

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030819\
 Data File : VW009065.D
 Acq On : 08 Mar 2019 19:57
 Operator : SY/VA
 Sample : K1807-01RE
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1RE

Quant Time: Mar 09 01:21:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	282648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	457057	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	419348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	199944	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	178757	62.86	ug/l	0.00
Spiked Amount			Recovery	=	125.72%	
35) Dibromofluoromethane	7.88	113	143043	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
50) Toluene-d8	10.32	98	546866	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	12.62	95	190055	42.72	ug/l	0.00
Spiked Amount			Recovery	=	85.44%	

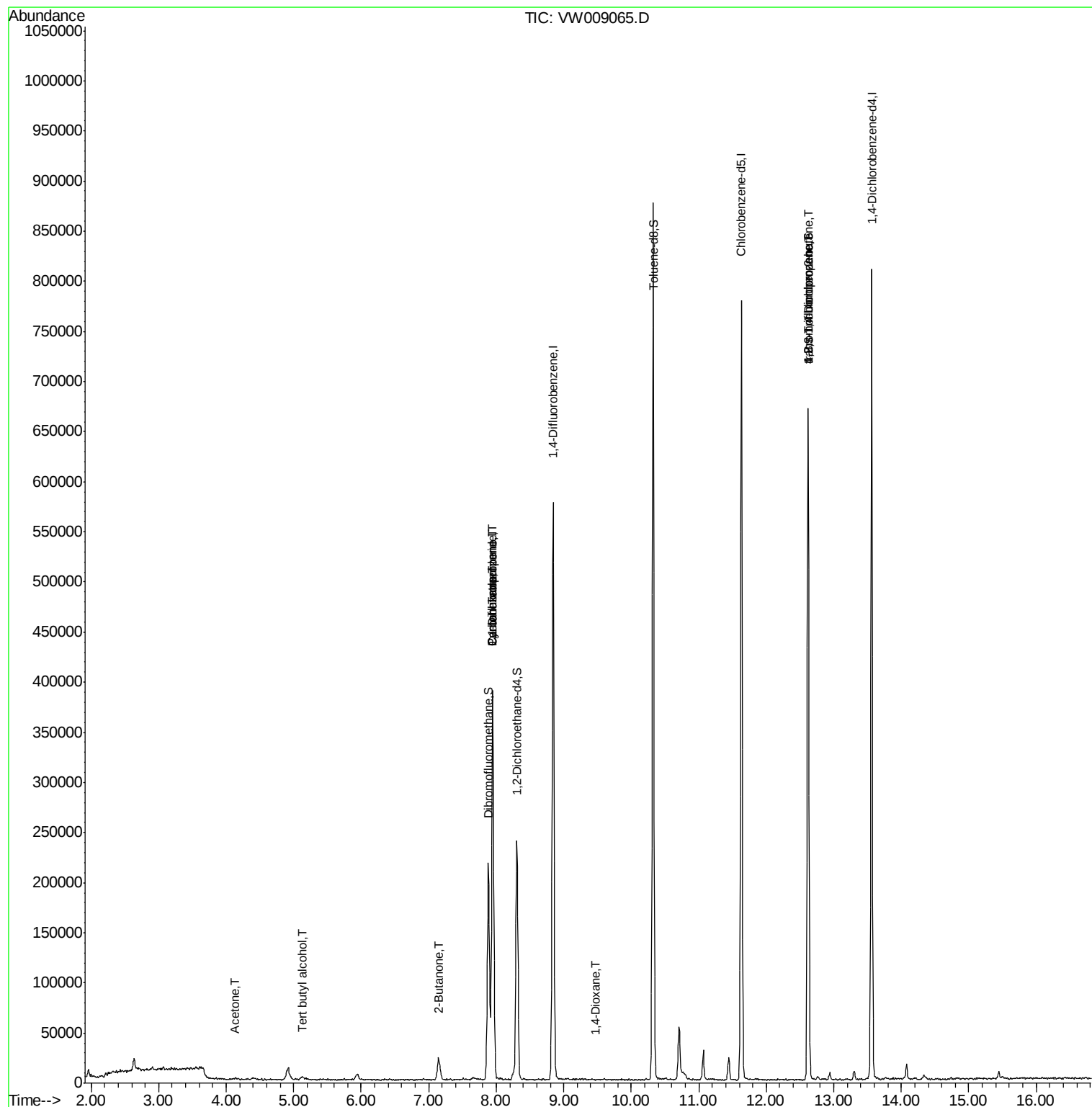
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	2477	11.367	ug/l #	91
16) Acetone	4.14	43	2497	3.891	ug/l #	60
20) Methylene Chloride	4.92	84	8355	Below Cal	#	90
25) 2-Butanone	7.15	43	1231	1.388	ug/l #	50
31) Cyclohexane	7.95	56	6808	1.284	ug/l #	50
36) 1,1-Dichloropropene	7.95	75	21012	4.397	ug/l #	52
38) Carbon Tetrachloride	7.95	117	28904	5.856	ug/l #	17
49) 1,4-Dioxane	9.47	88	53	2.121	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	102341	64.784	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	102341	144.905	ug/l #	5

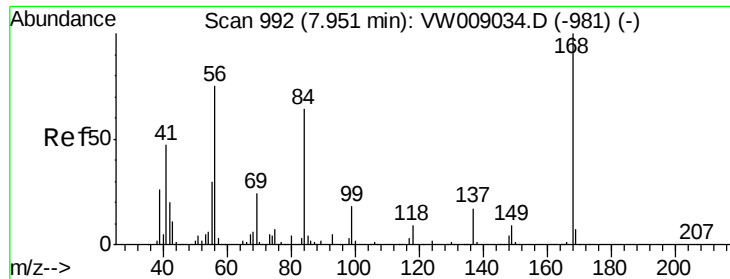
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009065.D

