

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062620\
 Data File : VW015742.D
 Acq On : 26 Jun 2020 11:55
 Operator : SY/VA
 Sample : L3114-01RE
 Misc : 7.80G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-242RE

Quant Time: Jun 27 01:49:35 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	152744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	258217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	200007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	54214	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	91148	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
35) Dibromofluoromethane	7.89	113	80733	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
50) Toluene-d8	10.32	98	291676	45.63	ug/l	0.00
Spiked Amount			Recovery	=	91.26%	
62) 4-Bromofluorobenzene	12.62	95	77584	32.96	ug/l	0.00
Spiked Amount			Recovery	=	65.92%	

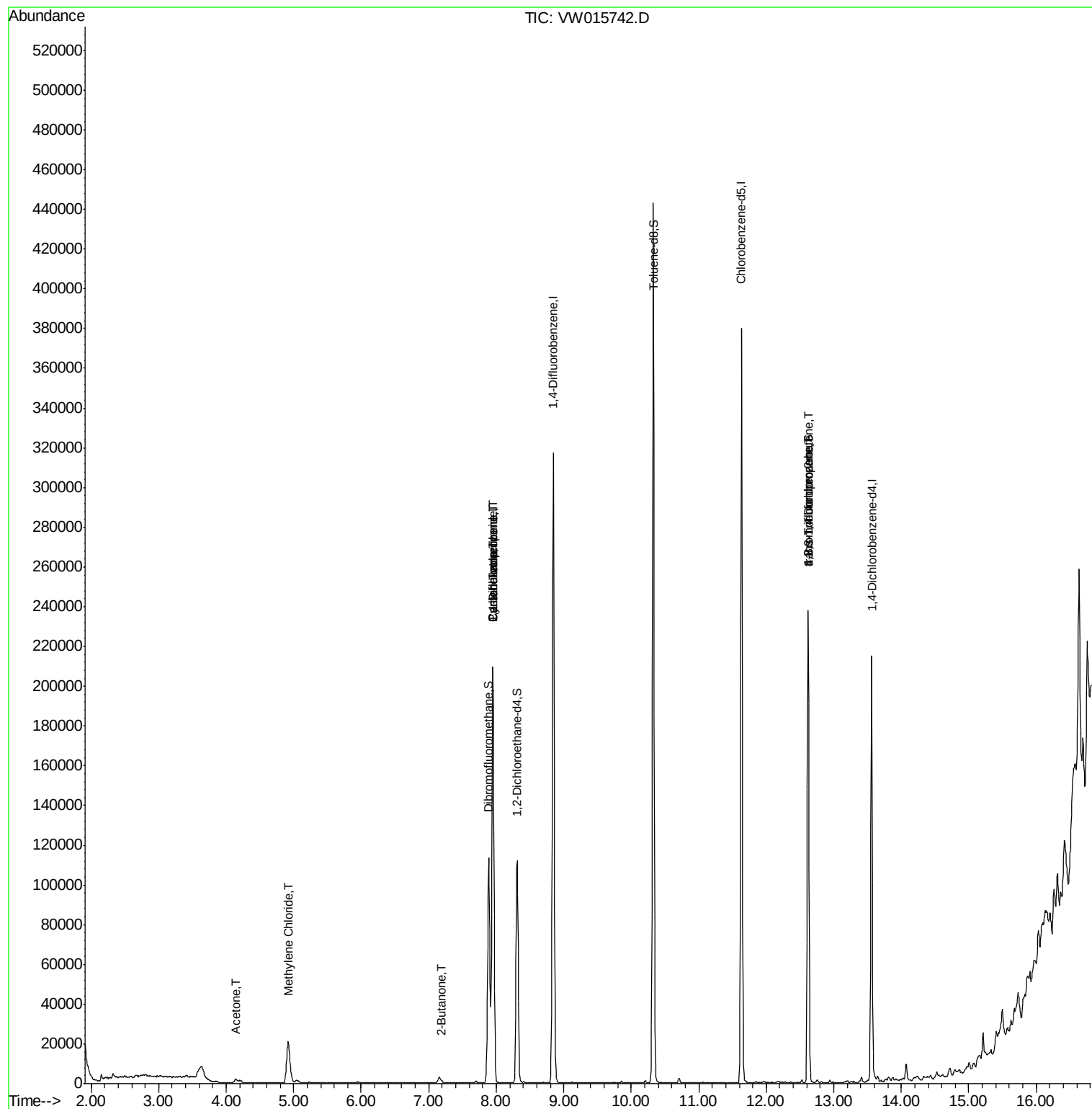
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	285	Below Cal	#	72
16) Acetone	4.15	43	3778	11.694	ug/l	92
18) Methyl Acetate	4.67	43	214	Below Cal	#	52
20) Methylene Chloride	4.92	84	17471	7.200	ug/l	98
25) 2-Butanone	7.19	43	1021	2.338	ug/l #	49
31) Cyclohexane	7.95	56	3764	1.286	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	12479	4.646	ug/l #	50
38) Carbon Tetrachloride	7.95	117	16014	6.151	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	41529	83.980	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	41529	211.631	ug/l #	8

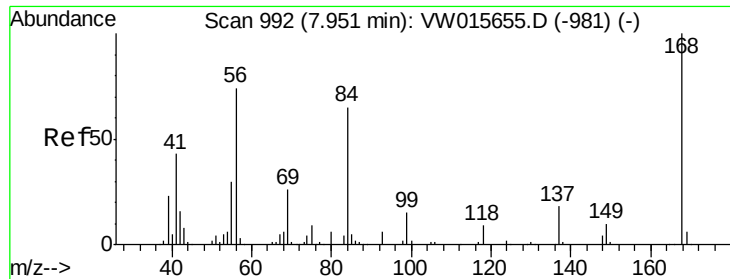
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062620\
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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: VW015742.D

Acq: 26 Jun 2020 11:55

Instrument :

MSVOA_W

ClientSampleId :

