

Data File : VW010637.D
Acq On : 31 May 2019 15:28
Operator : SY/VA
Sample : K3105-05
Misc : 5.71G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TRIANGLE

Quant Time: Jun 01 04:50:53 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	161216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	279479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	225878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	76717	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	85571	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	7.88	113	82247	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
50) Toluene-d8	10.32	98	330184	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.62	95	103120	39.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.92%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.18	59	414	2.766	ug/l #	71
16) Acetone	4.14	43	3406	10.028	ug/l	94
20) Methylene Chloride	4.92	84	4111	Below Cal		92
36) 1,1-Dichloropropene	7.95	75	11877	4.562	ug/l #	49
38) Carbon Tetrachloride	7.95	117	16288	5.800	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	1241	1.107	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	47875	61.479	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	47875	128.307	ug/l #	14
95) Naphthalene	15.37	128	17528	5.039	ug/l	99

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

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TRIANGLE

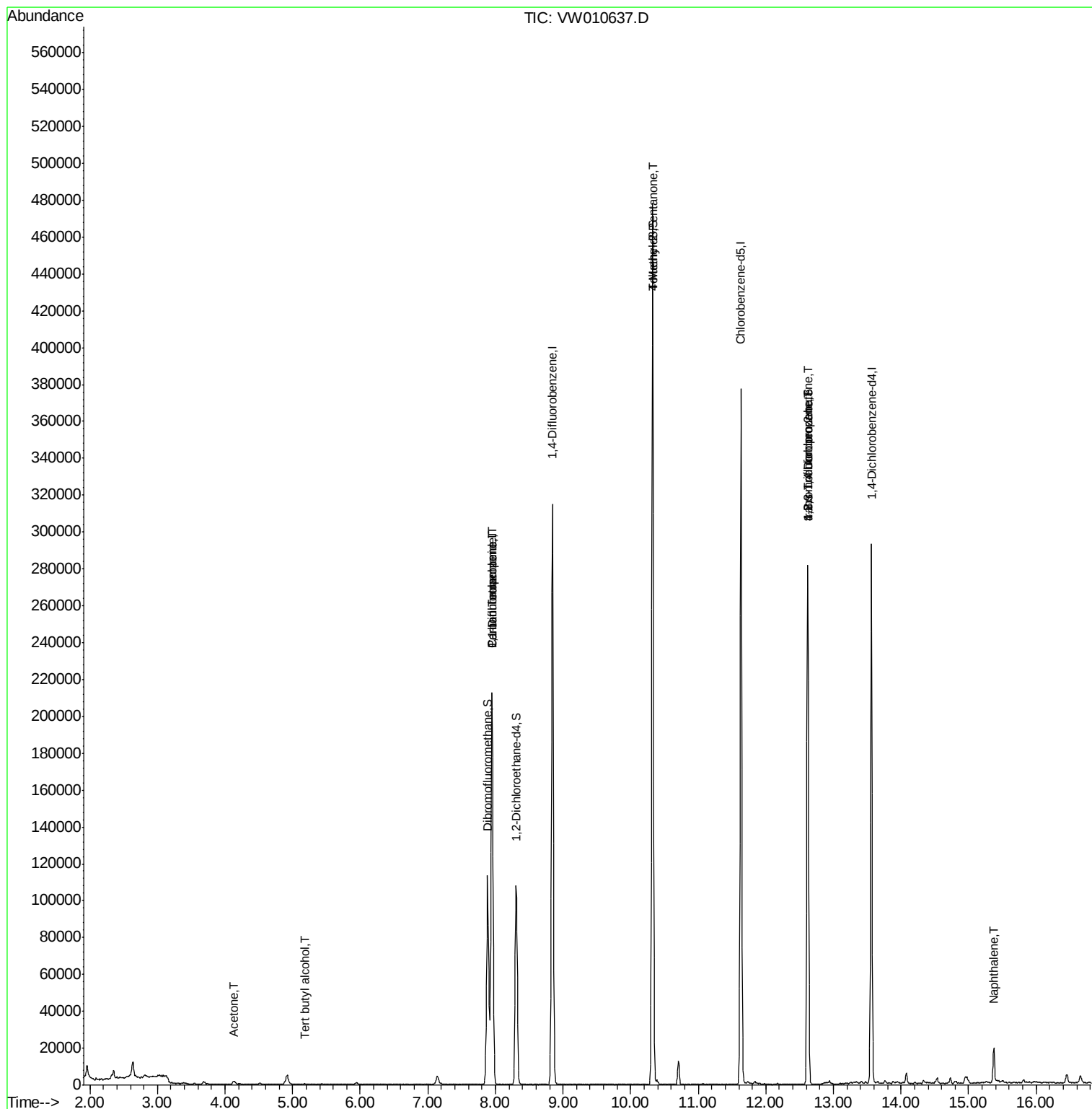
Quant Time: Jun 01 04:50:53 2019

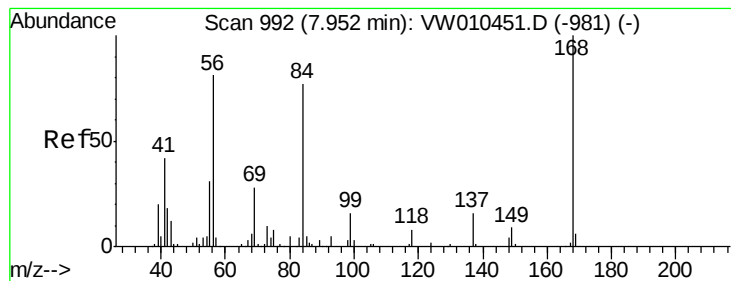
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W052019S.M

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: VW010637.D

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MSVOA_W

ClientSampleId :

