

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091218\
 Data File : VW005329.D
 Acq On : 12 Sep 2018 16:49
 Operator : SY/AP
 Sample : J4856-01
 Misc : 6.12G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 12 18:08:02 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	448679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	711465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	701434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	351623	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	168804	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
35) Dibromofluoromethane	7.89	113	160514	43.07	ug/l	0.00
Spiked Amount			Recovery	=	86.14%	
50) Toluene-d8	10.33	98	722161	38.35	ug/l	0.00
Spiked Amount			Recovery	=	76.70%	
62) 4-Bromofluorobenzene	12.62	95	256441	37.23	ug/l	0.00
Spiked Amount			Recovery	=	74.46%	

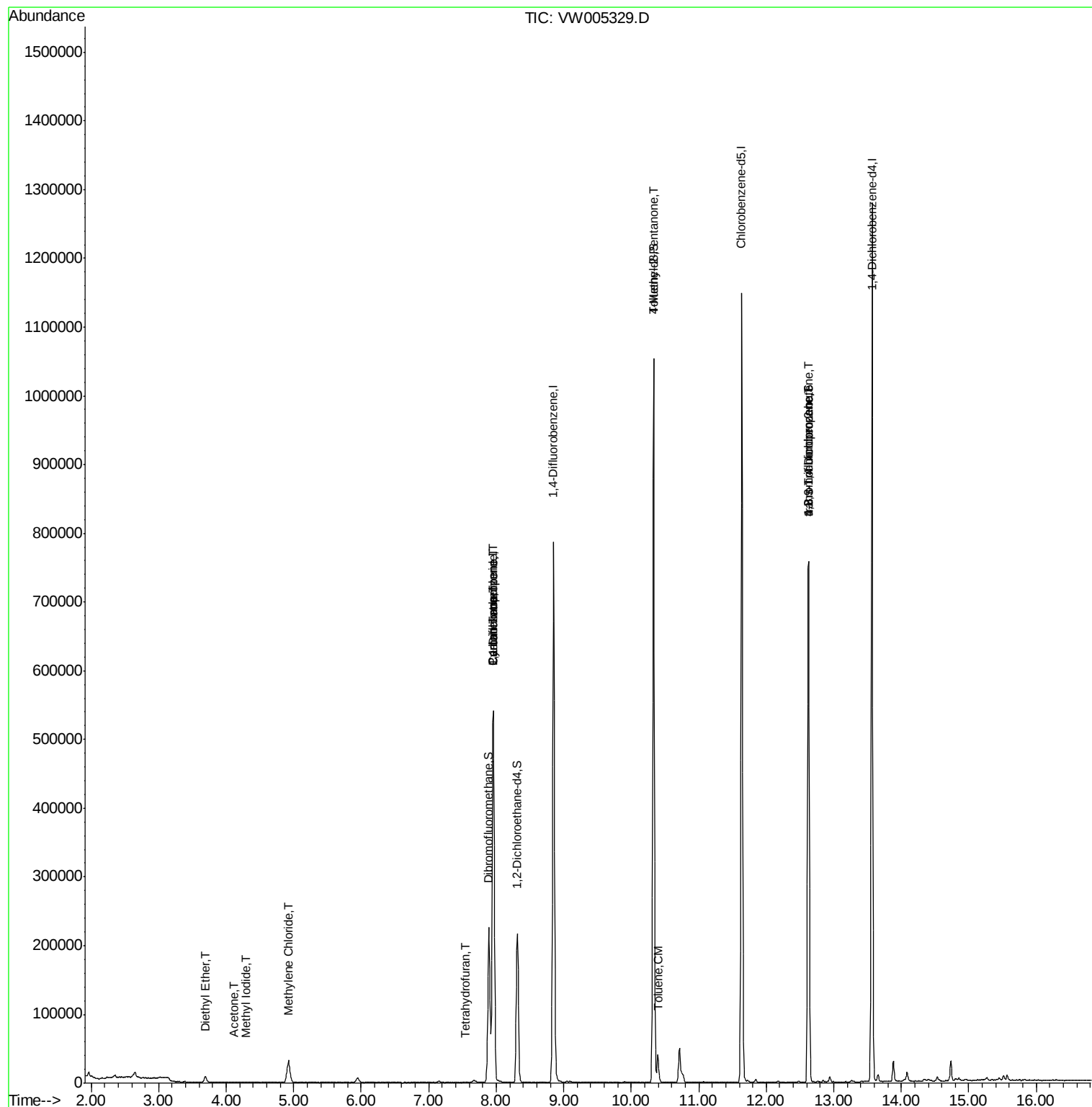
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.76	94	536	Below Cal	#	20
8) Diethyl Ether	3.69	74	4771	2.491	ug/l	91
10) Methyl Iodide	4.29	142	94	3.345	ug/l #	88
16) Acetone	4.12	43	1520	2.447	ug/l	89
20) Methylene Chloride	4.92	84	26735	2.674	ug/l	96
29) Tetrahydrofuran	7.55	42	677	1.025	ug/l #	58
31) Cyclohexane	7.96	56	7346	1.026	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	29058	4.458	ug/l #	49
38) Carbon Tetrachloride	7.96	117	39333	6.442	ug/l #	17
51) 4-Methyl-2-Pentanone	10.33	43	2619	1.011	ug/l #	1
52) Toluene	10.40	92	16653	1.193	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	118127	43.678	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	118127	102.434	ug/l #	16

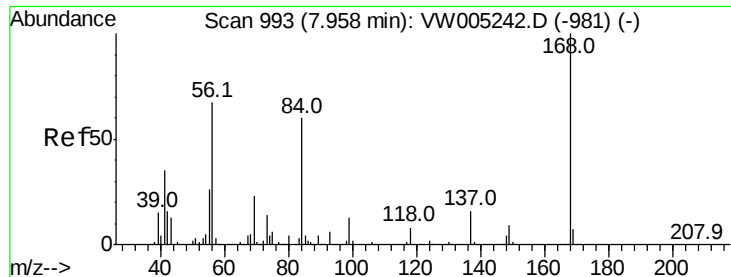
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091218\
Data File : VW005329.D
Acq On : 12 Sep 2018 16:49
Operator : SY/AP
Sample : J4856-01
Misc : 6.12G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 12 18:08:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 03:48:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005329.D

Acq: 12 Sep 2018 16:49

Instrument :

MSVOA_W

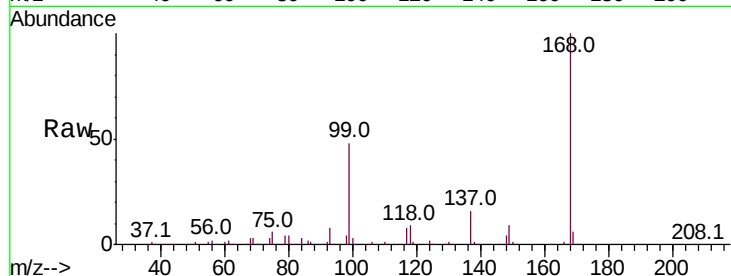
ClientSampled :

Tot Ion:168 Resp: 448679

Ion Ratio Lower Upper

168 100

99 48.4 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

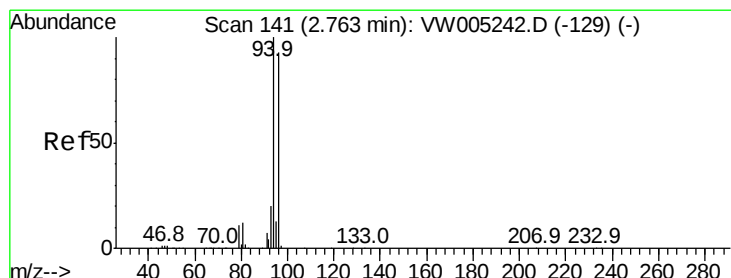
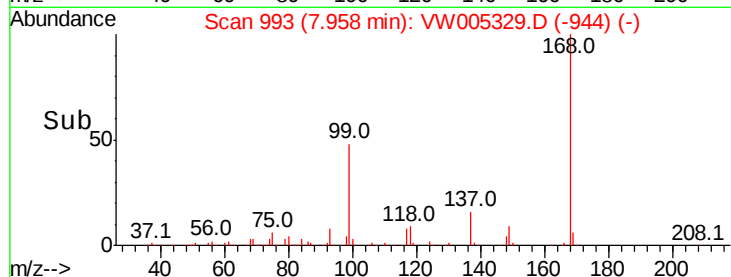
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW005329.D