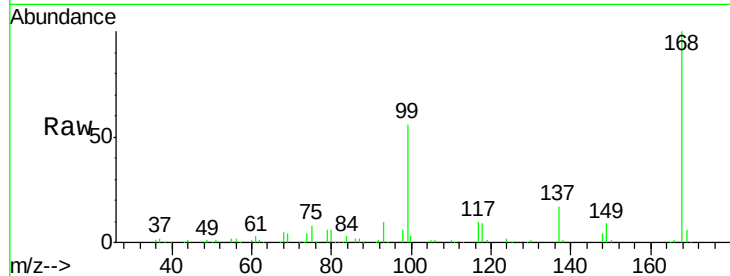
VNJ-242RE

Tot Ion:168 Resp: 152744

Ion Ratio Lower Upper

168 100

99 55.7 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

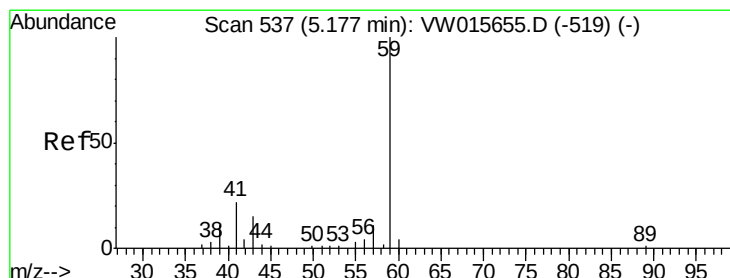
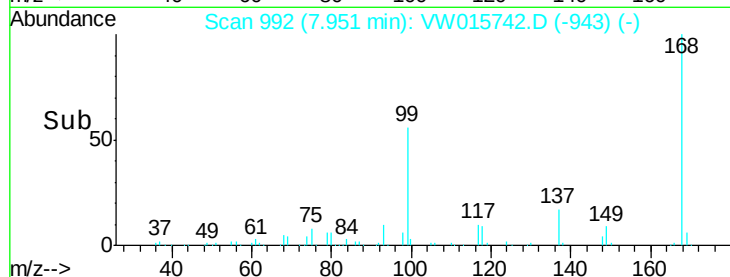
40000

20000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW015742.D

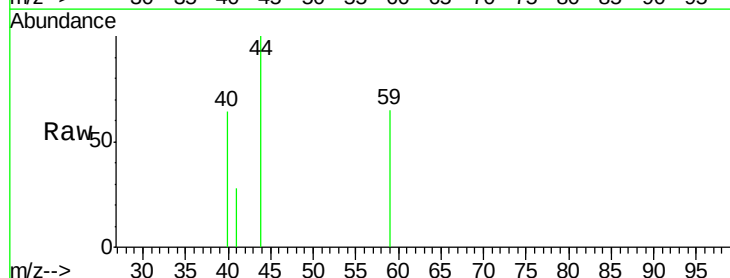
Acq: 26 Jun 2020 11:55

Tgt Ion: 59 Resp: 285

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

200

150

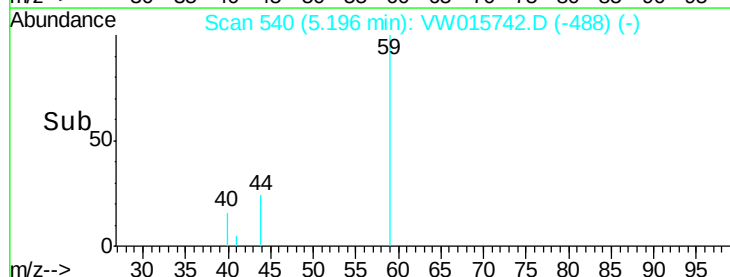
100

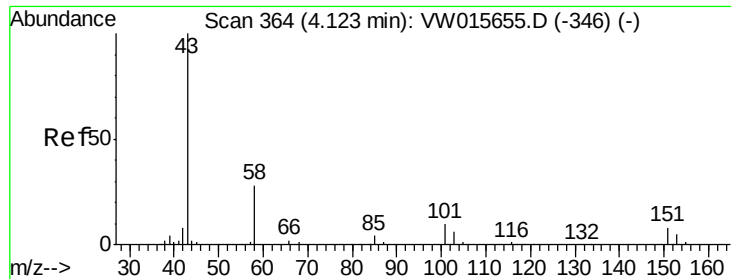
50

0

5.14 5.16 5.18 5.20 5.22

Time-->





#16

Acetone

Concen: 11.694 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW015742.D

Acq: 26 Jun 2020 11:55

Instrument :

MSVOA_W

ClientSampleId :

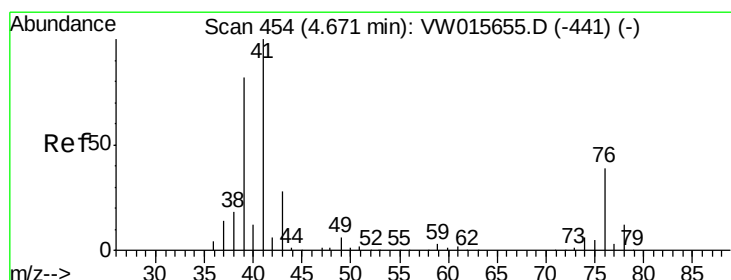
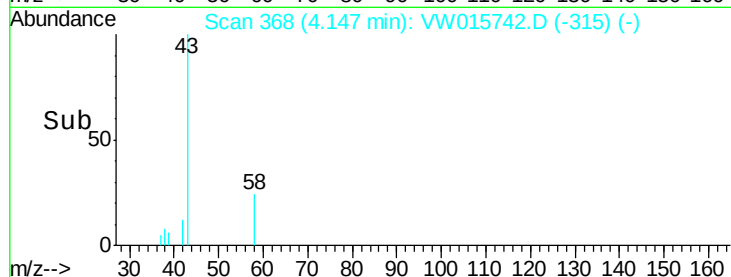
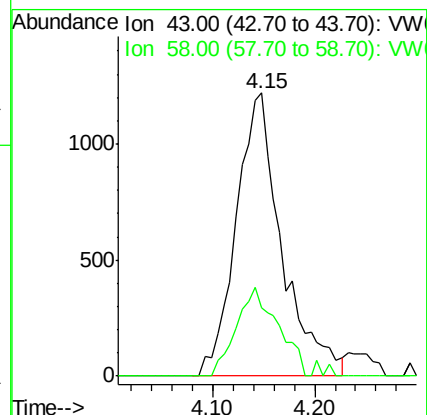
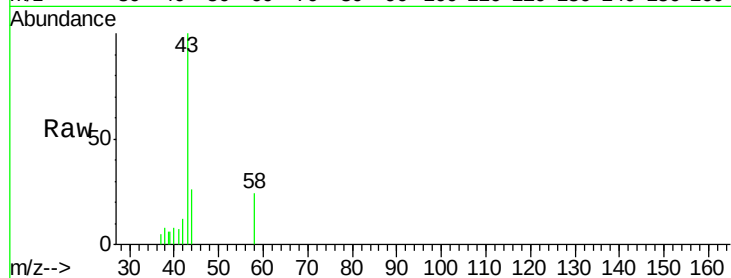
VNJ-242RE

