

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062520\
 Data File : VW015717.D
 Acq On : 25 Jun 2020 10:04
 Operator : SY/VA
 Sample : VW0625SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0625SBL01

Quant Time: Jun 26 01:36:06 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	175848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	281464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	255127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	118672	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	100798	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
35) Dibromofluoromethane	7.88	113	88974	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
50) Toluene-d8	10.32	98	349059	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.62	95	121989	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	

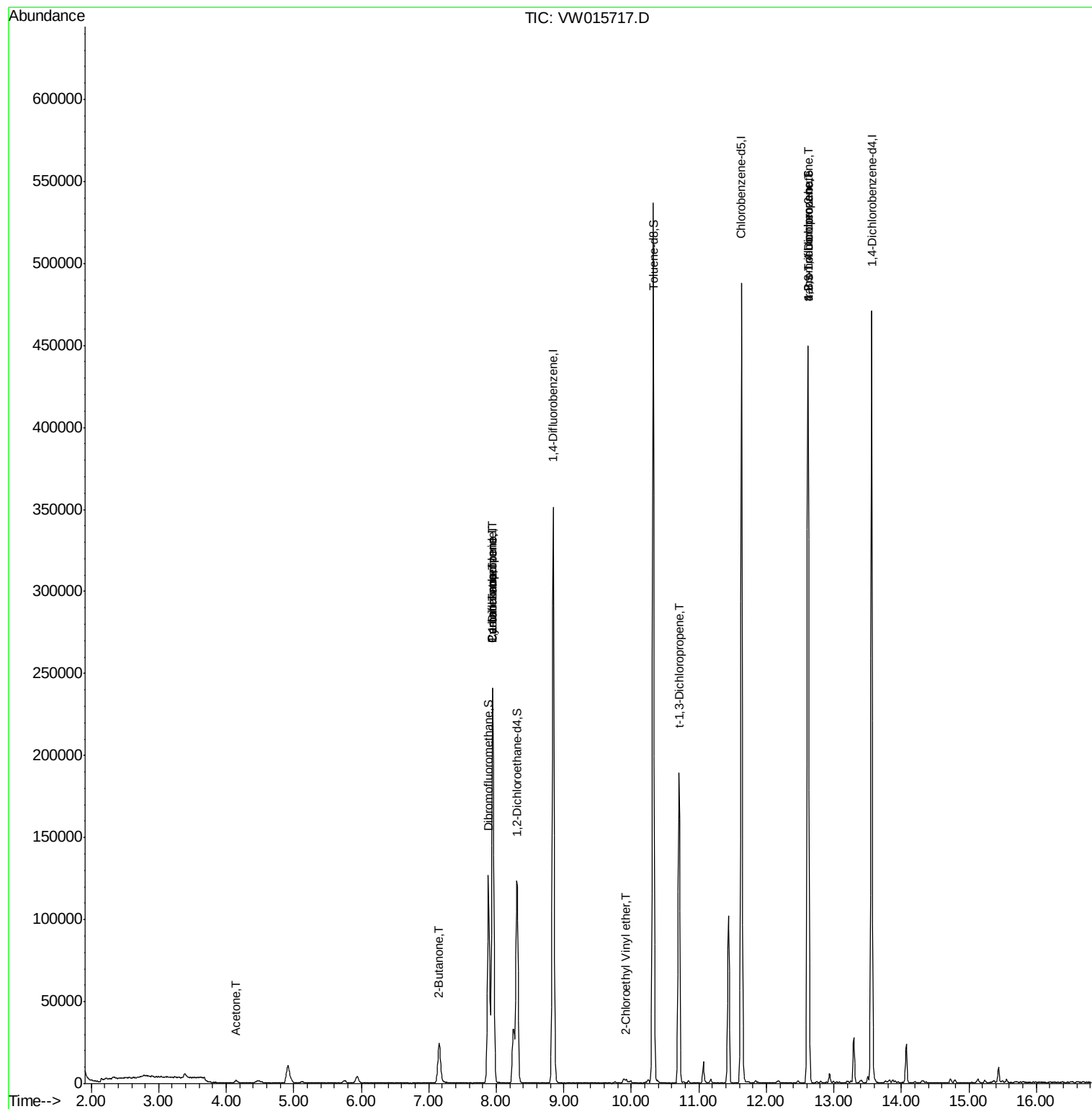
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	94	Below Cal	#	72
16) Acetone	4.15	43	3218	8.652	ug/l #	89
18) Methyl Acetate	4.67	43	91	Below Cal	#	52
20) Methylene Chloride	4.92	84	8129	Below Cal		96
25) 2-Butanone	7.16	43	1824	3.628	ug/l #	72
31) Cyclohexane	7.95	56	4399	1.305	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14753	5.039	ug/l #	50
38) Carbon Tetrachloride	7.95	117	18049	6.360	ug/l #	19
53) t-1,3-Dichloropropene	10.70	75	2683	1.058	ug/l #	62
58) 2-Chloroethyl Vinyl ether	9.93	63	1032	1.252	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	66560	61.489	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	66560	154.954	ug/l #	8

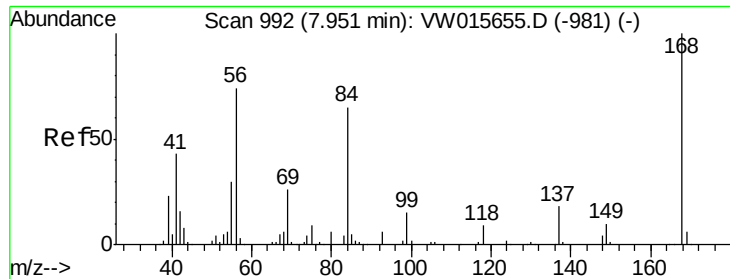
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062520\
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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: VW015717.D

Acq: 25 Jun 2020 10:04

Instrument :

MSVOA_W

ClientSampleId :