Acq: 08 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

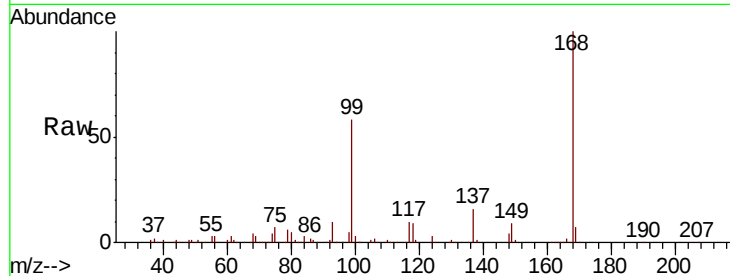
TP-1RE

Tot Ion:168 Resp: 282648

Ion Ratio Lower Upper

168 100

99 58.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

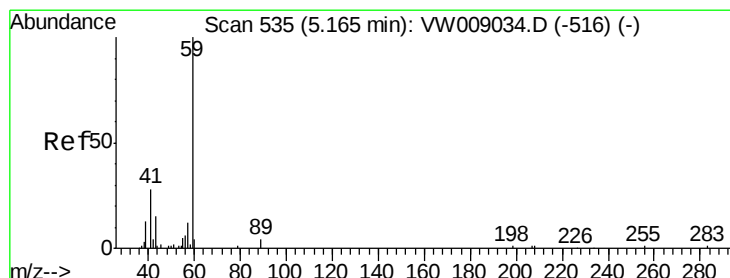
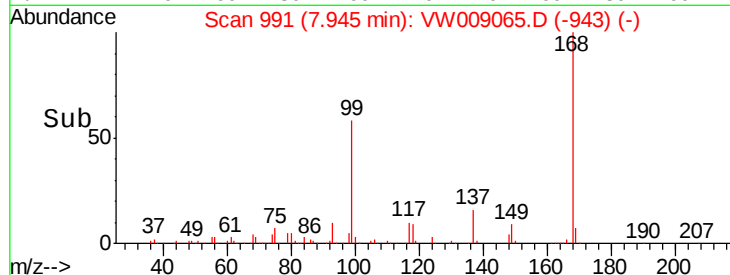
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 11.367 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW009065.D

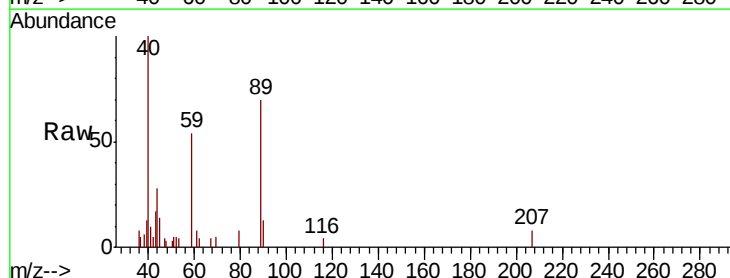
Acq: 08 Mar 2019 19:57

Tgt Ion: 59 Resp: 2477

Ion Ratio Lower Upper

59 100

57 7.3 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

1000

800

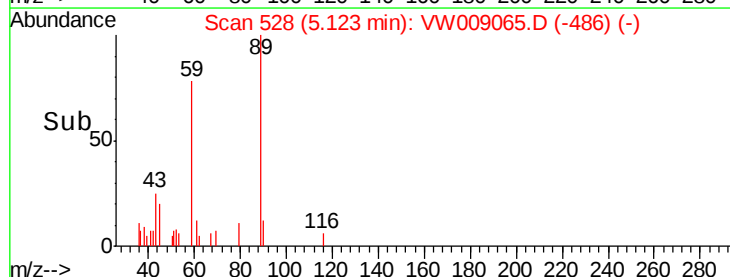
600

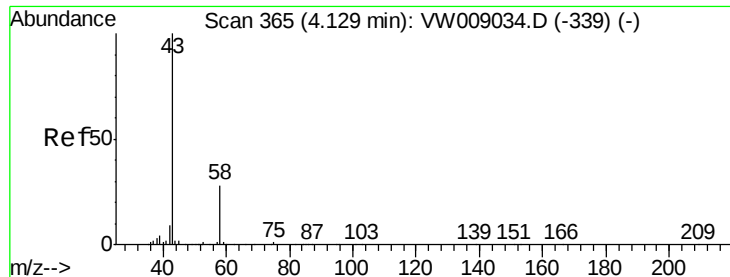
400

200

0

Time--> 5.00 5.05 5.10 5.15





#16

Acetone

Concen: 3.891 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW009065.D

Acq: 08 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

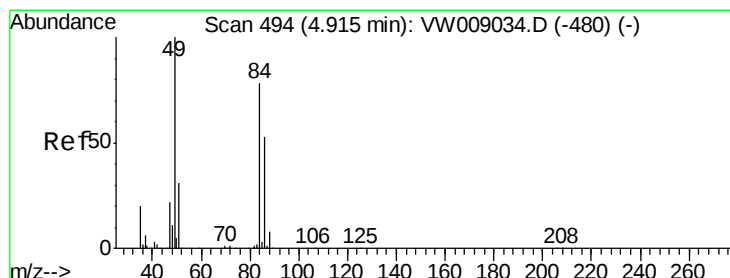
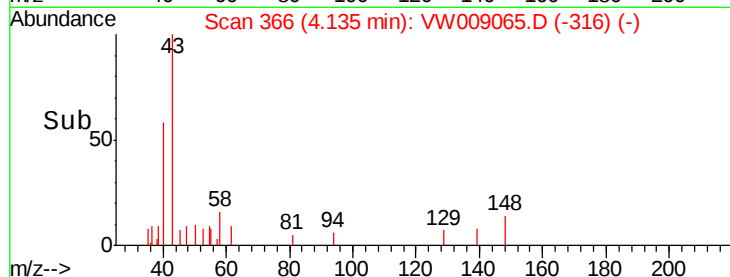
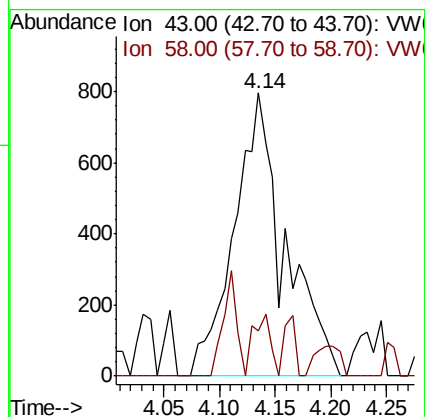
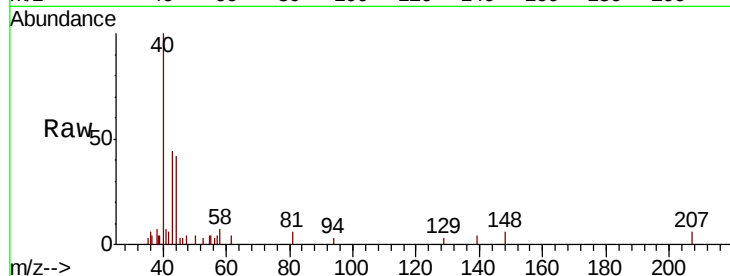
TP-1RE

