

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
 Data File : VW010667.D
 Acq On : 03 Jun 2019 18:44
 Operator : SY/VA
 Sample : K3165-02
 Misc : 1.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 04 07:40:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	126386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	218066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	160335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	53470	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	66599	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
35) Dibromofluoromethane	7.89	113	66951	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
50) Toluene-d8	10.32	98	238143	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	
62) 4-Bromofluorobenzene	12.62	95	71634	35.58	ug/l	0.00
Spiked Amount			Recovery	=	71.16%	

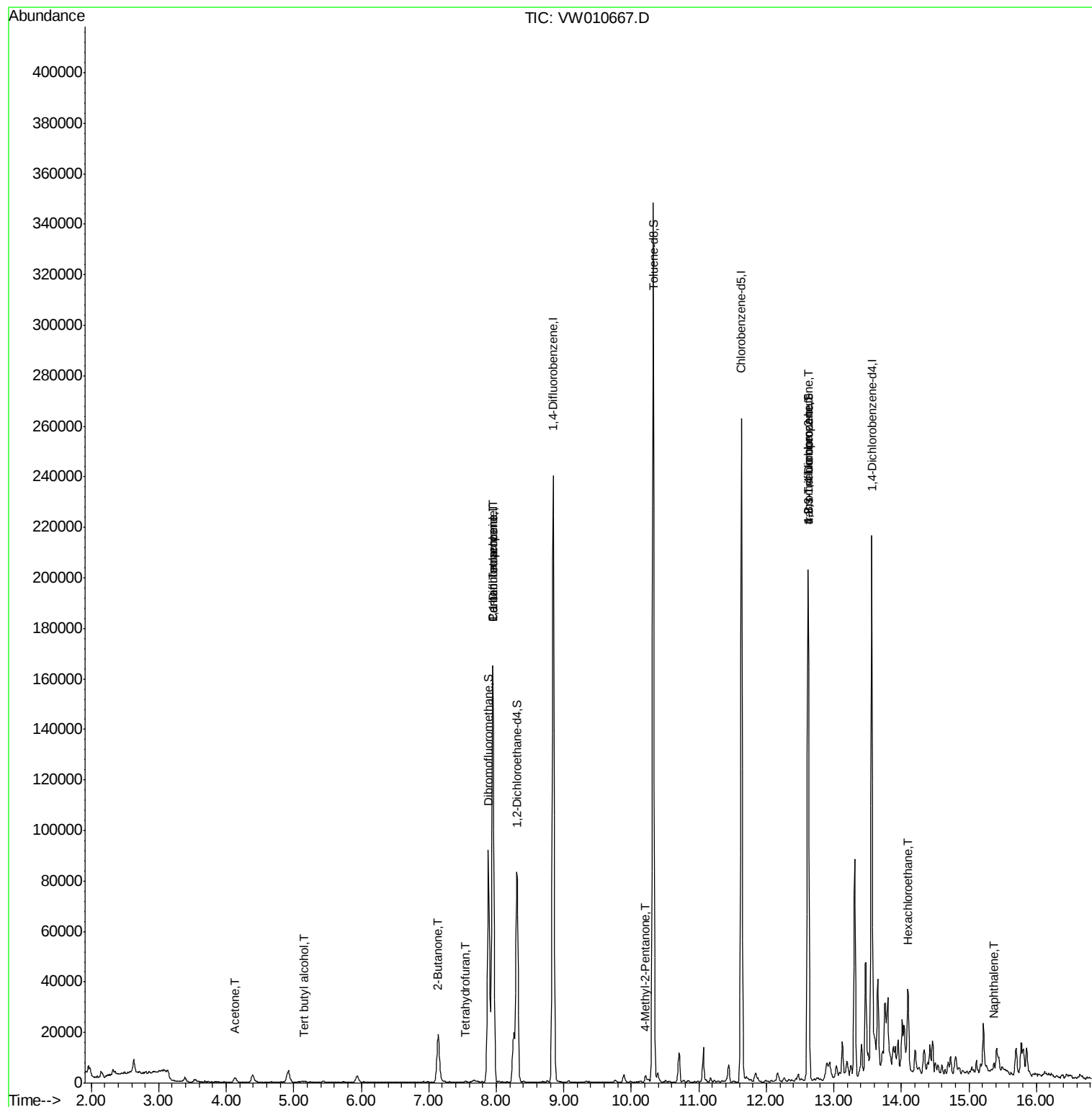
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	158	Below Cal	#	42
11) Tert butyl alcohol	5.15	59	292	2.488	ug/l #	71
16) Acetone	4.13	43	3209	12.051	ug/l	93
20) Methylene Chloride	4.92	84	3745	Below Cal		97
25) 2-Butanone	7.14	43	1071	2.810	ug/l #	45
29) Tetrahydrofuran	7.54	42	311	1.206	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	9003	4.432	ug/l #	48
38) Carbon Tetrachloride	7.95	117	13074	5.966	ug/l #	15
51) 4-Methyl-2-Pentanone	10.21	43	2171	2.483	ug/l	96
76) 1,2,3-Trichloropropane	12.61	75	33278	61.313	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.61	75	33278	127.962	ug/l #	14
90) Hexachloroethane	14.10	117	1672	2.173	ug/l #	15
95) Naphthalene	15.37	128	3354	1.384	ug/l #	94

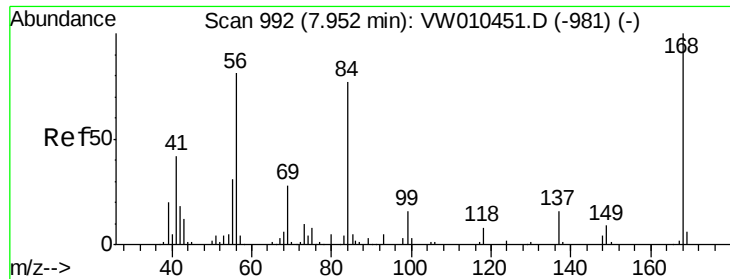
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060319\
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Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010667.D

Acq: 03 Jun 2019 18:44

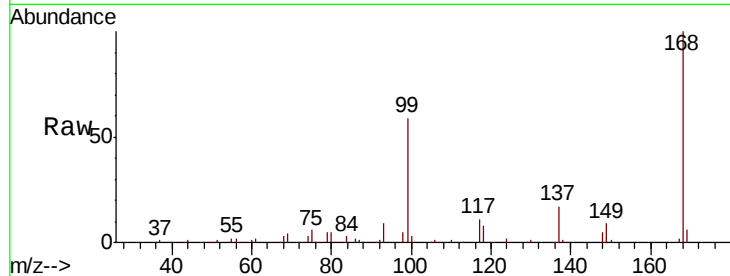
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 126386