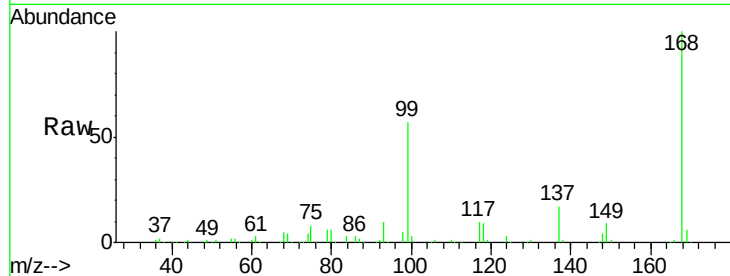
VW0625SBL01

Tot Ion:168 Resp: 175848

Ion Ratio Lower Upper

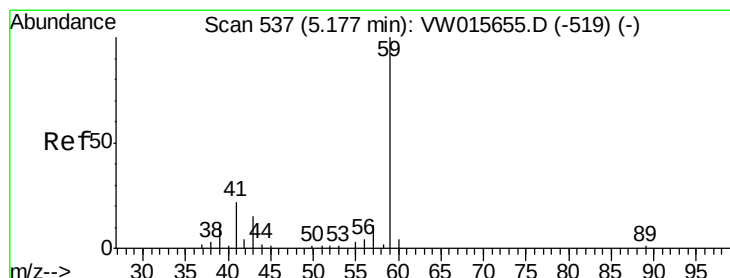
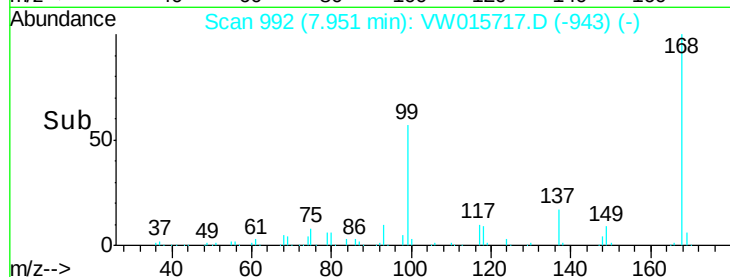
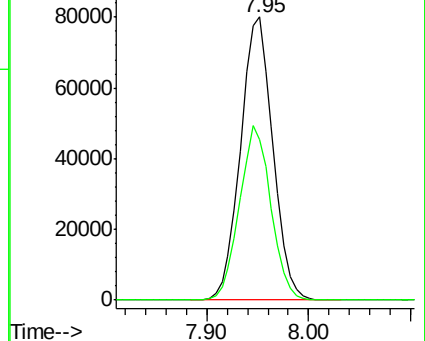
168 100

99 56.9 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: 5.21 min Scan# 542

Delta R.T. 0.03 min

Lab File: VW015717.D

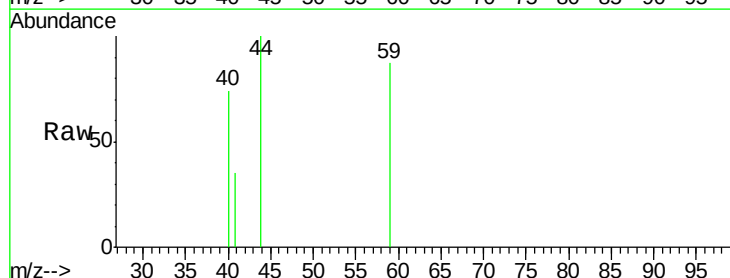
Acq: 25 Jun 2020 10:04

Tgt Ion: 59 Resp: 94

Ion Ratio Lower Upper

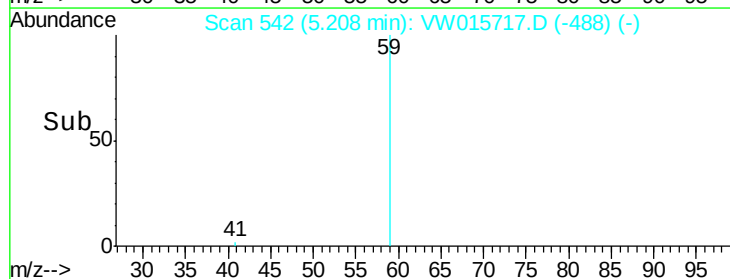
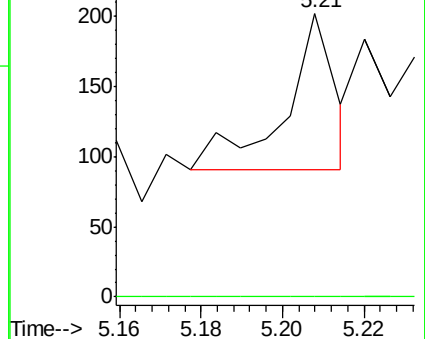
59 100

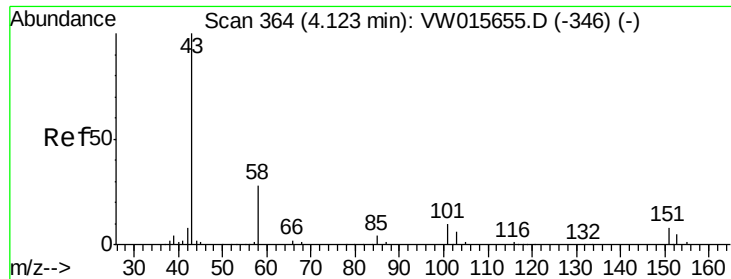
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 8.652 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW015717.D

Acq: 25 Jun 2020 10:04

Instrument :

MSVOA_W

ClientSampled :

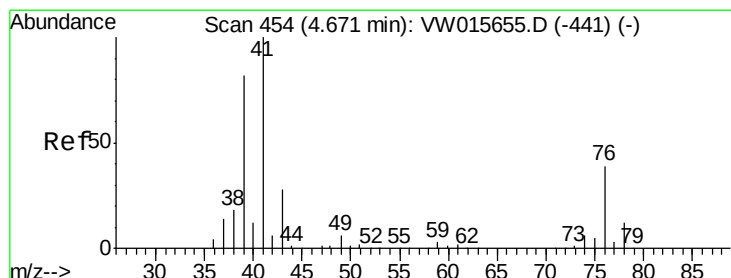
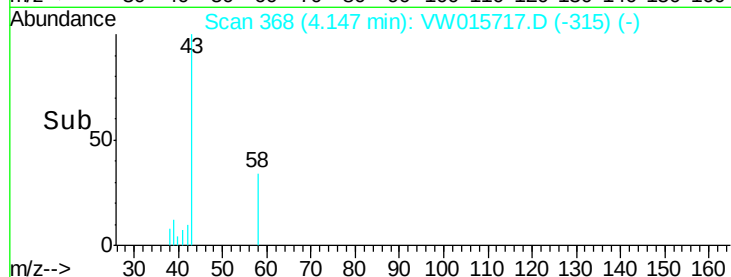
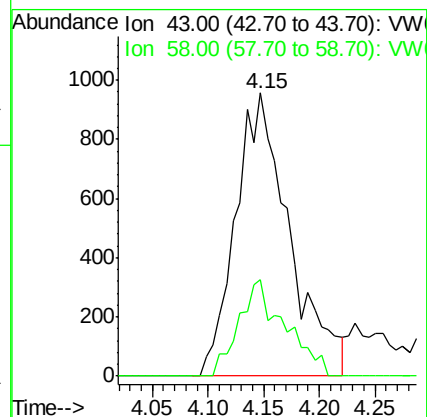
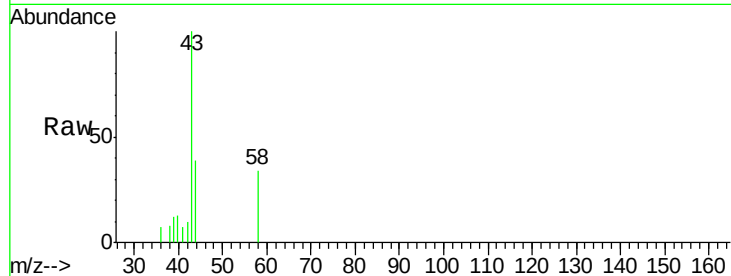
VW0625SBL01

