

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062520\
 Data File : VW015723.D
 Acq On : 25 Jun 2020 12:46
 Operator : SY/VA
 Sample : L2818-07RE
 Misc : 5.93G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-062320

Quant Time: Jun 26 01:39:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 13:20:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	172054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	292472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	255277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	108991	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	100347	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
35) Dibromofluoromethane	7.88	113	87909	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
50) Toluene-d8	10.33	98	352859	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.62	95	115381	43.27	ug/l	0.00
Spiked Amount			Recovery	=	86.54%	

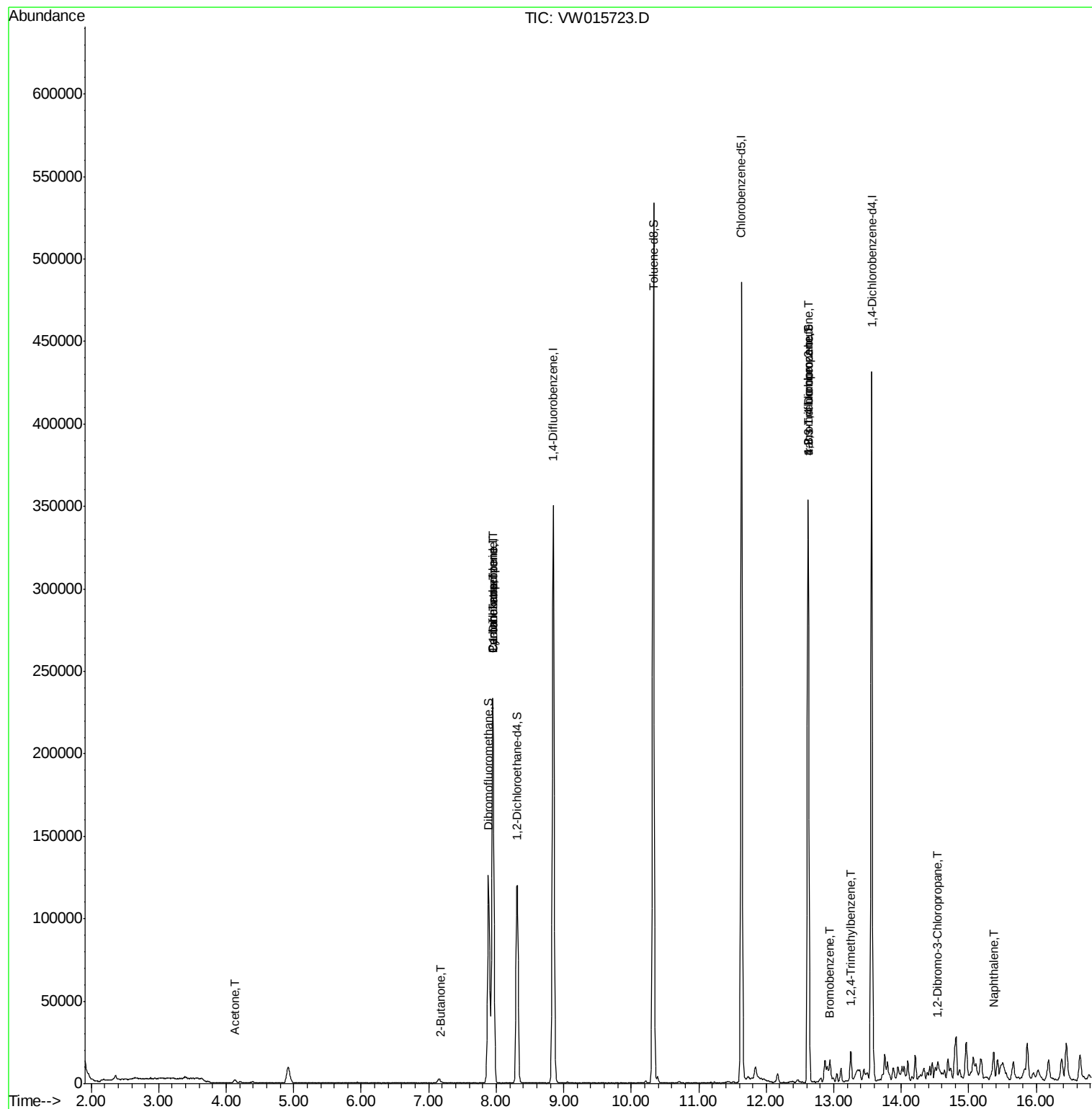
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	46	Below Cal	#	72
16) Acetone	4.13	43	3790	10.414	ug/l	99
18) Methyl Acetate	4.67	43	42	Below Cal	#	52
20) Methylene Chloride	4.91	84	7872	Below Cal		98
25) 2-Butanone	7.18	43	676	1.374	ug/l #	49
31) Cyclohexane	7.95	56	4183	1.269	ug/l #	11
36) 1,1-Dichloropropene	7.95	75	14295	4.699	ug/l #	50
38) Carbon Tetrachloride	7.95	117	17443	5.915	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	63228	63.599	ug/l #	1
77) Bromobenzene	12.93	156	6221	3.356	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	63228	160.272	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.25	105	9894	1.408	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.54	75	429	2.014	ug/l #	3
95) Naphthalene	15.37	128	12962	3.729	ug/l #	97

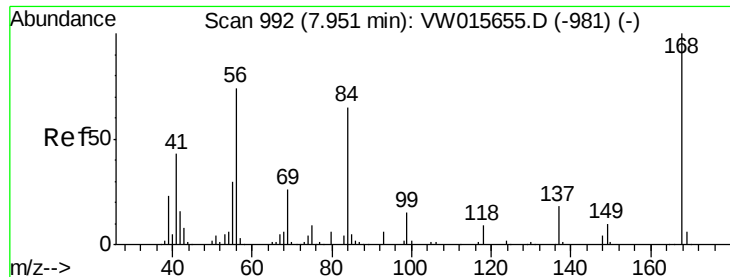
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015723.D

Acq: 25 Jun 2020 12:46

Instrument :

MSVOA_W

ClientSampled :

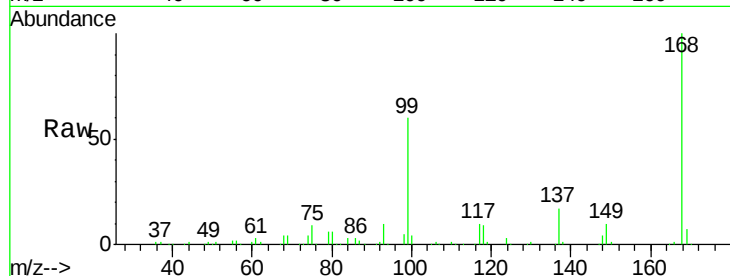
TR-05-062320

Tot Ion:168 Resp: 172054

Ion Ratio Lower Upper

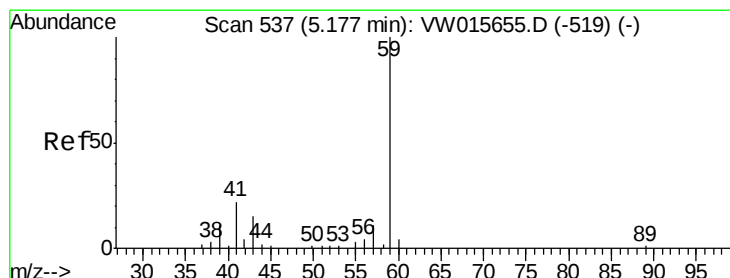
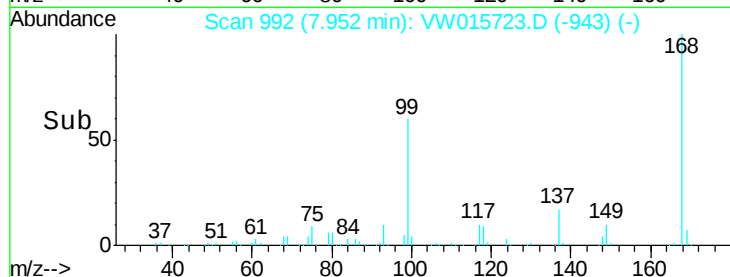
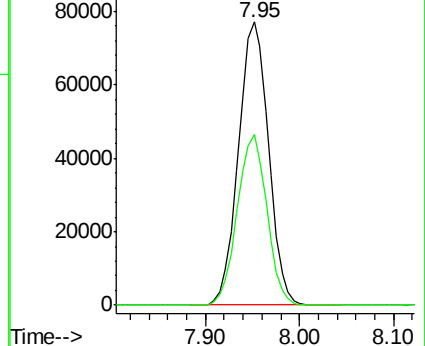
168 100