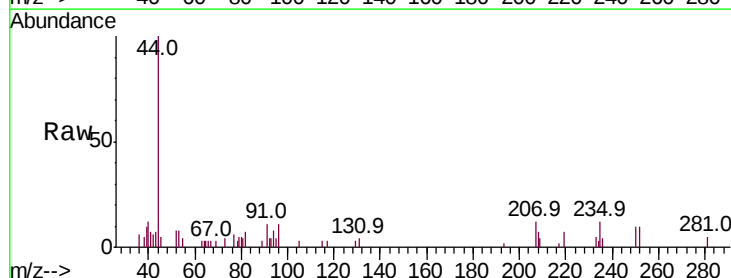
Acq: 12 Sep 2018 16:49

Tgt Ion: 94 Resp: 536

Ion Ratio Lower Upper

94 100

96 15.9 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

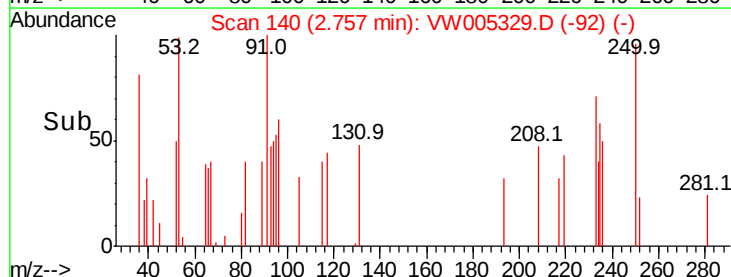
300

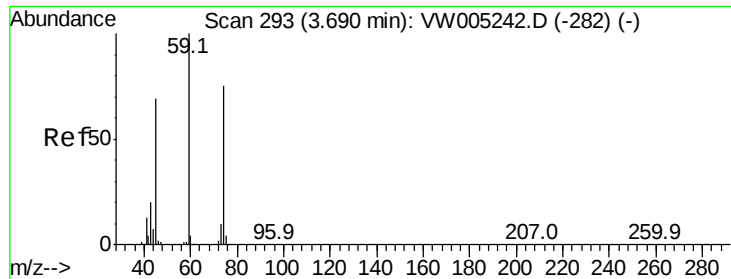
200

100

0

Time--> 2.70 2.75 2.80 2.85





#8

Diethyl Ether

Concen: 2.491 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.00 min

Lab File: VW005329.D

Acq: 12 Sep 2018 16:49

Instrument :

MSVOA_W

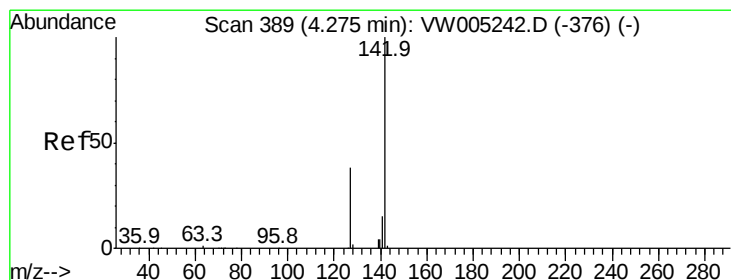
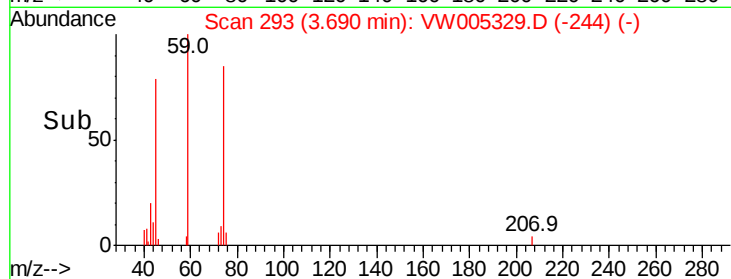
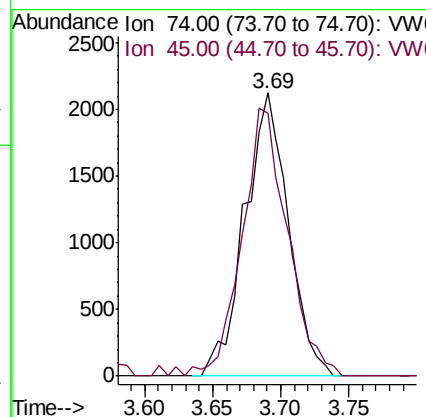
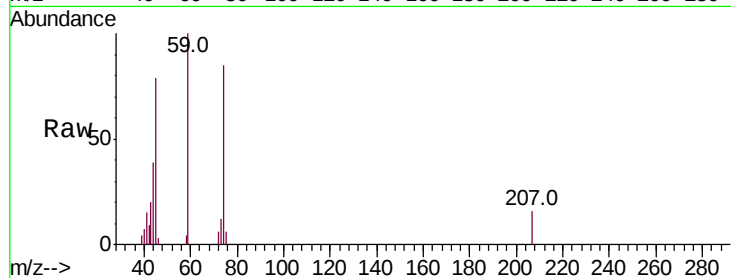
ClientSampleId :

Tot Ion: 74 Resp: 4771

Ion Ratio Lower Upper

74 100

45 98.4 45.1 135.3



#10

Methyl Iodide

Concen: 3.345 ug/l

RT: 4.29 min Scan# 392

Delta R.T. 0.02 min

Lab File: VW005329.D

Acq: 12 Sep 2018 16:49

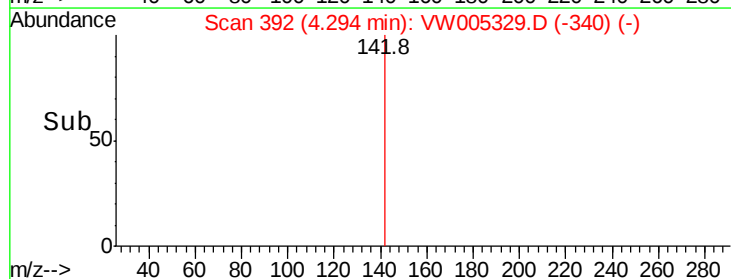
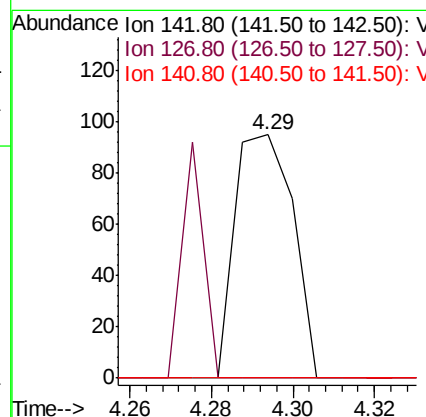
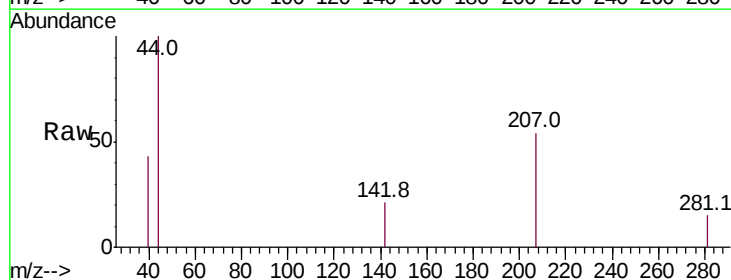
Tgt Ion: 142 Resp: 94