Tot Ion: 43 Resp: 3218

Ion Ratio Lower Upper

43 100

58 34.2 22.6 33.8#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015717.D

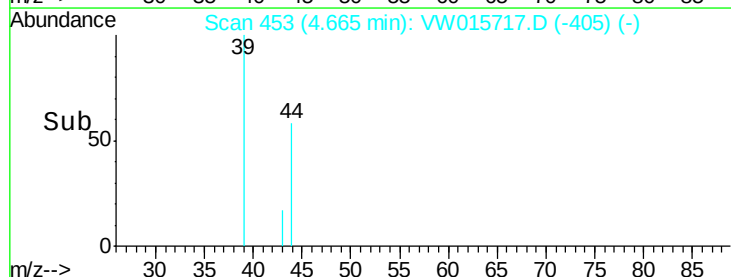
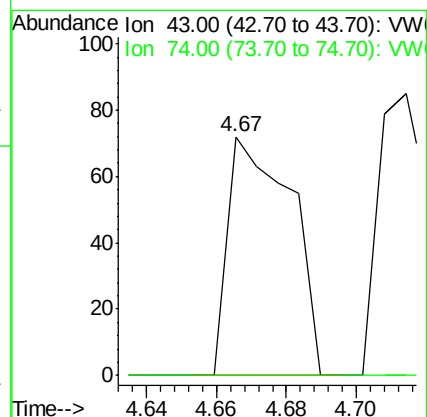
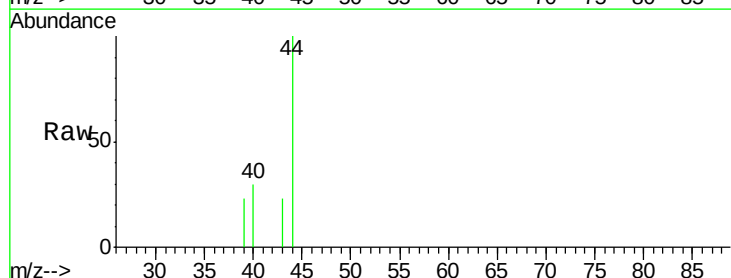
Acq: 25 Jun 2020 10:04

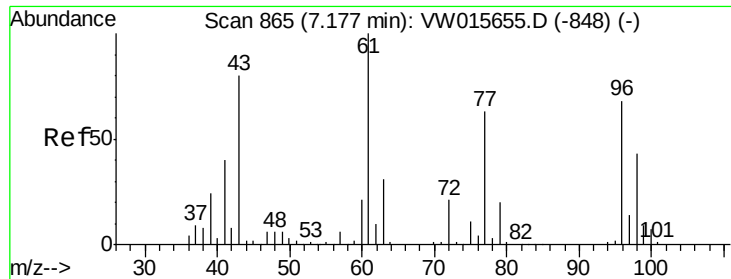
Tgt Ion: 43 Resp: 91

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#





#25

2-Butanone

Concen: 3.628 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.02 min

Lab File: VW015717.D

Acq: 25 Jun 2020 10:04

Instrument :

MSVOA_W

ClientSampleId :

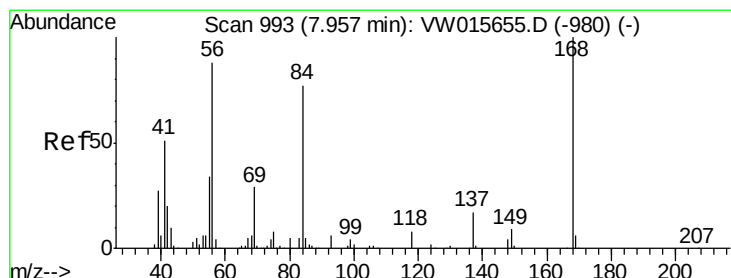
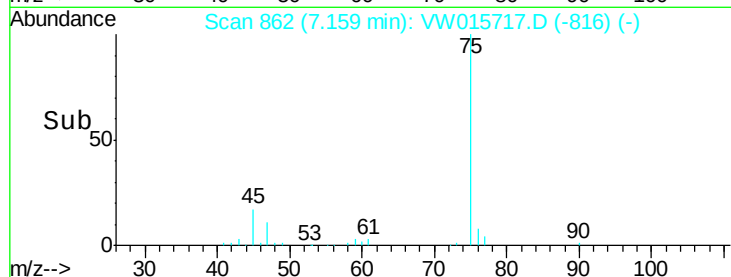
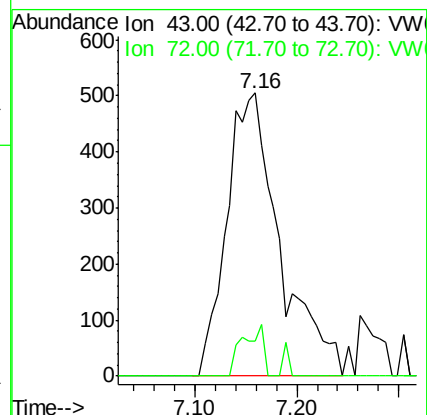
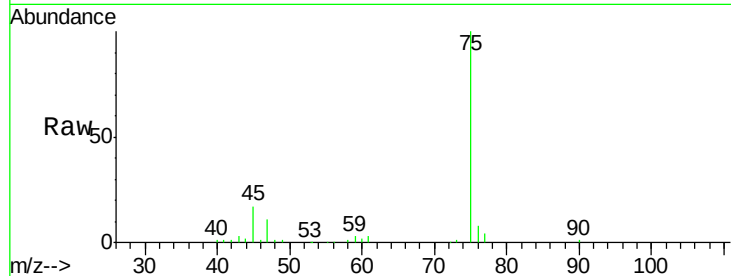
VW0625SBL01

Tot Ion: 43 Resp: 1824

Ion Ratio Lower Upper

43 100

72 12.3 21.1 31.7#



#31

Cyclohexane

Concen: 1.305 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015717.D

Acq: 25 Jun 2020 10:04

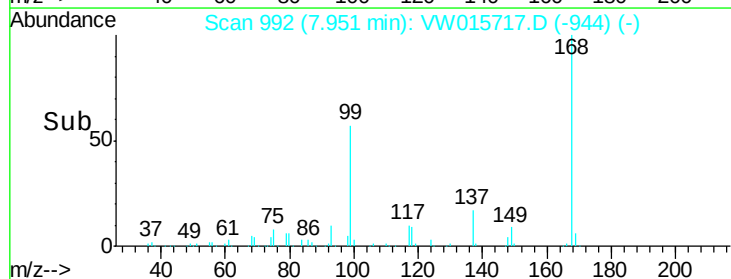
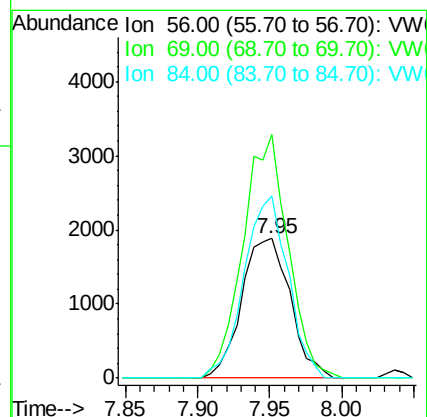
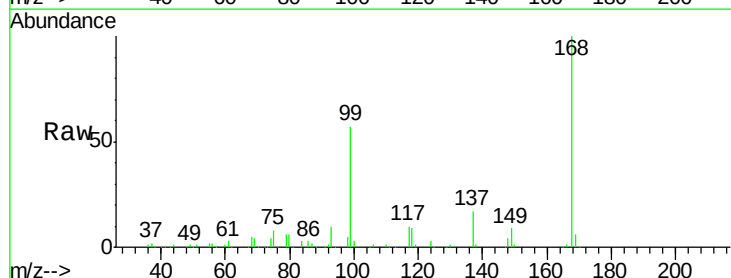
Tgt Ion: 56 Resp: 4399