99 60.4 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 536

Delta R.T. -0.01 min

Lab File: VW015723.D

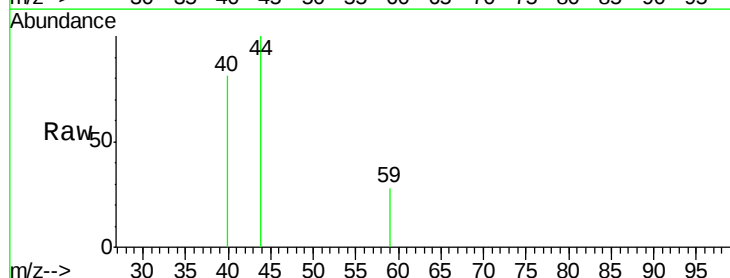
Acq: 25 Jun 2020 12:46

Tgt Ion: 59 Resp: 46

Ion Ratio Lower Upper

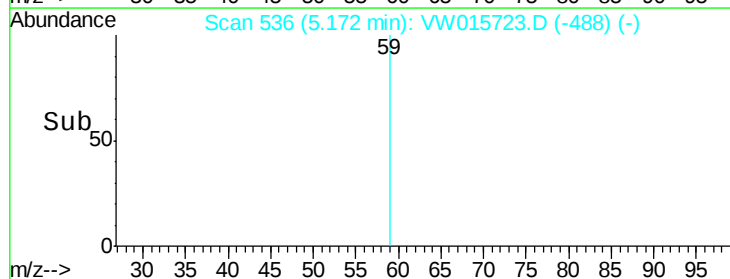
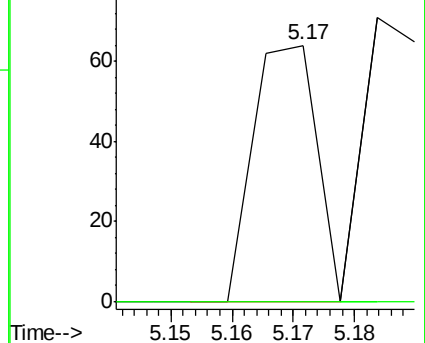
59 100

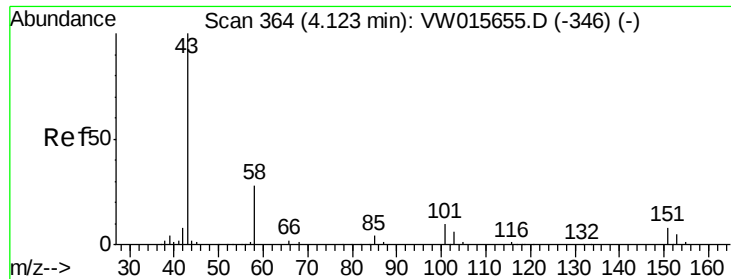
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 10.414 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015723.D

Acq: 25 Jun 2020 12:46

Instrument :

MSVOA_W

ClientSampled :

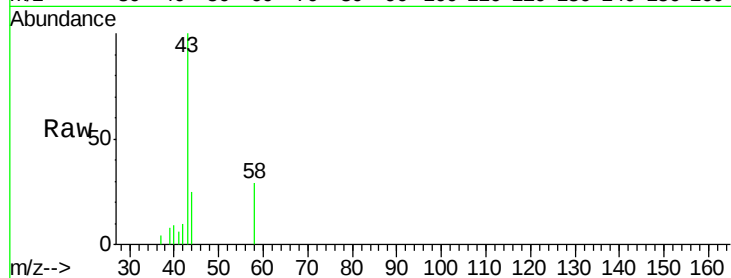
TR-05-062320

Tot Ion: 43 Resp: 3790

Ion Ratio Lower Upper

43 100

58 28.5 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

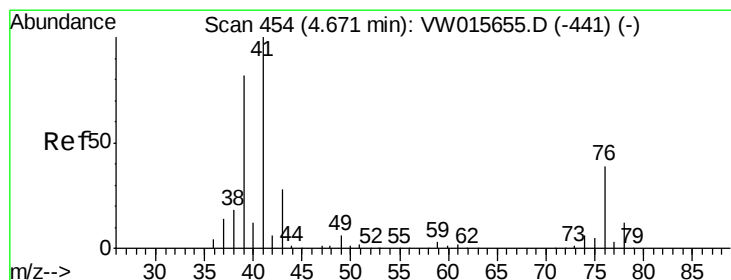
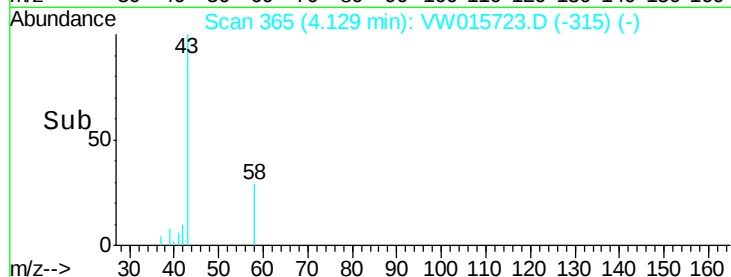
1500