Ion Ratio Lower Upper

168 100

99 58.7 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

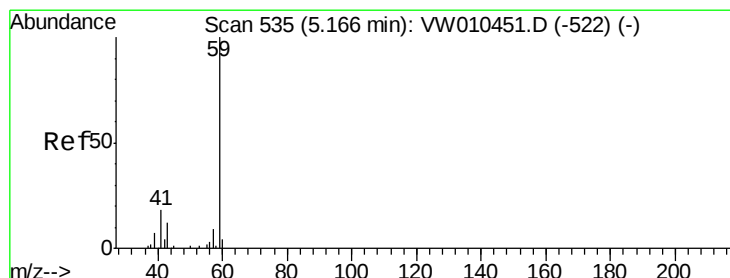
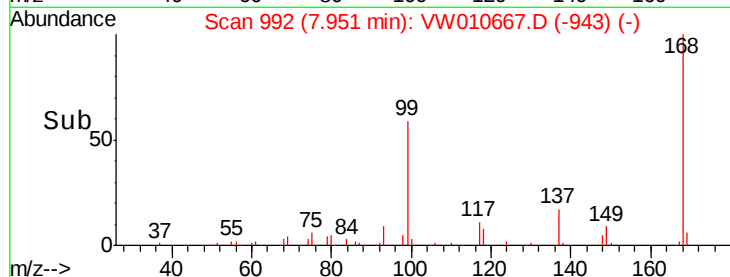
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.488 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW010667.D

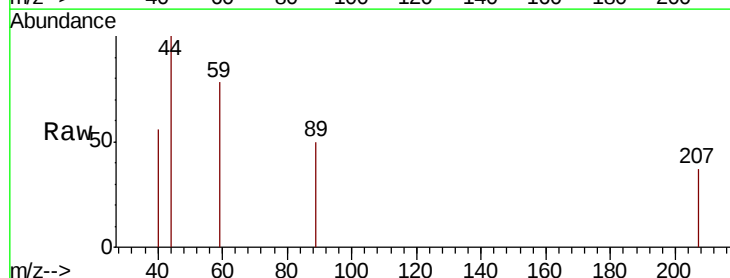
Acq: 03 Jun 2019 18:44

Tgt Ion: 59 Resp: 292

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

200

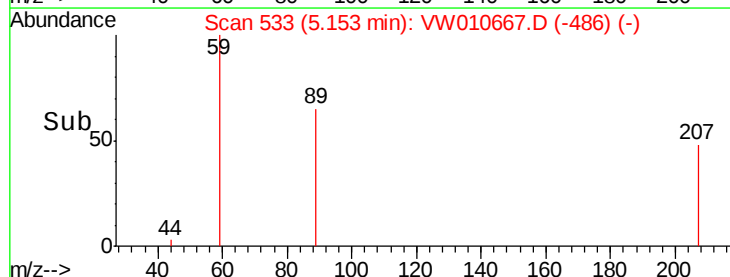
150

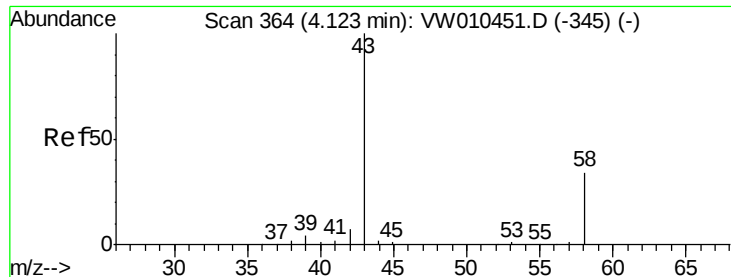
100

50

0

Time--> 5.10 5.12 5.14 5.16 5.18





#16

Acetone

Concen: 12.051 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010667.D

Acq: 03 Jun 2019 18:44

Instrument :

MSVOA_W

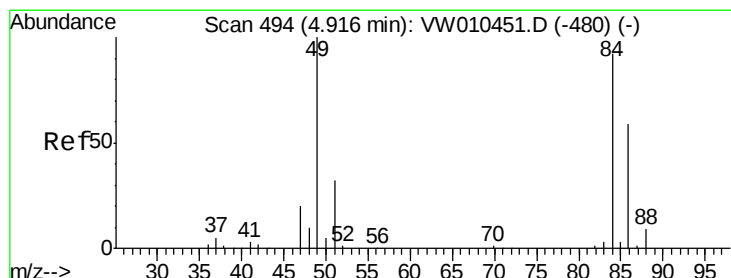
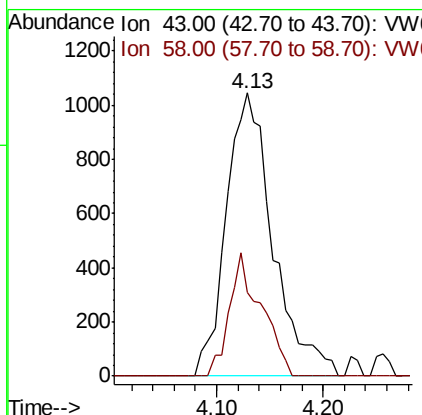
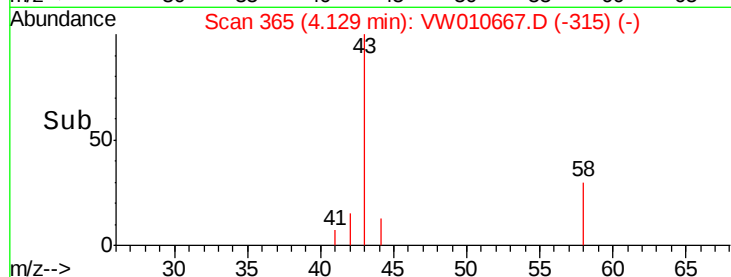
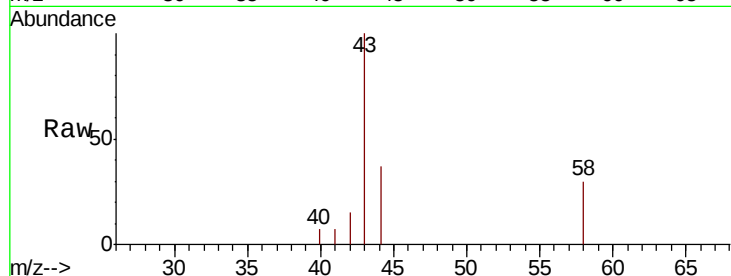
ClientSampled :

Tot Ion: 43 Resp: 3209

Ion Ratio Lower Upper

43 100

58 29.6 27.0 40.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW010667.D

Acq: 03 Jun 2019 18:44

Tgt Ion: 84 Resp: 3745

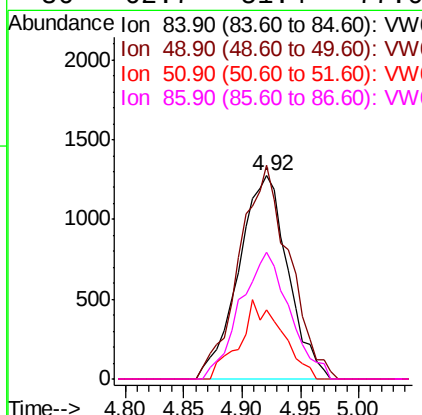
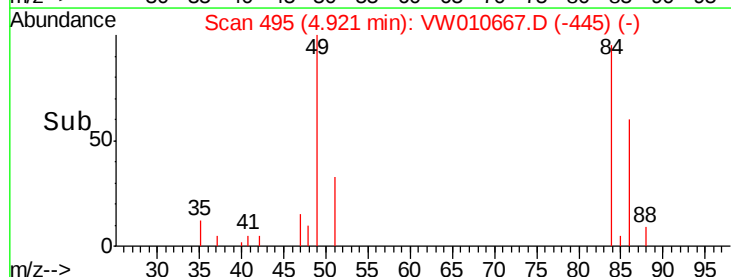
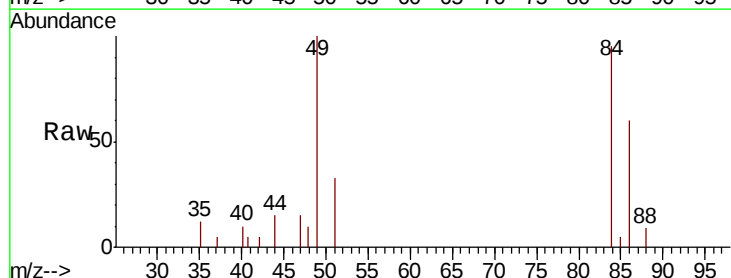
Ion Ratio Lower Upper