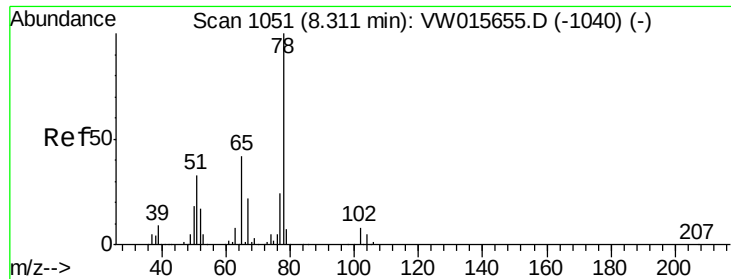
Ion Ratio Lower Upper

56 100

69 174.3 26.2 39.4#

84 130.8 70.4 105.6#

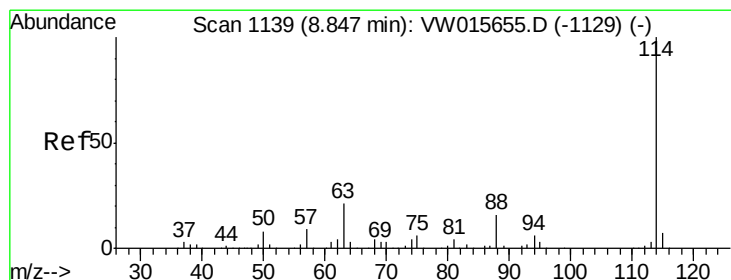
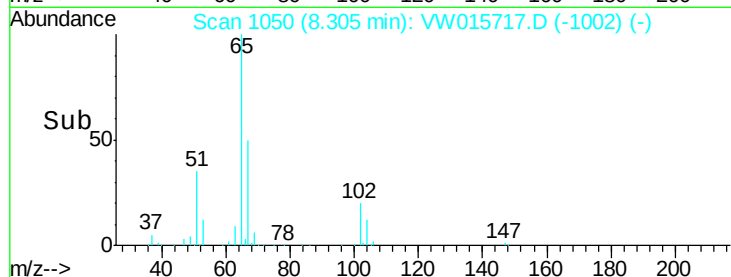
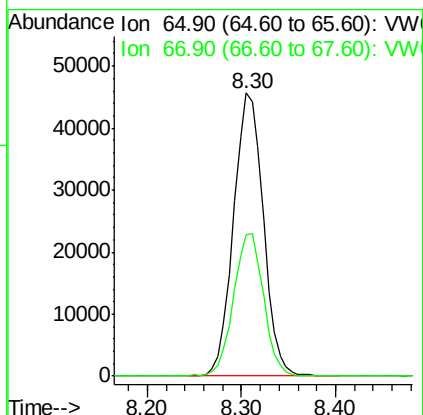
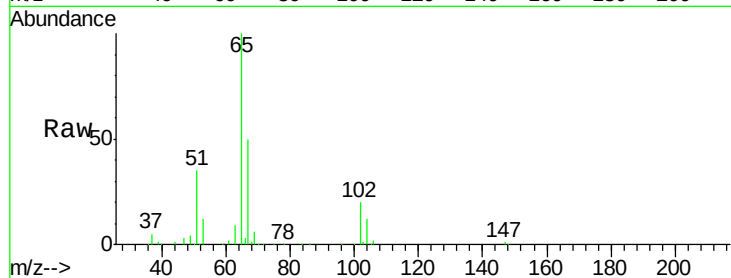




#33
 1,2-Dichloroethane-d4
 Concen: 51.518 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW015717.D
 Acq: 25 Jun 2020 10:04

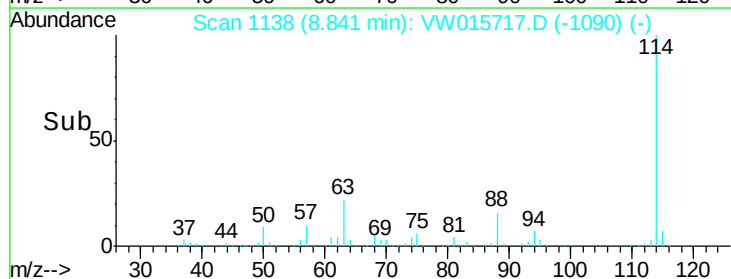
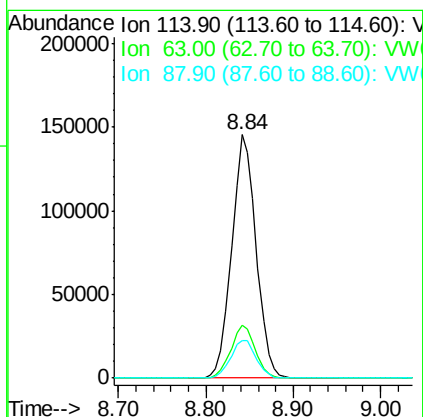
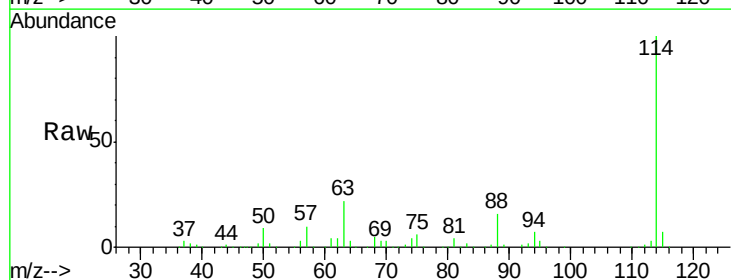
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0625SBL01

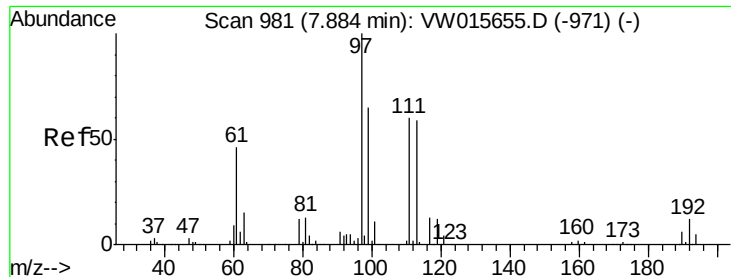
Tot Ion: 65 Resp: 100798
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW015717.D
 Acq: 25 Jun 2020 10:04

Tgt Ion: 114 Resp: 281464
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 42.4
 88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.254 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015717.D

Acq: 25 Jun 2020 10:04

Instrument :

MSVOA_W

ClientSampleId :

