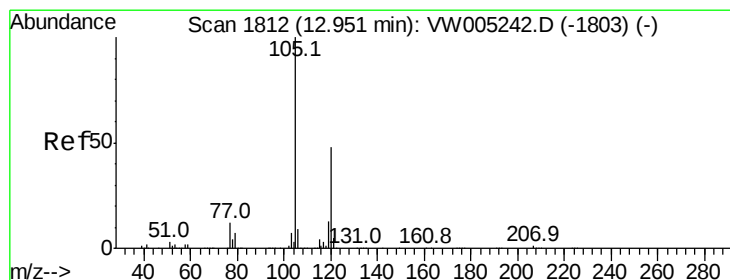
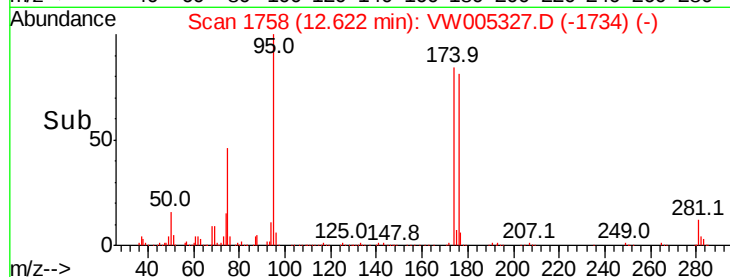
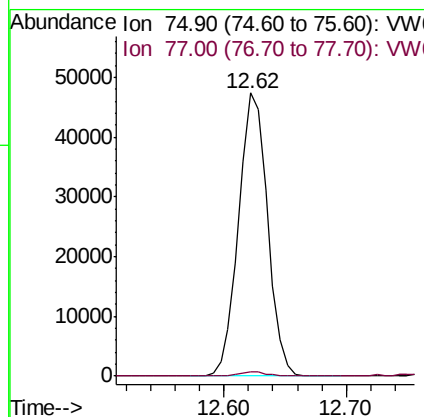
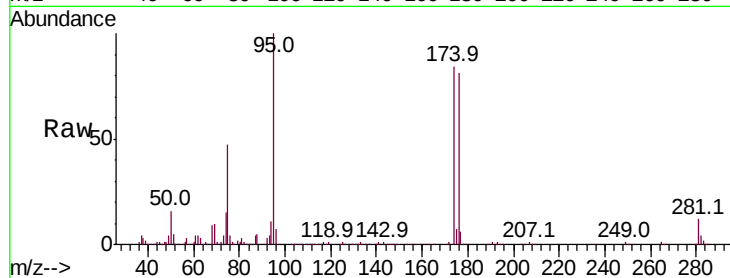
ClientSampleId :

Tot Ion: 75 Resp: 77690

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 2.142 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005327.D

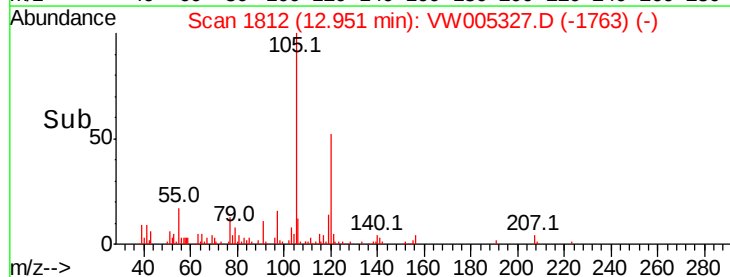
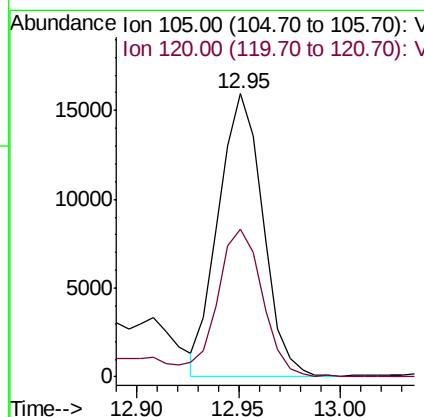
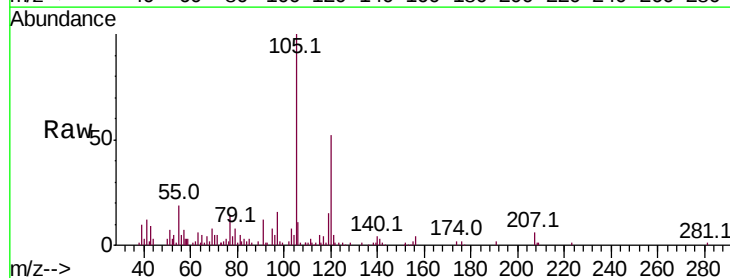
Acq: 12 Sep 2018 15:58