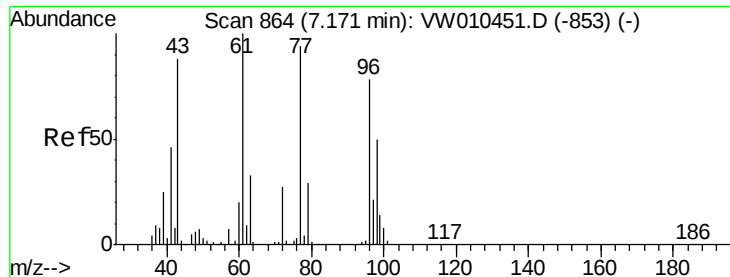
84 100

49 105.3 87.2 130.8

51 34.3 27.7 41.5

86 62.7 51.4 77.0





#25

2-Butanone

Concen: 2.810 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW010667.D

Acq: 03 Jun 2019 18:44

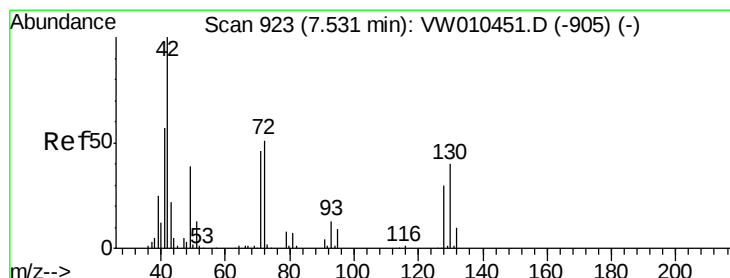
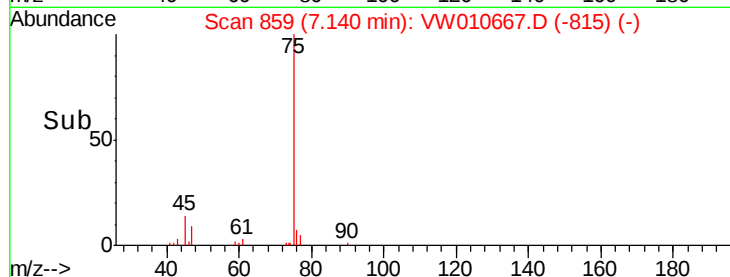
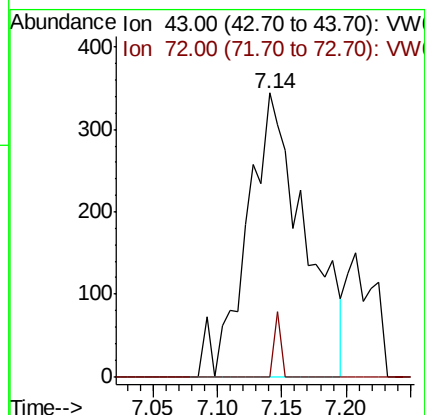
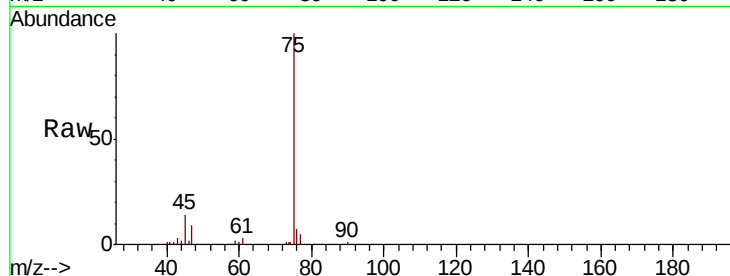
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1071

Ion Ratio Lower Upper

43 100

72 0.0 24.1 36.1#



#29

Tetrahydrofuran

Concen: 1.206 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW010667.D

Acq: 03 Jun 2019 18:44

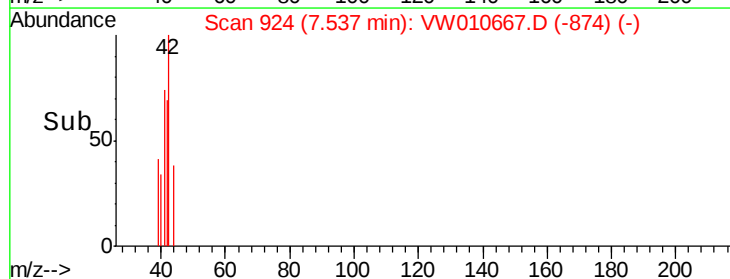
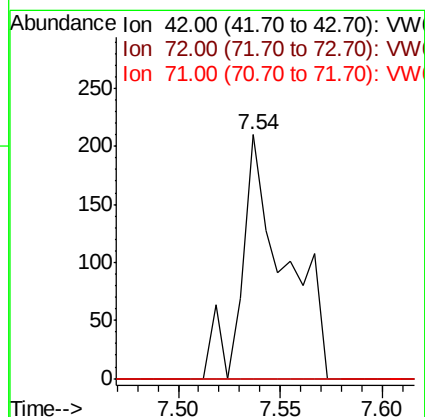
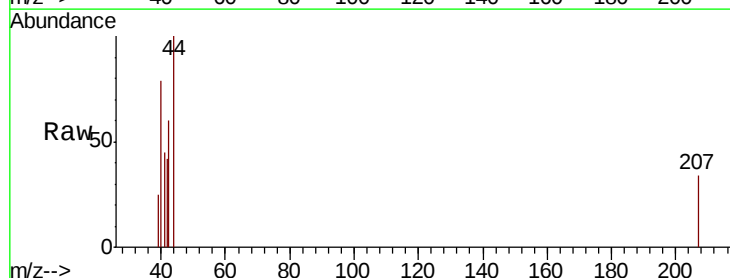
Tgt Ion: 42 Resp: 311