Tot Ion: 43 Resp: 3778

Ion Ratio Lower Upper

43 100

58 24.0 22.6 33.8



#18

Methyl Acetate

Concen: Below Cal

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015742.D

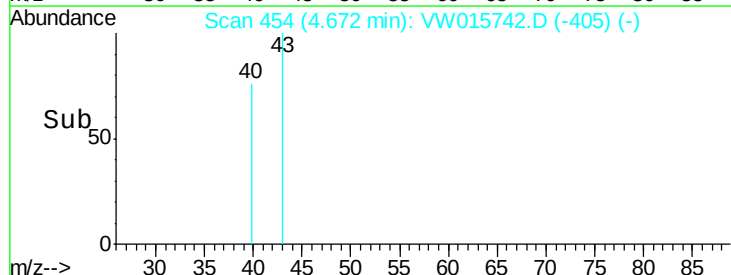
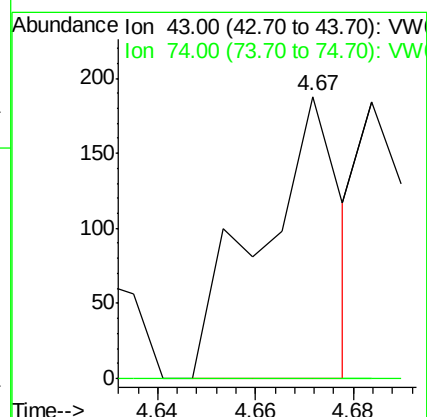
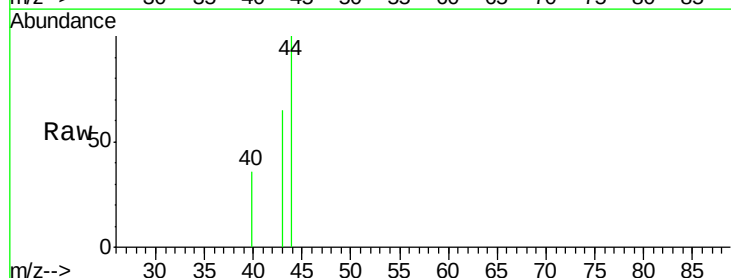
Acq: 26 Jun 2020 11:55

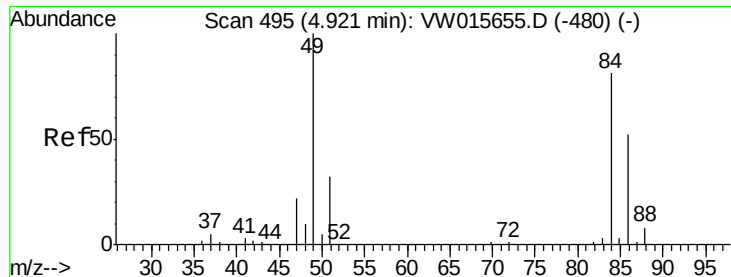
Tgt Ion: 43 Resp: 214

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#

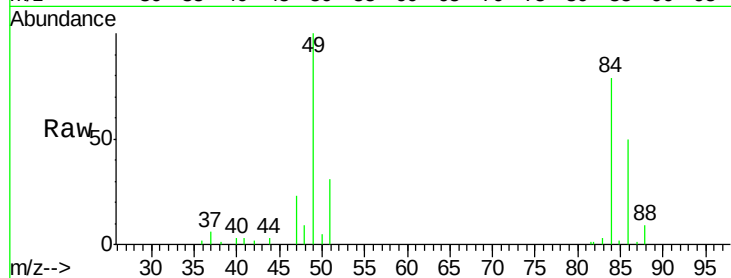




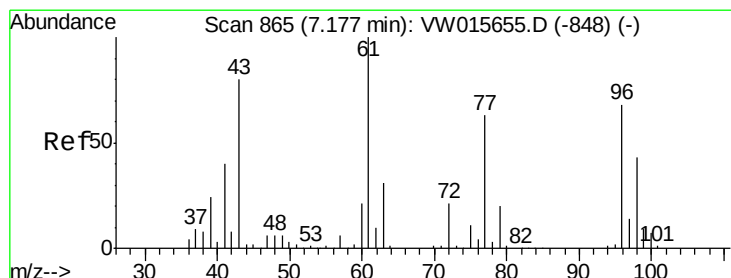
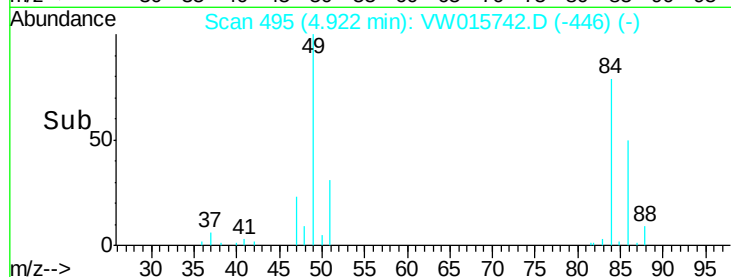
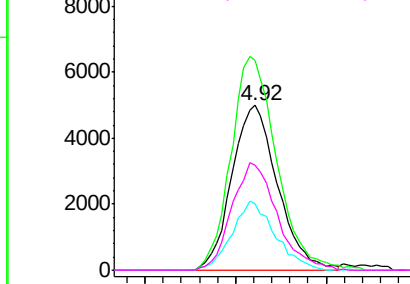
#20
Methylene Chloride
Concen: 7.200 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015742.D
Acq: 26 Jun 2020 11:55

Instrument :
MSVOA_W
ClientSampleId :
VNJ-242RE

Tot Ion: 84 Resp: 17471
Ion Ratio Lower Upper
84 100
49 127.4 99.3 148.9
51 40.0 31.8 47.6
86 63.6 51.7 77.5