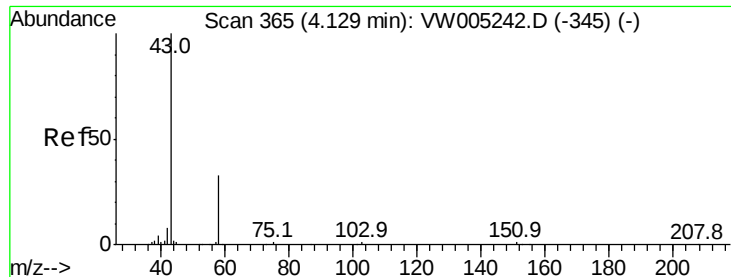
Ion Ratio Lower Upper

142 100

127 36.2 30.3 45.5

141 0.0 11.4 17.0#





#16

Acetone

Concen: 2.447 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005329.D

Acq: 12 Sep 2018 16:49

Instrument :

MSVOA_W

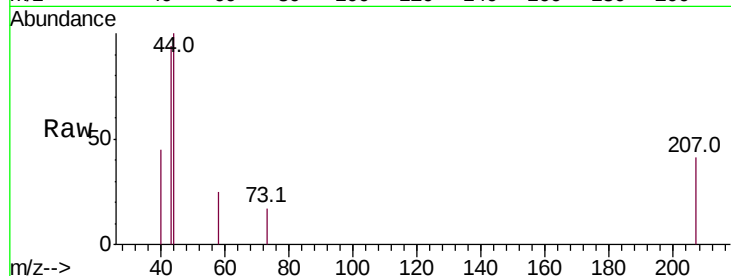
ClientSampled :

Tot Ion: 43 Resp: 1520

Ion Ratio Lower Upper

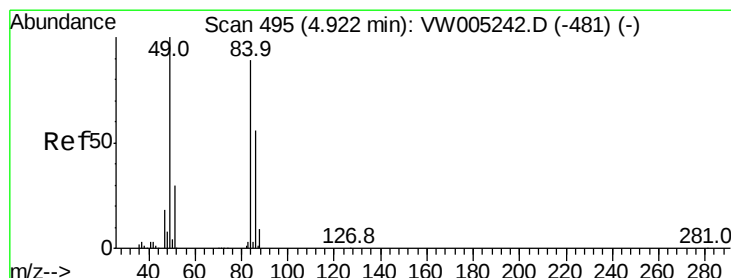
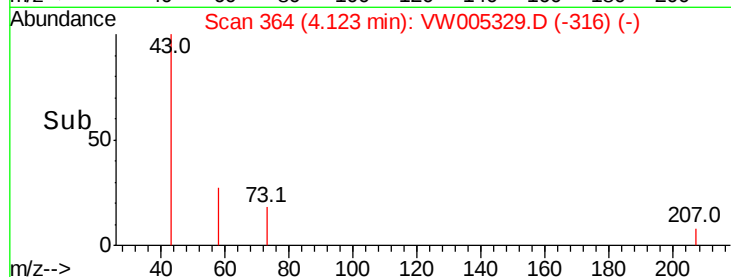
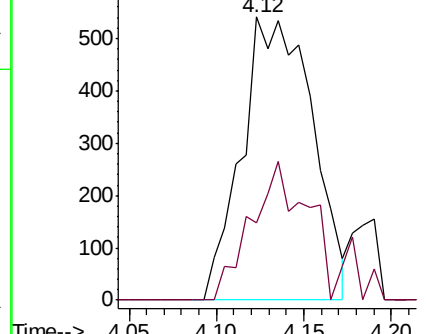
43 100

58 27.2 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 2.674 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW005329.D

Acq: 12 Sep 2018 16:49

Tgt Ion: 84 Resp: 26735

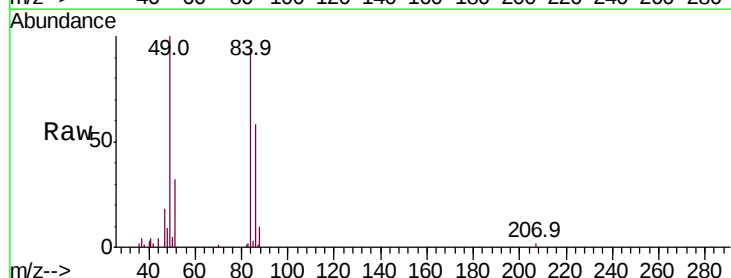
Ion Ratio Lower Upper

84 100

49 106.8 90.3 135.5

51 34.1 26.9 40.3

86 62.3 50.8 76.2

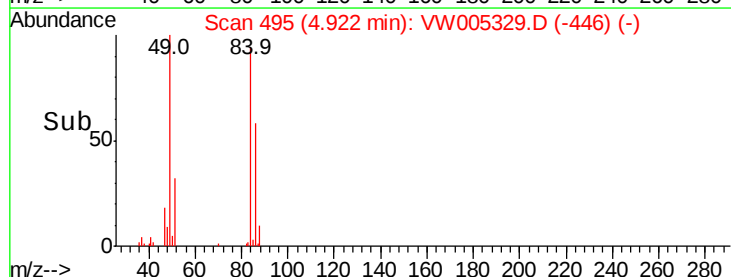
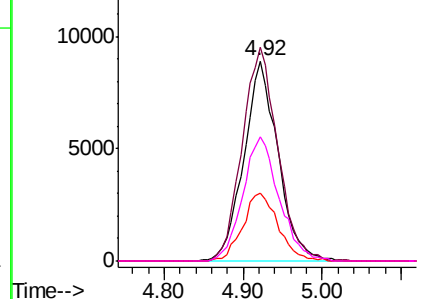


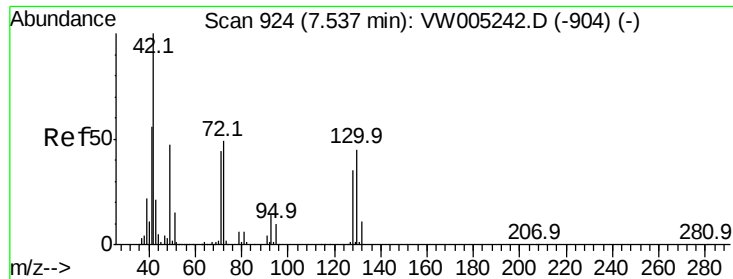
Abundance Ion 83.90 (83.60 to 84.60): VW