VW0625SBL01

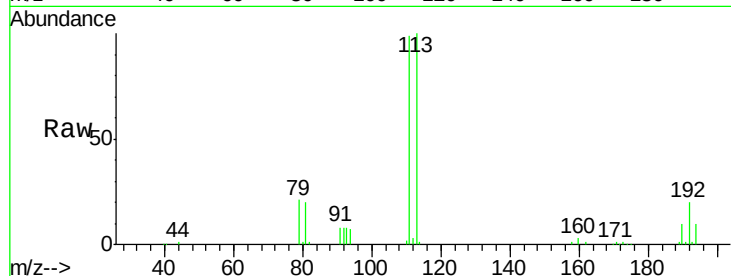
Tot Ion:113 Resp: 88974

Ion Ratio Lower Upper

113 100

111 102.1 82.3 123.5

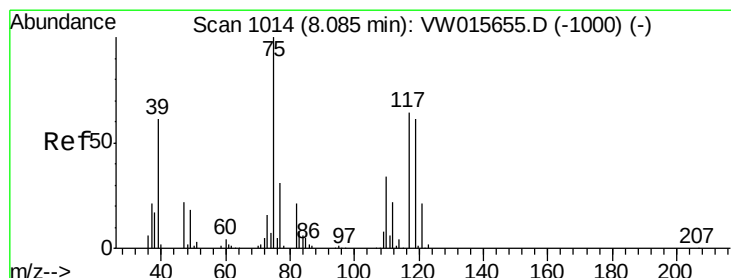
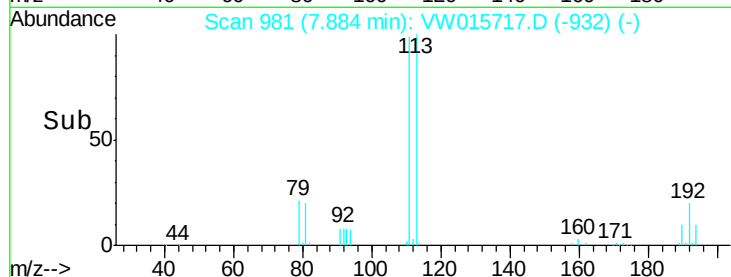
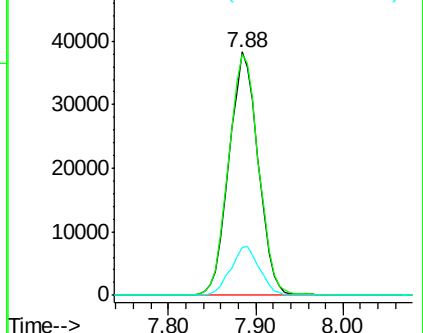
192 19.9 16.4 24.6



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: 5.039 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW015717.D

Acq: 25 Jun 2020 10:04

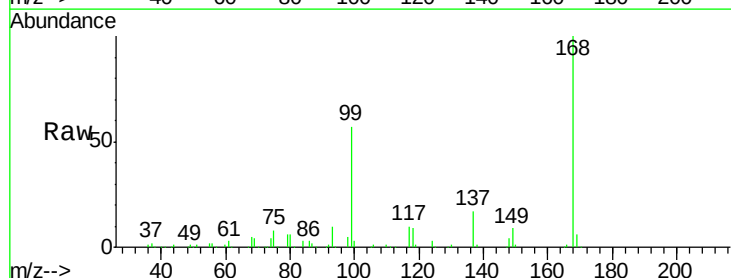
Tgt Ion: 75 Resp: 14753

Ion Ratio Lower Upper

75 100

110 8.7 17.0 51.0#

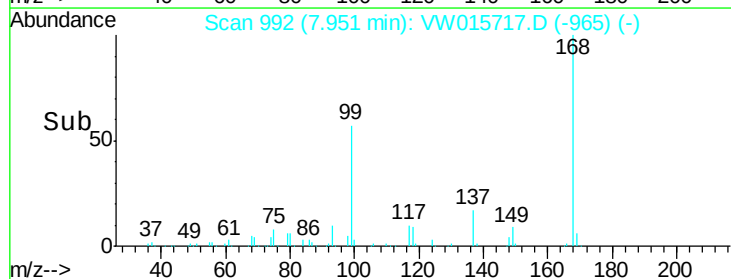
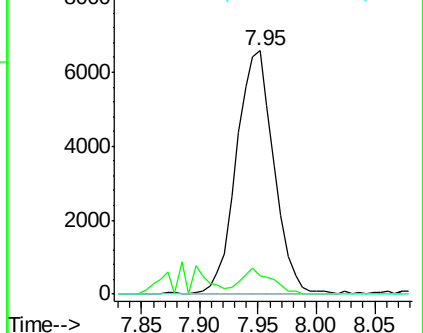
77 0.0 24.6 36.8#

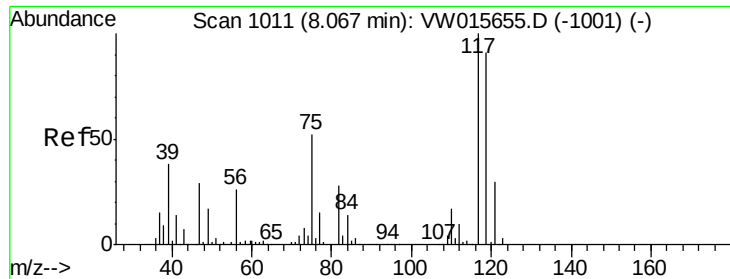


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.360 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW015717.D

Acq: 25 Jun 2020 10:04

Instrument :

MSVOA_W

ClientSampleId :

VW0625SBL01

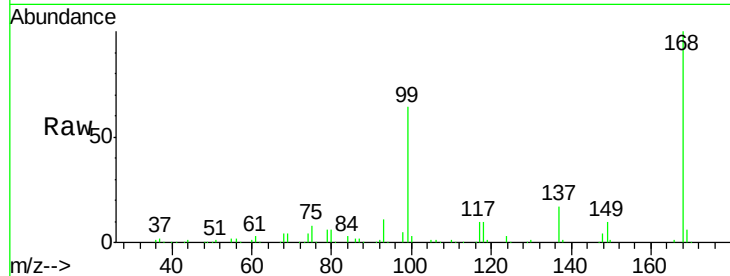
Tot Ion:117 Resp: 18049

Ion Ratio Lower Upper

117 100

119 6.1 73.2 109.8#

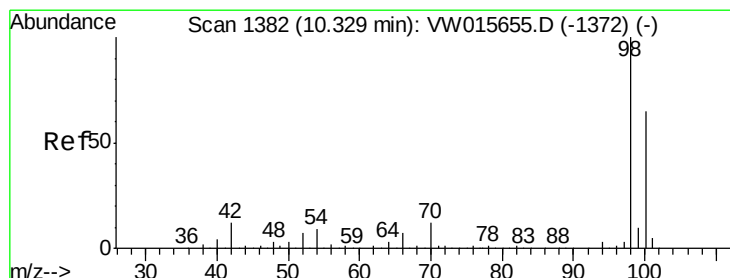
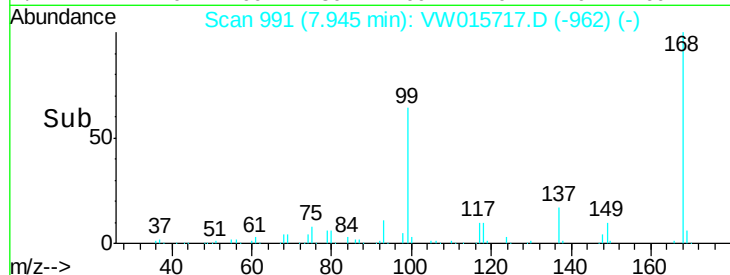
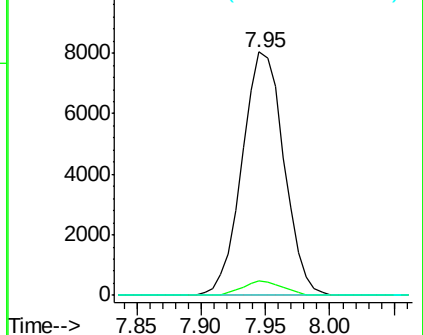
121 0.0 23.9 35.9#



