

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062620\
 Data File : VW015739.D
 Acq On : 26 Jun 2020 10:32
 Operator : SY/VA
 Sample : VW0626SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 27 01:47:07 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	185082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	297051	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	266164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	125718	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	101946	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
35) Dibromofluoromethane	7.88	113	89431	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
50) Toluene-d8	10.32	98	353765	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
62) 4-Bromofluorobenzene	12.62	95	124296	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	

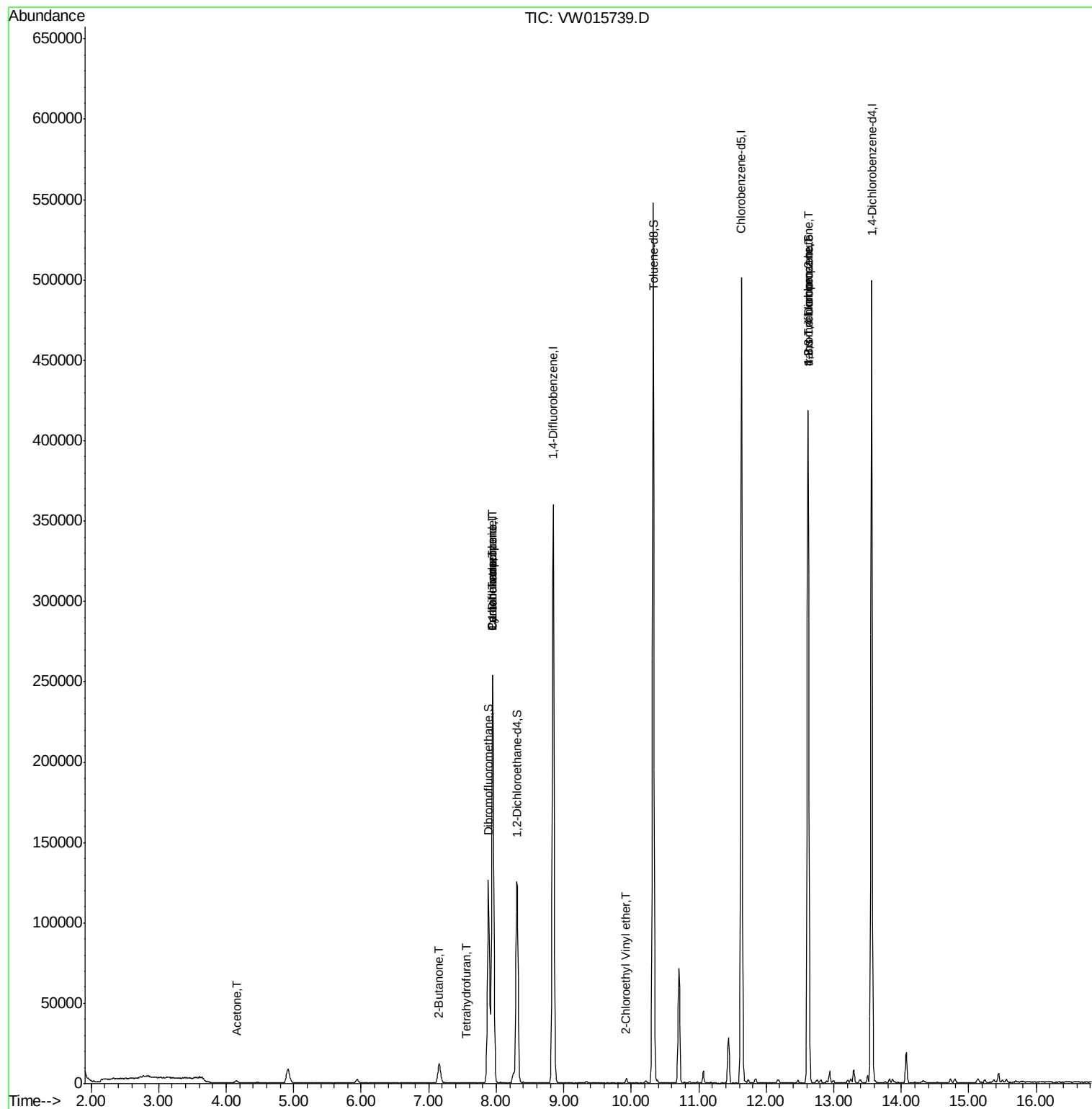
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	214	Below Cal	#	72
16) Acetone	4.15	43	2775	7.089	ug/l	98
18) Methyl Acetate	4.68	43	334	Below Cal	#	52
20) Methylene Chloride	4.92	84	7030	Below Cal		99
25) 2-Butanone	7.16	43	777	1.469	ug/l #	49
29) Tetrahydrofuran	7.56	42	320	1.029	ug/l #	43
31) Cyclohexane	7.95	56	4856	1.369	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	15844	5.128	ug/l #	50
38) Carbon Tetrachloride	7.95	117	19202	6.411	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.93	63	1332	1.531	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	67140	58.549	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	67140	147.544	ug/l #	8