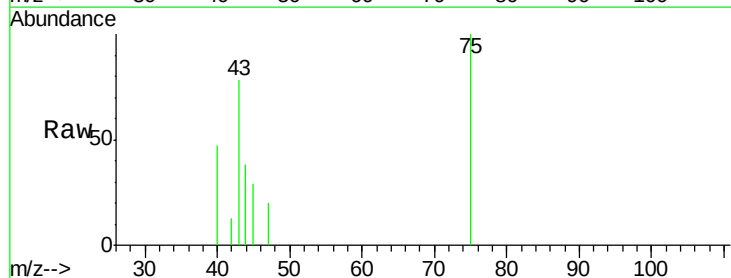


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

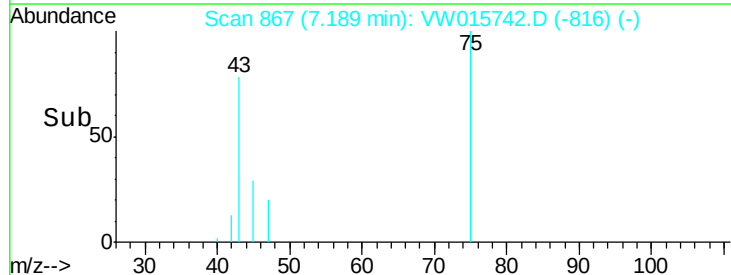
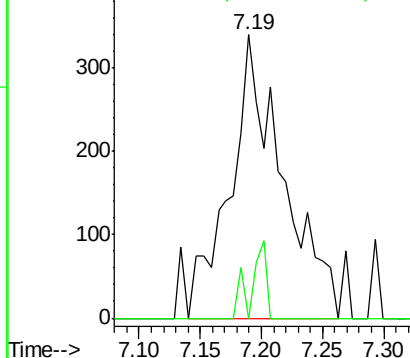


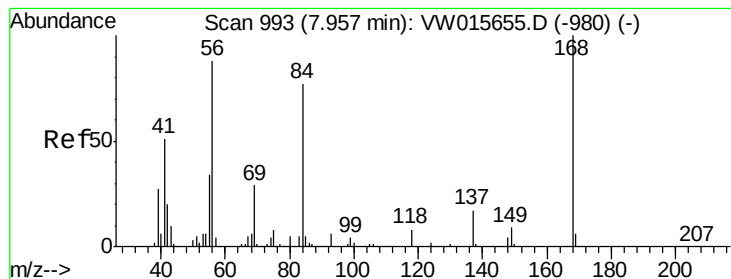
#25
2-Butanone
Concen: 2.338 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW015742.D
Acq: 26 Jun 2020 11:55

Tgt Ion: 43 Resp: 1021
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.286 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015742.D

Acq: 26 Jun 2020 11:55

Instrument :

MSVOA_W

ClientSampled :

VNJ-242RE

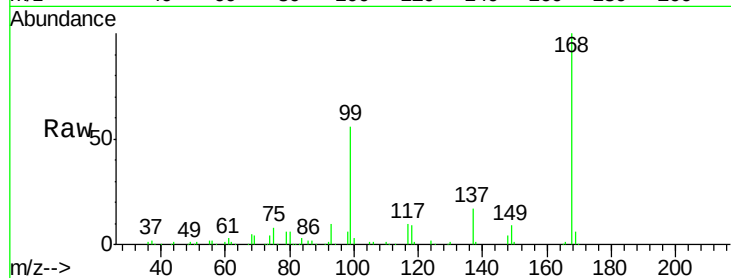
Tot Ion: 56 Resp: 3764

Ion Ratio Lower Upper

56 100

69 154.1 26.2 39.4#

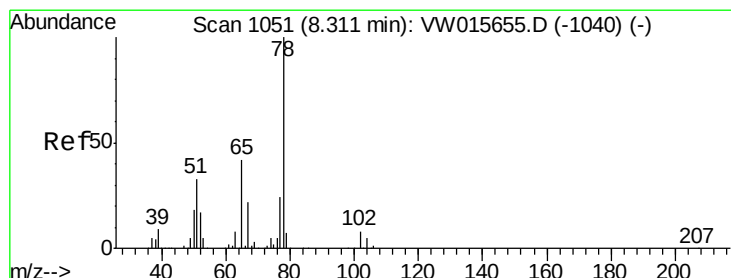
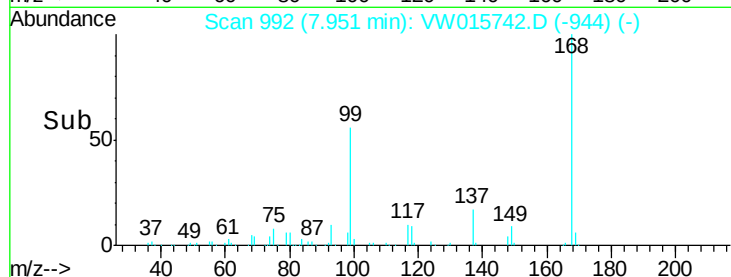
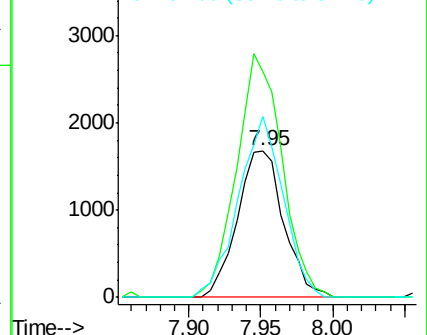
84 123.4 70.4 105.6#



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: 53.633 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015742.D

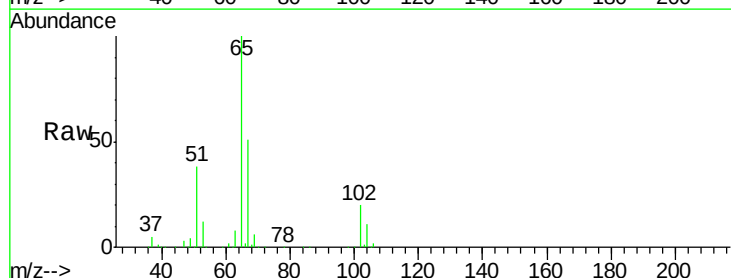
Acq: 26 Jun 2020 11:55

Tgt Ion: 65 Resp: 91148

Ion Ratio Lower Upper

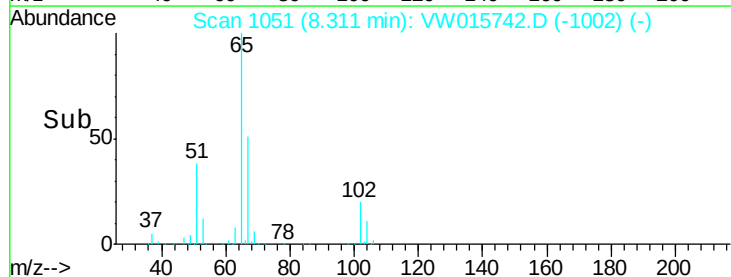
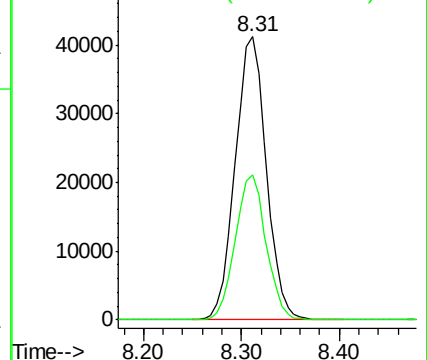
65 100