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: 50.098 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015717.D

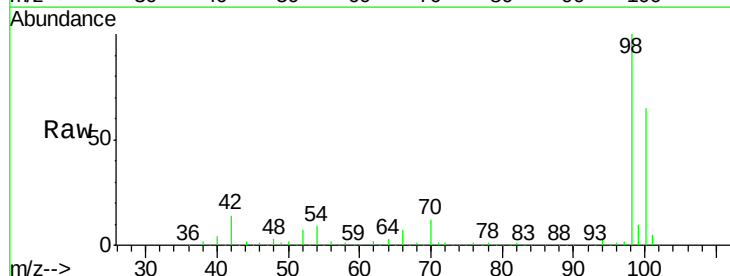
Acq: 25 Jun 2020 10:04

Tgt Ion: 98 Resp: 349059

Ion Ratio Lower Upper

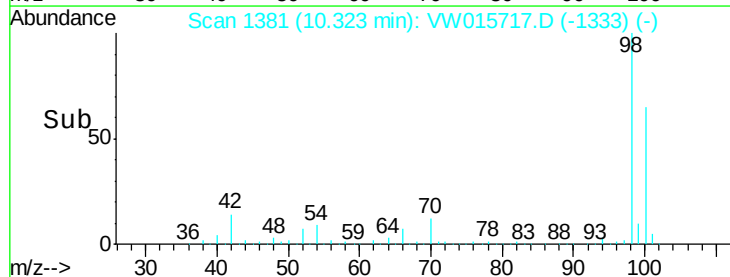
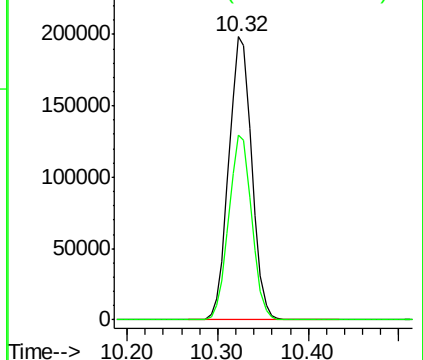
98 100

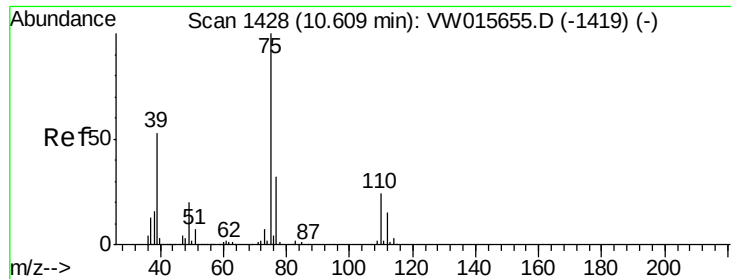
100 65.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#53

t-1,3-Dichloropropene

Concen: 1.058 ug/l

RT: 10.70 min Scan# 1443

Delta R.T. 0.09 min

Lab File: VW015717.D

Acq: 25 Jun 2020 10:04

Instrument :

MSVOA_W

ClientSampleId :

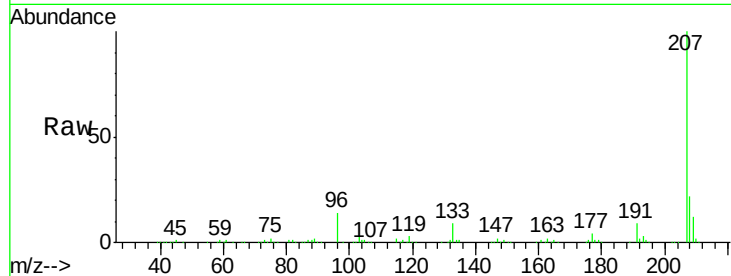
VW0625SBL01

Tot Ion: 75 Resp: 2683

Ion Ratio Lower Upper

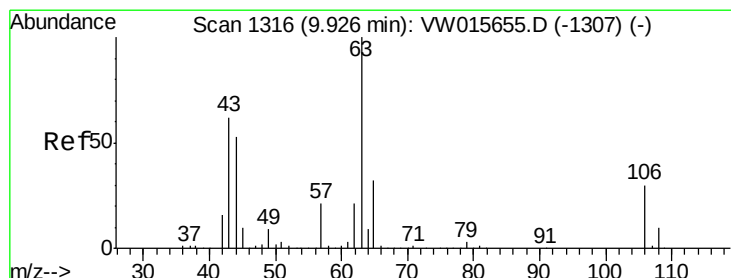
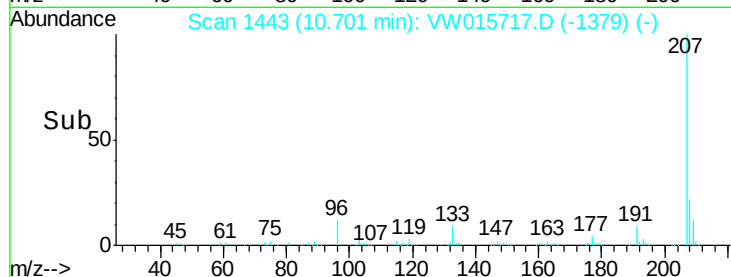
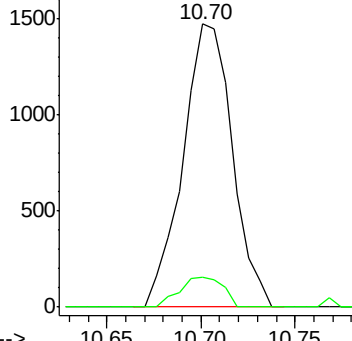
75 100