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

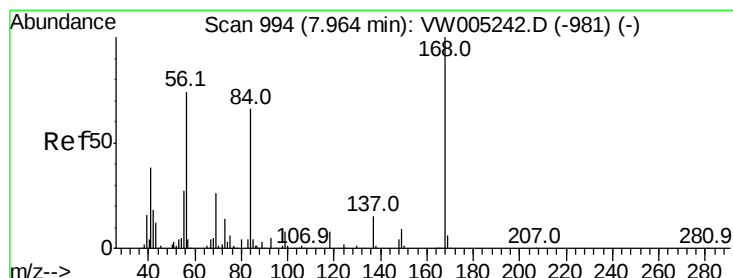
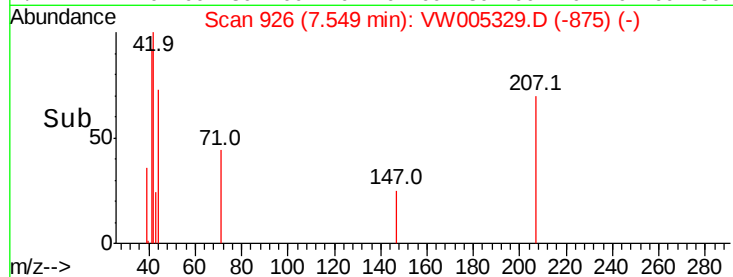
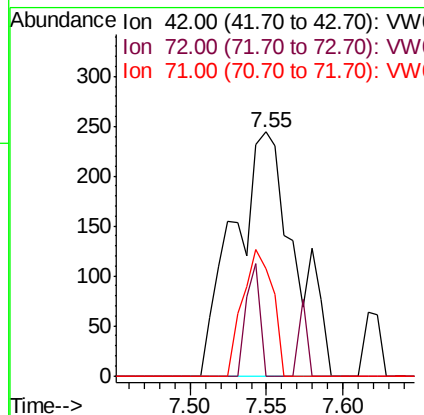
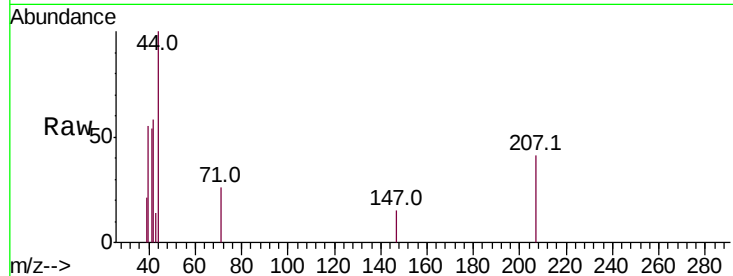




#29
Tetrahydrofuran
Concen: 1.025 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.01 min
Lab File: VW005329.D
Acq: 12 Sep 2018 16:49

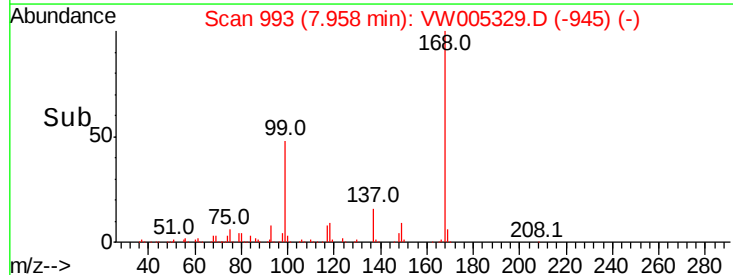
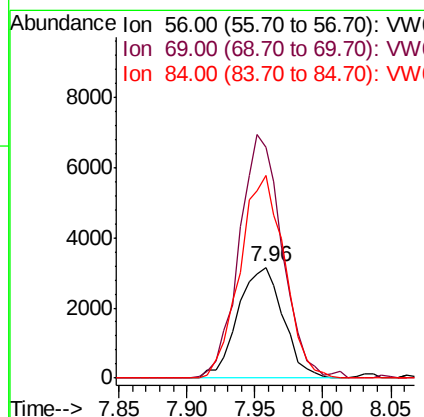
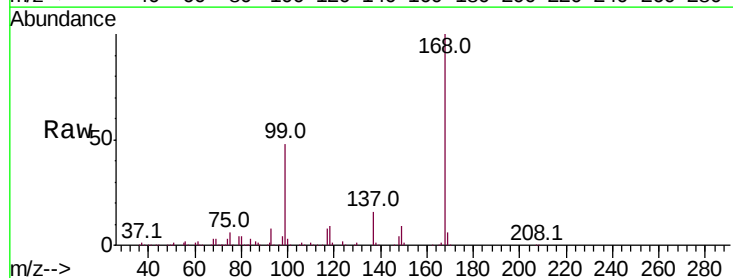
Instrument :
MSVOA_W
ClientSampled :

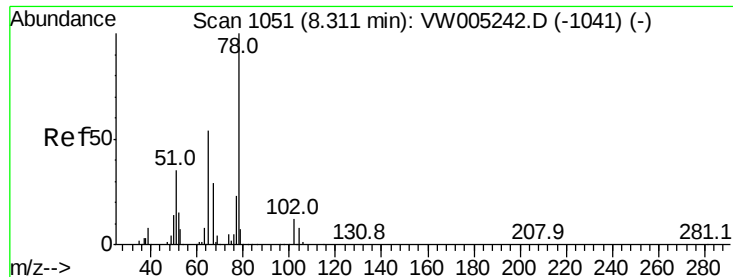
Tot Ion: 42 Resp: 677
Ion Ratio Lower Upper
42 100
72 10.3 37.5 56.3#
71 25.3 34.8 52.2#



#31
Cyclohexane
Concen: 1.026 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005329.D
Acq: 12 Sep 2018 16:49

Tgt Ion: 56 Resp: 7346
Ion Ratio Lower Upper
56 100
69 209.4 27.8 41.8#
84 183.2 72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 50.442 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005329.D

Acq: 12 Sep 2018 16:49

Instrument :

MSVOA_W

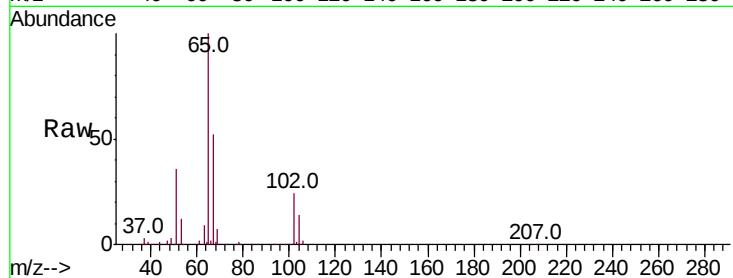
ClientSampleId :

Tot Ion: 65 Resp: 168804

Ion Ratio Lower Upper

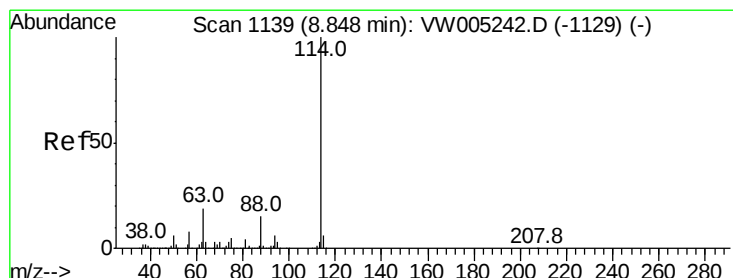
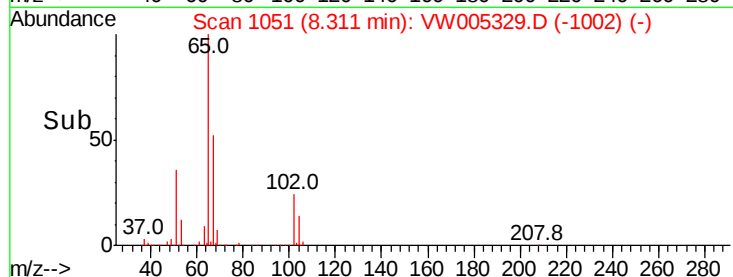
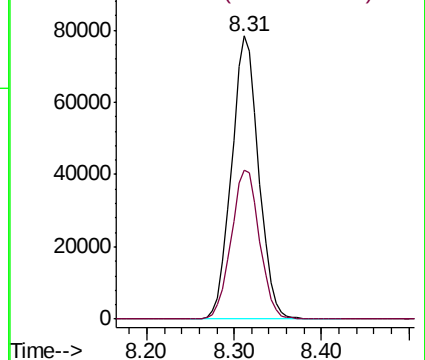
65 100