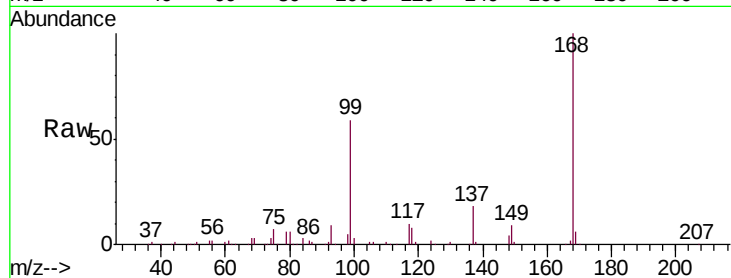
TRIANGLE

Tgt Ion: 168 Resp: 161216

Ion Ratio Lower Upper

168 100

99 59.1 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

80000

60000

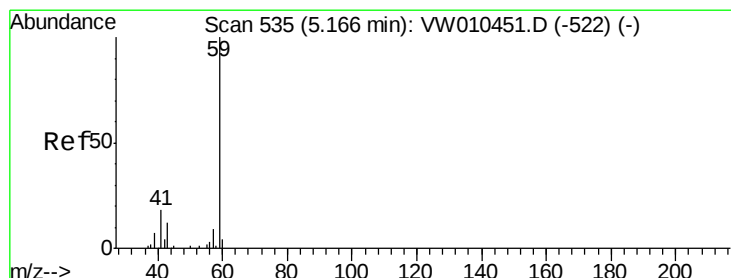
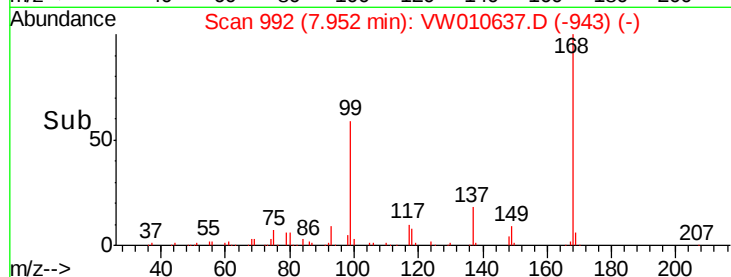
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 2.766 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW010637.D

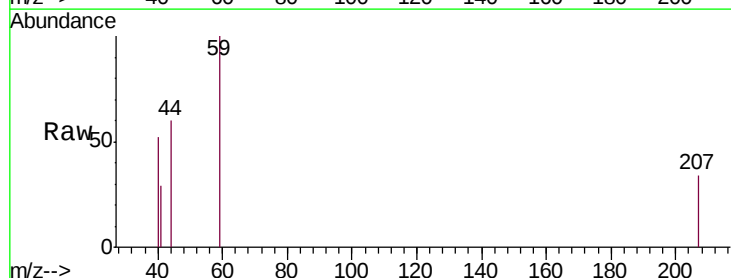
Acq: 31 May 2019 15:28

Tgt Ion: 59 Resp: 414

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

5.18

300

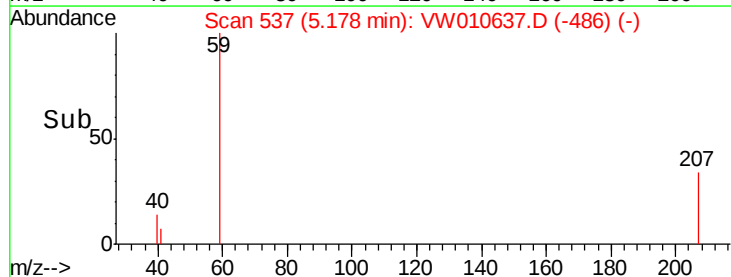
200

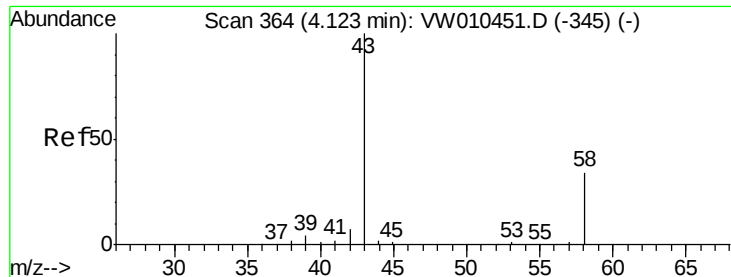
100

0

5.15 5.20

Time-->

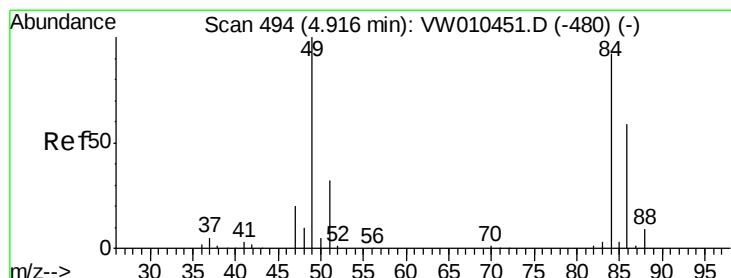
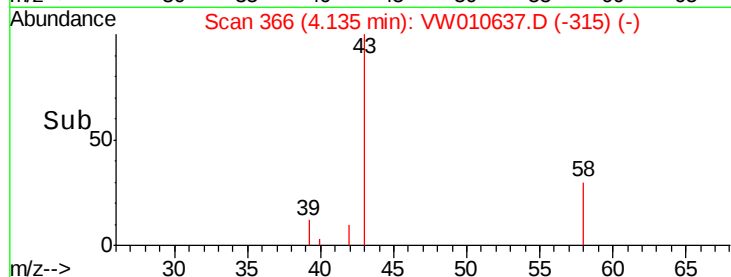
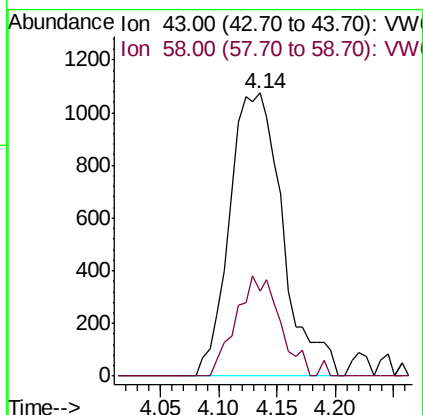
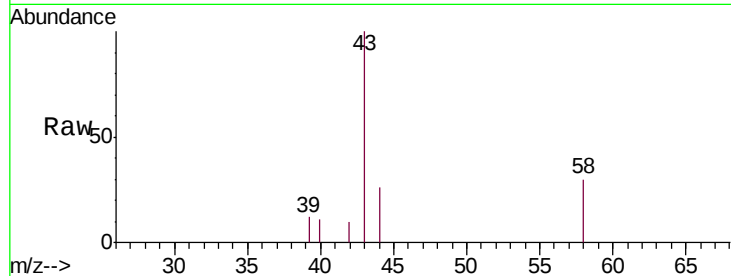