77 10.7 25.3 37.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 1.252 ug/l

RT: 9.93 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VW015717.D

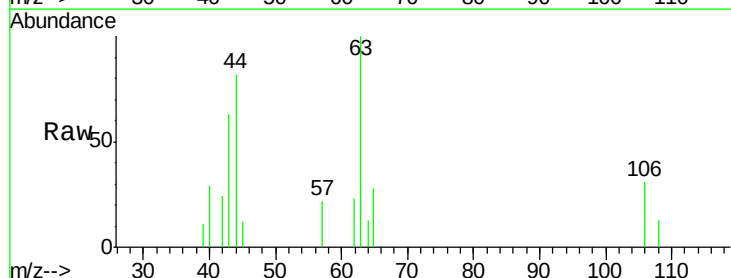
Acq: 25 Jun 2020 10:04

Tgt Ion: 63 Resp: 1032

Ion Ratio Lower Upper

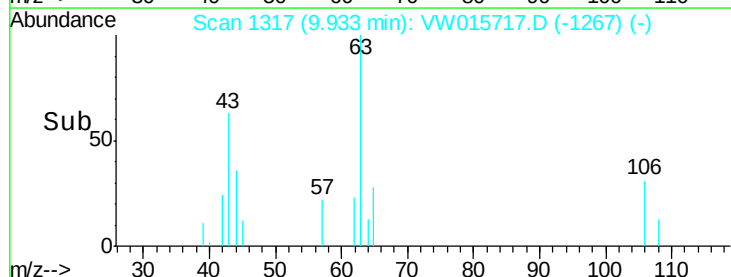
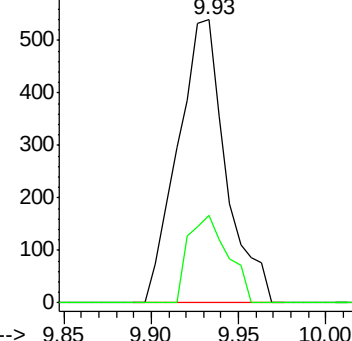
63 100

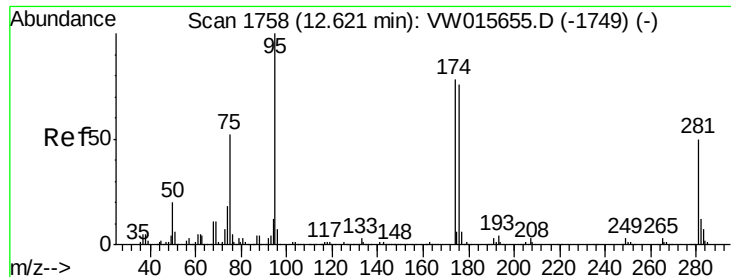
106 25.4 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





#62

4-Bromofluorobenzene

Concen: 47.541 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015717.D

Acq: 25 Jun 2020 10:04

Instrument :

MSVOA_W

ClientSampleId :

VW0625SBL01

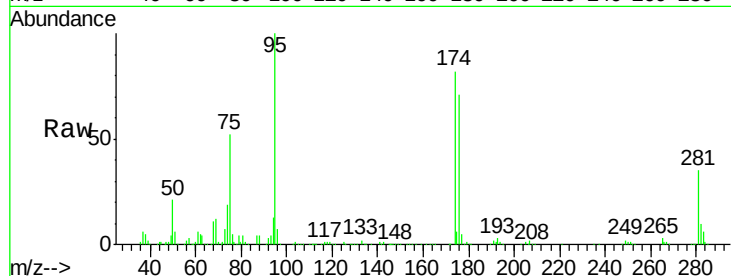
Tot Ion: 95 Resp: 121989

Ion Ratio Lower Upper

95 100

174 79.5 0.0 157.0

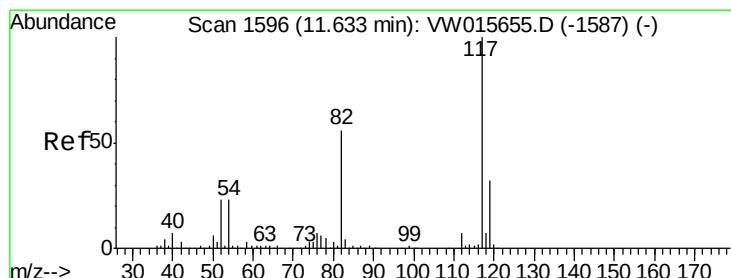
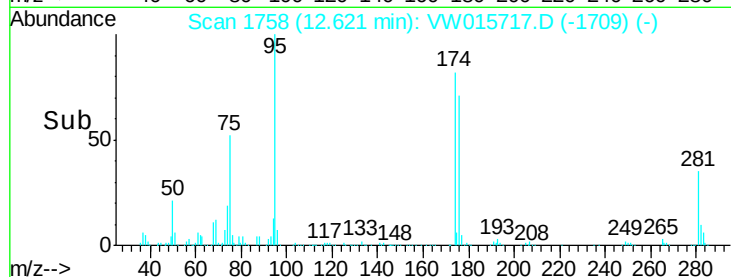
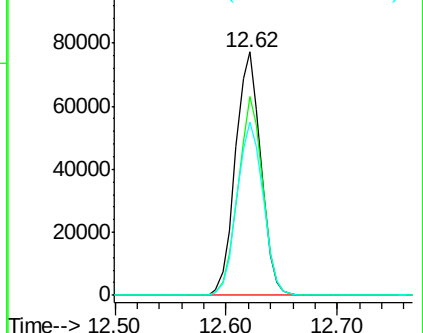
176 73.3 0.0 151.4



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: VW015717.D

Acq: 25 Jun 2020 10:04

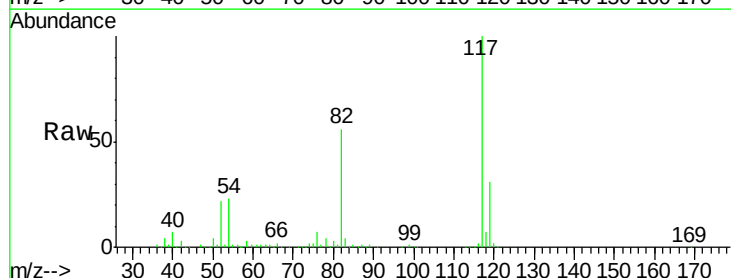
Tgt Ion: 117 Resp: 255127

Ion Ratio Lower Upper

117 100

82 55.5 45.1 67.7

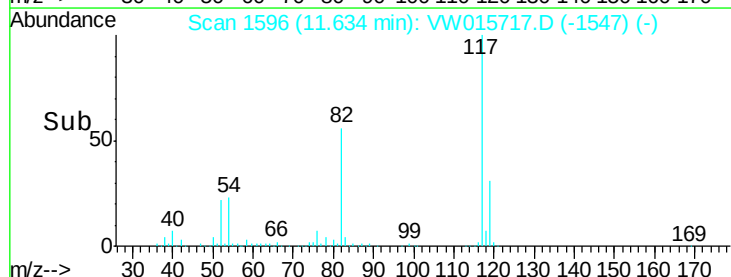
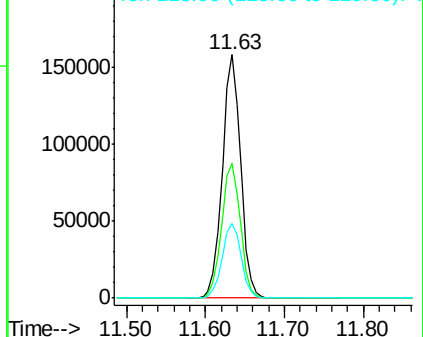
119 30.6 25.8 38.8