Tot Ion: 43 Resp: 2497

Ion Ratio Lower Upper

43 100

58 6.9 22.5 33.7#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW009065.D

Acq: 08 Mar 2019 19:57

Tgt Ion: 84 Resp: 8355

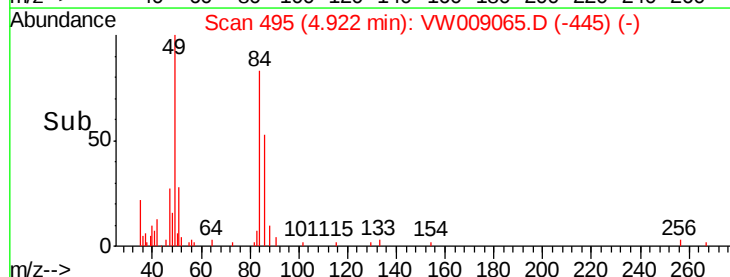
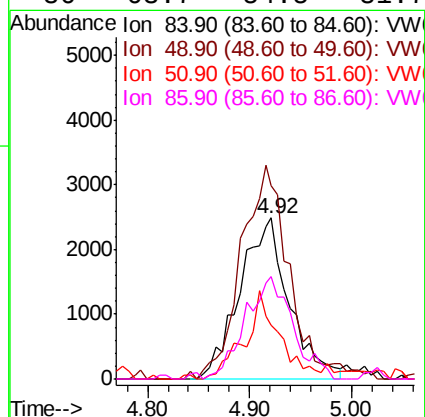
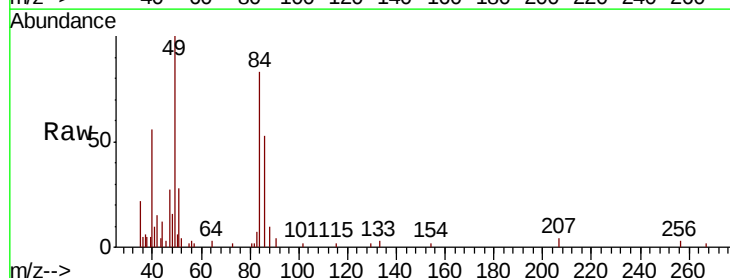
Ion Ratio Lower Upper

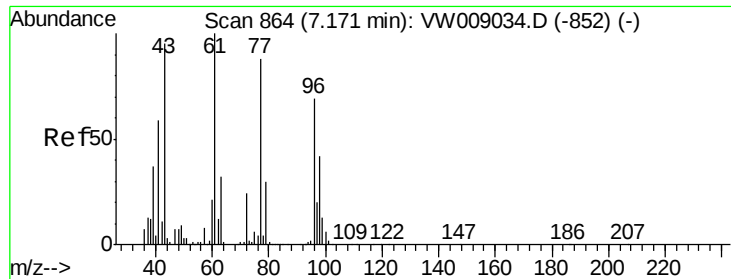
84 100

49 115.5 102.4 153.6

51 31.4 31.6 47.4#

86 63.7 54.5 81.7





#25

2-Butanone

Concen: 1.388 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW009065.D

Acq: 08 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampled :

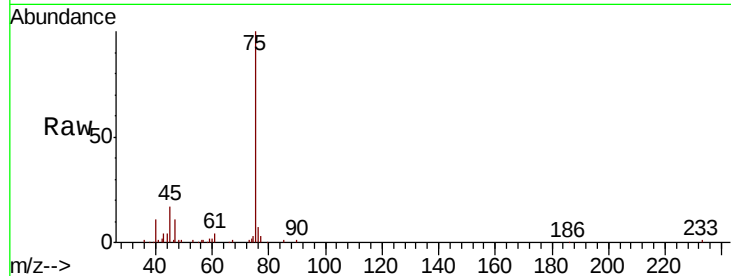
TP-1RE

Tot Ion: 43 Resp: 1231

Ion Ratio Lower Upper

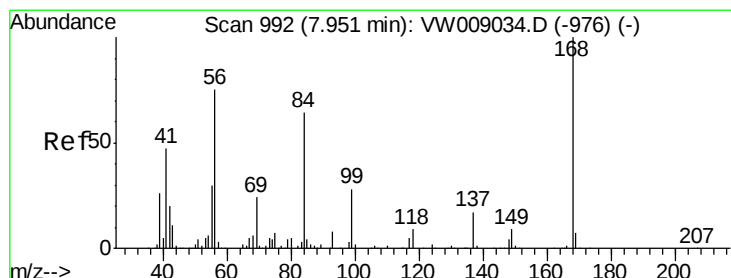
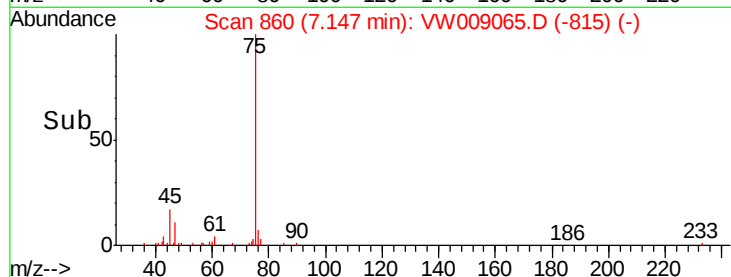
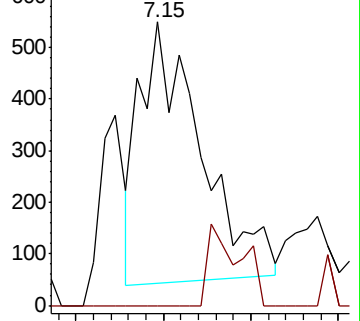
43 100

72 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.284 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009065.D

Acq: 08 Mar 2019 19:57

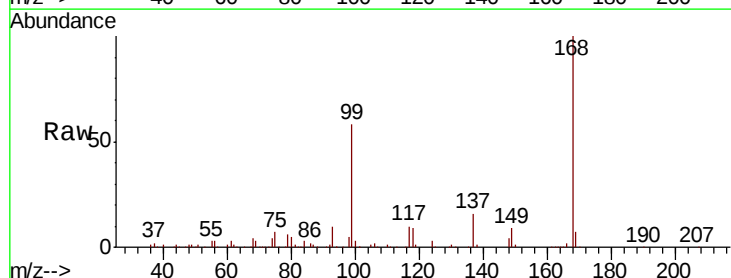
Tgt Ion: 56 Resp: 6808

Ion Ratio Lower Upper

56 100

69 117.1 25.5 38.3#

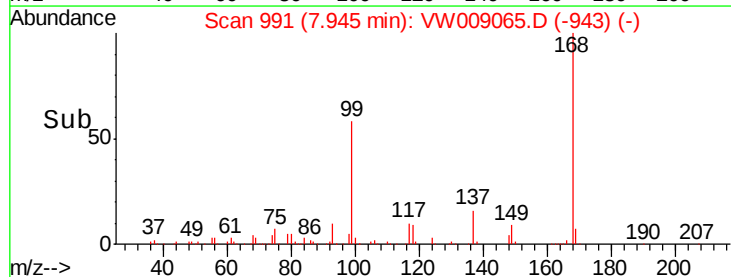
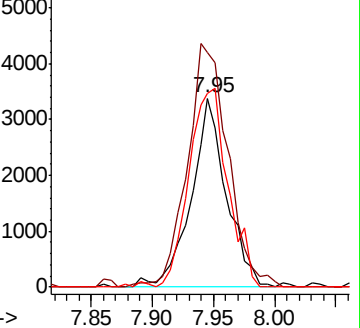
84 96.5 68.6 103.0