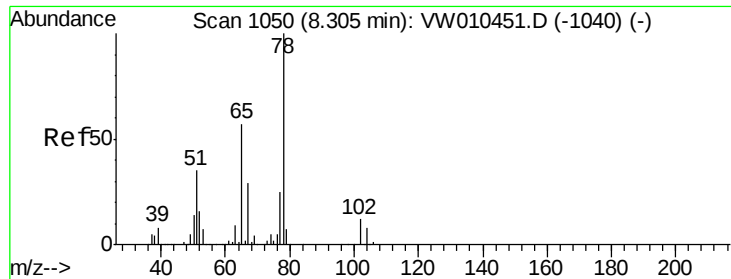
Ion Ratio Lower Upper

42 100

72 0.0 38.5 57.7#

71 0.0 36.5 54.7#

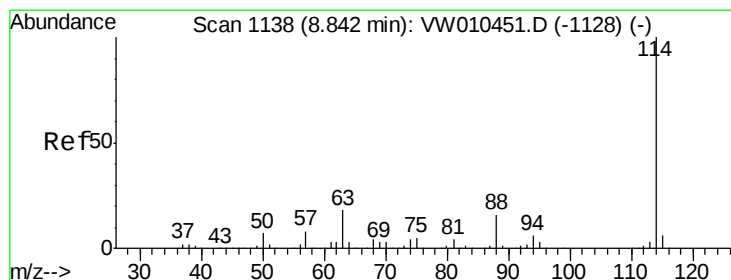
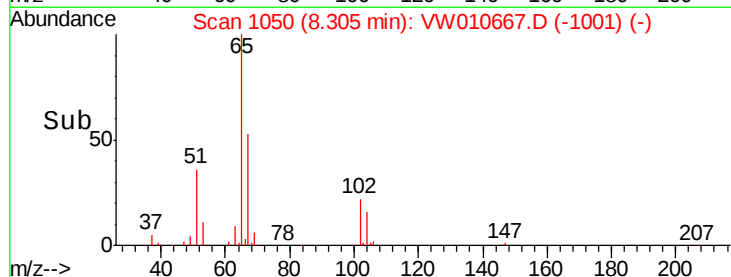
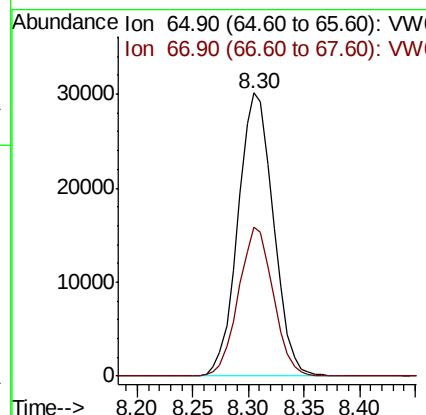
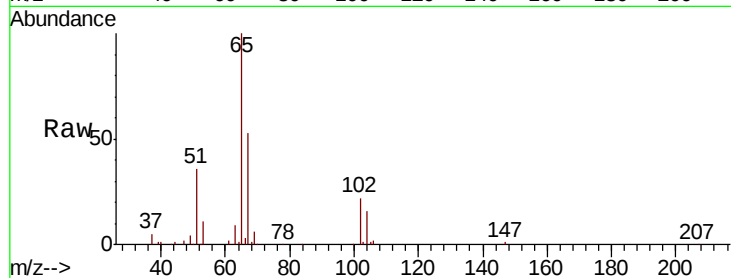




#33
 1,2-Dichloroethane-d4
 Concen: 51.053 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010667.D
 Acq: 03 Jun 2019 18:44

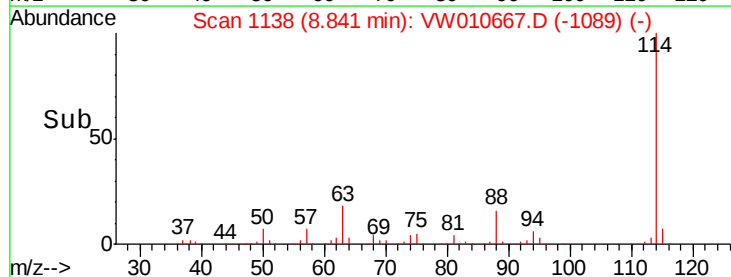
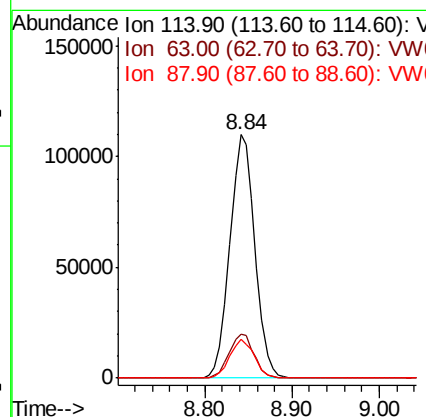
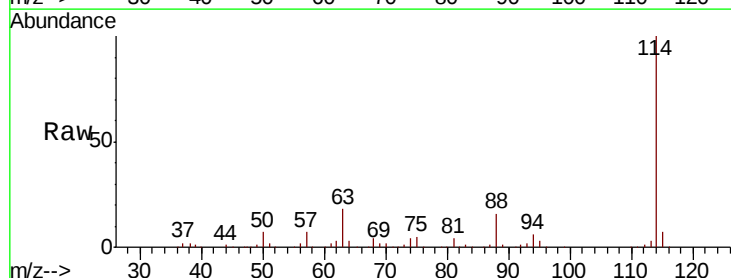
Instrument :
 MSVOA_W
 ClientSampleId :

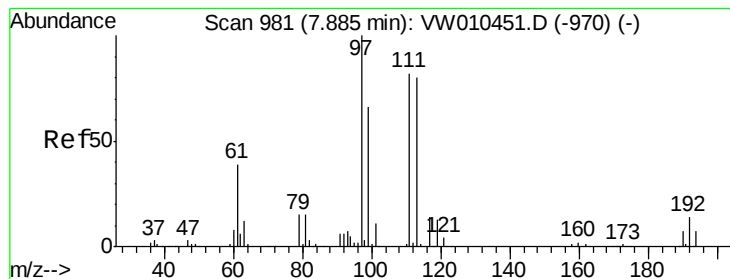
Tot Ion: 65 Resp: 66599
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010667.D
 Acq: 03 Jun 2019 18:44

Tgt Ion: 114 Resp: 218066
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.0
 88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.598 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW010667.D

Acq: 03 Jun 2019 18:44

Instrument :

MSVOA_W

ClientSampleId :

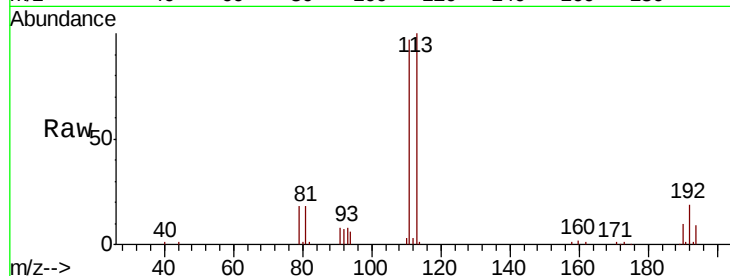
Tot Ion:113 Resp: 66951

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

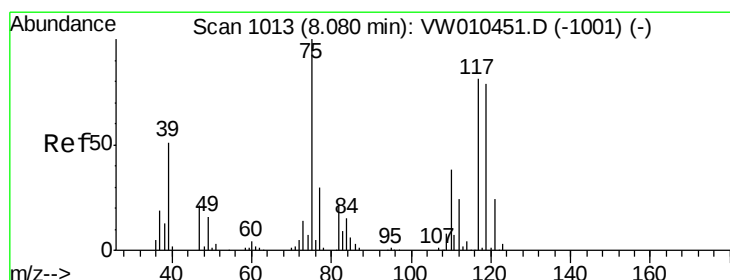
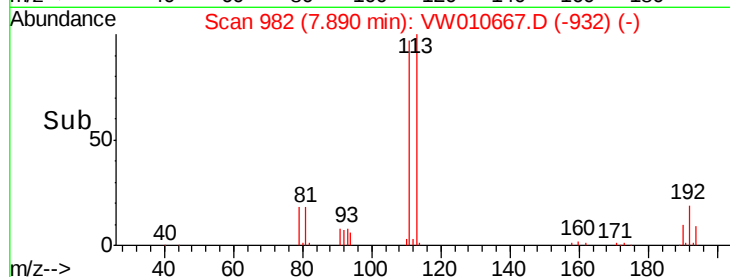
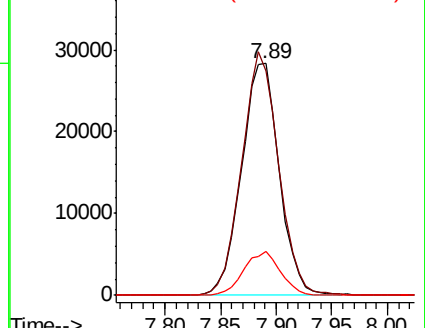
192 18.3 14.3 21.5