#16
Acetone
Concen: 10.028 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW010637.D
Acq: 31 May 2019 15:28

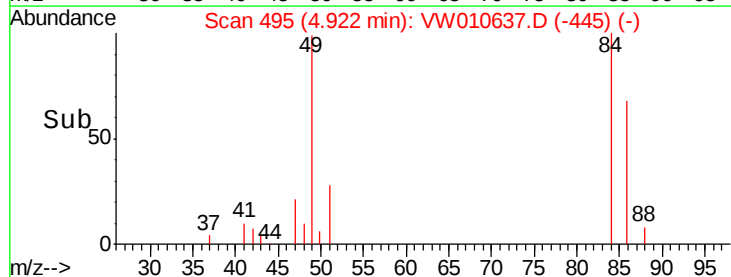
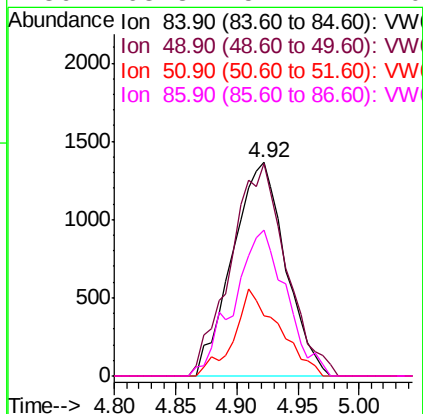
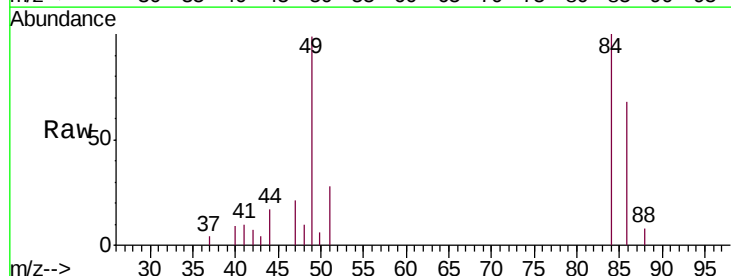
Instrument :
MSVOA_W
ClientSampleId :
TRIANGLE

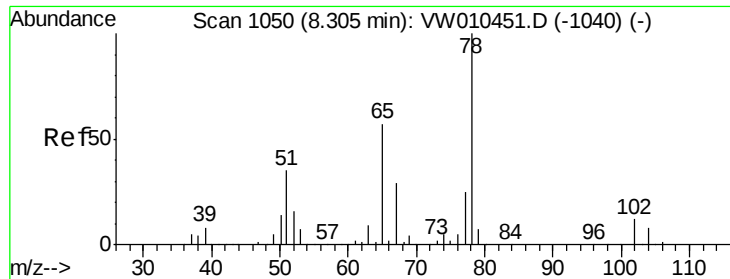
Tgt Ion: 43 Resp: 3406
Ion Ratio Lower Upper
43 100
58 30.1 27.0 40.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010637.D
Acq: 31 May 2019 15:28

Tgt Ion: 84 Resp: 4111
Ion Ratio Lower Upper
84 100
49 99.2 87.2 130.8
51 28.4 27.7 41.5
86 68.3 51.4 77.0

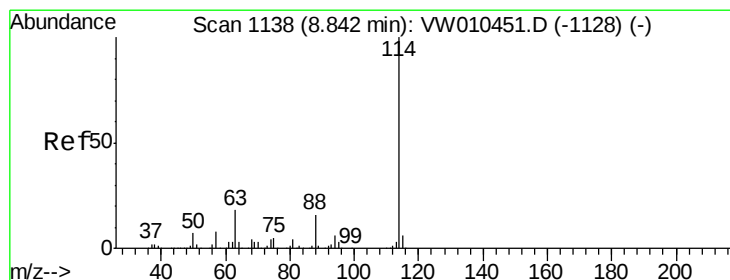
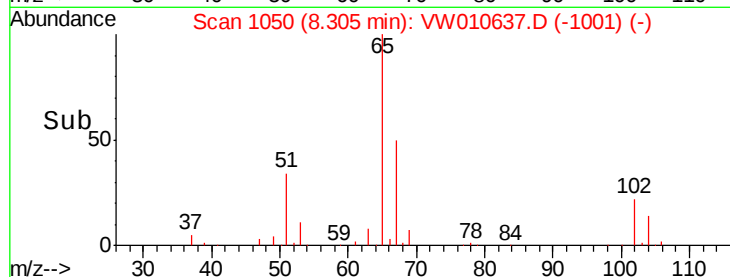
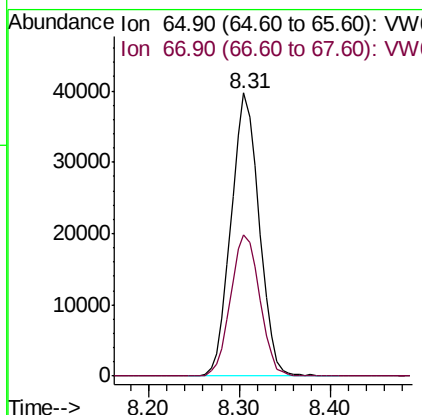
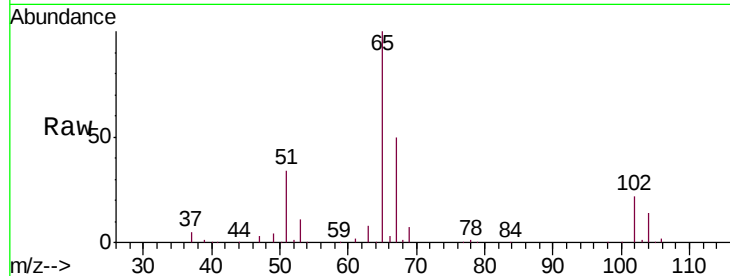




#33
 1,2-Dichloroethane-d4
 Concen: 51.424 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010637.D
 Acq: 31 May 2019 15:28