67 54.8 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: VW005329.D

Acq: 12 Sep 2018 16:49

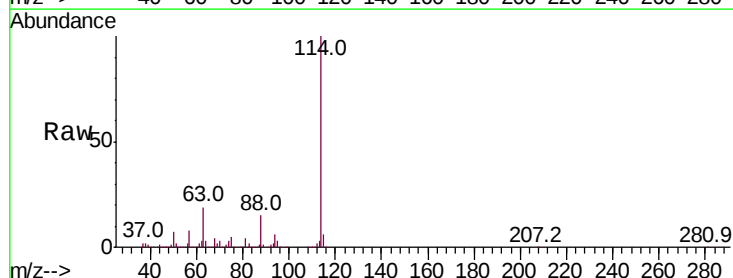
Tgt Ion: 114 Resp: 711465

Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.0

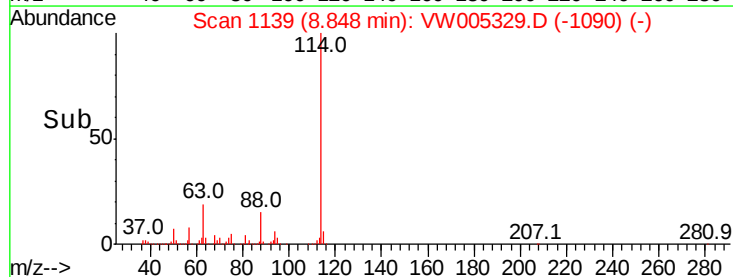
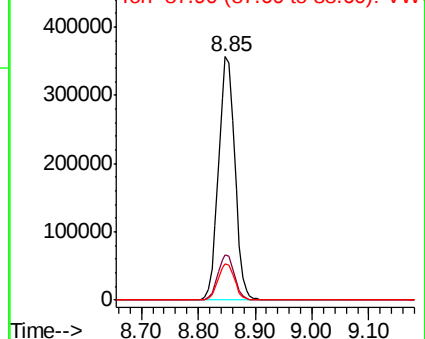
88 15.1 0.0 30.4

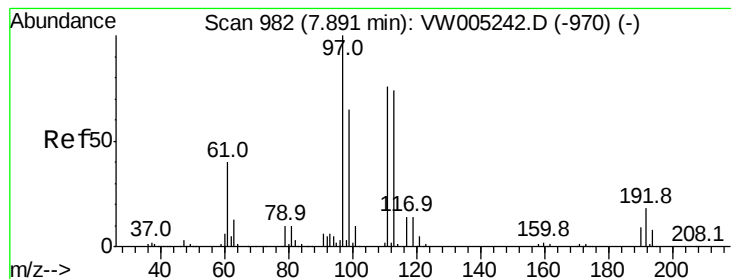


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 43.069 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW005329.D

Acq: 12 Sep 2018 16:49

Instrument :
MSVOA_W
ClientSampled :

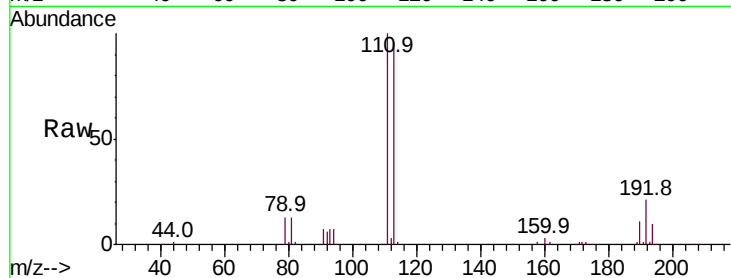
Tot Ion:113 Resp: 160514

Ion Ratio Lower Upper

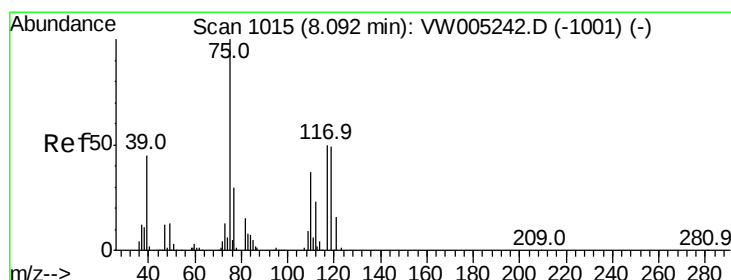
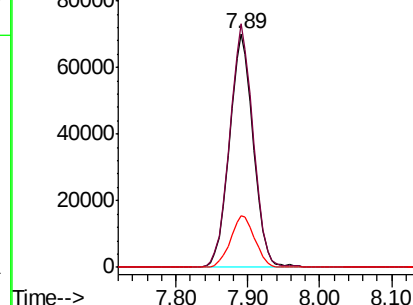
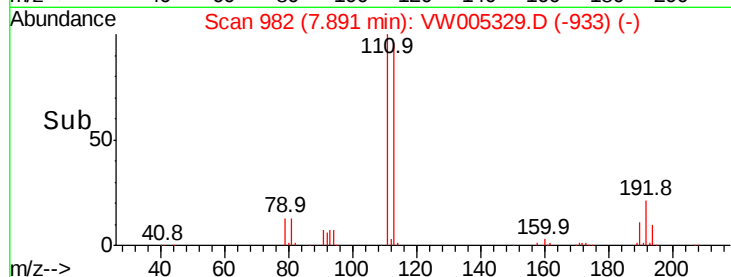
113 100

111 102.8 80.6 121.0

192 22.7 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: 4.458 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.14 min

Lab File: VW005329.D

Acq: 12 Sep 2018 16:49

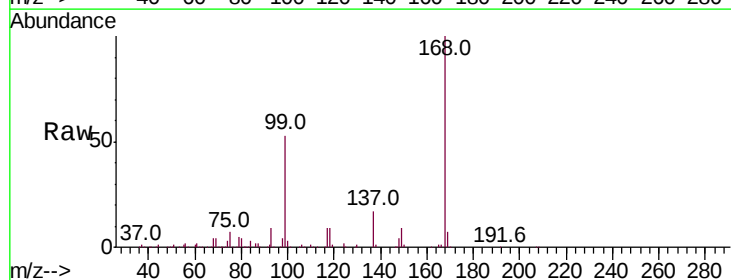
Tgt Ion: 75 Resp: 29058

Ion Ratio Lower Upper

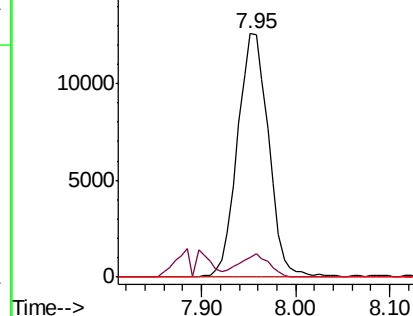
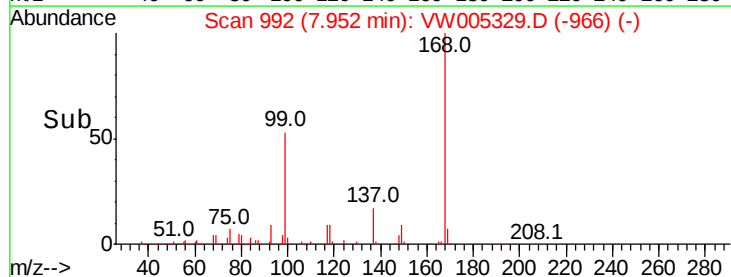
75 100