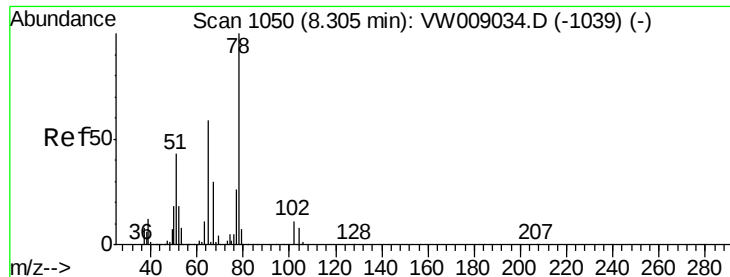


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 62.860 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009065.D

Acq: 08 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

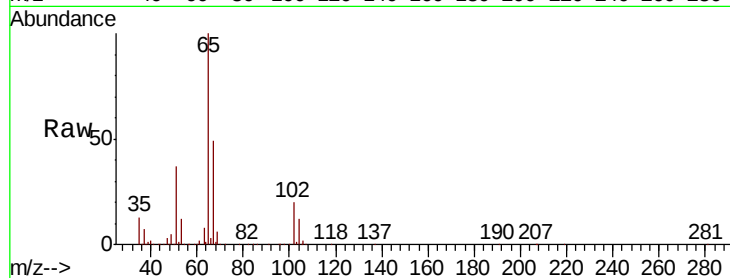
TP-1RE

Tot Ion: 65 Resp: 178757

Ion Ratio Lower Upper

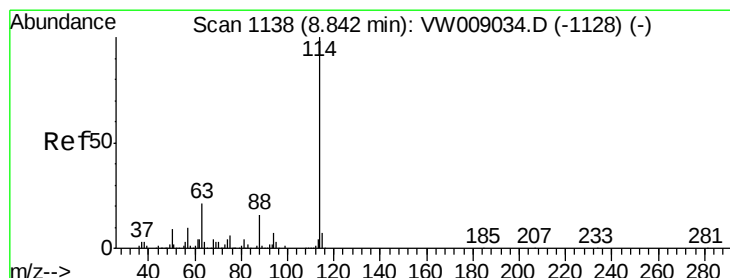
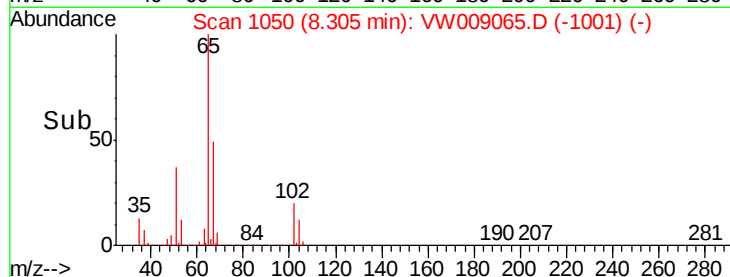
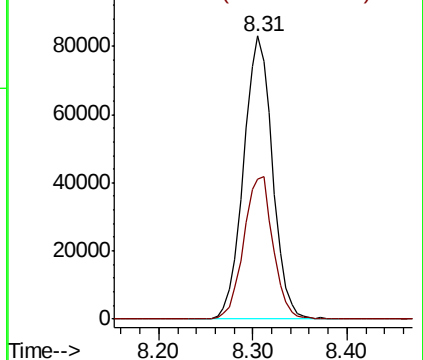
65 100

67 50.9 0.0 103.0



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: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009065.D

Acq: 08 Mar 2019 19:57

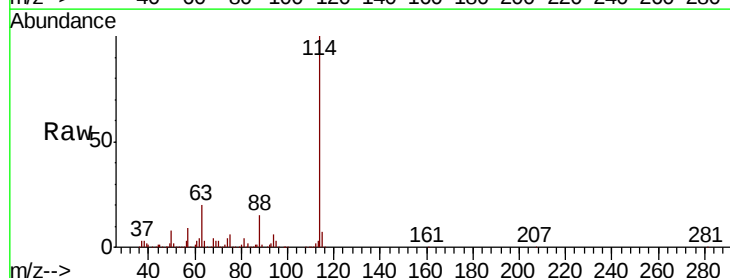
Tgt Ion: 114 Resp: 457057

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.2

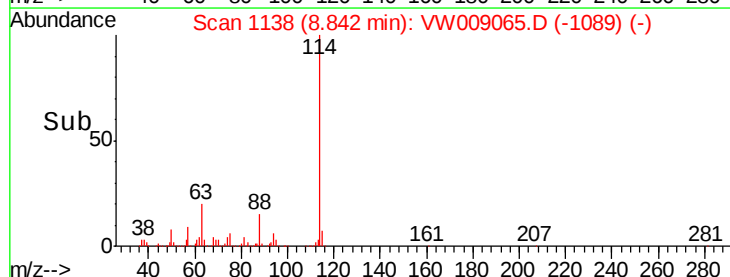
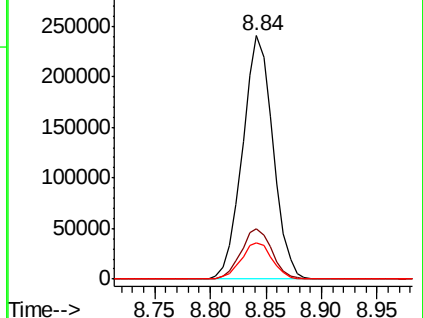
88 14.9 0.0 31.2