1000

500

0

Time--> 4.00 4.10 4.20



#18

Methyl Acetate

Concen: Below Cal

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015723.D

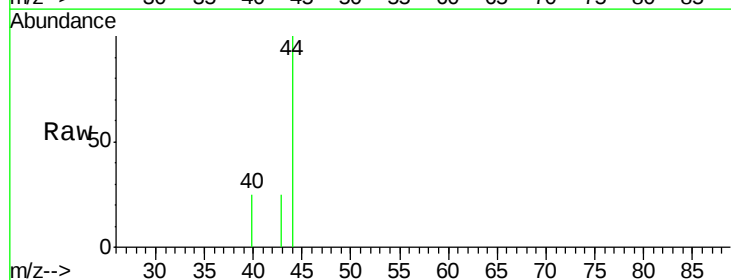
Acq: 25 Jun 2020 12:46

Tgt Ion: 43 Resp: 42

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

100

80

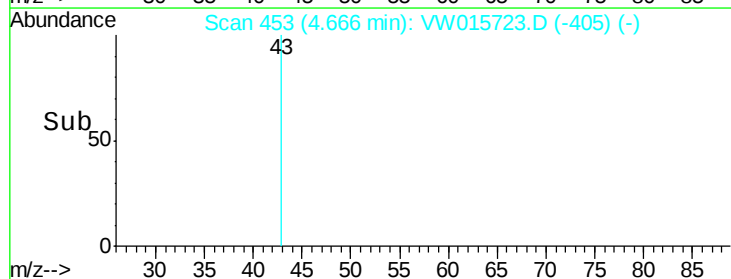
60

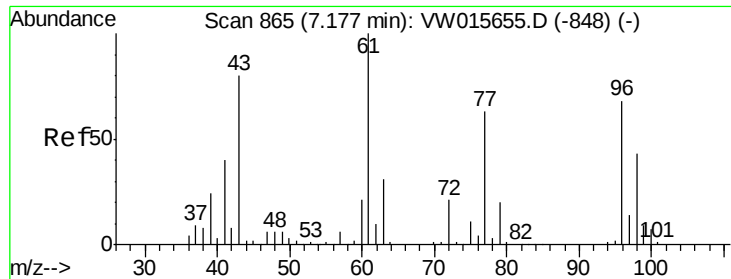
40

20

0

Time--> 4.64 4.65 4.66 4.67 4.68

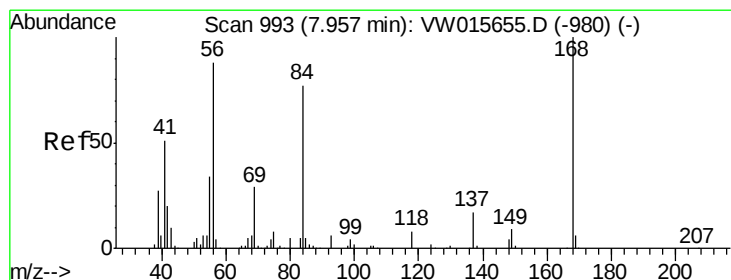
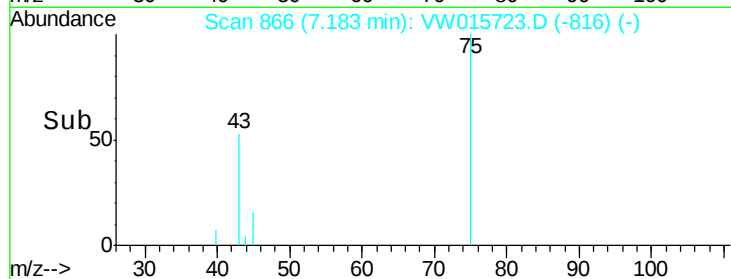
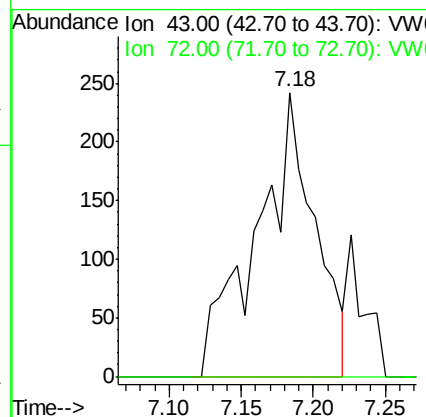
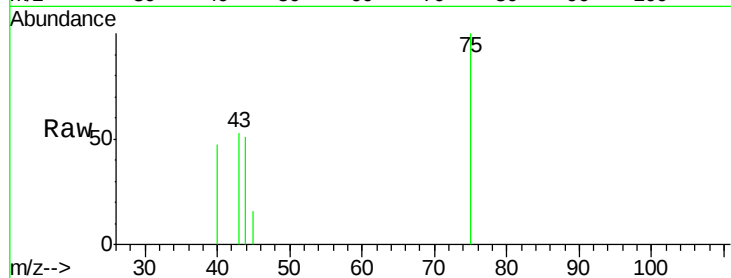




#25
 2-Butanone
 Concen: 1.374 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW015723.D
 Acq: 25 Jun 2020 12:46

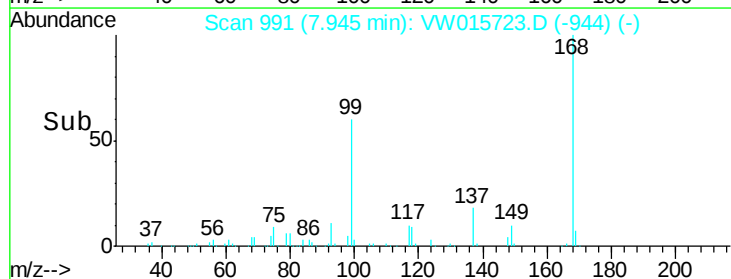
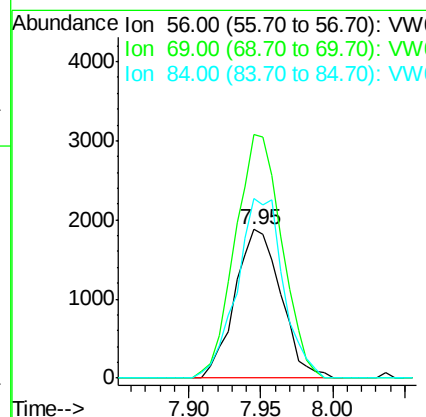
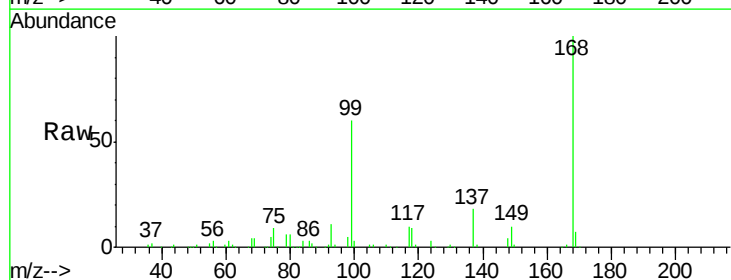
Instrument :
 MSVOA_W
 ClientSampled :
 TR-05-062320

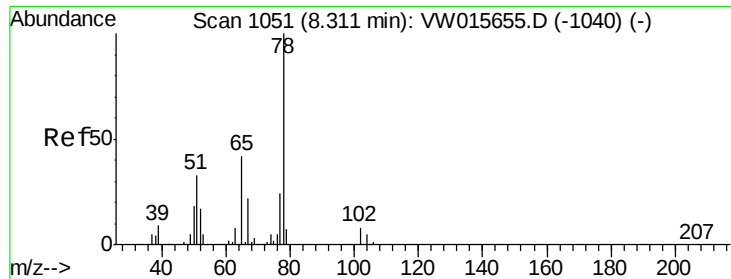
Tot Ion: 43 Resp: 676
 Ion Ratio Lower Upper
 43 100
 72 0.0 21.1 31.7#



#31
 Cyclohexane
 Concen: 1.269 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VW015723.D
 Acq: 25 Jun 2020 12:46

Tgt Ion: 56 Resp: 4183
 Ion Ratio Lower Upper
 56 100
 69 163.8 26.2 39.4#
 84 121.2 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 52.419 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015723.D