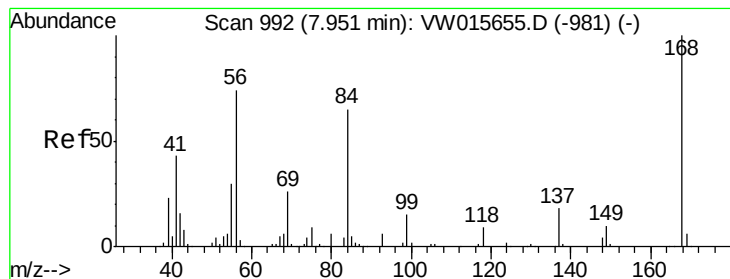
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062620\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 23 13:20:19 2020
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: VW015739.D

Acq: 26 Jun 2020 10:32

Instrument :

MSVOA_W

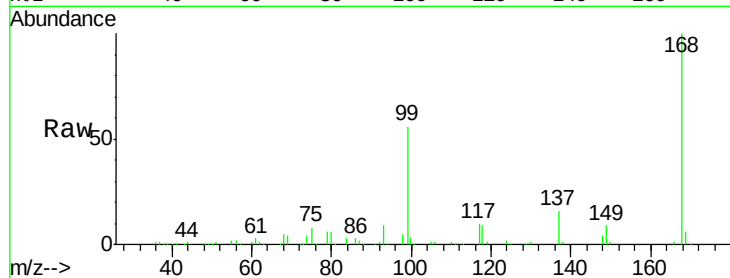
ClientSampleId :

Tot Ion:168 Resp: 185082

Ion Ratio Lower Upper

168 100

99 55.9 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

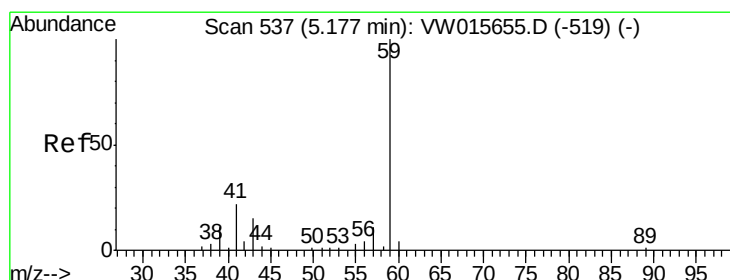
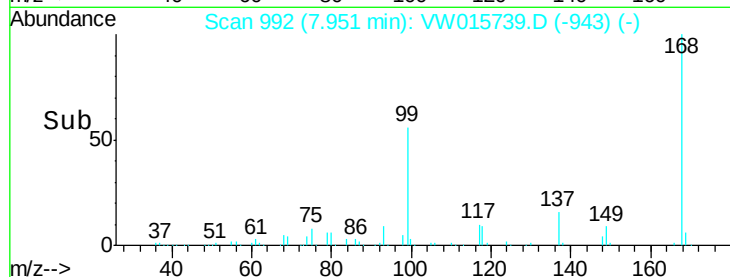
40000