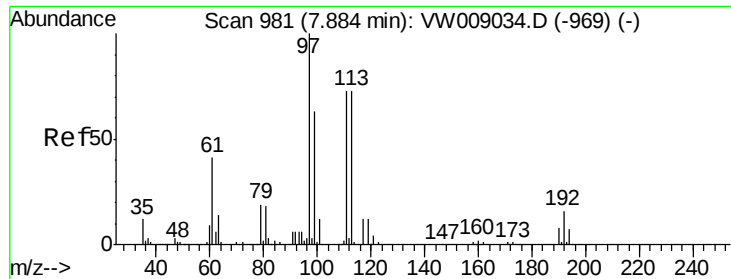


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 51.980 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009065.D

Acq: 08 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

TP-1RE

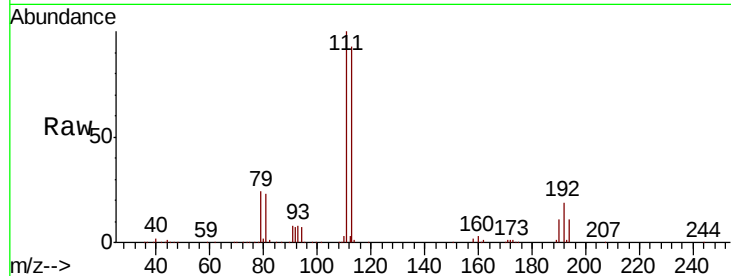
Tot Ion:113 Resp: 143043

Ion Ratio Lower Upper

113 100

111 104.3 81.0 121.4

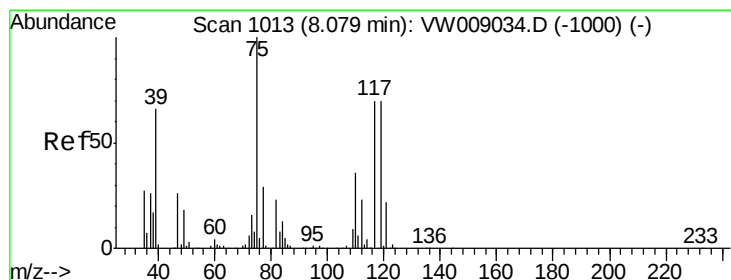
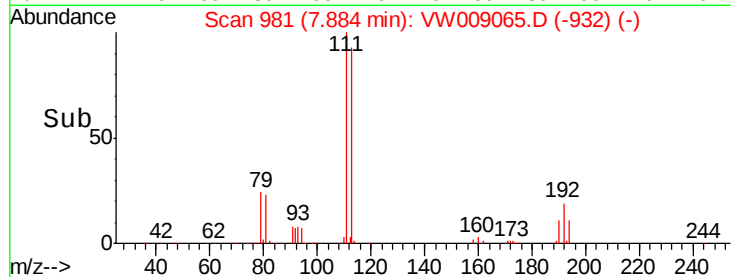
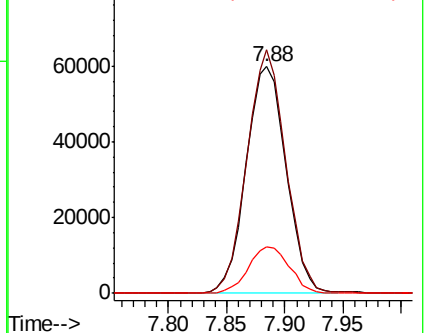
192 21.0 17.1 25.7



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: 4.397 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009065.D

Acq: 08 Mar 2019 19:57

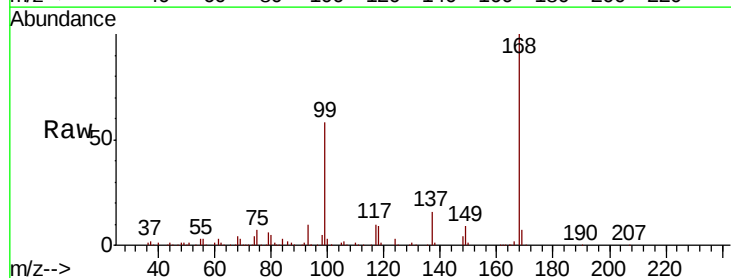
Tgt Ion: 75 Resp: 21012

Ion Ratio Lower Upper

75 100

110 11.6 17.6 52.9#

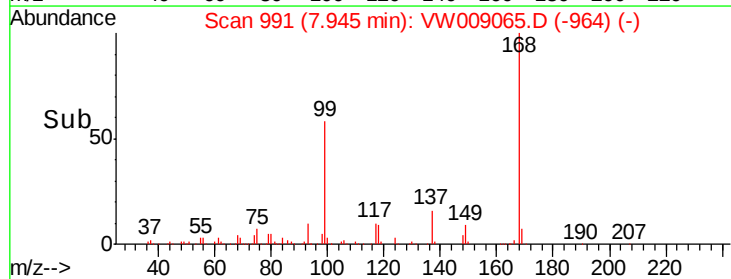
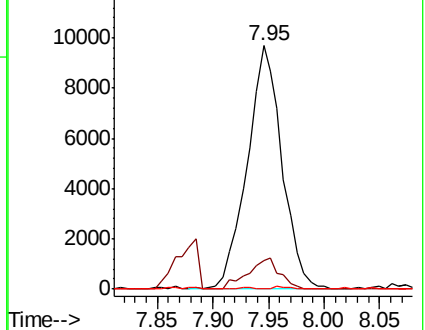
77 0.5 25.1 37.7#

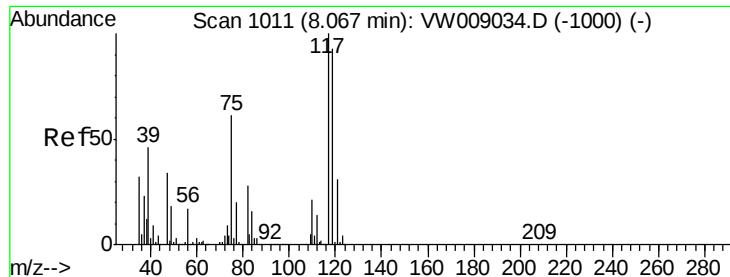


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.856 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW009065.D