Acq: 25 Jun 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

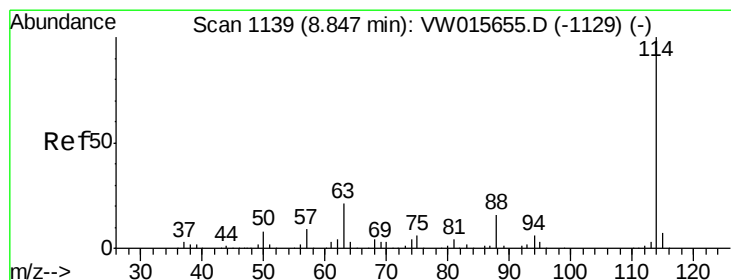
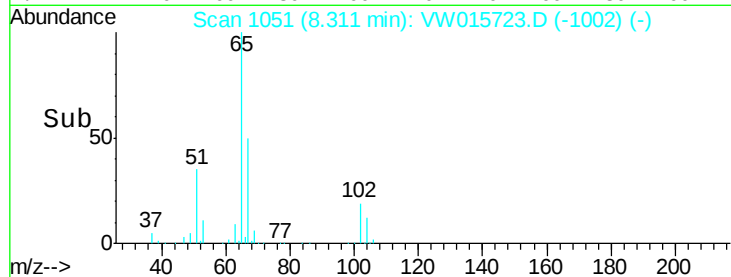
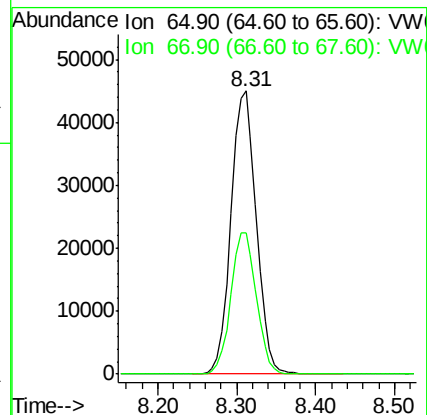
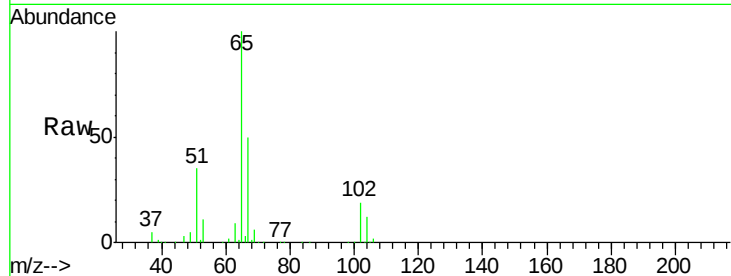
TR-05-062320

Tot Ion: 65 Resp: 100347

Ion Ratio Lower Upper

65 100

67 50.5 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW015723.D

Acq: 25 Jun 2020 12:46

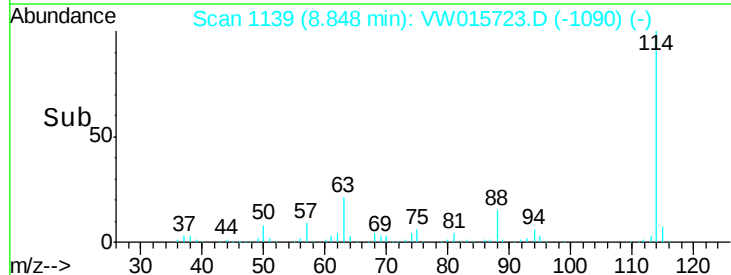
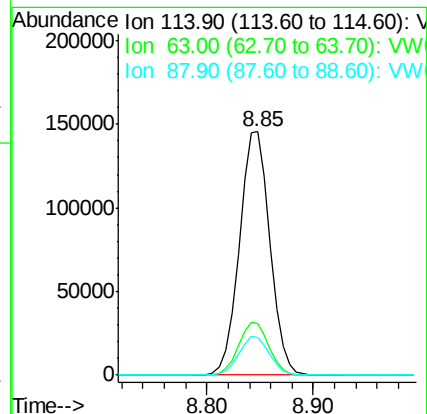
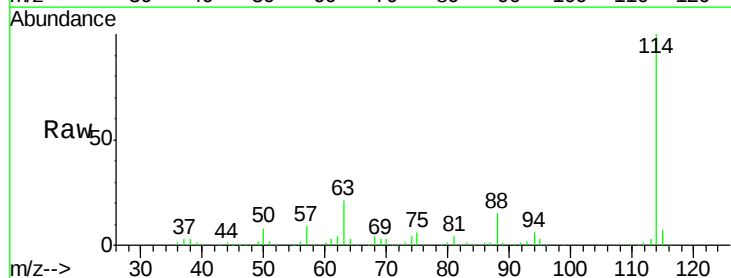
Tgt Ion: 114 Resp: 292472

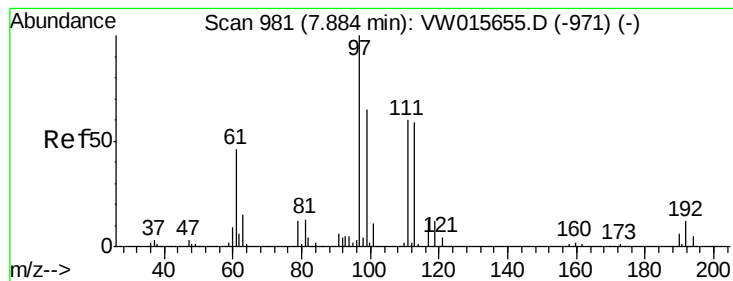
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

88 15.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.783 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015723.D

Acq: 25 Jun 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

TR-05-062320

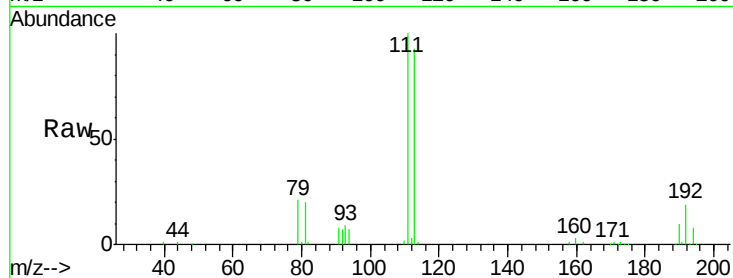
Tot Ion:113 Resp: 87909

Ion Ratio Lower Upper

113 100

111 105.9 82.3 123.5

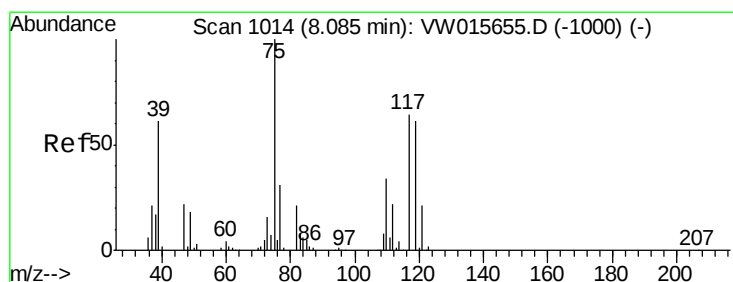
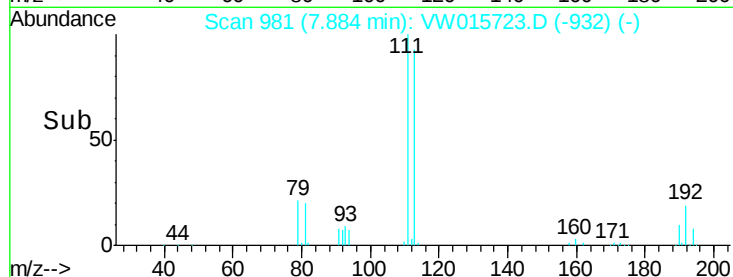
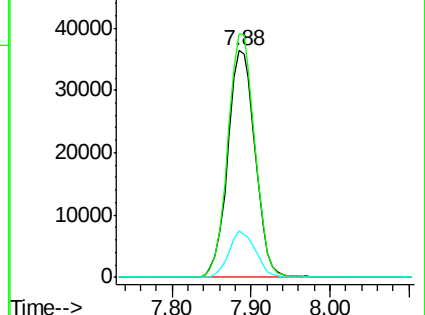
192 19.8 16.4 24.6



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: 4.699 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW015723.D