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: VW015739.D

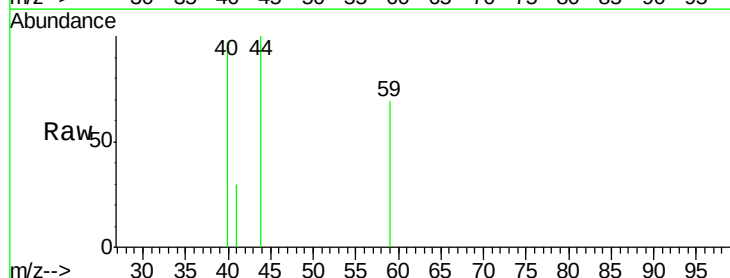
Acq: 26 Jun 2020 10:32

Tgt Ion: 59 Resp: 214

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

5.20

150

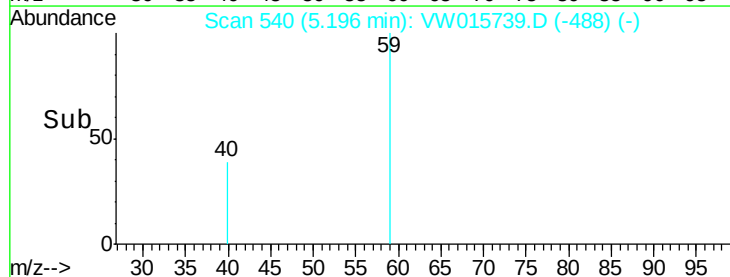
100

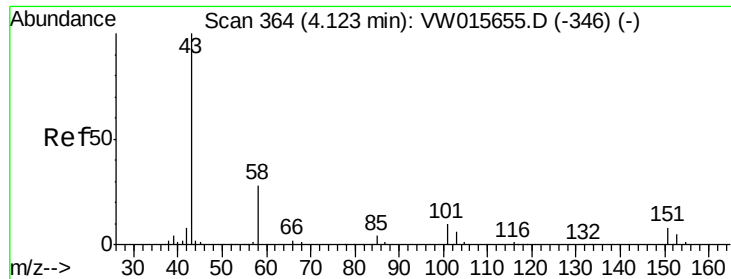
50

0

5.16 5.18 5.20 5.22

Time-->

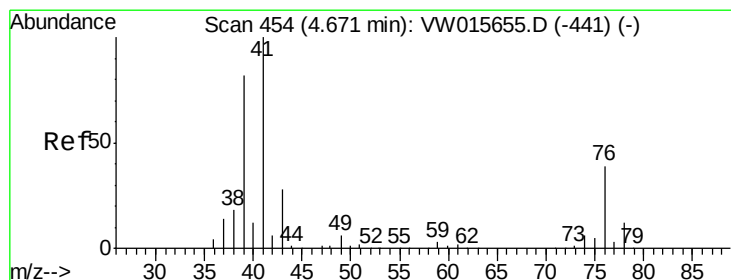
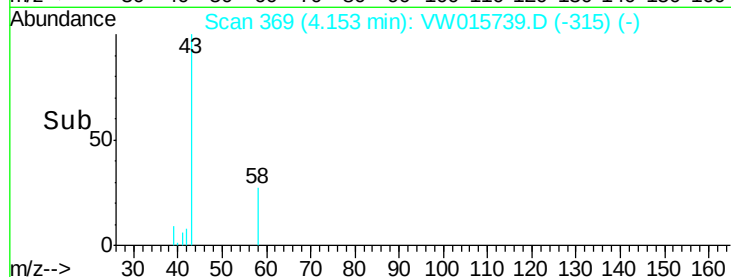
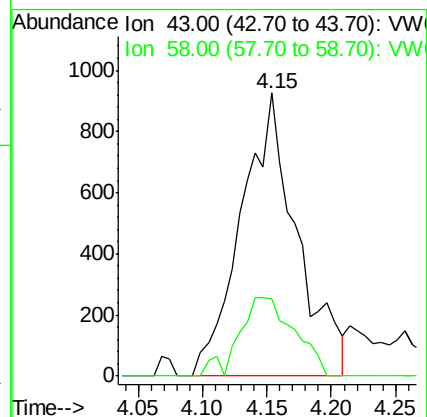
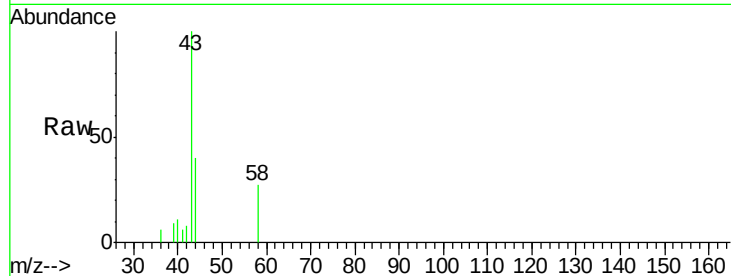