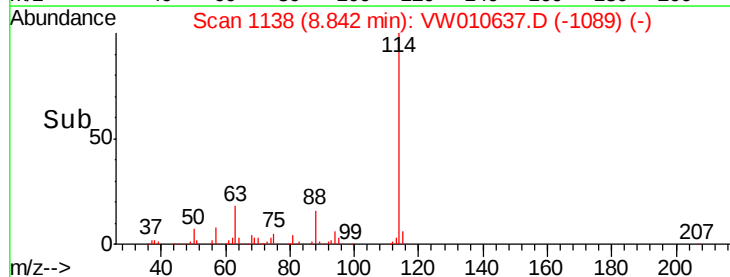
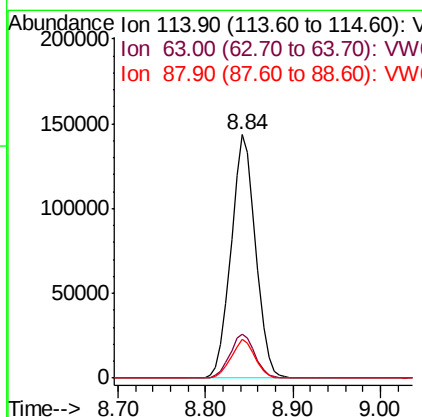
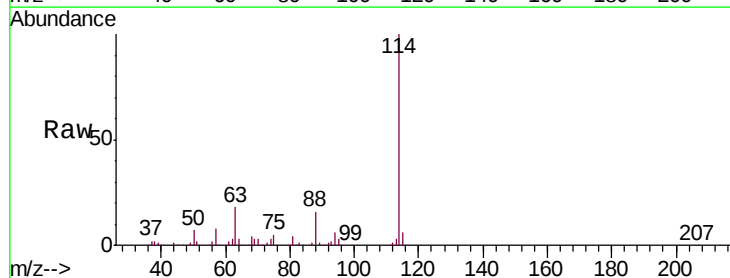
Instrument :
 MSVOA_W
 ClientSampleId :
 TRIANGLE

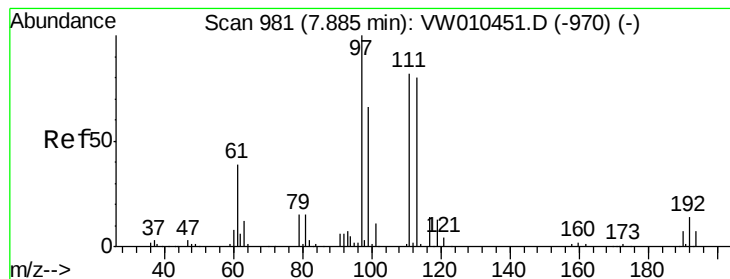
Tgt Ion: 65 Resp: 85571
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010637.D
 Acq: 31 May 2019 15:28

Tgt Ion: 114 Resp: 279479
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.0
 88 16.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.500 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010637.D

Acq: 31 May 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

TRIANGLE

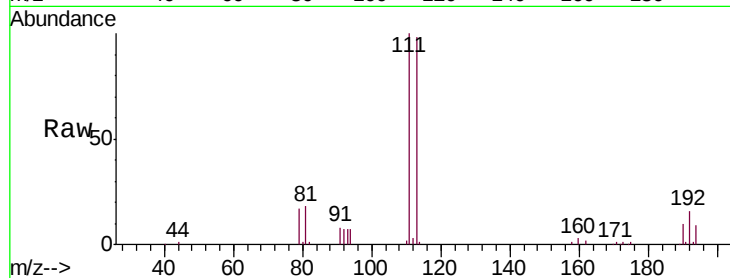
Tgt Ion:113 Resp: 82247

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

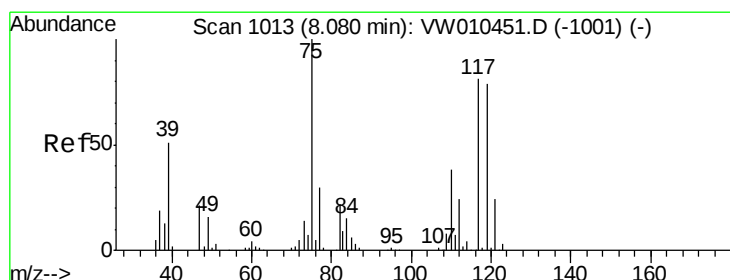
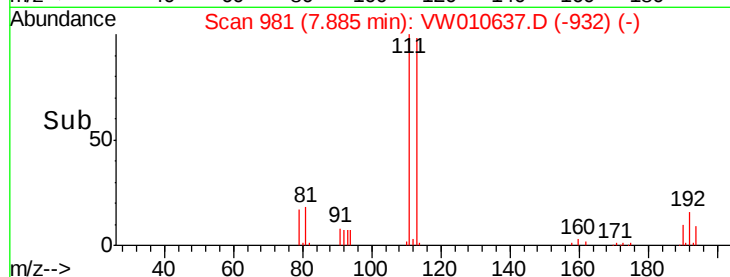
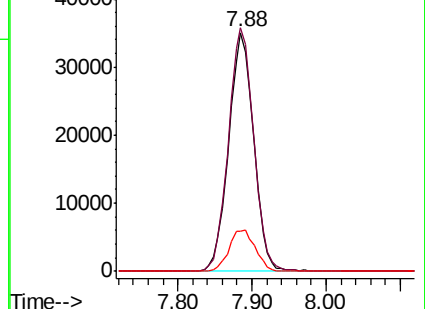
192 18.2 14.3 21.5



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: 4.562 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010637.D