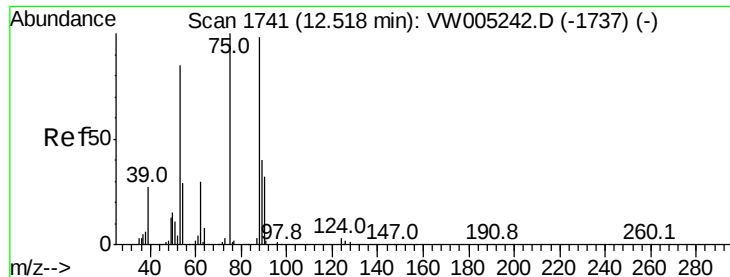
Tgt Ion: 105 Resp: 23968

Ion Ratio Lower Upper

105 100

120 53.5 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 127.371 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005327.D

Acq: 12 Sep 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

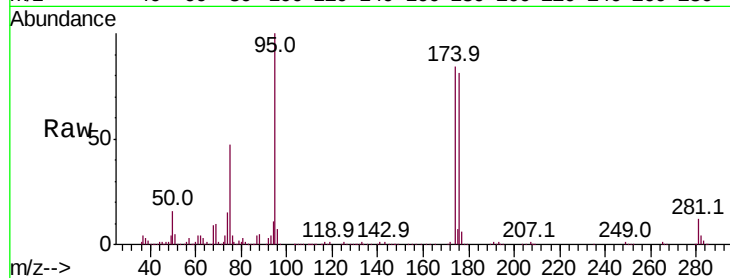
Tot Ion: 75 Resp: 77690

Ion Ratio Lower Upper

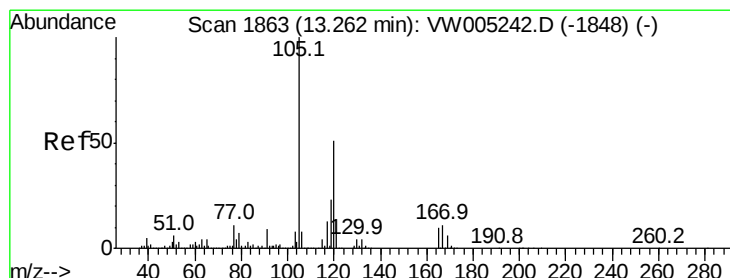
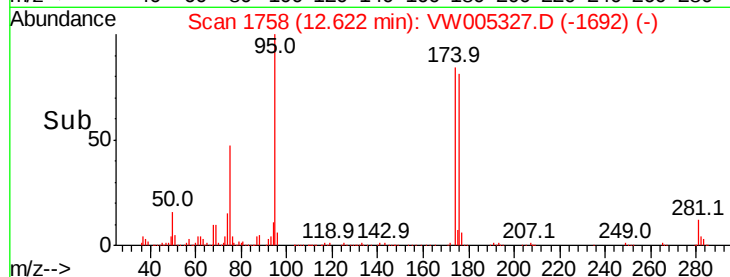
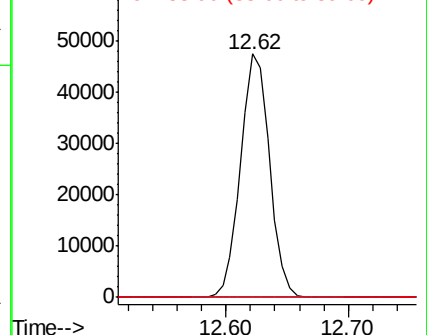
75 100