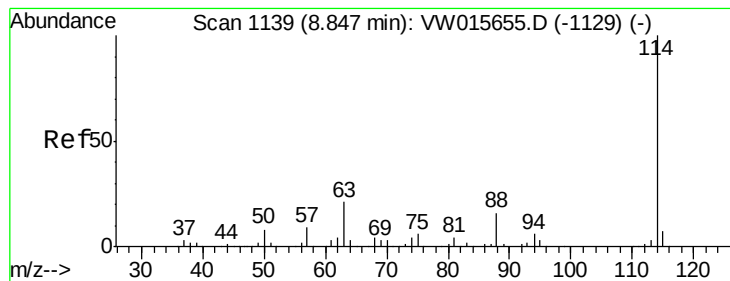
67 50.6 0.0 102.2



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: VW015742.D

Acq: 26 Jun 2020 11:55

Instrument :

MSVOA_W

ClientSampleId :

VNJ-242RE

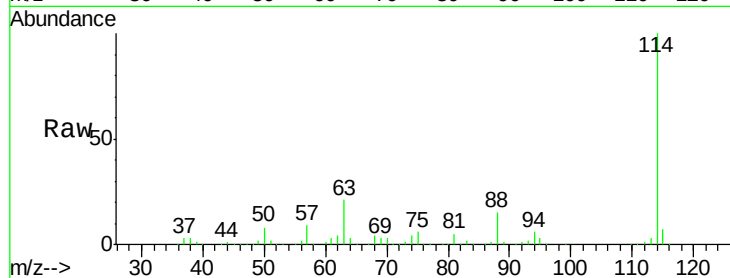
Tot Ion:114 Resp: 258217

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.4

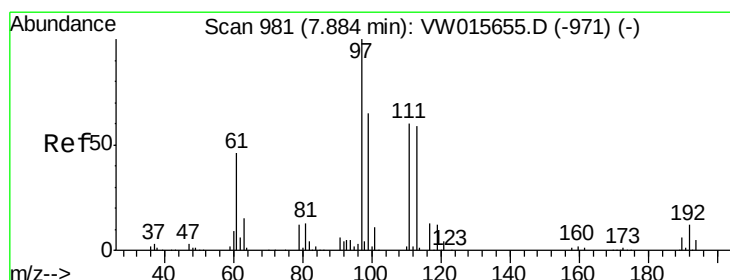
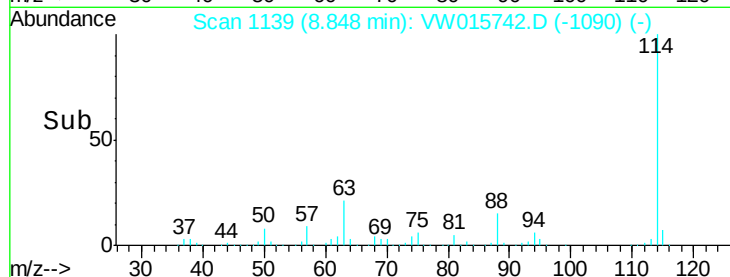
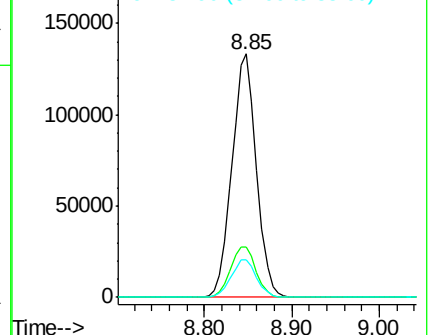
88 15.2 0.0 32.6



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: 49.704 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW015742.D

Acq: 26 Jun 2020 11:55

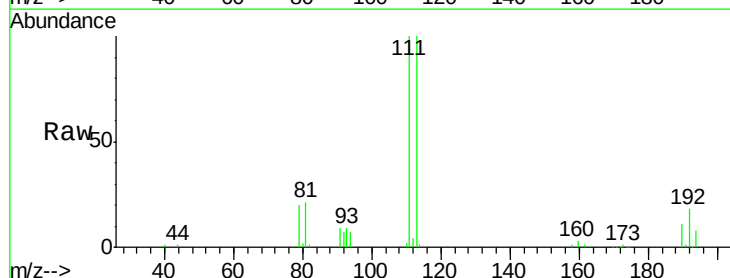
Tgt Ion:113 Resp: 80733

Ion Ratio Lower Upper

113 100

111 102.4 82.3 123.5

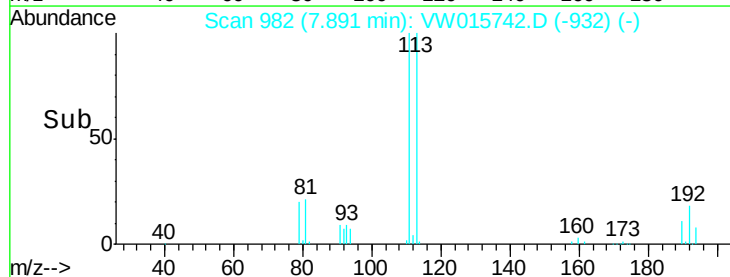
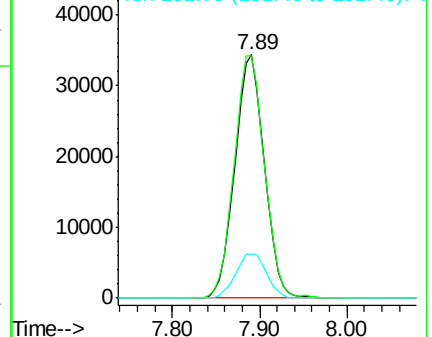
192 19.1 16.4 24.6

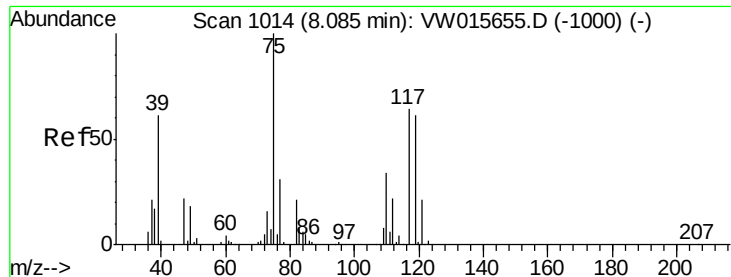


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.646 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW015742.D

Acq: 26 Jun 2020 11:55

Instrument :

MSVOA_W

ClientSampled :