Acq: 31 May 2019 15:28

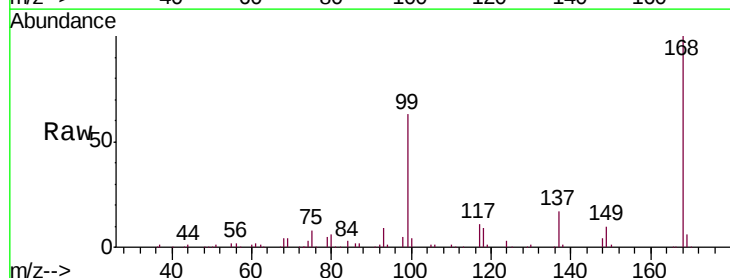
Tgt Ion: 75 Resp: 11877

Ion Ratio Lower Upper

75 100

110 10.1 19.2 57.6#

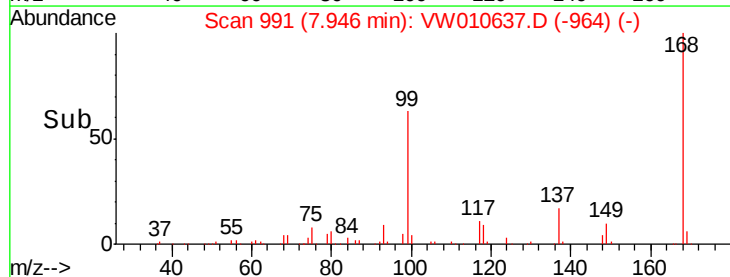
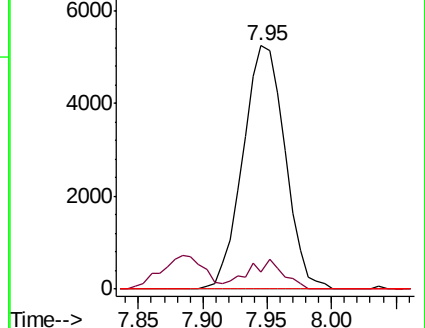
77 0.0 25.2 37.8#

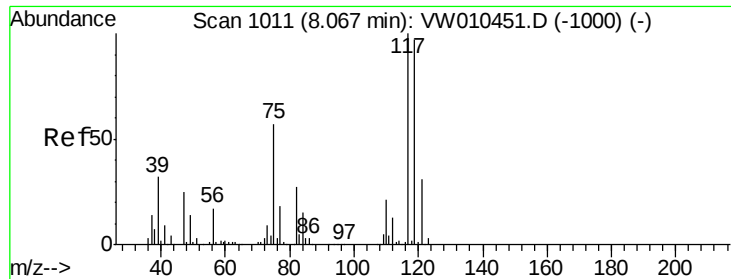


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.800 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW010637.D

Acq: 31 May 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

TRIANGLE

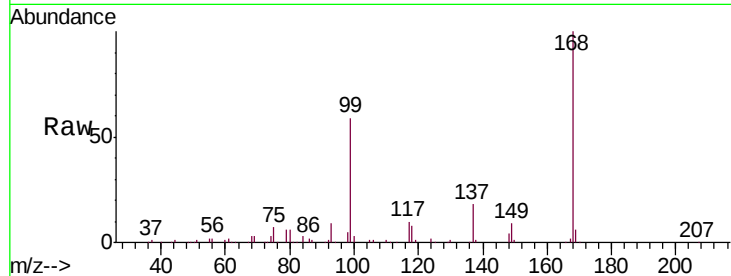
Tgt Ion:117 Resp: 16288

Ion Ratio Lower Upper

117 100

119 5.1 77.4 116.0#

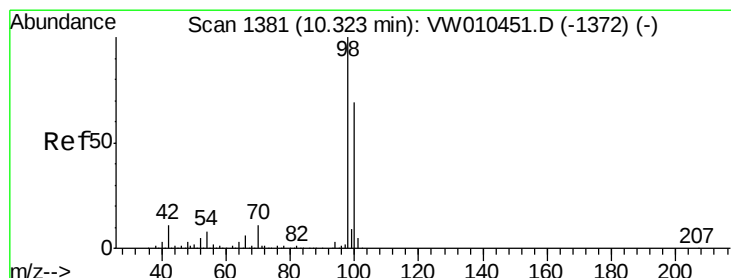
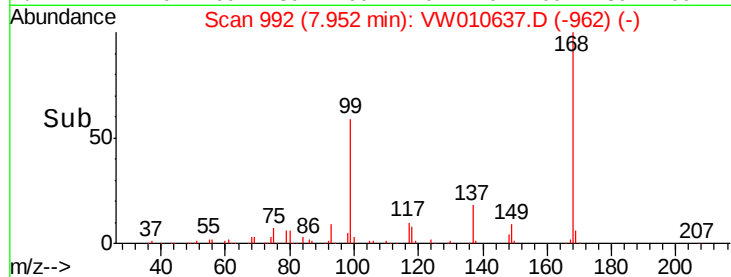
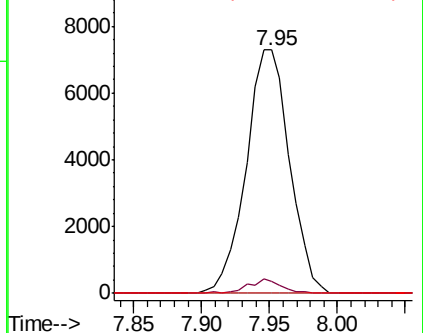
121 0.0 25.0 37.6#



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: 50.967 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010637.D

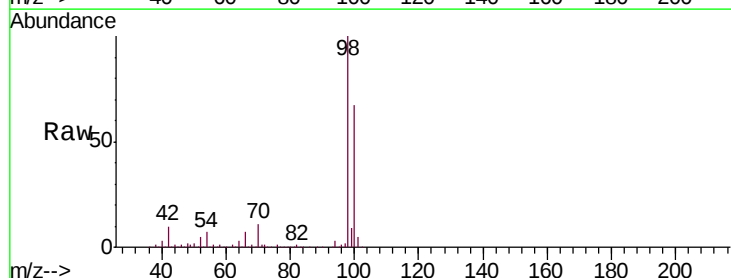
Acq: 31 May 2019 15:28

Tgt Ion: 98 Resp: 330184

Ion Ratio Lower Upper

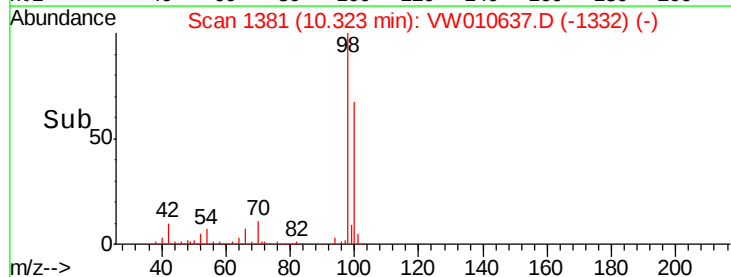
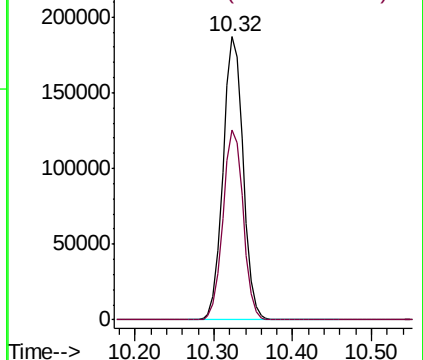
98 100