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: 4.432 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010667.D

Acq: 03 Jun 2019 18:44

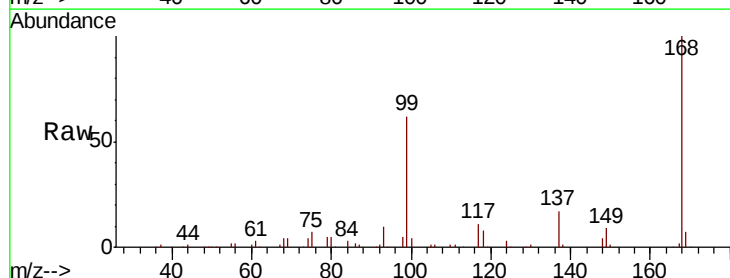
Tgt Ion: 75 Resp: 9003

Ion Ratio Lower Upper

75 100

110 9.5 19.2 57.6#

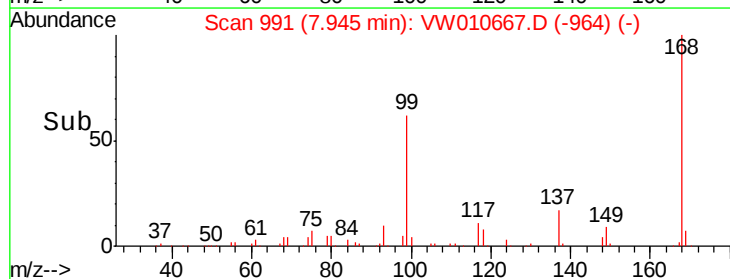
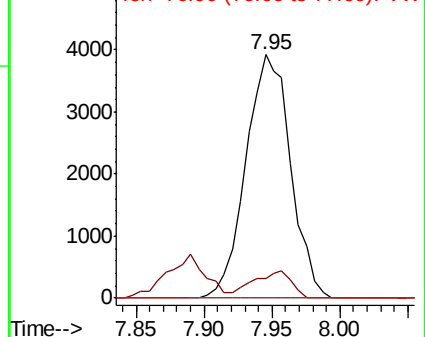
77 0.0 25.2 37.8#

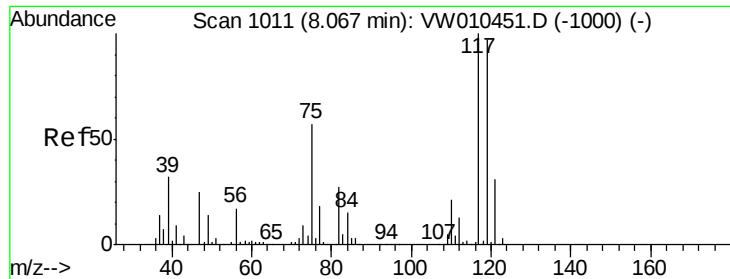


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

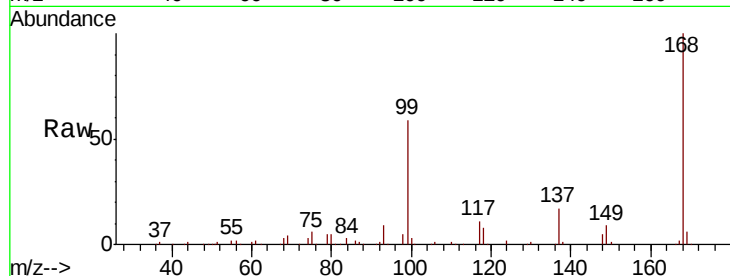




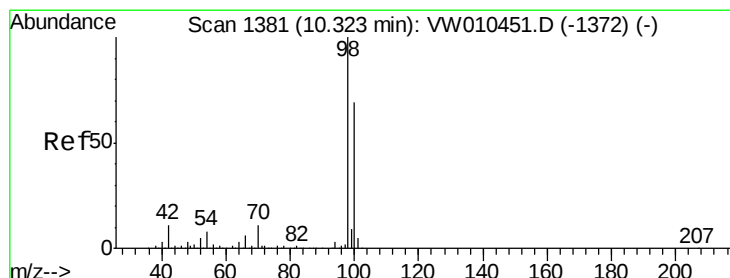
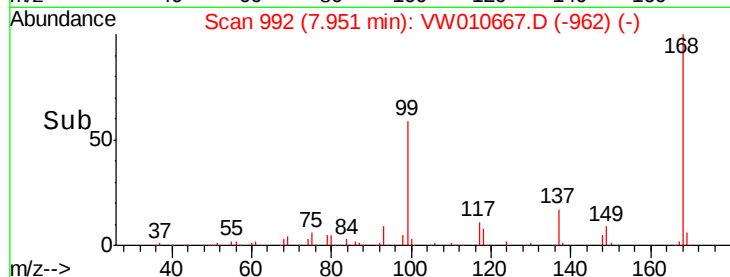
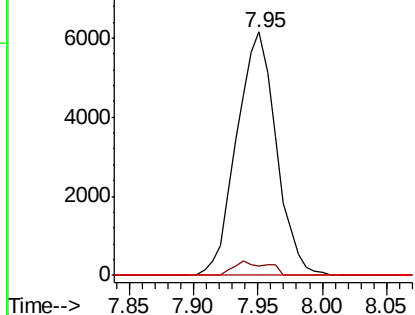
#38
Carbon Tetrachloride
Concen: 5.966 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW010667.D
Acq: 03 Jun 2019 18:44

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 13074
Ion Ratio Lower Upper
117 100
119 3.9 77.4 116.0#
121 0.0 25.0 37.6#

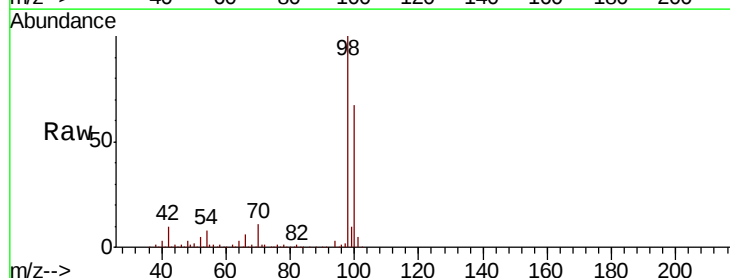


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

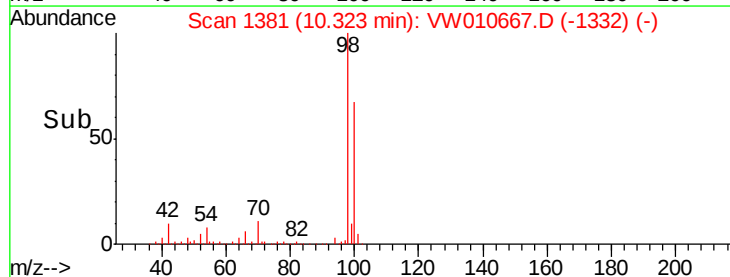
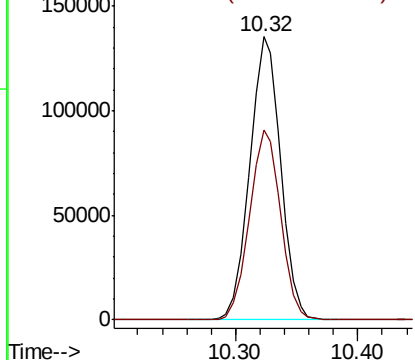