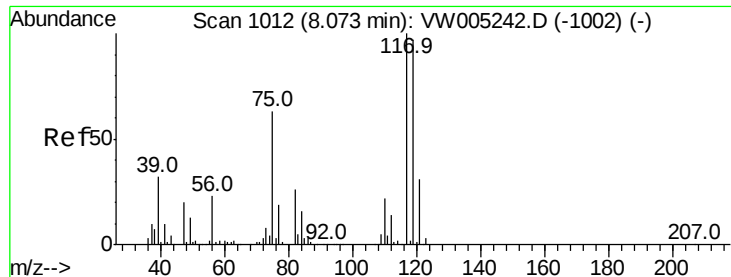
110 9.4 18.8 56.4#

77 0.0 24.9 37.3#



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

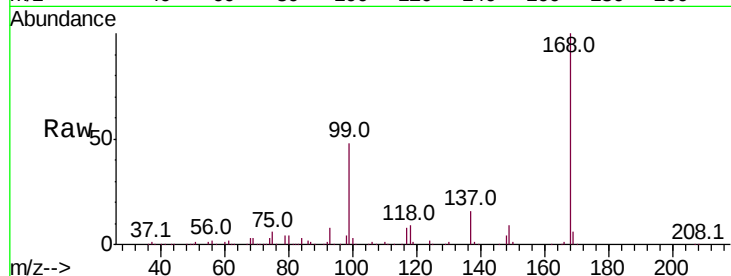




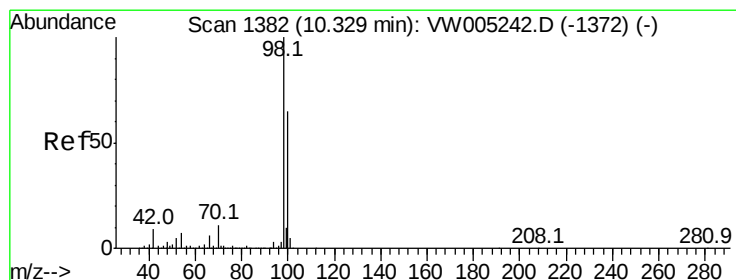
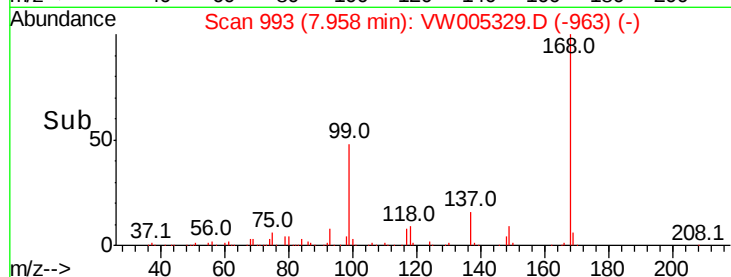
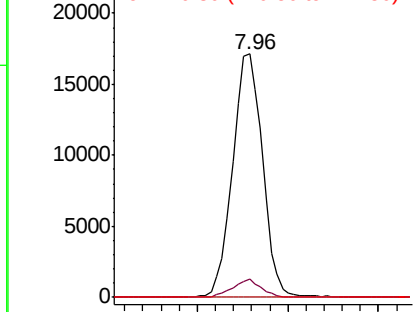
#38
Carbon Tetrachloride
Concen: 6.442 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.12 min
Lab File: VW005329.D
Acq: 12 Sep 2018 16:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 39333
Ion Ratio Lower Upper
117 100
119 7.5 77.5 116.3#
121 0.0 24.7 37.1#

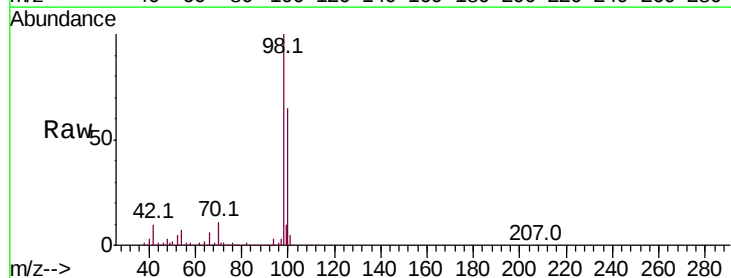


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

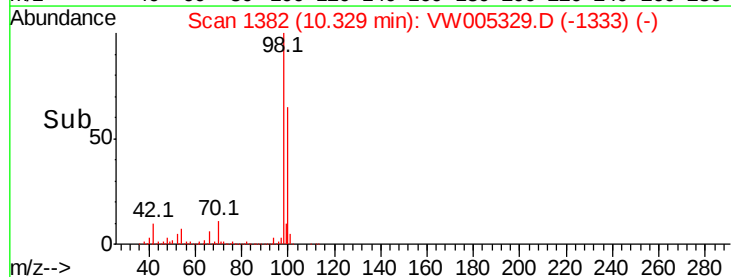
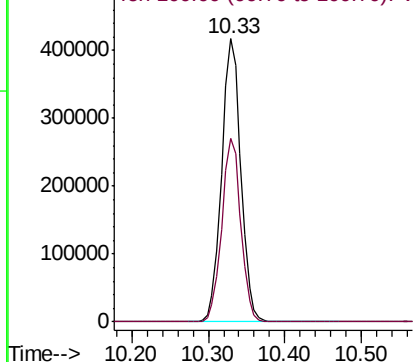


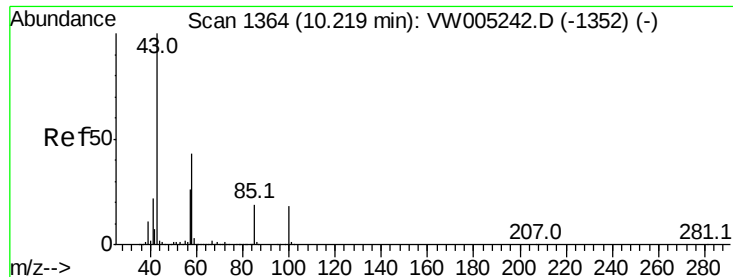
#50
Toluene-d8
Concen: 38.346 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW005329.D
Acq: 12 Sep 2018 16:49

Tgt Ion: 98 Resp: 722161
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.011 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.11 min

Lab File: VW005329.D

Acq: 12 Sep 2018 16:49

Instrument :

MSVOA_W

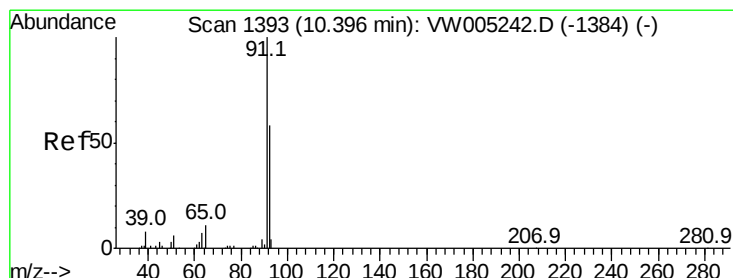
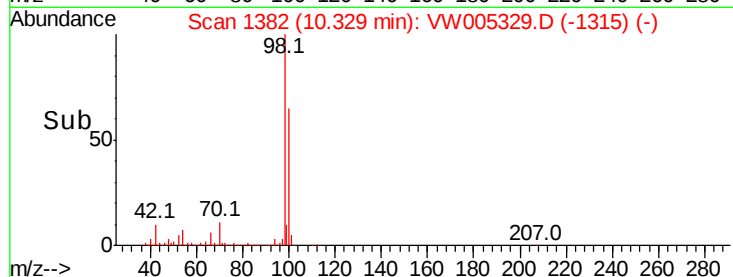
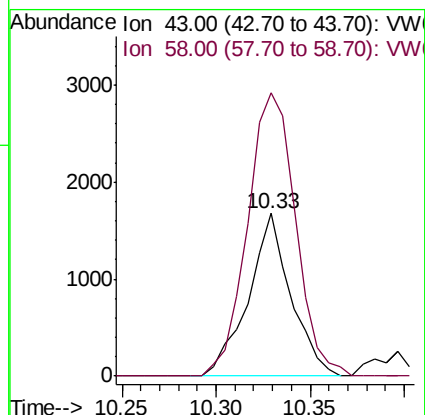
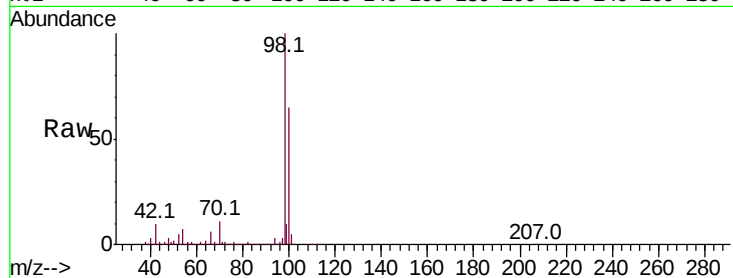
ClientSampled :