#16
Acetone
Concen: 7.089 ug/l
RT: 4.15 min Scan# 369
Delta R.T. 0.03 min
Lab File: VW015739.D
Acq: 26 Jun 2020 10:32

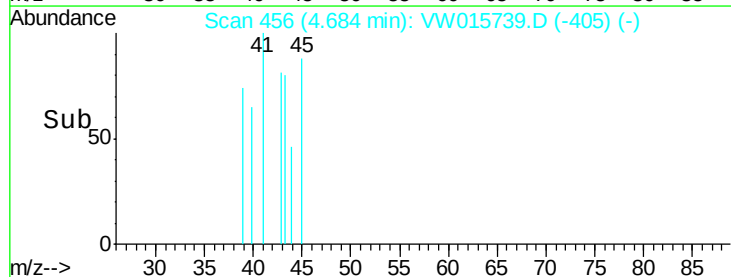
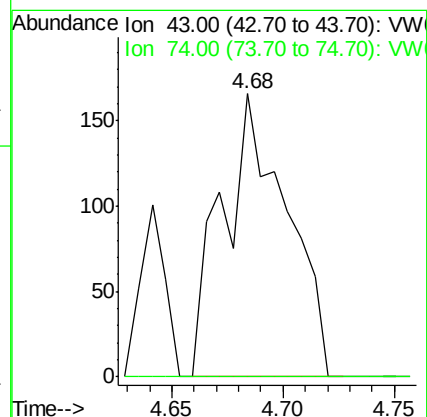
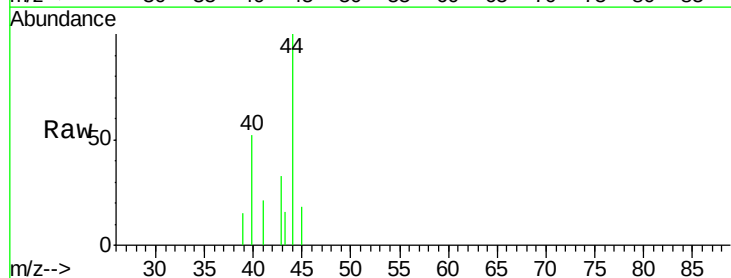
Instrument :
MSVOA_W
ClientSampled :

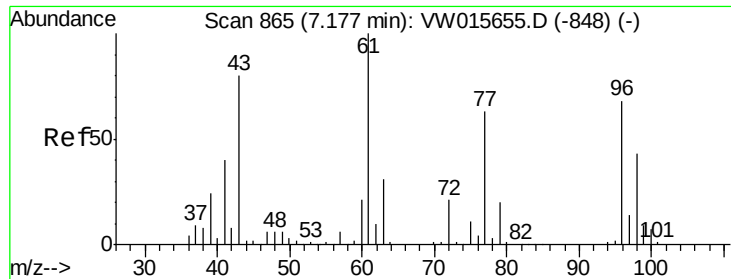
Tot Ion: 43 Resp: 2775
Ion Ratio Lower Upper
43 100
58 27.3 22.6 33.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW015739.D
Acq: 26 Jun 2020 10:32