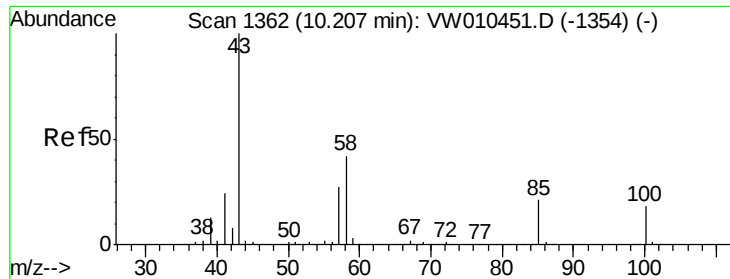
#50
Toluene-d8
Concen: 47.112 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010667.D
Acq: 03 Jun 2019 18:44

Tgt Ion: 98 Resp: 238143
Ion Ratio Lower Upper
98 100
100 67.7 53.7 80.5



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





#51

4-Methyl-2-Pentanone

Concen: 2.483 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010667.D

Acq: 03 Jun 2019 18:44

Instrument :

MSVOA_W

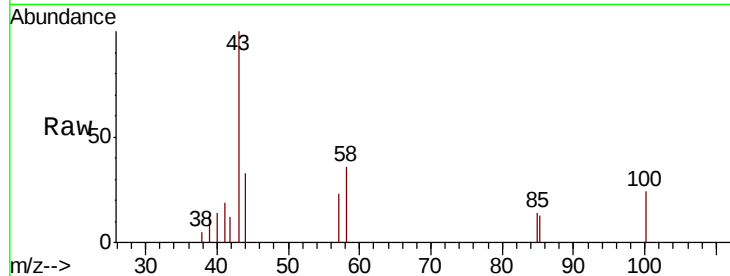
ClientSampled :

Tot Ion: 43 Resp: 2171

Ion Ratio Lower Upper

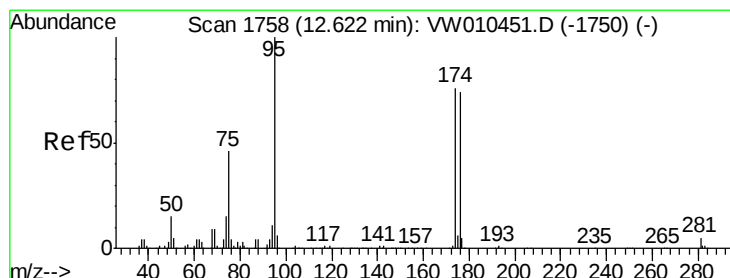
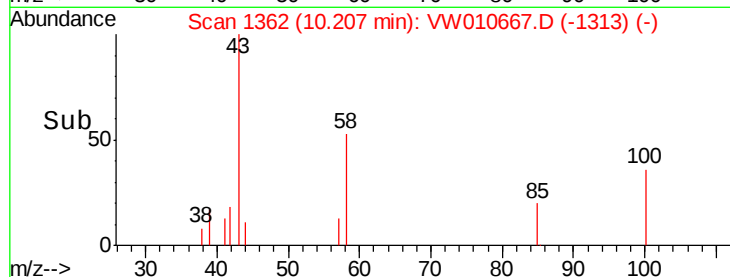
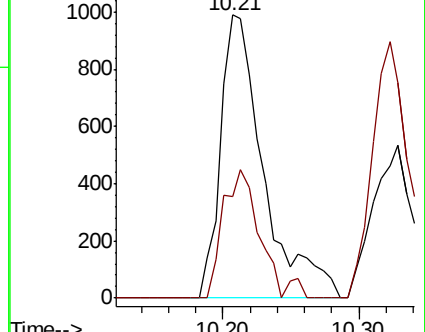
43 100

58 39.3 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 35.578 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010667.D

Acq: 03 Jun 2019 18:44

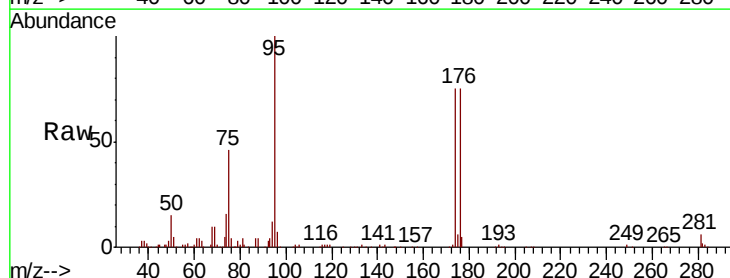
Tgt Ion: 95 Resp: 71634

Ion Ratio Lower Upper

95 100

174 74.7 0.0 148.6

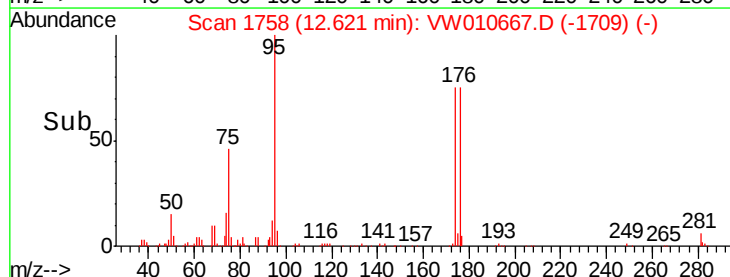
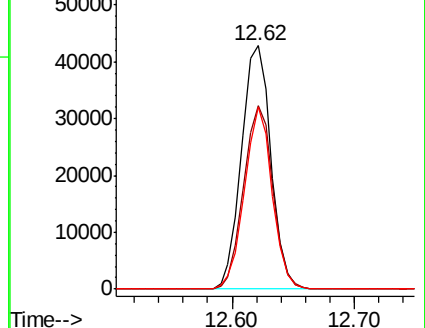
176 70.5 0.0 144.2