Acq: 25 Jun 2020 12:46

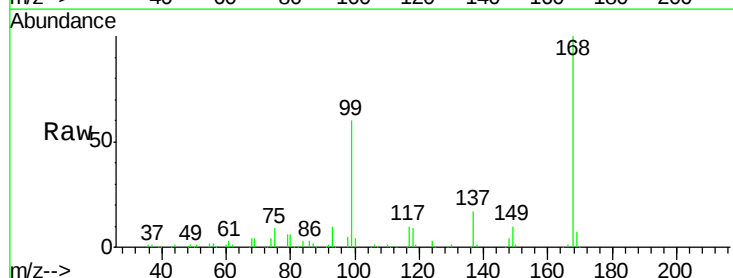
Tgt Ion: 75 Resp: 14295

Ion Ratio Lower Upper

75 100

110 8.6 17.0 51.0#

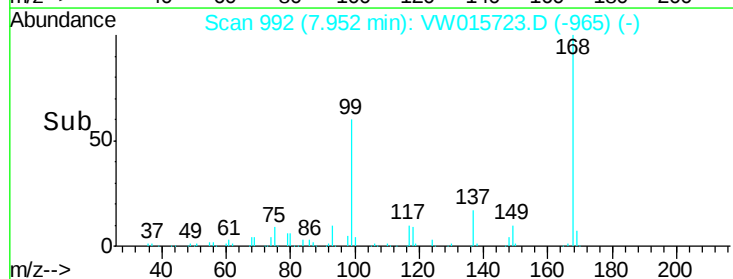
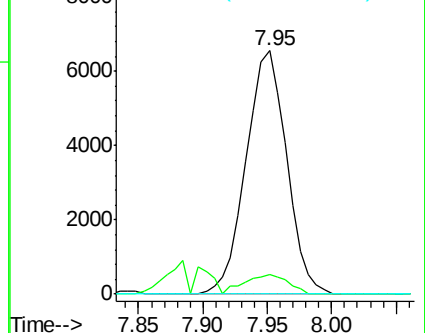
77 0.0 24.6 36.8#

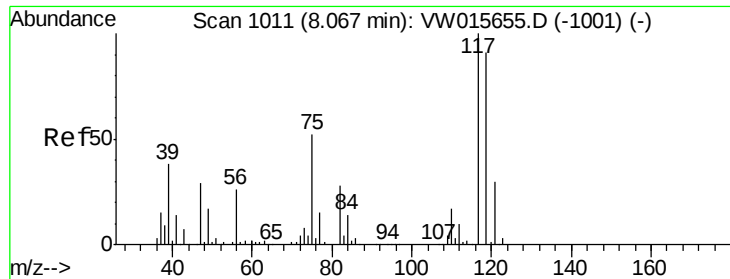


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.915 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW015723.D

Acq: 25 Jun 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

TR-05-062320

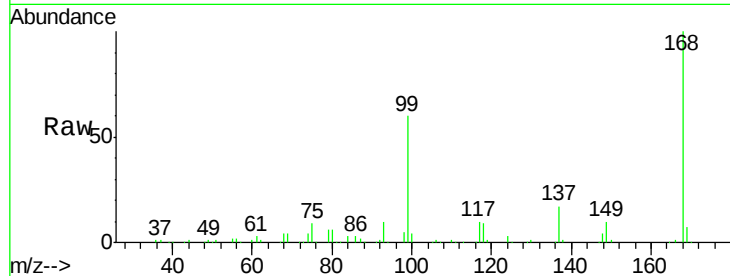
Tot Ion:117 Resp: 17443

Ion Ratio Lower Upper

117 100

119 5.7 73.2 109.8#

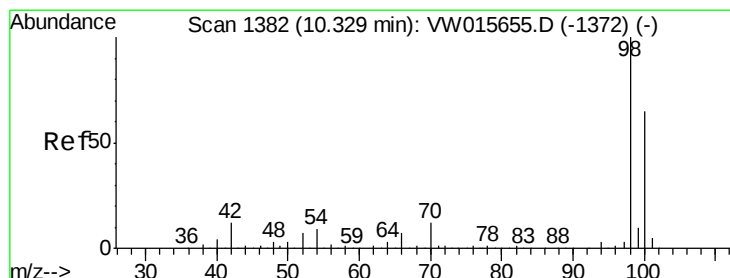
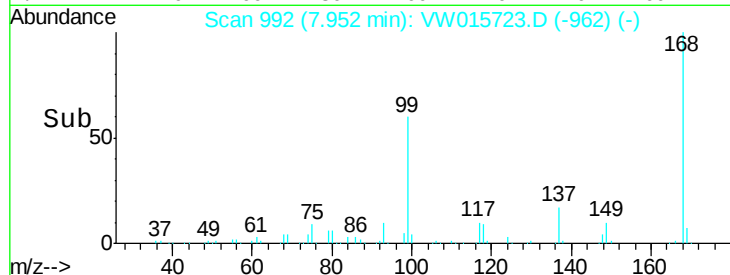
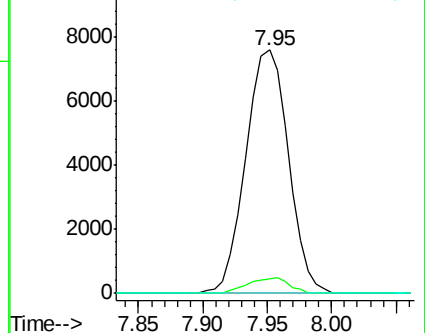
121 0.0 23.9 35.9#



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: 48.737 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW015723.D

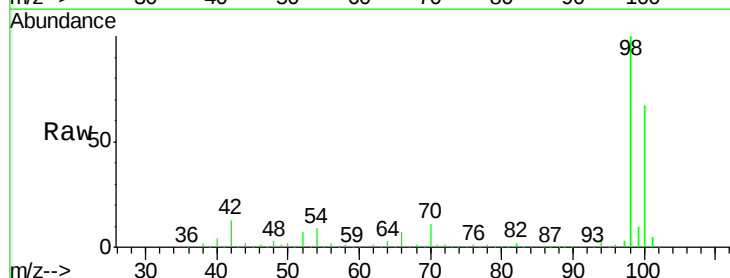
Acq: 25 Jun 2020 12:46

Tgt Ion: 98 Resp: 352859

Ion Ratio Lower Upper

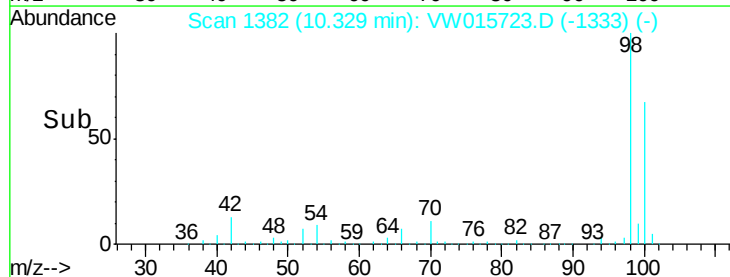
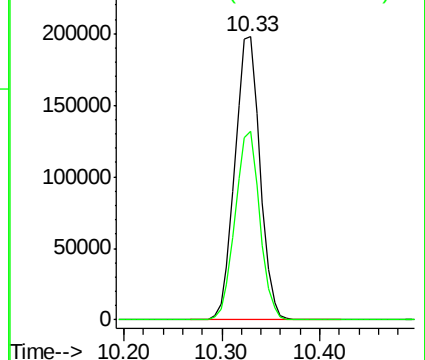
98 100

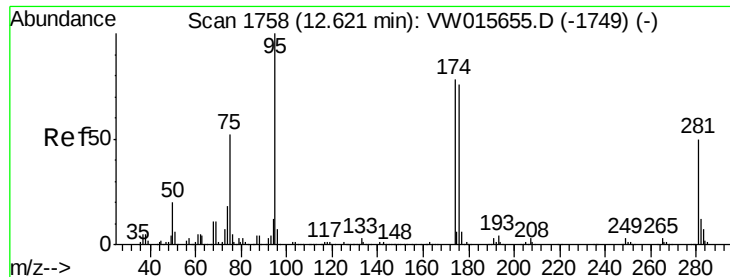
100 65.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 43.273 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015723.D