Tot Ion: 43 Resp: 2619

Ion Ratio Lower Upper

43 100

58 196.8 33.8 50.6#



#52

Toluene

Concen: 1.193 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005329.D

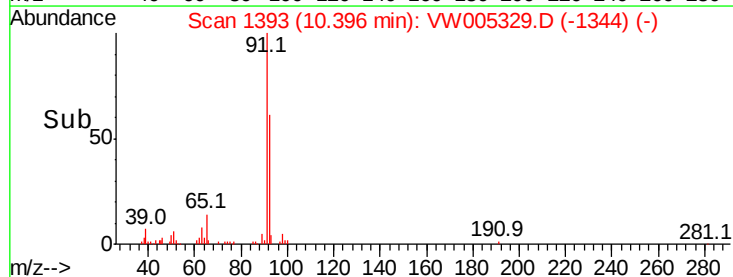
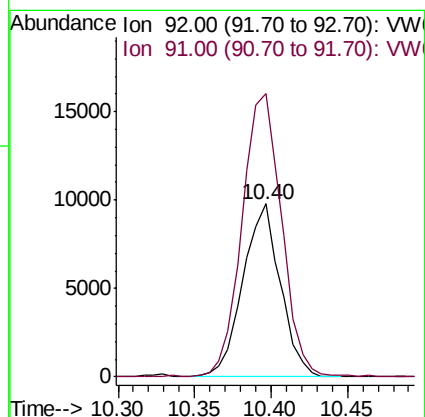
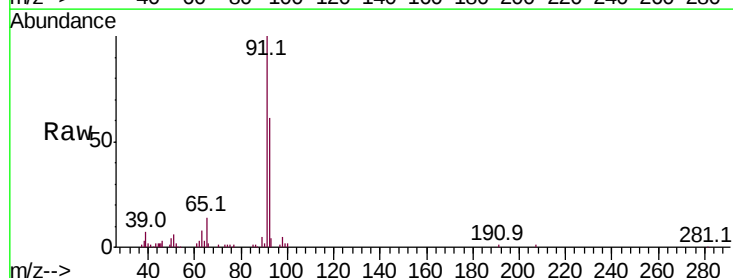
Acq: 12 Sep 2018 16:49

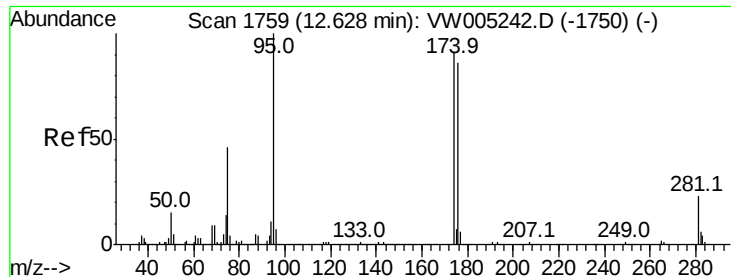
Tgt Ion: 92 Resp: 16653

Ion Ratio Lower Upper

92 100

91 173.1 137.4 206.0





#62

4-Bromofluorobenzene

Concen: 37.228 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.01 min

Lab File: VW005329.D

Acq: 12 Sep 2018 16:49

Instrument :

MSVOA_W

ClientSampleId :

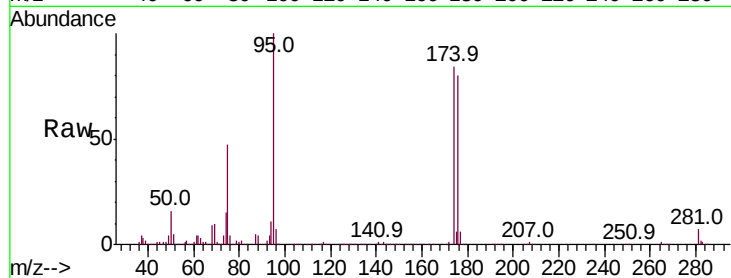
Tot Ion: 95 Resp: 256441

Ion Ratio Lower Upper

95 100

174 88.2 0.0 174.6

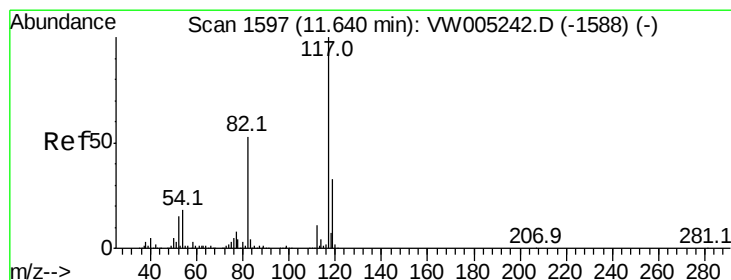
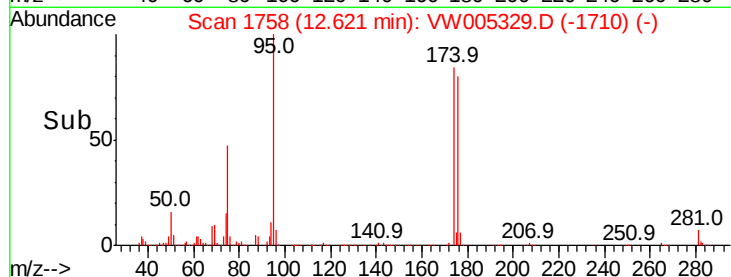
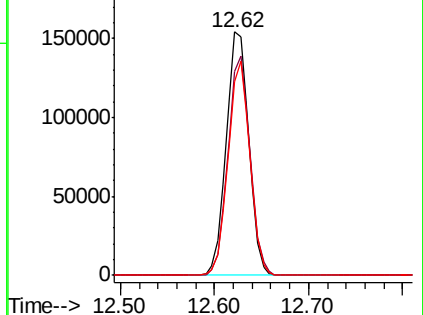
176 84.9 0.0 167.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.01 min

Lab File: VW005329.D

Acq: 12 Sep 2018 16:49

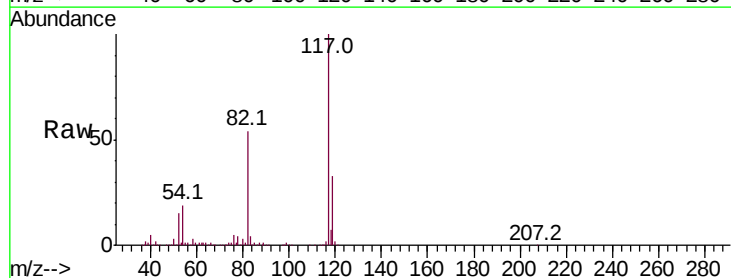
Tgt Ion: 117 Resp: 701434

Ion Ratio Lower Upper

117 100

82 54.1 42.6 63.8

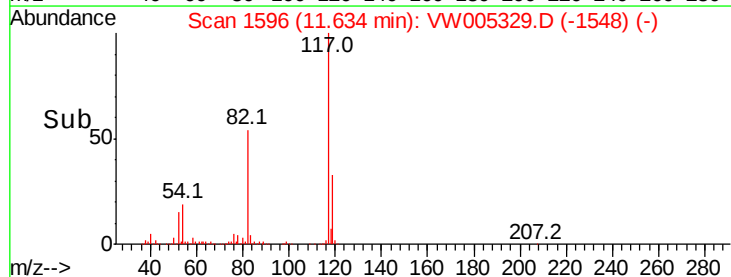
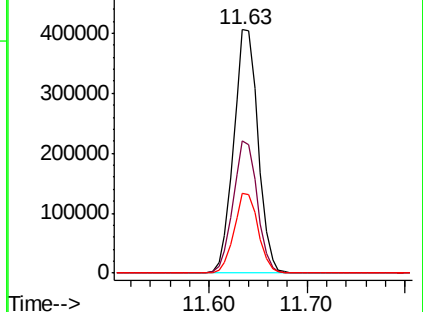
119 32.6 26.2 39.4