Tgt Ion: 43 Resp: 334
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#

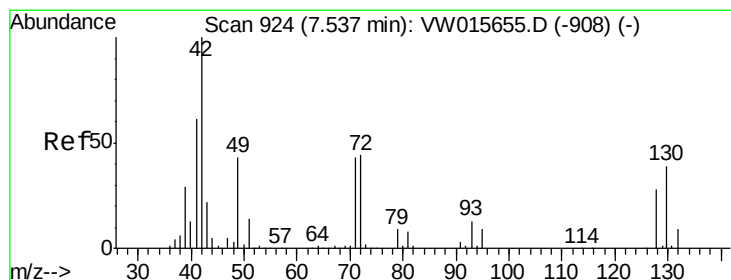
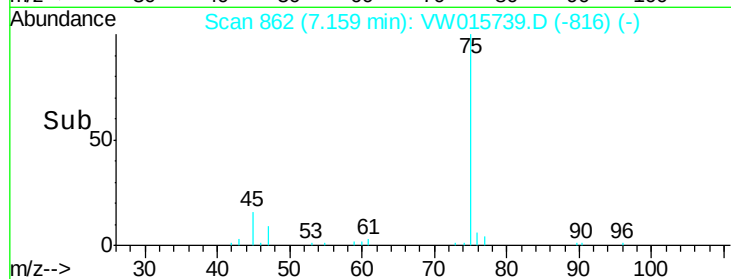
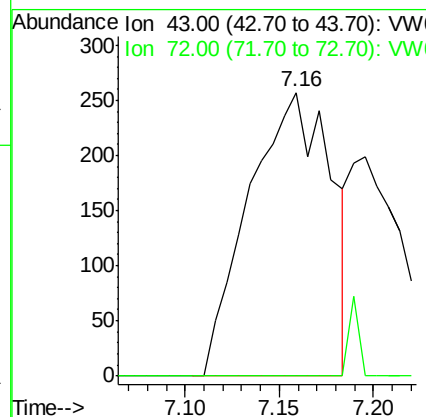
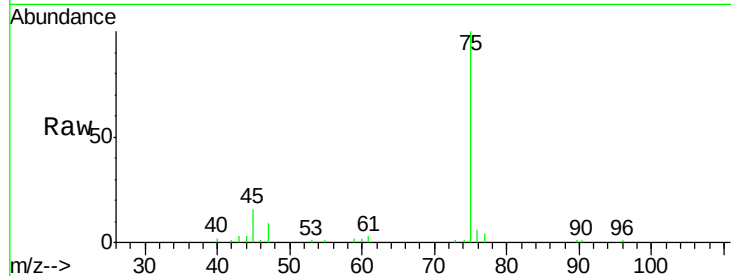




#25
 2-Butanone
 Concen: 1.469 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.02 min
 Lab File: VW015739.D
 Acq: 26 Jun 2020 10:32

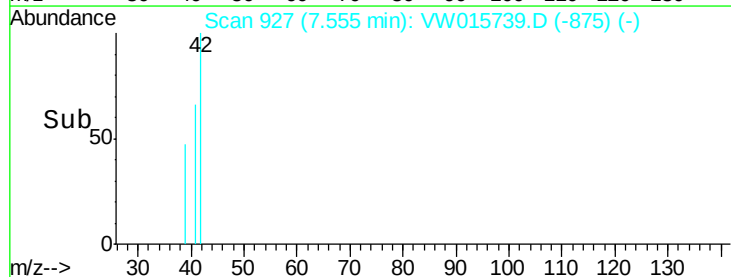
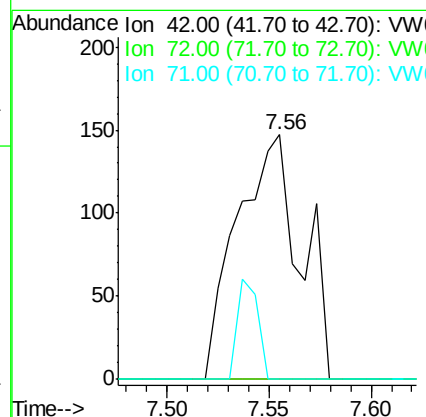
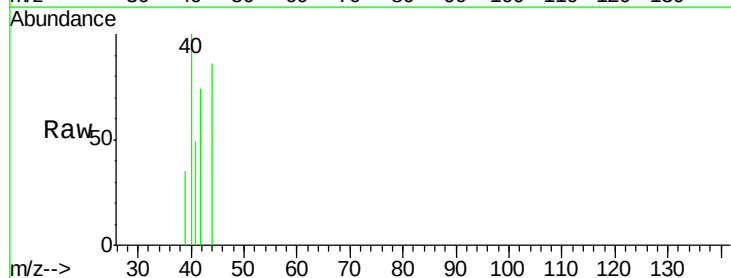
Instrument :
 MSVOA_W
 ClientSampleId :