Acq: 08 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

TP-1RE

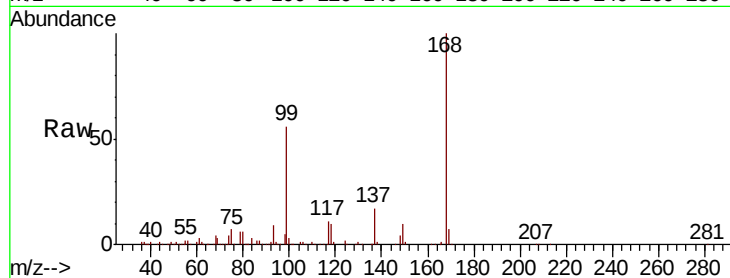
Tot Ion:117 Resp: 28904

Ion Ratio Lower Upper

117 100

119 5.4 74.6 112.0#

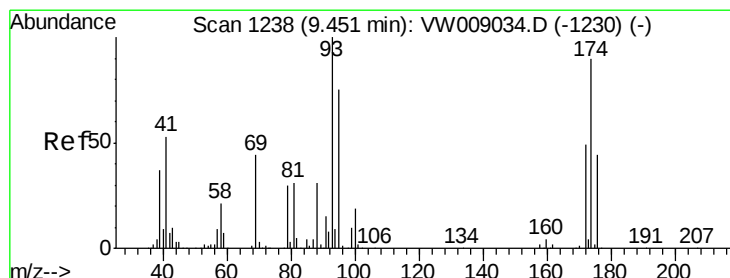
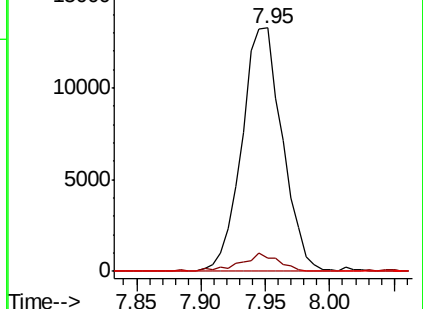
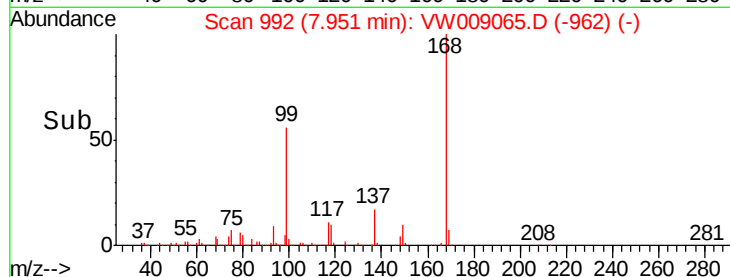
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 2.121 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VW009065.D

Acq: 08 Mar 2019 19:57

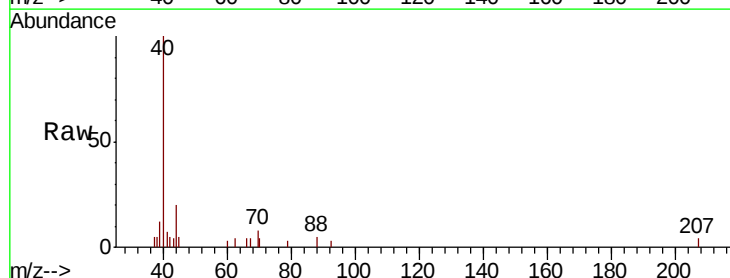
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 430.2 29.0 43.4#

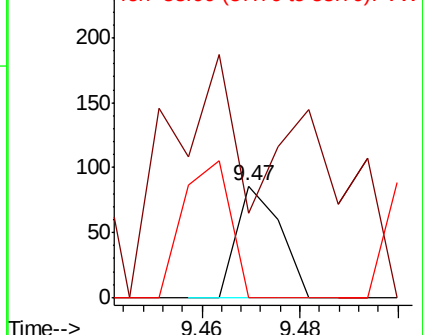
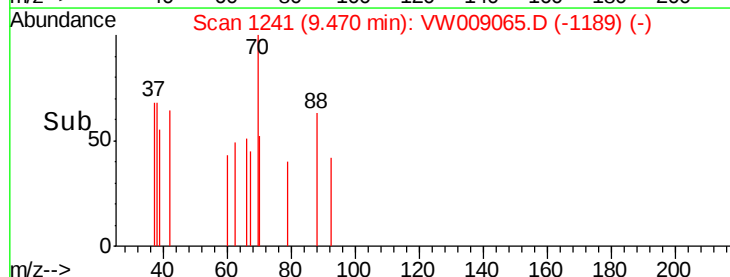
58 132.1 59.2 88.8#

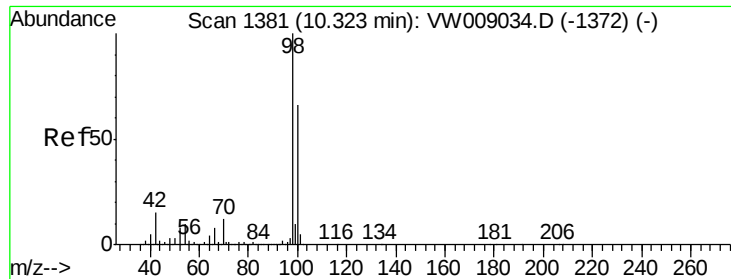


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 48.385 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009065.D

Acq: 08 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

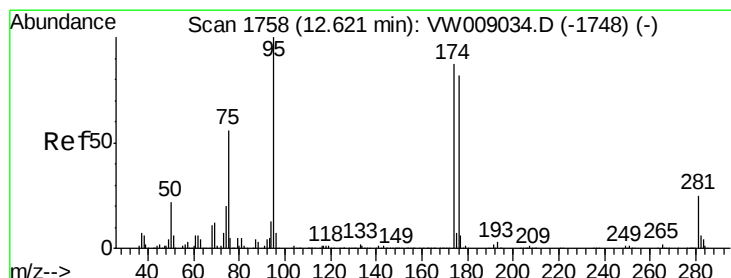
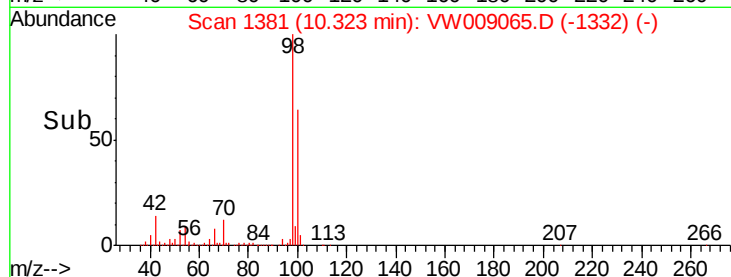
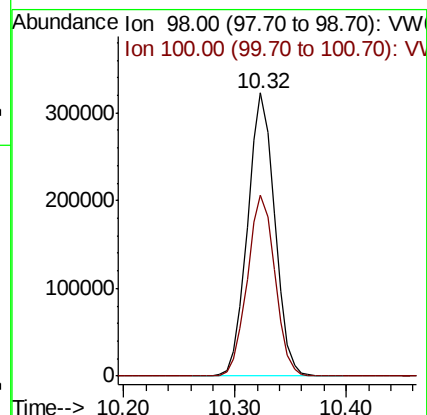
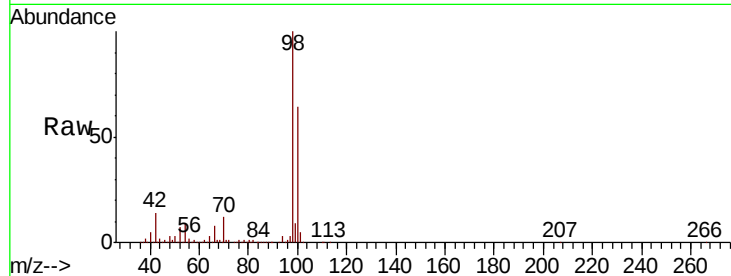
TP-1RE