53 0.3 67.0 100.6#

89 0.0 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



#84

1,2,4-Trimethylbenzene

Concen: 4.522 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.01 min

Lab File: VW005327.D

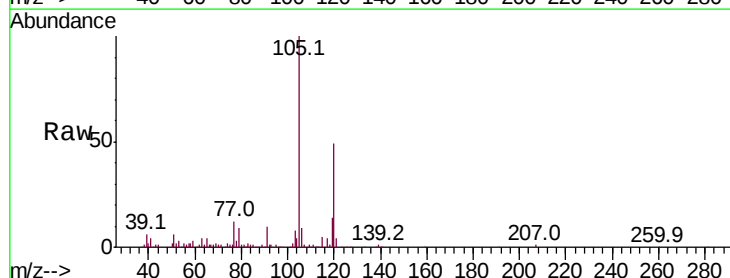
Acq: 12 Sep 2018 15:58

Tgt Ion: 105 Resp: 50844

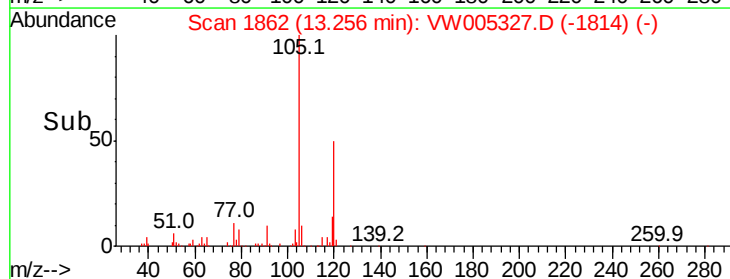
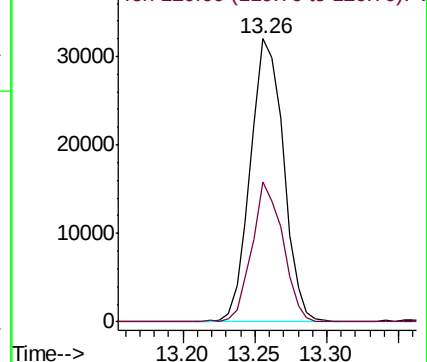
Ion Ratio Lower Upper

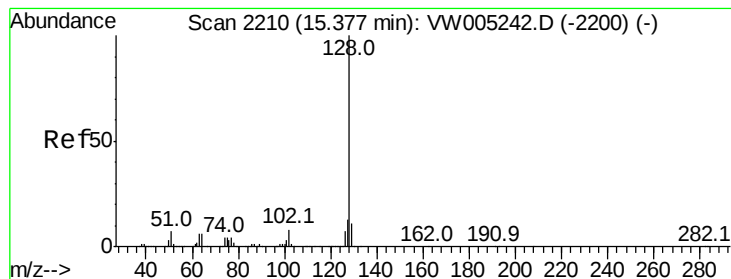
105 100

120 46.0 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 4.664 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005327.D

Acq: 12 Sep 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

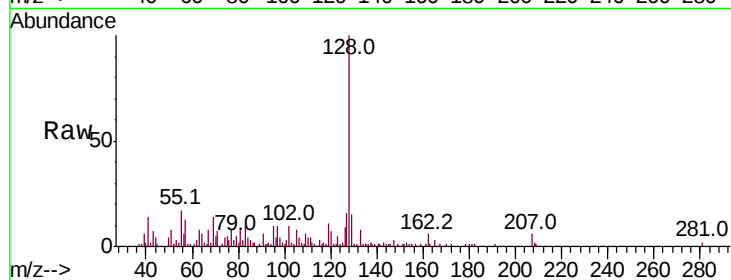
Tot Ion:128 Resp: 30562

Ion Ratio Lower Upper

128 100

127 18.8 10.3 15.5#

129 12.4 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