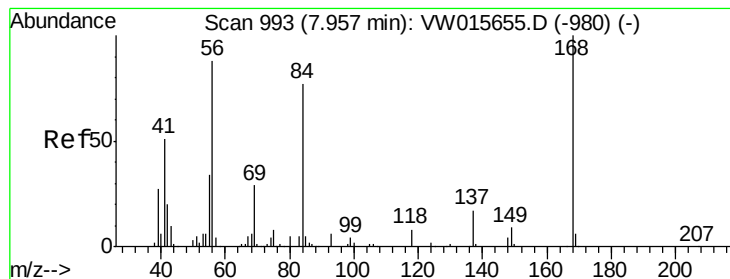
Tot Ion: 43 Resp: 777
 Ion Ratio Lower Upper
 43 100
 72 0.0 21.1 31.7#



#29
 Tetrahydrofuran
 Concen: 1.029 ug/l
 RT: 7.56 min Scan# 927
 Delta R.T. 0.02 min
 Lab File: VW015739.D
 Acq: 26 Jun 2020 10:32

Tgt Ion: 42 Resp: 320
 Ion Ratio Lower Upper
 42 100
 72 0.0 35.0 52.6#
 71 12.8 32.6 49.0#





#31

Cyclohexane

Concen: 1.369 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015739.D

Acq: 26 Jun 2020 10:32

Instrument :

MSVOA_W

ClientSampled :

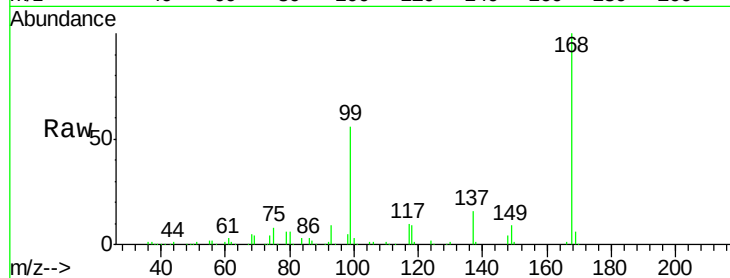
Tot Ion: 56 Resp: 4856

Ion Ratio Lower Upper

56 100

69 156.7 26.2 39.4#

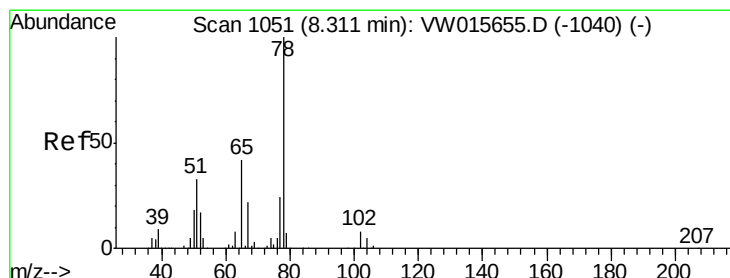
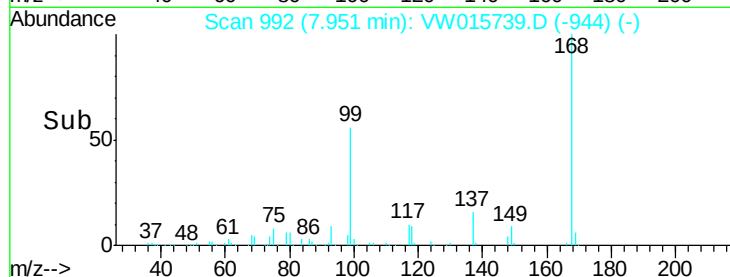
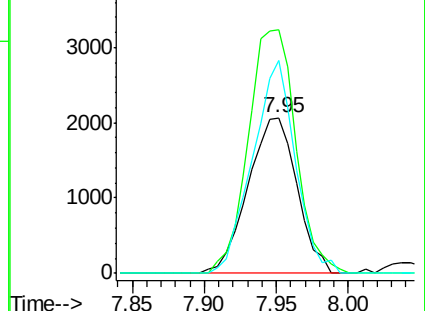
84 137.4 70.4 105.6#



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: 49.505 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW015739.D