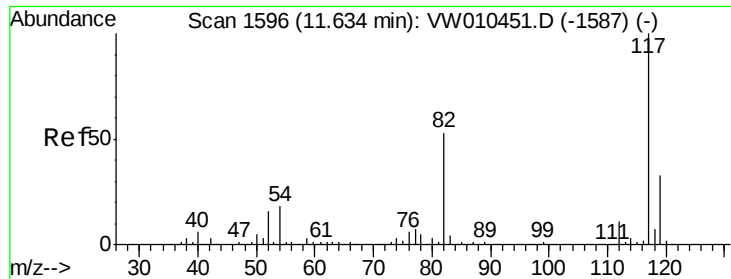


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

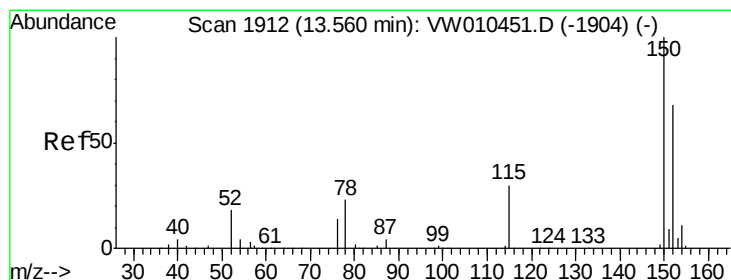
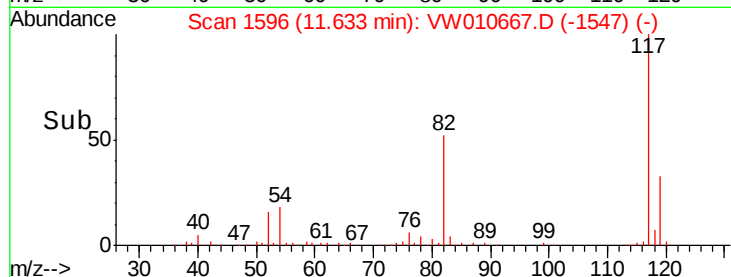
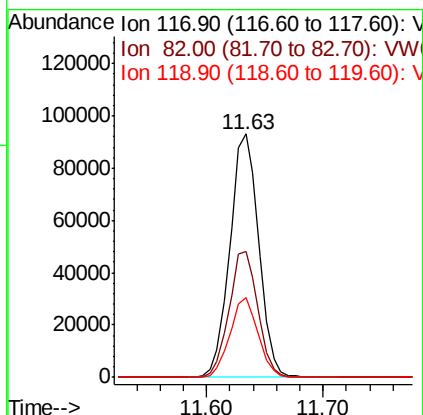
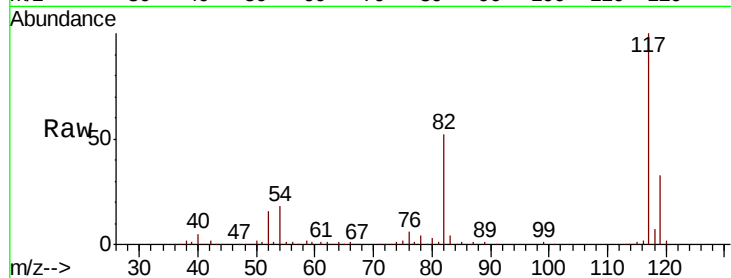




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010667.D
Acq: 03 Jun 2019 18:44

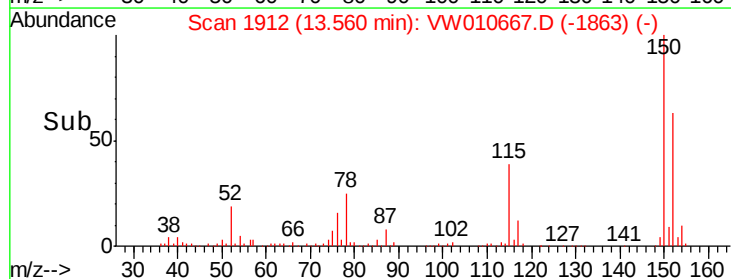
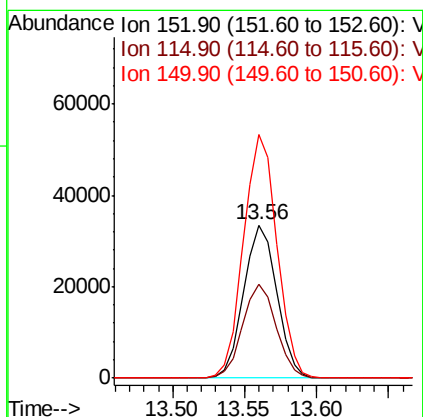
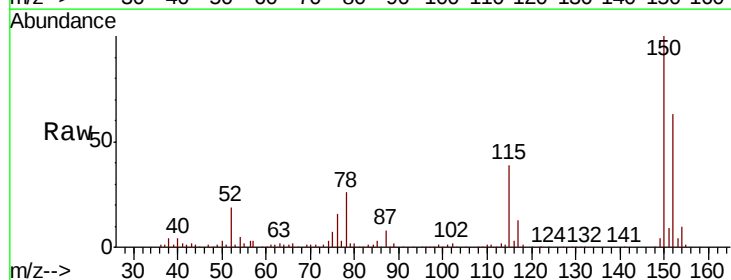
Instrument :
MSVOA_W
ClientSampleId :

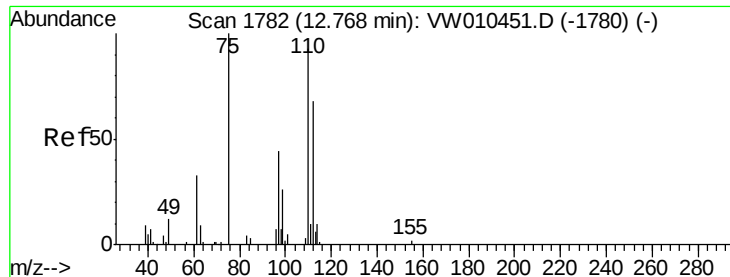
Tot Ion:117 Resp: 160335
Ion Ratio Lower Upper
117 100
82 51.5 42.8 64.2
119 32.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010667.D
Acq: 03 Jun 2019 18:44

Tgt Ion:152 Resp: 53470
Ion Ratio Lower Upper
152 100
115 62.6 30.3 91.0
150 159.7 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 61.313 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010667.D

Acq: 03 Jun 2019 18:44

Instrument :

MSVOA_W

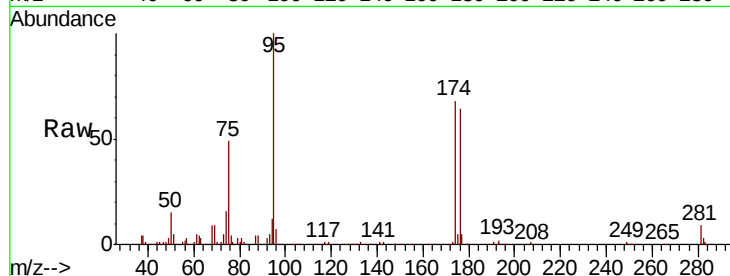
ClientSampleId :