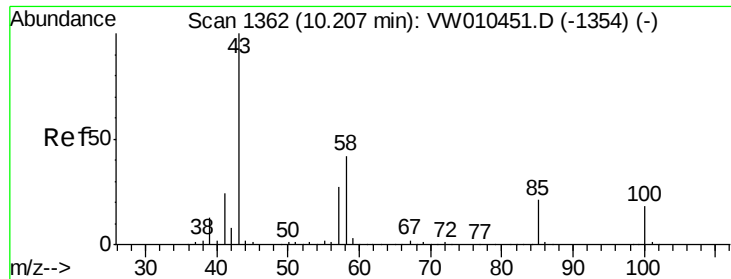
100 67.8 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

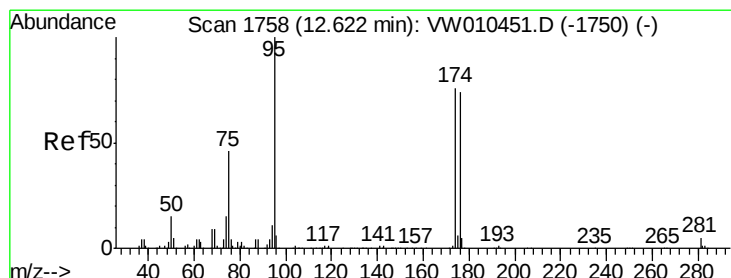
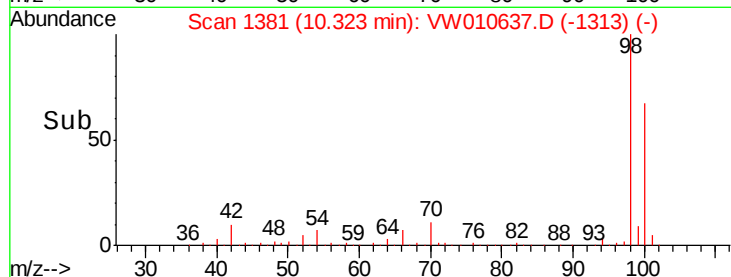
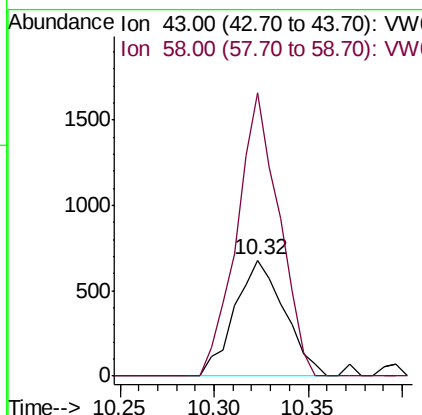
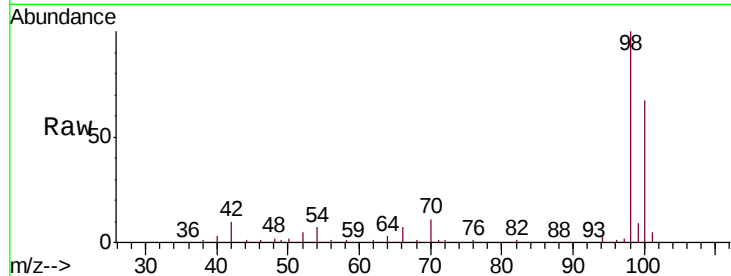




#51
 4-Methyl-2-Pentanone
 Concen: 1.107 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.12 min
 Lab File: VW010637.D
 Acq: 31 May 2019 15:28

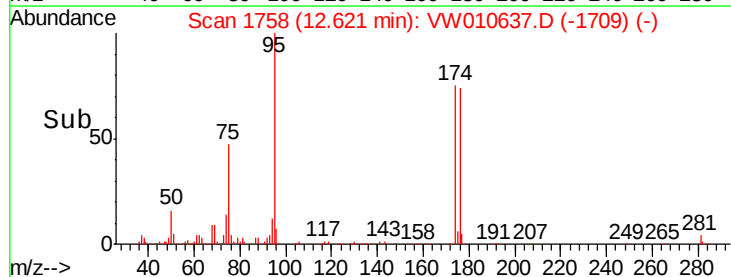
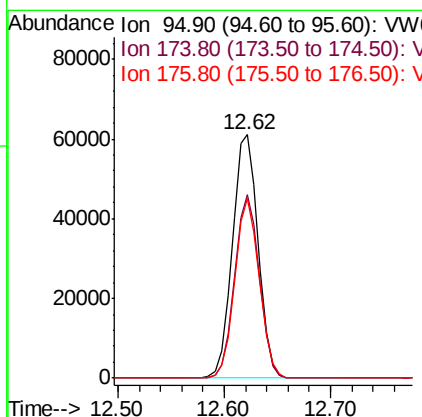
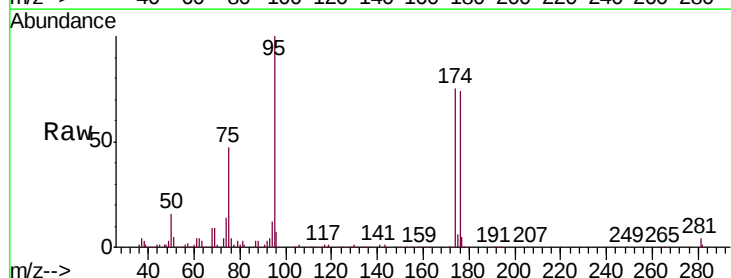
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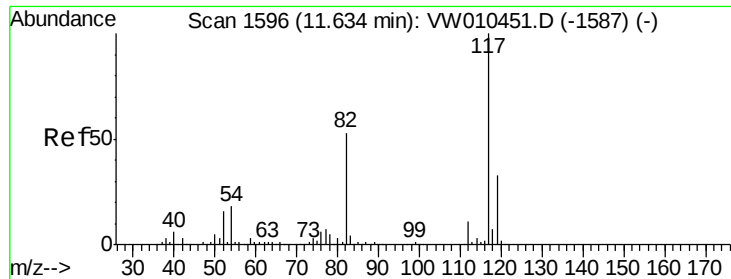
Tgt Ion: 43 Resp: 1241
 Ion Ratio Lower Upper
 43 100
 58 208.0 33.2 49.8#