Tot Ion: 98 Resp: 546866

Ion Ratio Lower Upper

98 100

100 65.2 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 42.715 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009065.D

Acq: 08 Mar 2019 19:57

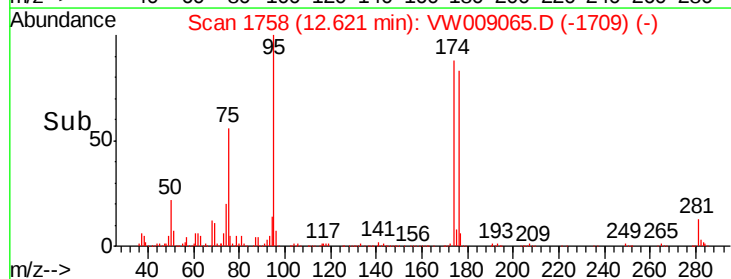
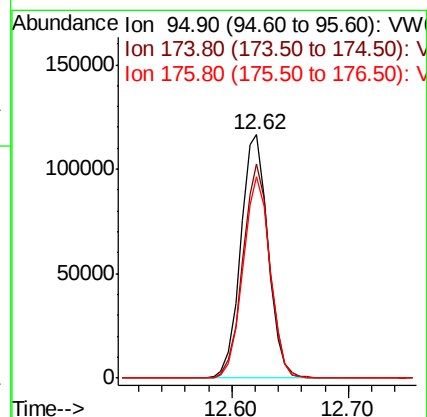
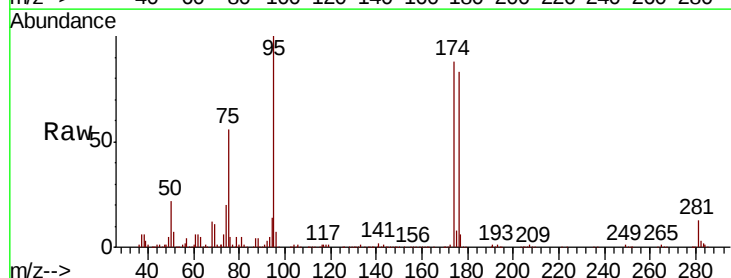
Tgt Ion: 95 Resp: 190055

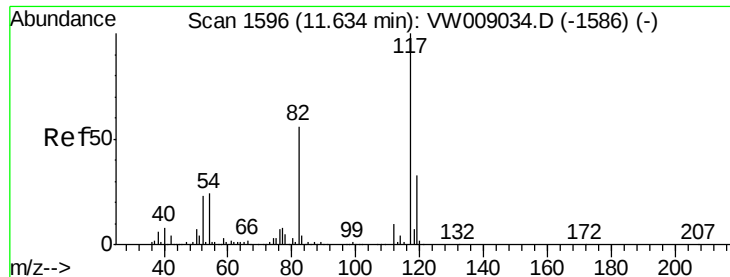
Ion Ratio Lower Upper

95 100

174 86.8 0.0 167.0

176 82.3 0.0 159.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW009065.D

Acq: 08 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

TP-1RE

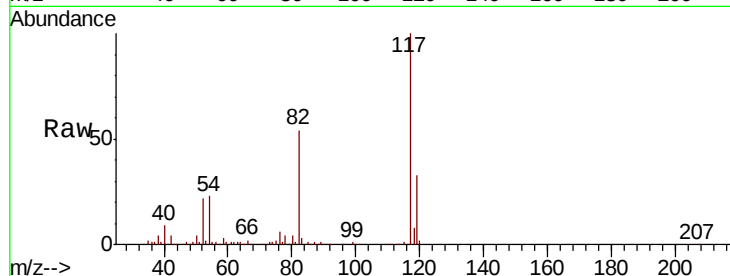
Tot Ion:117 Resp: 419348

Ion Ratio Lower Upper

117 100

82 54.1 45.0 67.6

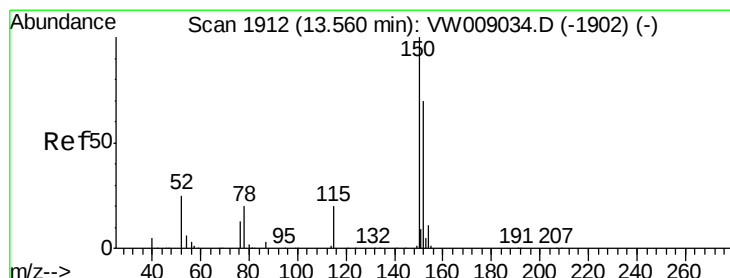
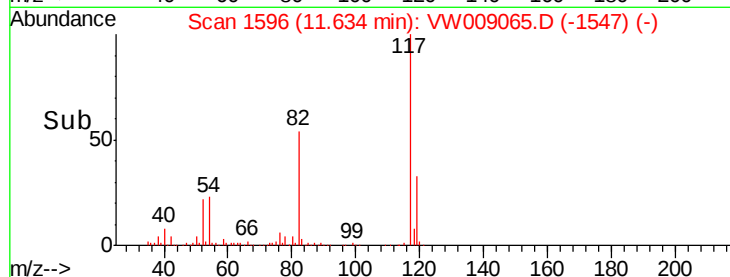
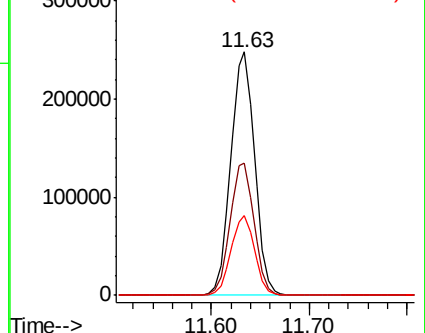
119 33.0 26.6 39.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009065.D