VNJ-242RE

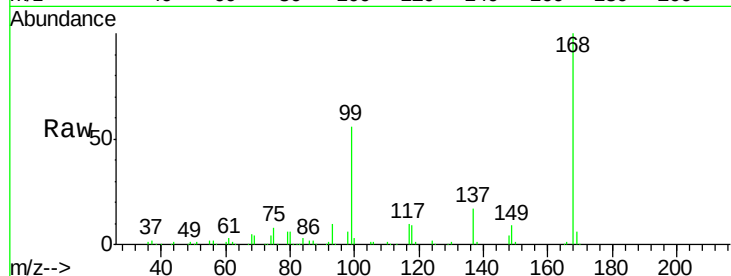
Tot Ion: 75 Resp: 12479

Ion Ratio Lower Upper

75 100

110 8.7 17.0 51.0#

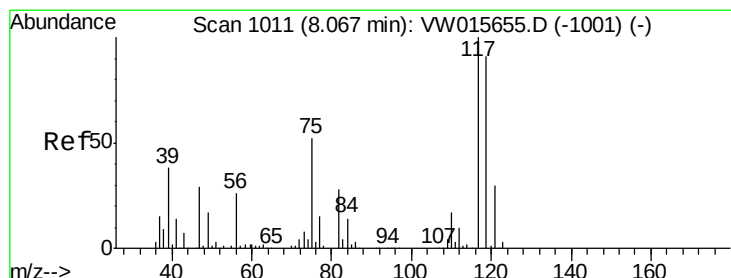
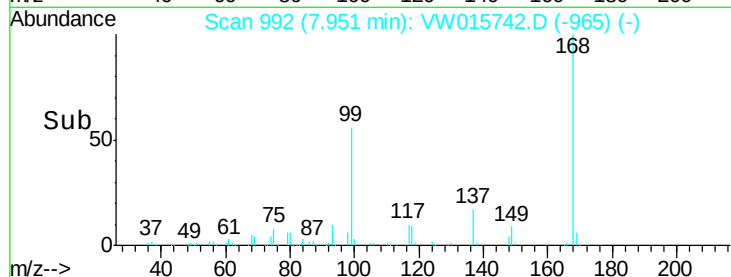
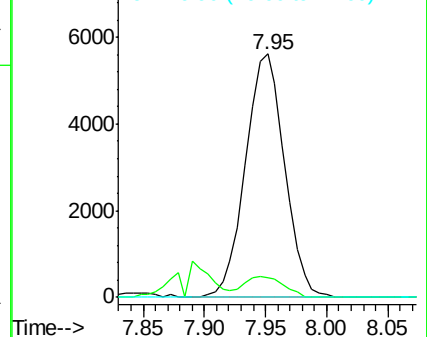
77 0.0 24.6 36.8#



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: 6.151 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW015742.D

Acq: 26 Jun 2020 11:55

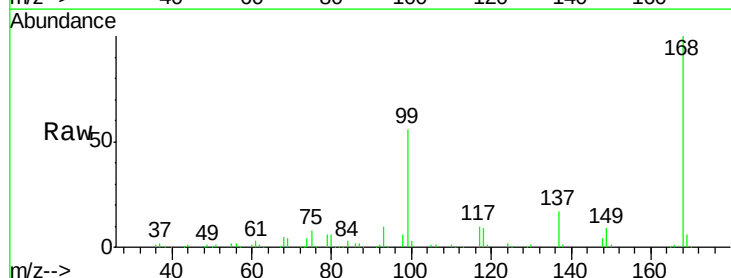
Tgt Ion: 117 Resp: 16014

Ion Ratio Lower Upper

117 100

119 5.0 73.2 109.8#

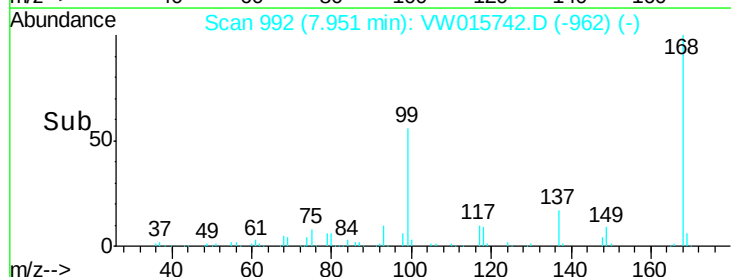
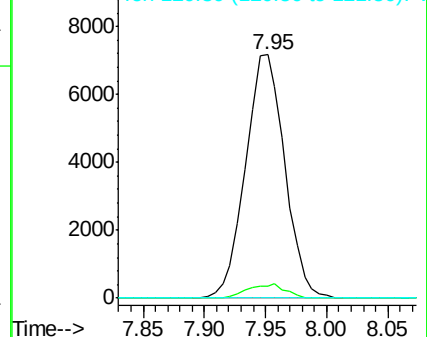
121 0.0 23.9 35.9#