#62
 4-Bromofluorobenzene
 Concen: 39.962 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010637.D
 Acq: 31 May 2019 15:28

Tgt Ion: 95 Resp: 103120
 Ion Ratio Lower Upper
 95 100
 174 72.8 0.0 148.6
 176 70.5 0.0 144.2

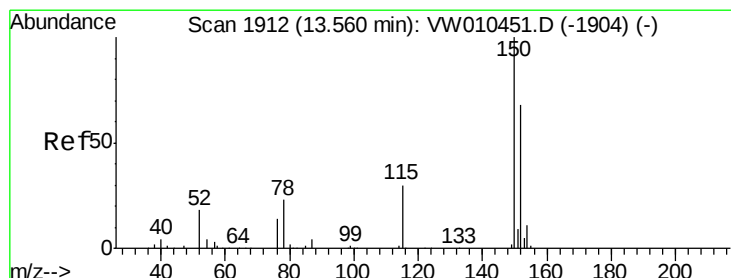
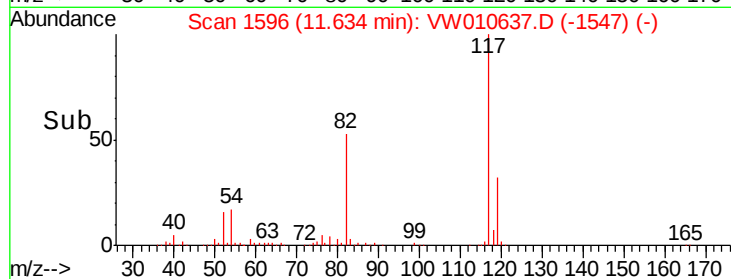
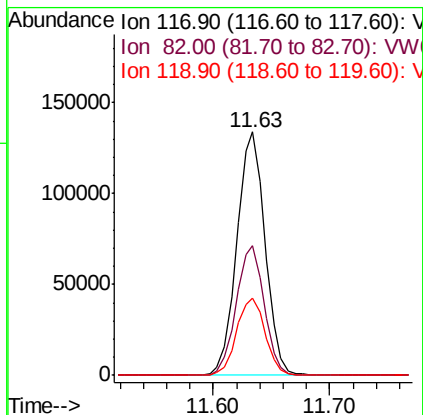
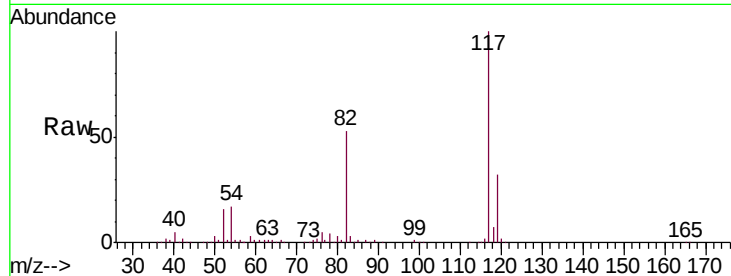




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010637.D
Acq: 31 May 2019 15:28

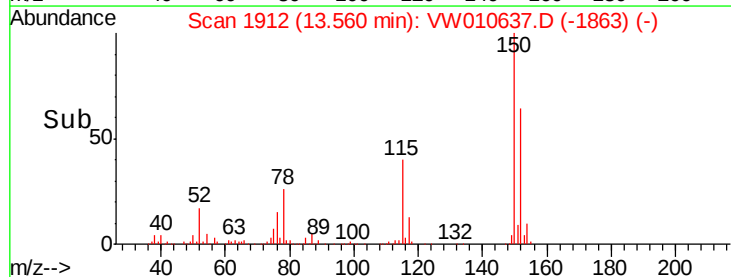
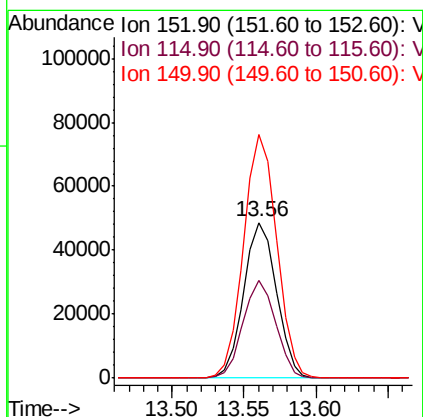
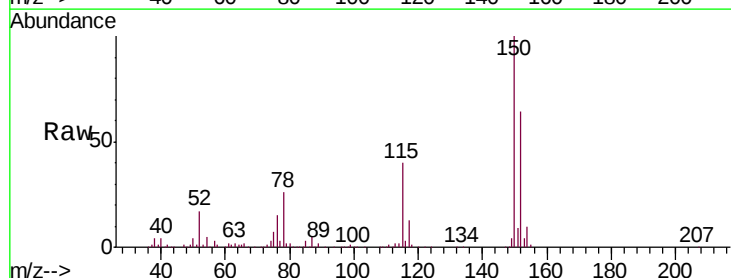
Instrument :
MSVOA_W
ClientSampleId :
TRIANGLE

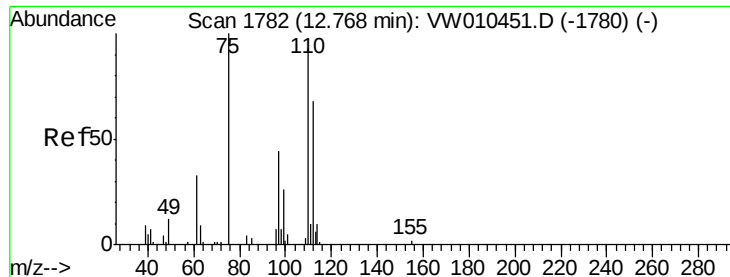
Tgt Ion:117 Resp: 225878
Ion Ratio Lower Upper
117 100
82 53.1 42.8 64.2
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010637.D
Acq: 31 May 2019 15:28

Tgt Ion:152 Resp: 76717
Ion Ratio Lower Upper
152 100
115 62.6 30.3 91.0
150 158.2 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 61.479 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010637.D