Acq: 25 Jun 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

TR-05-062320

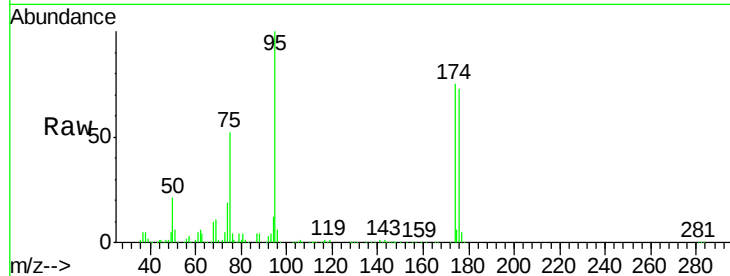
Tot Ion: 95 Resp: 115381

Ion Ratio Lower Upper

95 100

174 76.8 0.0 157.0

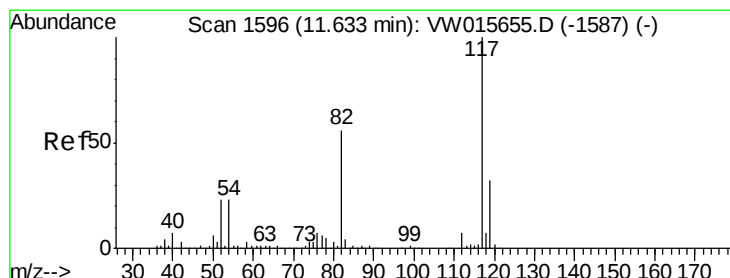
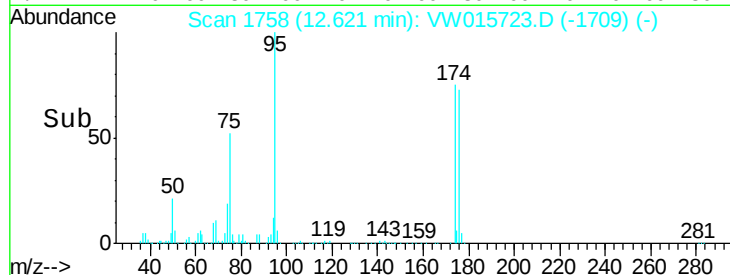
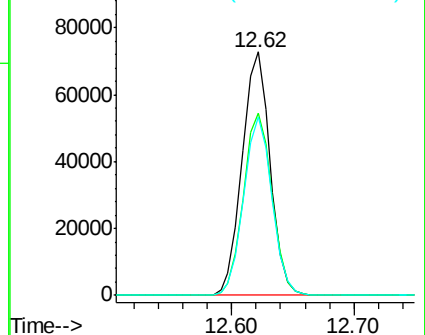
176 74.1 0.0 151.4



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. 0.00 min

Lab File: VW015723.D

Acq: 25 Jun 2020 12:46

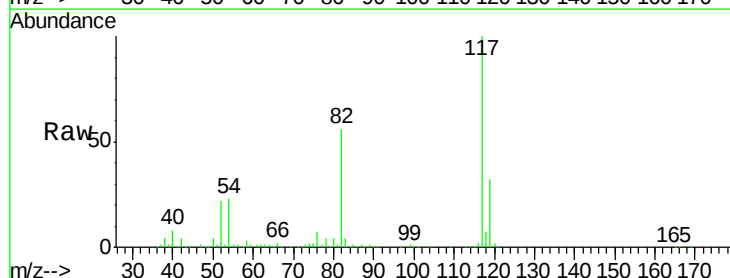
Tgt Ion: 117 Resp: 255277

Ion Ratio Lower Upper

117 100

82 56.2 45.1 67.7

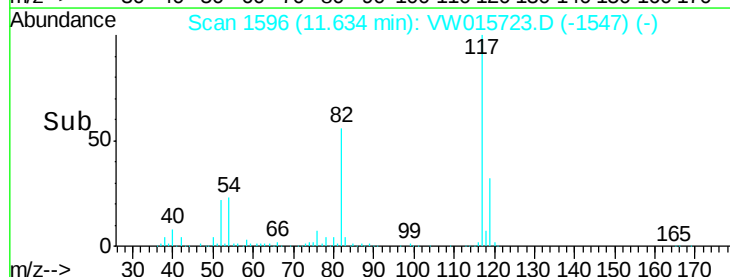
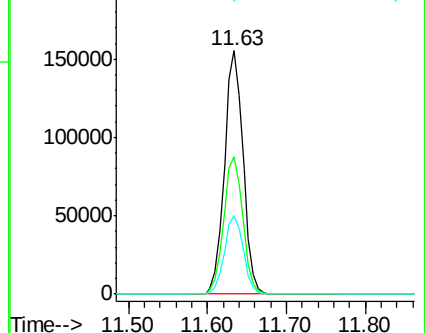
119 32.2 25.8 38.8

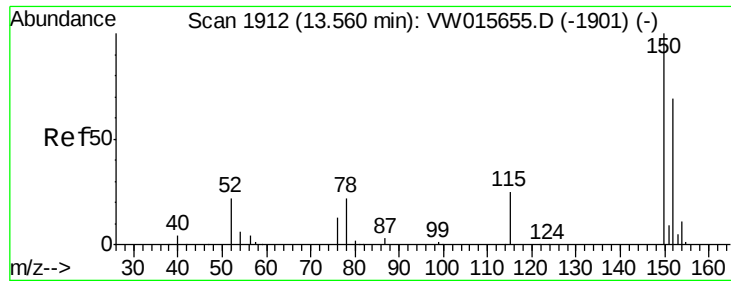


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015723.D

Acq: 25 Jun 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

TR-05-062320

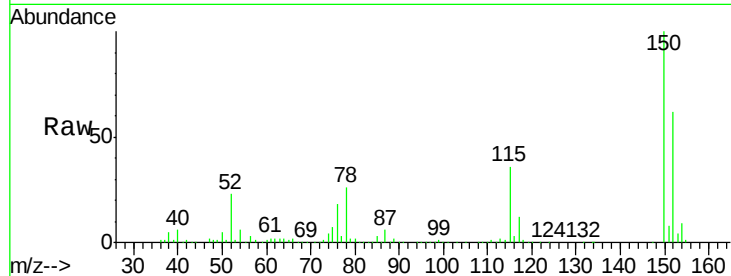
Tot Ion:152 Resp: 108991

Ion Ratio Lower Upper

152 100

115 59.4 30.1 90.5

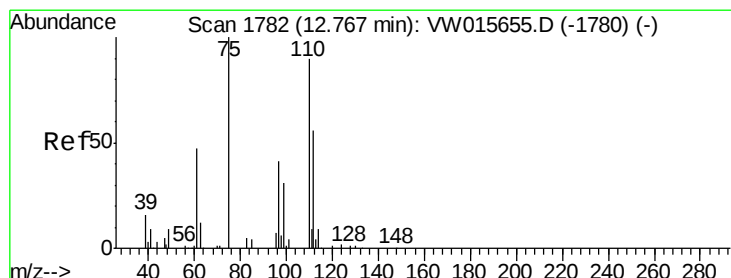
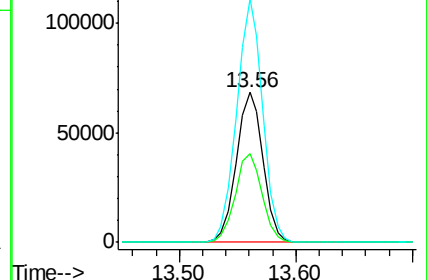
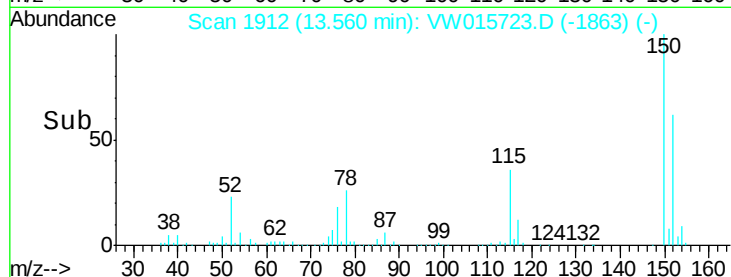
150 157.7 0.0 345.6