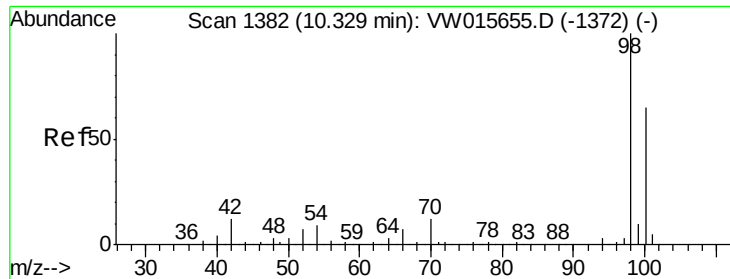


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

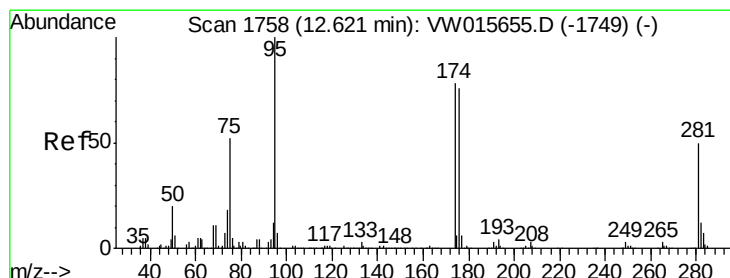
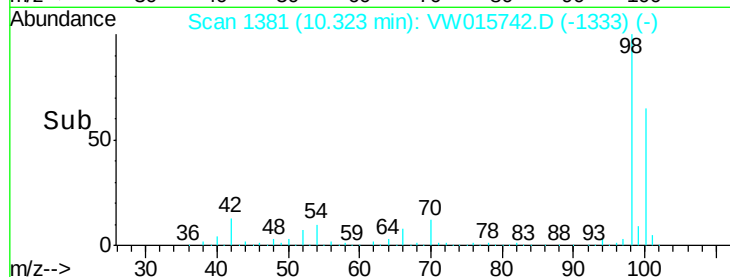
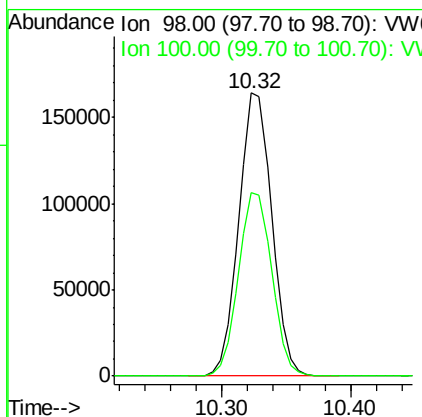
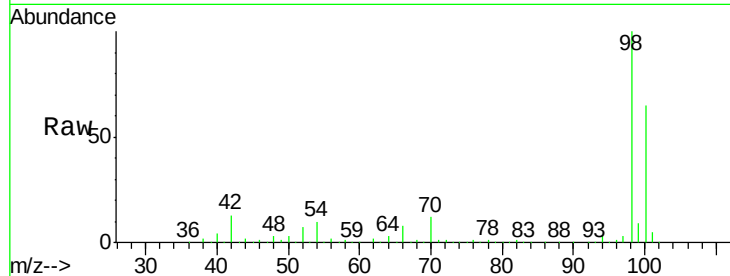




#50
Toluene-d8
Concen: 45.631 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW015742.D
Acq: 26 Jun 2020 11:55

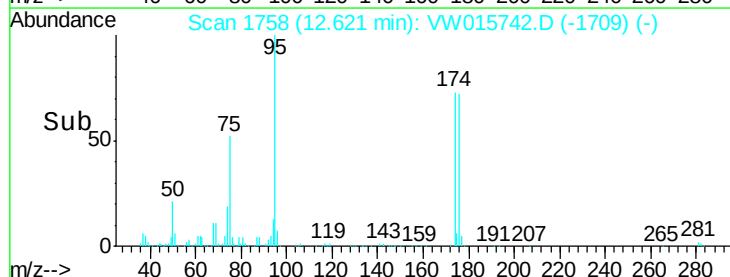
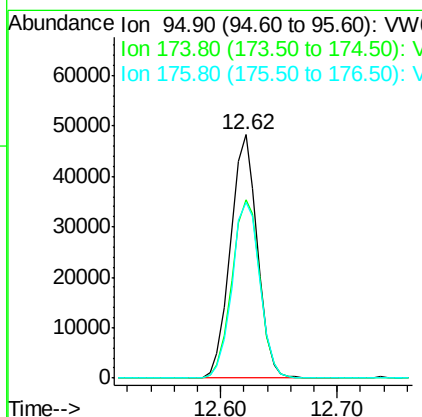
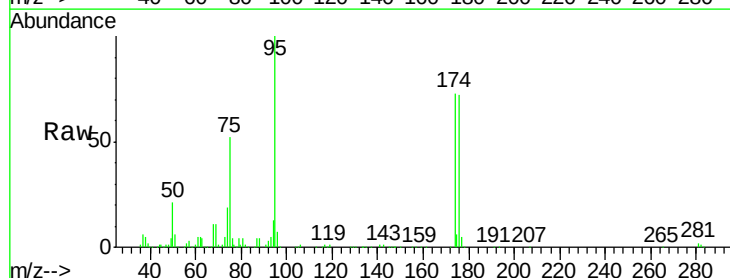
Instrument :
MSVOA_W
ClientSampleId :
VNJ-242RE

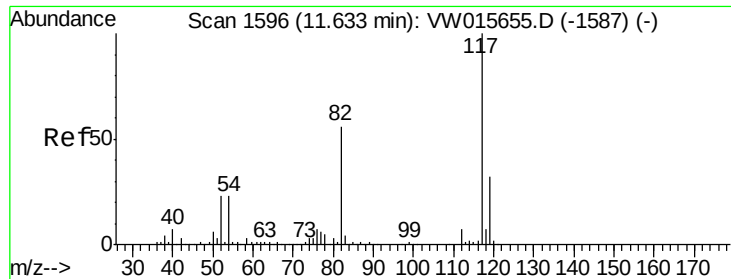
Tot Ion: 98 Resp: 291676
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 32.958 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW015742.D
Acq: 26 Jun 2020 11:55

Tgt Ion: 95 Resp: 77584
Ion Ratio Lower Upper
95 100
174 76.7 0.0 157.0
176 75.1 0.0 151.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW015742.D

Acq: 26 Jun 2020 11:55

Instrument :

MSVOA_W

ClientSampleId :

VNJ-242RE

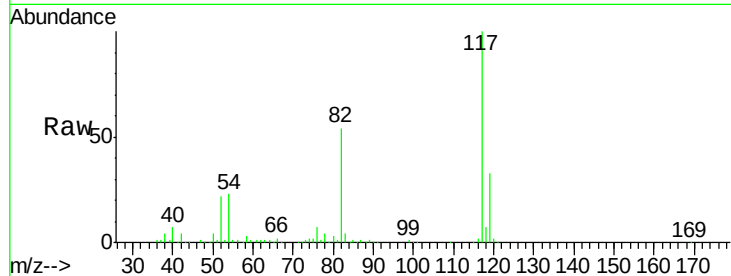
Tot Ion:117 Resp: 200007

Ion Ratio Lower Upper

117 100

82 54.0 45.1 67.7

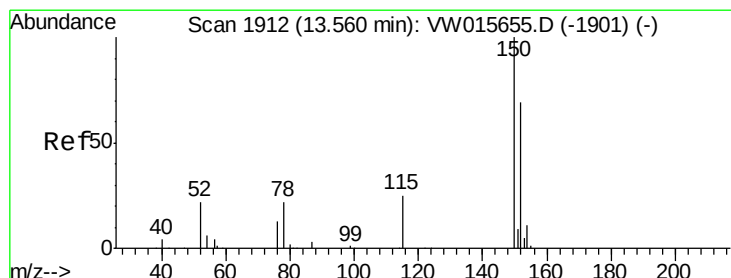
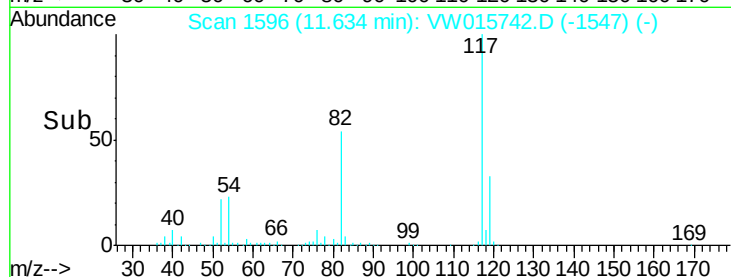
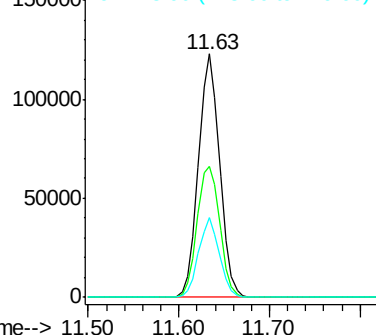
119 32.9 25.8 38.8