Acq: 31 May 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

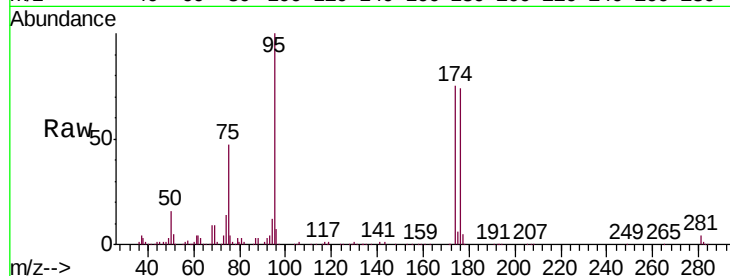
TRIANGLE

Tgt Ion: 75 Resp: 47875

Ion Ratio Lower Upper

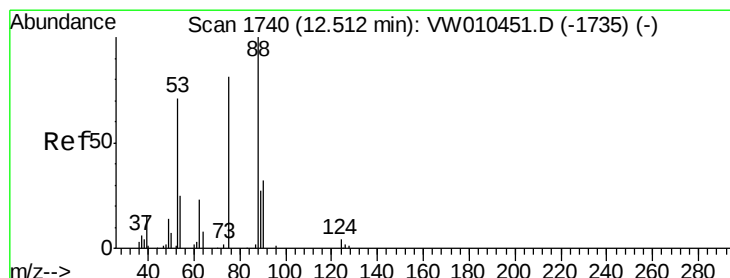
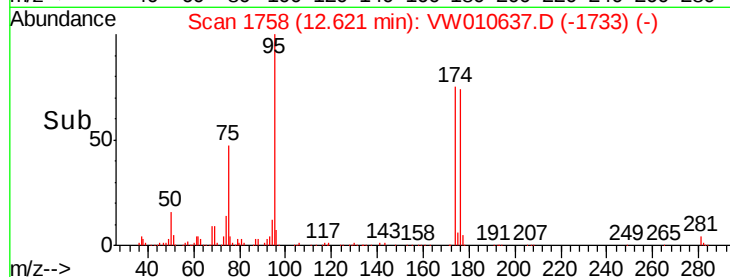
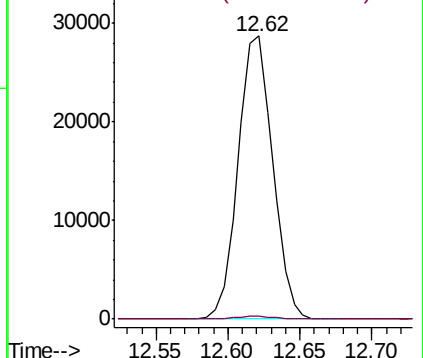
75 100

77 0.9 170.0 510.1#



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: 128.307 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010637.D

Acq: 31 May 2019 15:28

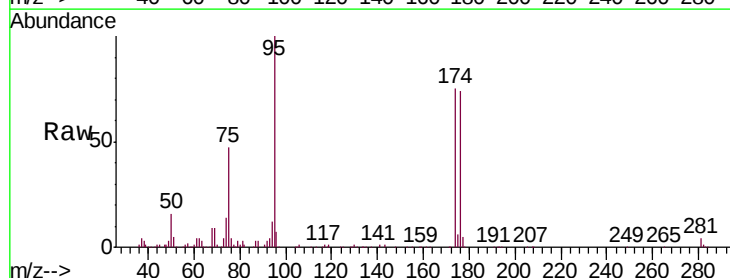
Tgt Ion: 75 Resp: 47875

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

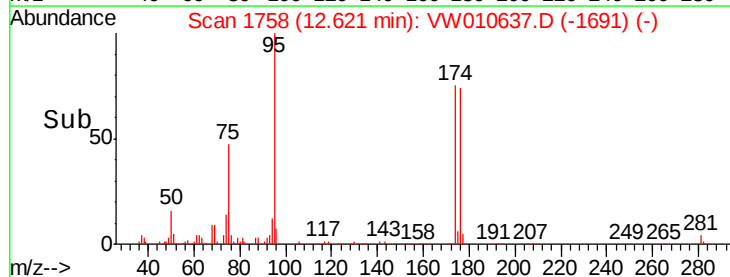
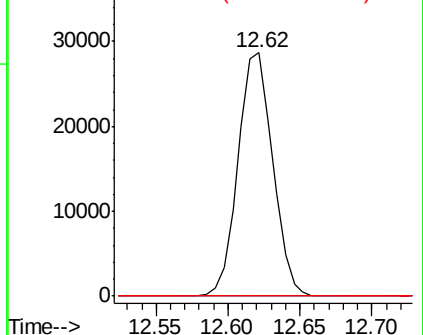
89 0.0 39.5 59.3#

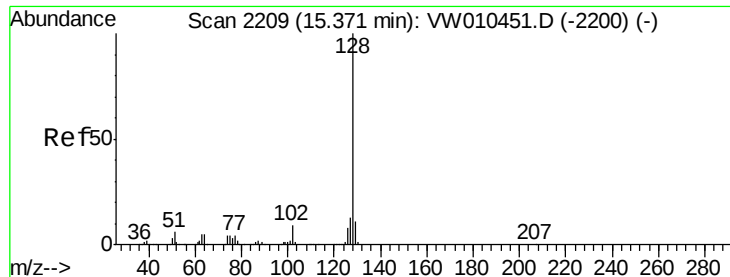


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 5.039 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010637.D

Acq: 31 May 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

TRIANGLE

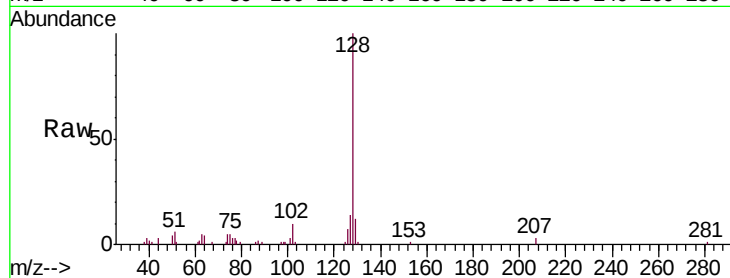
Tgt Ion:128 Resp: 17528

Ion Ratio Lower Upper

128 100

127 13.6 10.6 15.8

129 10.8 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