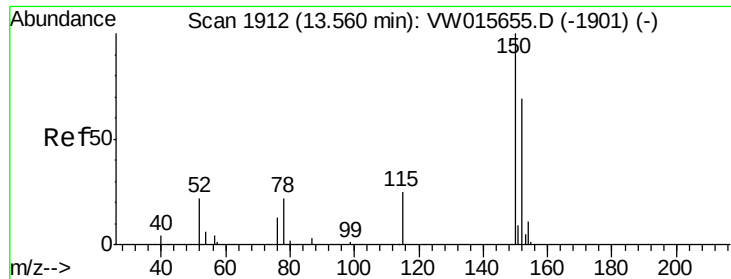


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW015717.D

Acq: 25 Jun 2020 10:04

Instrument :

MSVOA_W

ClientSampleId :

VW0625SBL01

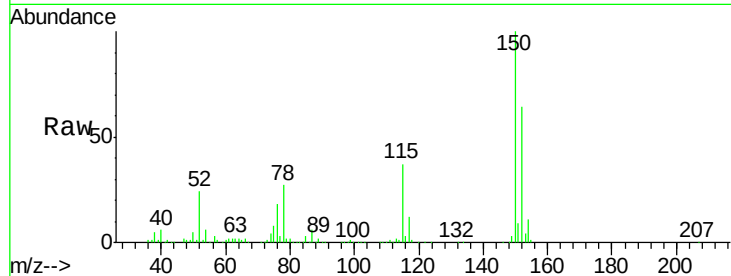
Tot Ion:152 Resp: 118672

Ion Ratio Lower Upper

152 100

115 59.6 30.1 90.5

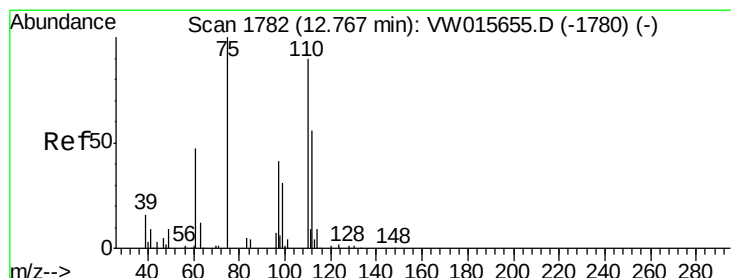
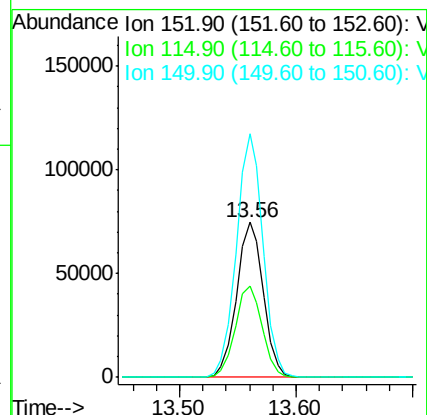
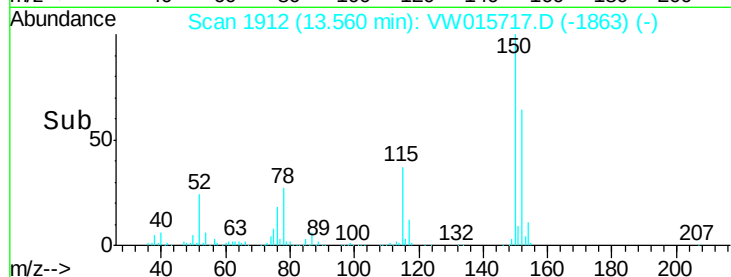
150 156.9 0.0 345.6



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: 61.489 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015717.D

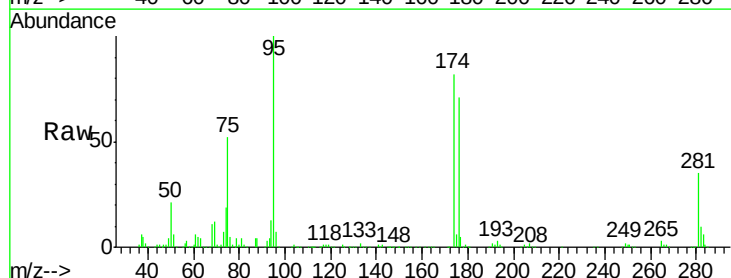
Acq: 25 Jun 2020 10:04

Tgt Ion: 75 Resp: 66560

Ion Ratio Lower Upper

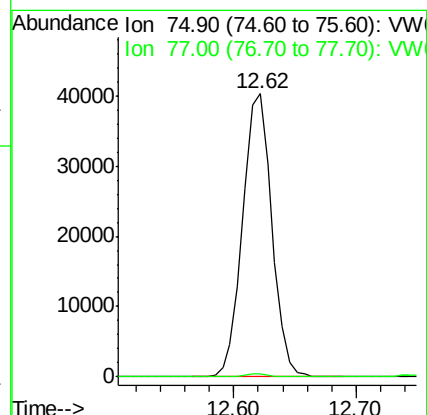
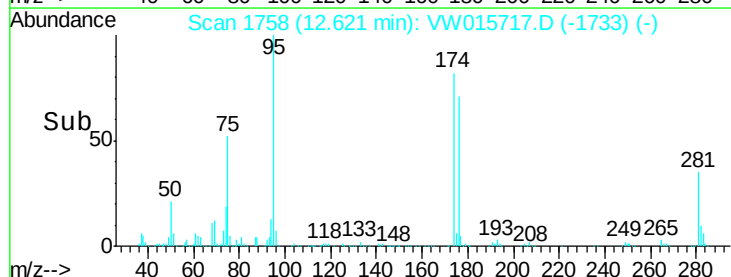
75 100

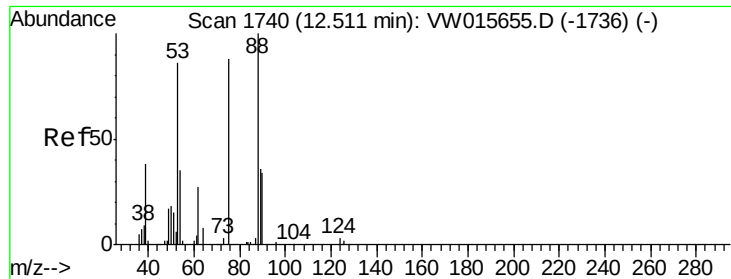
77 1.0 179.1 537.1#



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: 154.954 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015717.D

Acq: 25 Jun 2020 10:04

Instrument :

MSVOA_W

ClientSampleId :

VW0625SBL01

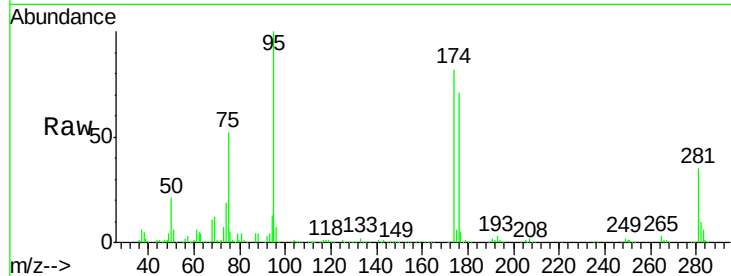
Tot Ion: 75 Resp: 66560

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

89 0.4 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