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: 63.599 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015723.D

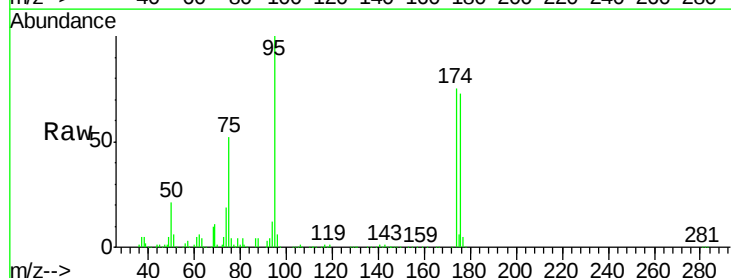
Acq: 25 Jun 2020 12:46

Tgt Ion: 75 Resp: 63228

Ion Ratio Lower Upper

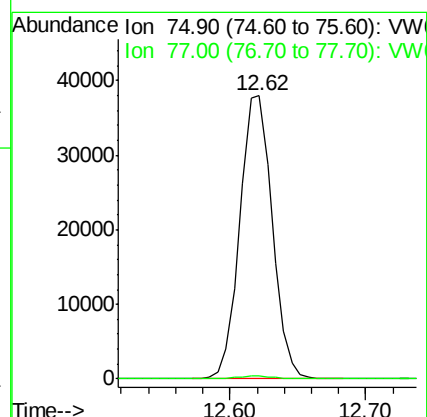
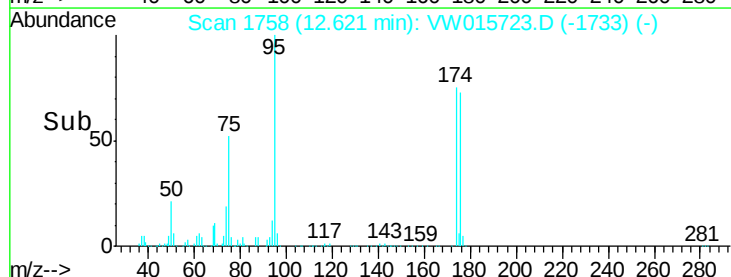
75 100

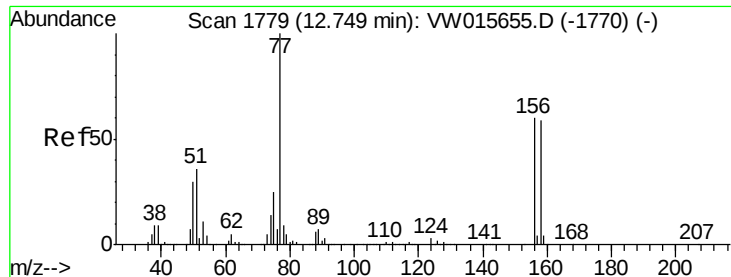
77 1.2 179.1 537.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 3.356 ug/l

RT: 12.93 min Scan# 1809

Delta R.T. 0.18 min

Lab File: VW015723.D

Acq: 25 Jun 2020 12:46

Instrument :

MSVOA_W

ClientSampled :

TR-05-062320

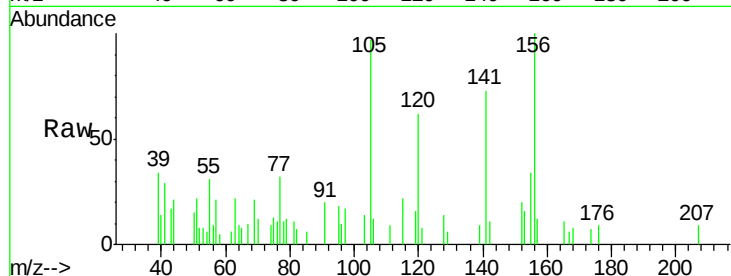
Tot Ion:156 Resp: 6221

Ion Ratio Lower Upper

156 100

77 13.8 94.5 283.5#

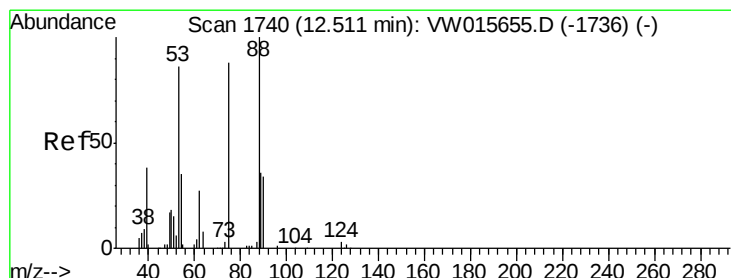
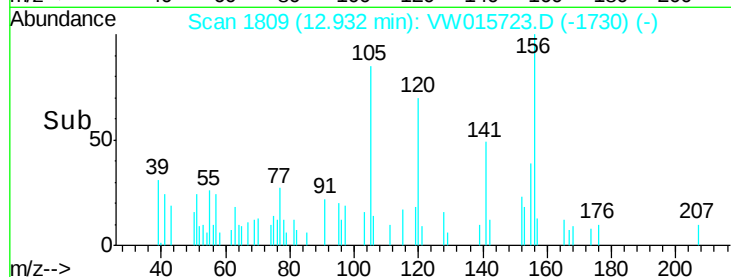
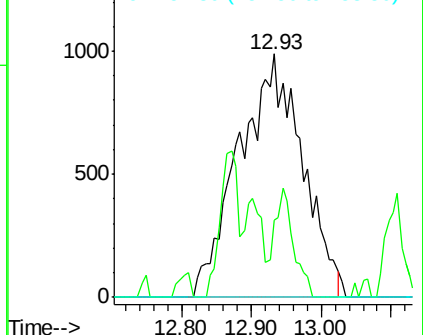
158 0.0 47.9 143.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 160.272 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015723.D

Acq: 25 Jun 2020 12:46

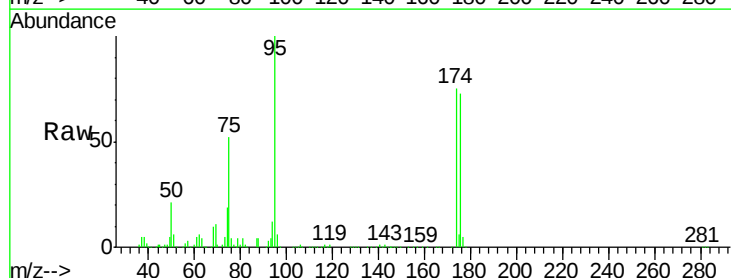
Tgt Ion: 75 Resp: 63228

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

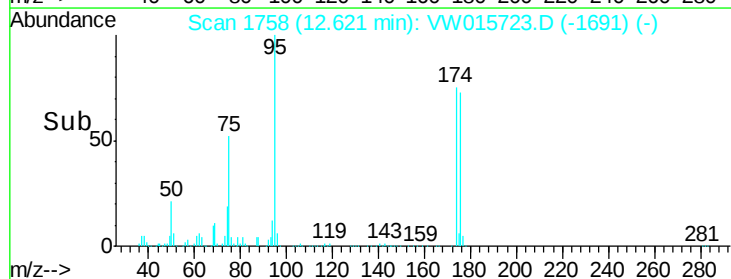
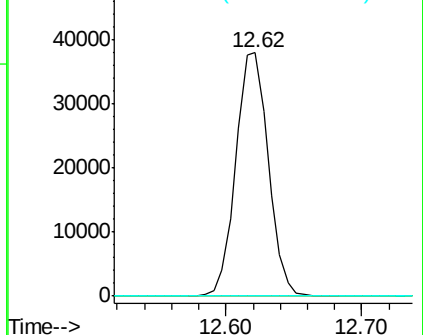
89 0.0 36.6 55.0#