Tot Ion: 75 Resp: 33278

Ion Ratio Lower Upper

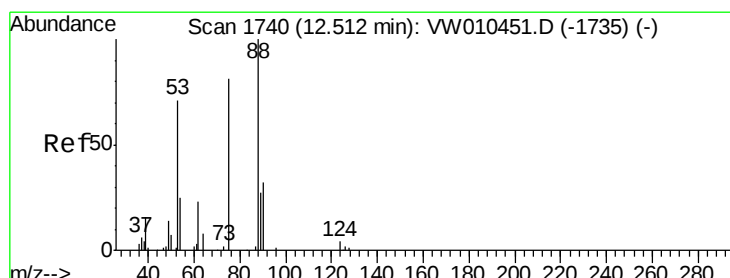
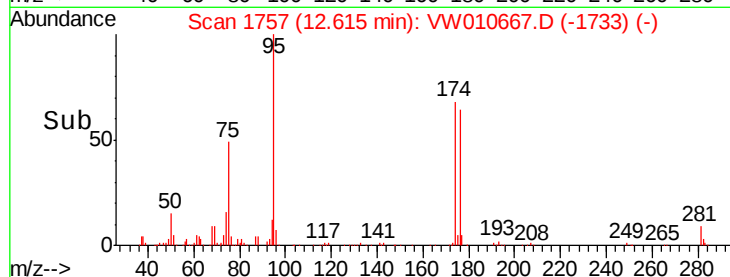
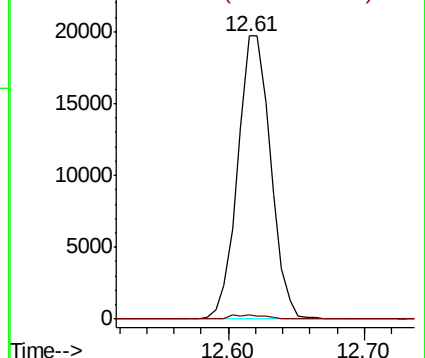
75 100

77 1.6 170.0 510.1#



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: 127.962 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW010667.D

Acq: 03 Jun 2019 18:44

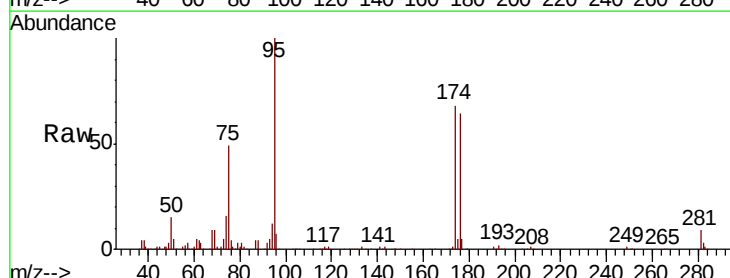
Tgt Ion: 75 Resp: 33278

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

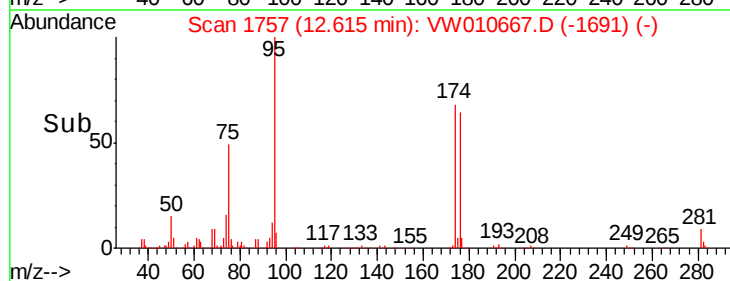
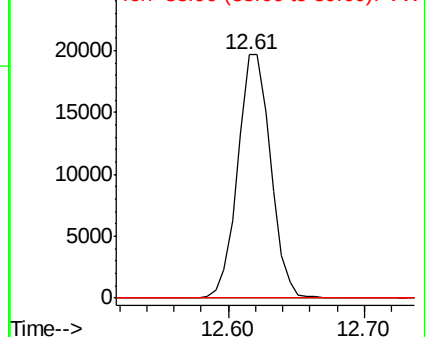
89 0.0 39.5 59.3#

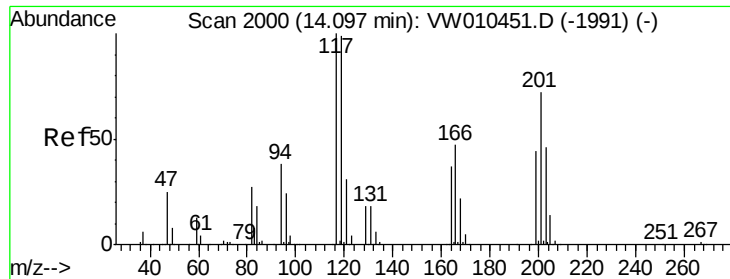


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#90

Hexachloroethane

Concen: 2.173 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW010667.D

Acq: 03 Jun 2019 18:44

Instrument :

MSVOA_W

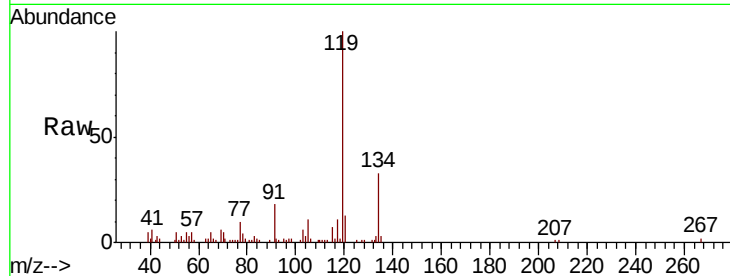
ClientSampleId :

Tot Ion:117 Resp: 1672

Ion Ratio Lower Upper

117 100

201 0.0 34.6 103.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.10

1200

1000

800

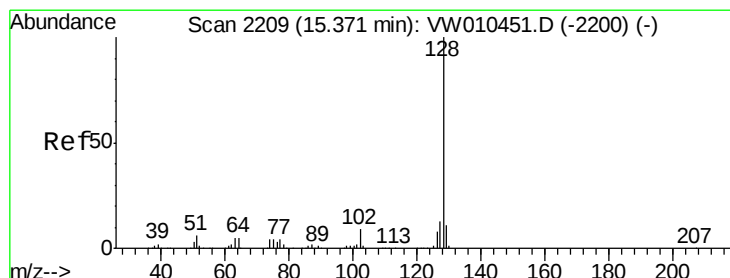
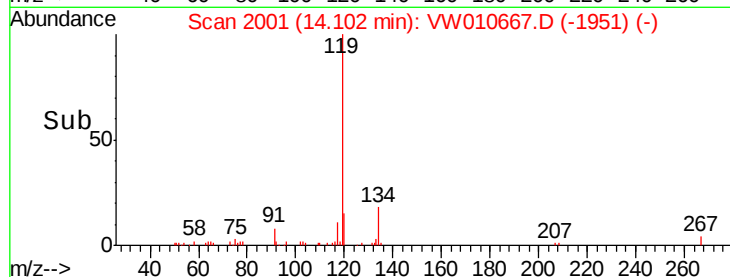
600

400

200

0

Time-->



#95

Naphthalene

Concen: 1.384 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010667.D

Acq: 03 Jun 2019 18:44

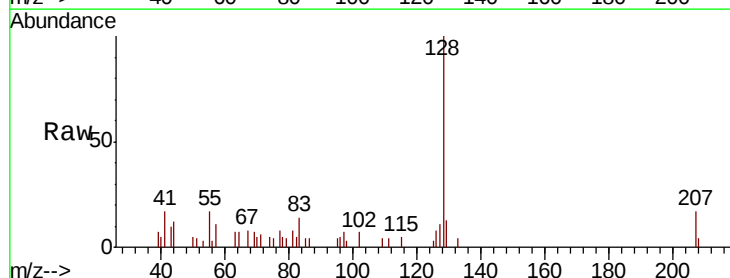
Tgt Ion:128 Resp: 3354

Ion Ratio Lower Upper

128 100

127 17.1 10.6 15.8#

129 11.9 8.9 13.3



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

2500

2000

1500

1000

500

0

Time-->