Acq: 08 Mar 2019 19:57

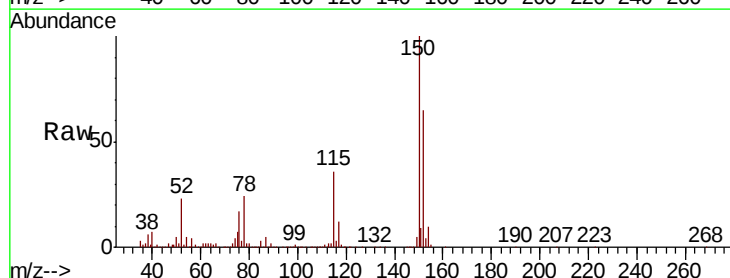
Tgt Ion:152 Resp: 199944

Ion Ratio Lower Upper

152 100

115 56.3 28.9 86.7

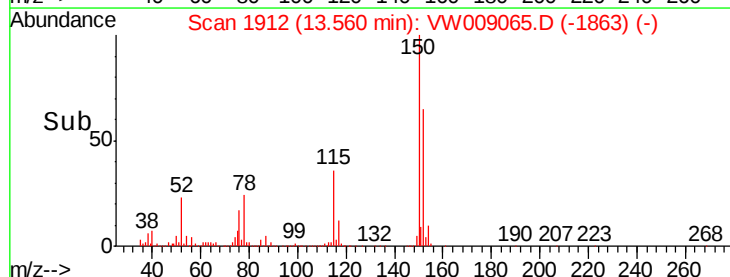
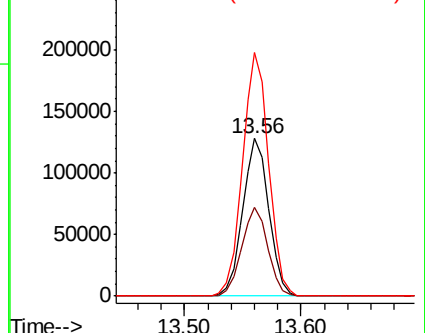
150 154.2 0.0 349.2

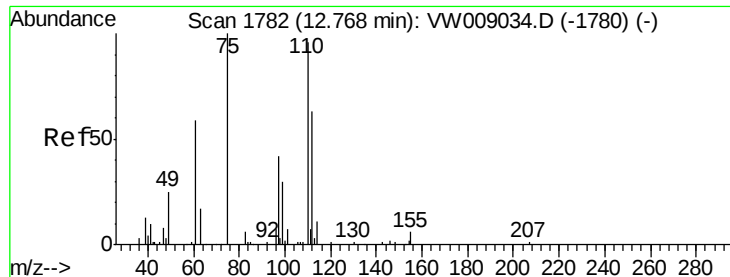


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 64.784 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009065.D

Acq: 08 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampled :

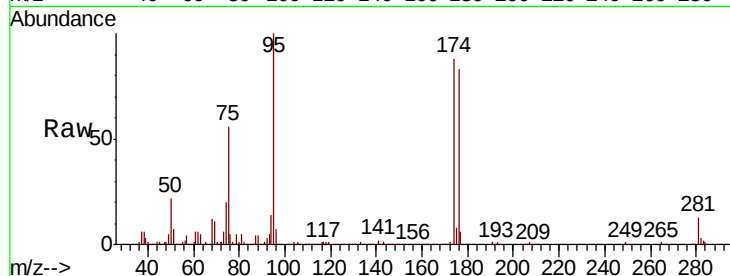
TP-1RE

Tot Ion: 75 Resp: 102341

Ion Ratio Lower Upper

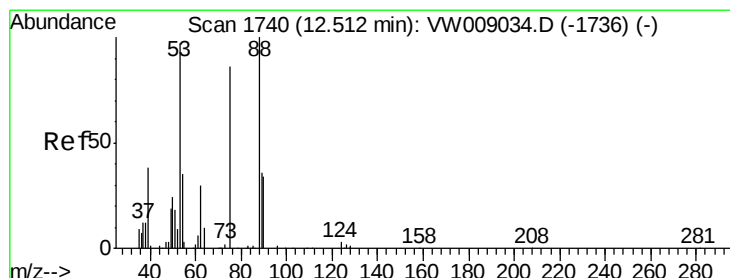
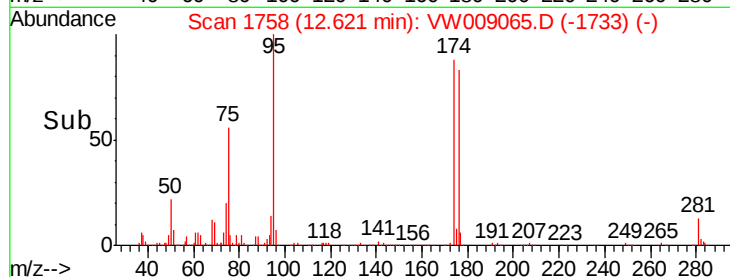
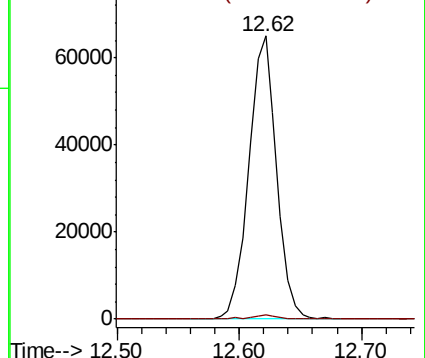
75 100

77 1.7 186.7 560.0#



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: 144.905 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009065.D

Acq: 08 Mar 2019 19:57

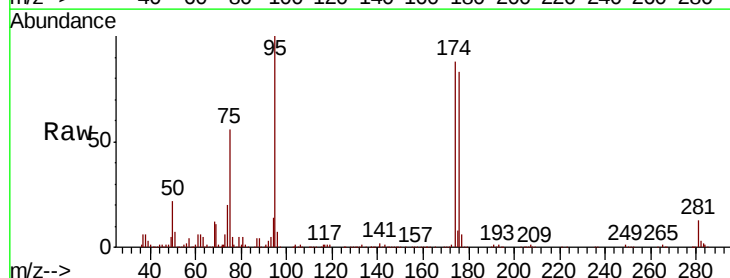
Tgt Ion: 75 Resp: 102341

Ion Ratio Lower Upper

75 100

53 0.2 90.5 135.7#

89 0.3 37.5 56.3#



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