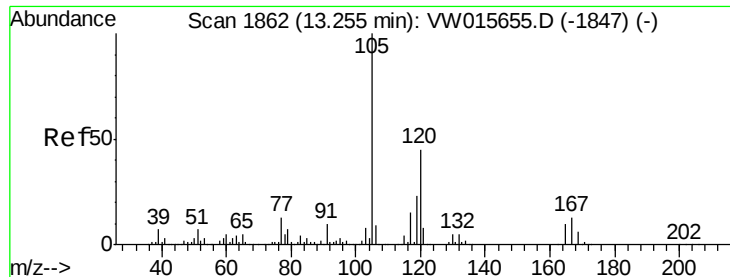


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

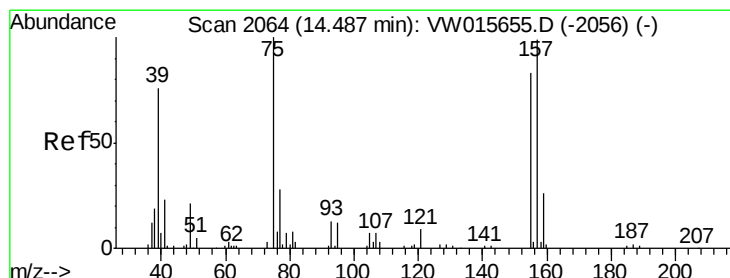
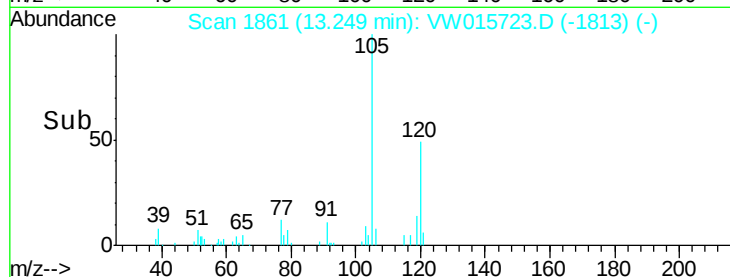
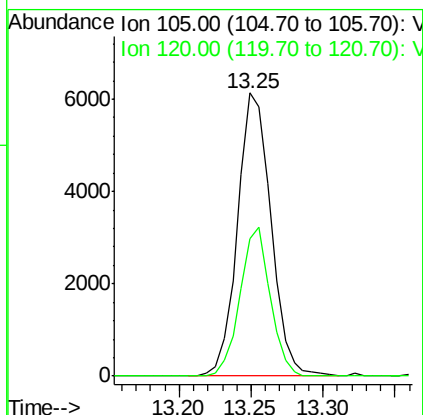
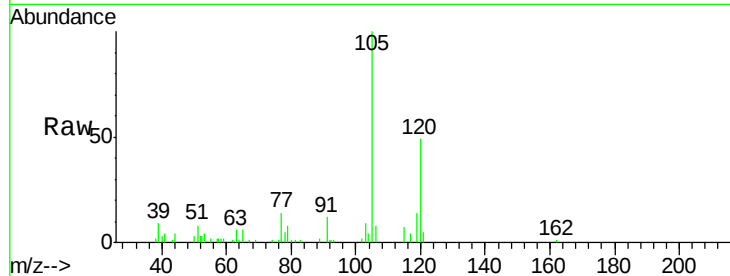




#84
 1,2,4-Trimethylbenzene
 Concen: 1.408 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW015723.D
 Acq: 25 Jun 2020 12:46

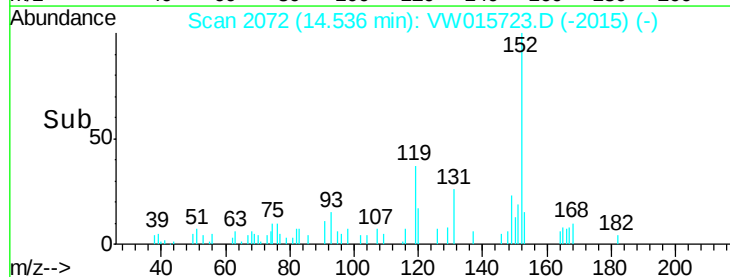
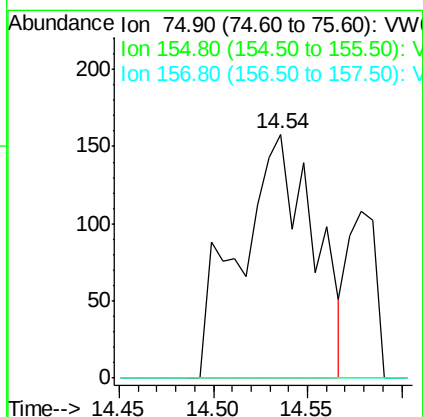
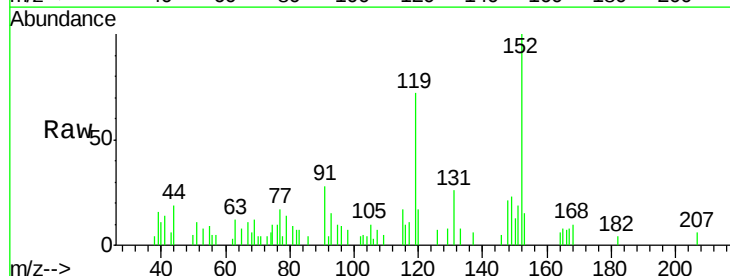
Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-062320

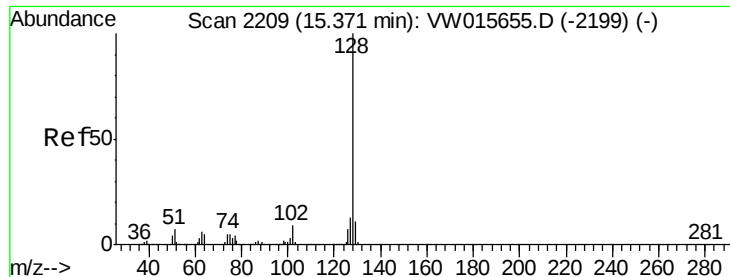
Tot Ion:105 Resp: 9894
 Ion Ratio Lower Upper
 105 100
 120 47.5 22.8 68.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.014 ug/l
 RT: 14.54 min Scan# 2072
 Delta R.T. 0.05 min
 Lab File: VW015723.D
 Acq: 25 Jun 2020 12:46

Tgt Ion: 75 Resp: 429
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.8 122.2#
 157 0.0 50.7 152.1#





#95

Naphthalene

Concen: 3.729 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015723.D

Acq: 25 Jun 2020 12:46

Instrument :

MSVOA_W

ClientSampleId :

TR-05-062320

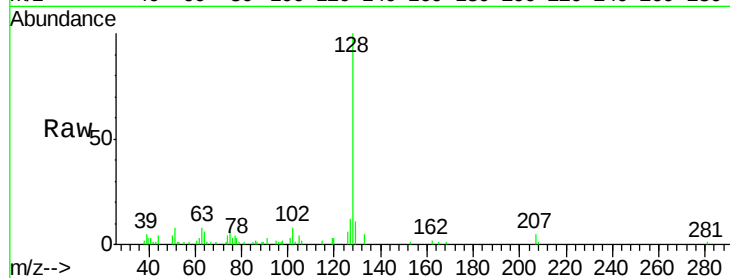
Tot Ion:128 Resp: 12962

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

129 13.5 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