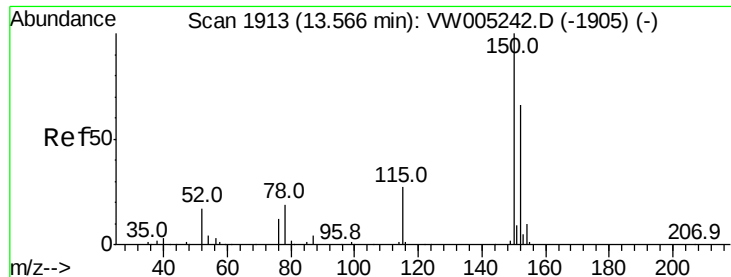


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005329.D

Acq: 12 Sep 2018 16:49

Instrument :

MSVOA_W

ClientSampleId :

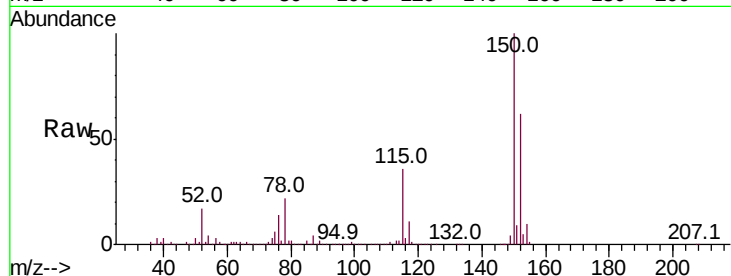
Tot Ion:152 Resp: 351623

Ion Ratio Lower Upper

152 100

115 57.1 27.5 82.4

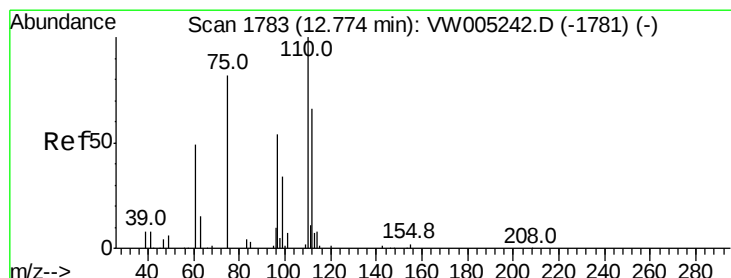
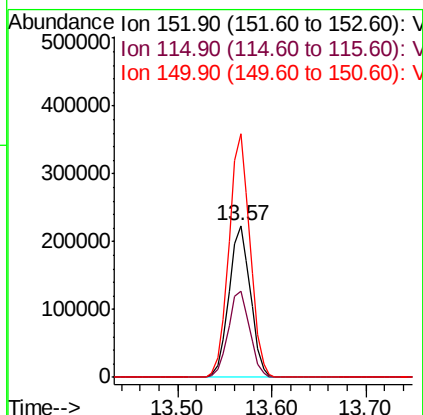
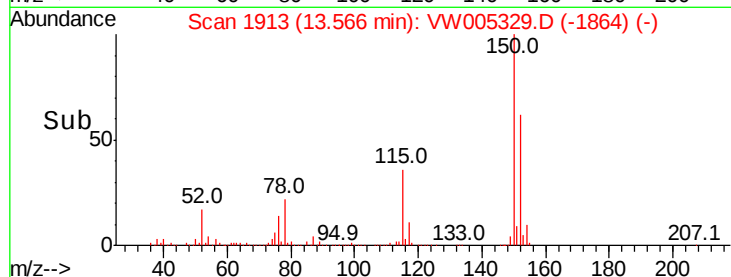
150 157.7 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 43.678 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005329.D

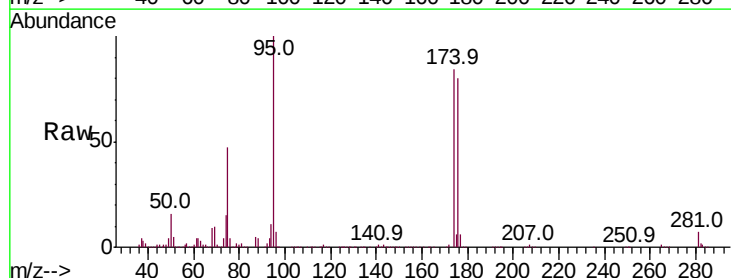
Acq: 12 Sep 2018 16:49

Tgt Ion: 75 Resp: 118127

Ion Ratio Lower Upper

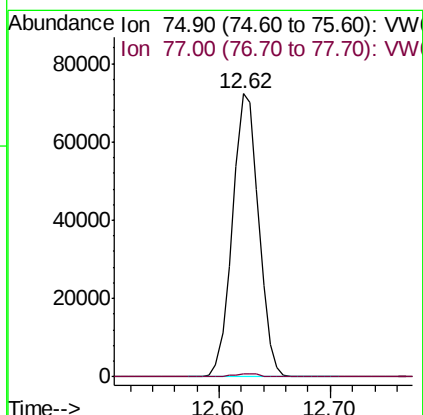
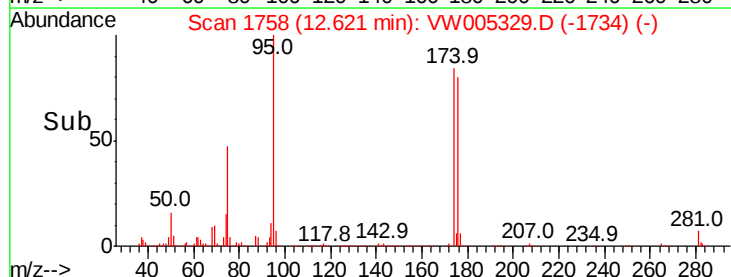
75 100

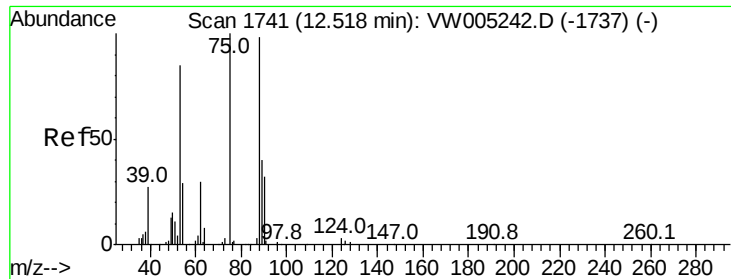
77 1.3 0.0 0.0#



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: 102.434 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005329.D

Acq: 12 Sep 2018 16:49

Instrument :

MSVOA_W

ClientSampleId :

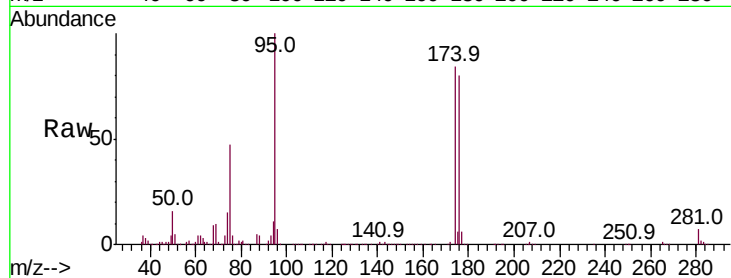
Tot Ion: 75 Resp: 118127

Ion Ratio Lower Upper

75 100

53 0.2 67.0 100.6#

89 0.1 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