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: VW015742.D

Acq: 26 Jun 2020 11:55

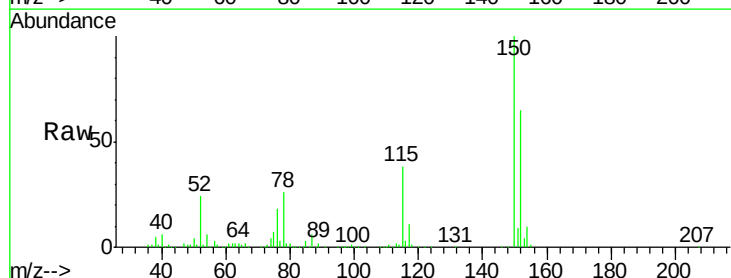
Tgt Ion:152 Resp: 54214

Ion Ratio Lower Upper

152 100

115 60.5 30.1 90.5

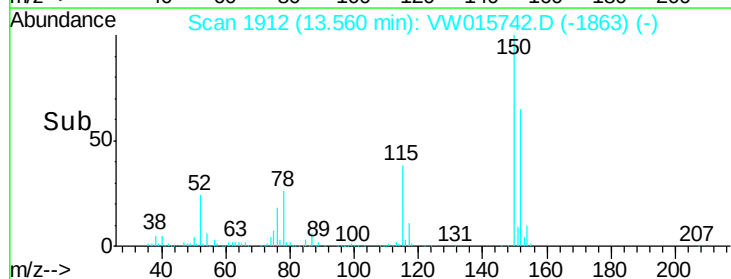
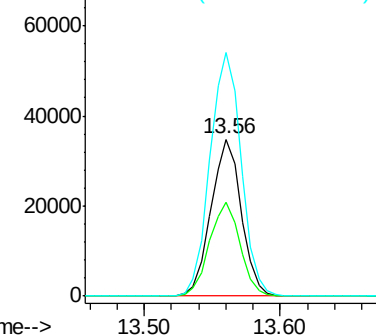
150 159.3 0.0 345.6

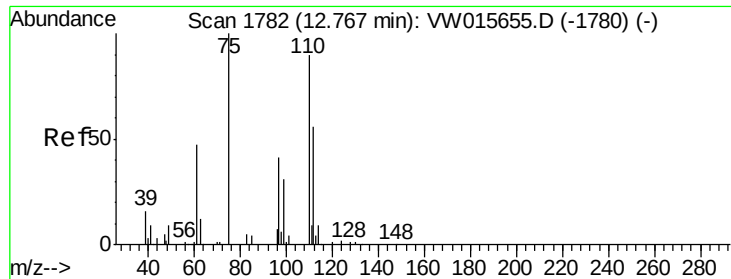


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 83.980 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015742.D

Acq: 26 Jun 2020 11:55

Instrument :

MSVOA_W

ClientSampled :

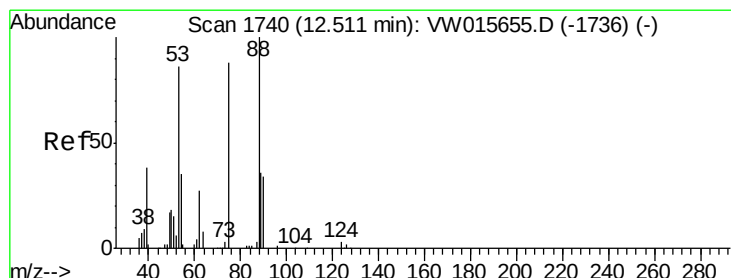
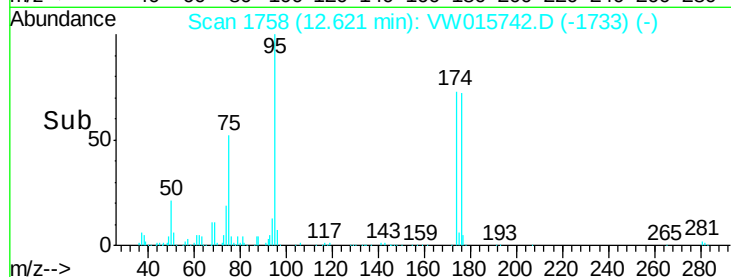
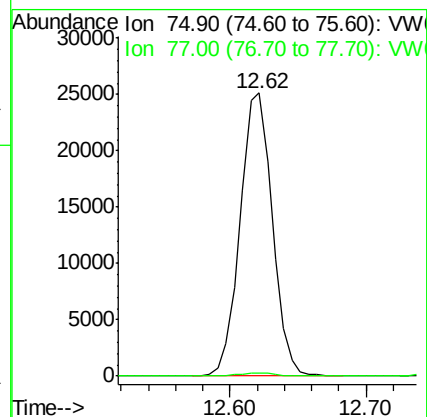
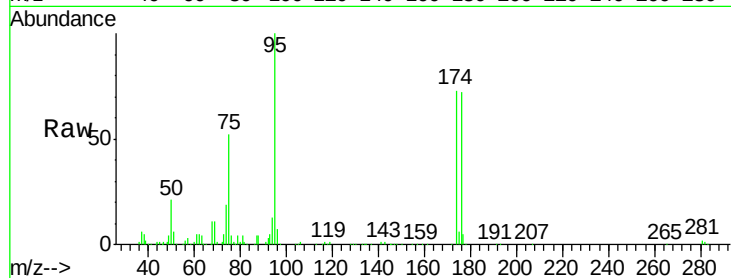
VNJ-242RE

Tot Ion: 75 Resp: 41529

Ion Ratio Lower Upper

75 100

77 1.4 179.1 537.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 211.631 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015742.D

Acq: 26 Jun 2020 11:55

Tgt Ion: 75 Resp: 41529

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

89 0.0 36.6 55.0#