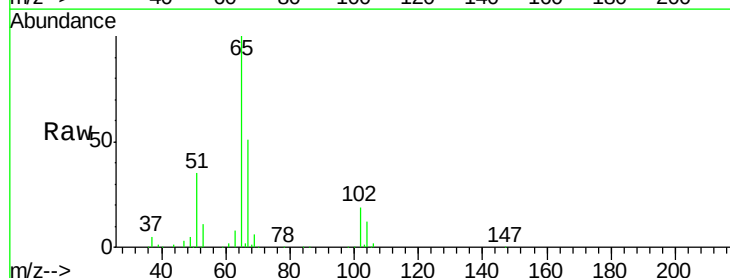
Acq: 26 Jun 2020 10:32

Tgt Ion: 65 Resp: 101946

Ion Ratio Lower Upper

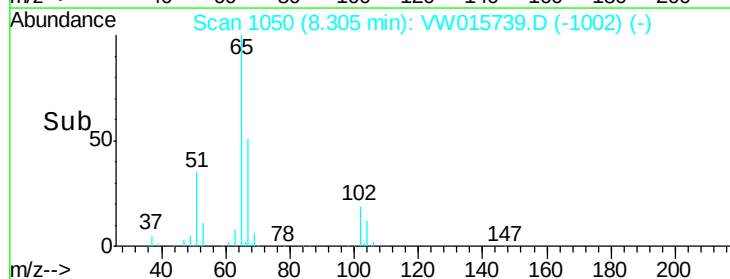
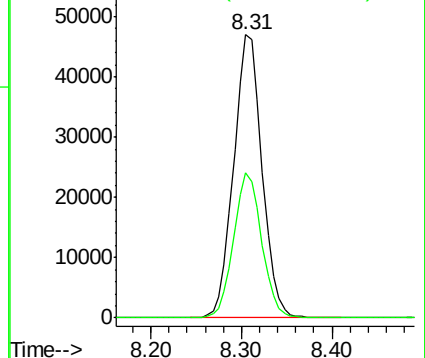
65 100

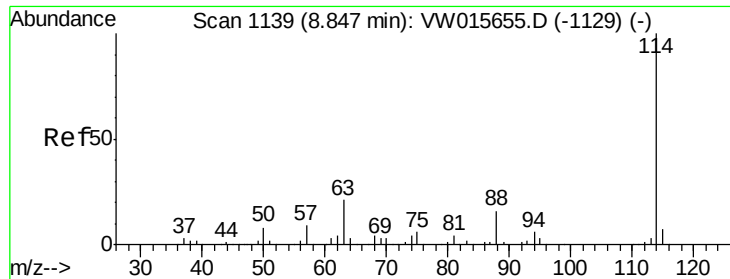
67 51.0 0.0 102.2



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: VW015739.D

Acq: 26 Jun 2020 10:32

Instrument :

MSVOA_W

ClientSampleId :

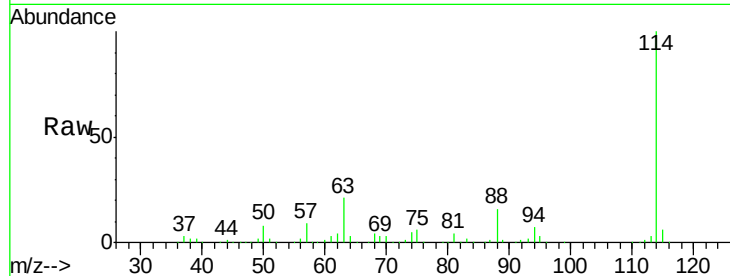
Tot Ion:114 Resp: 297051

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

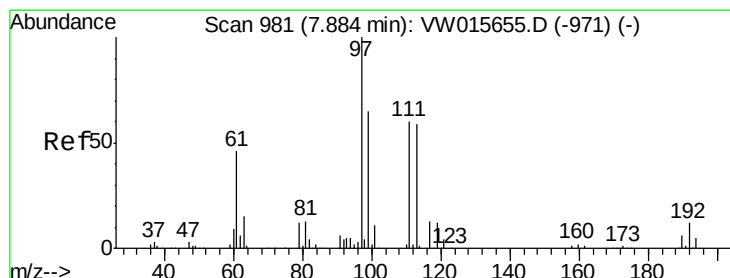
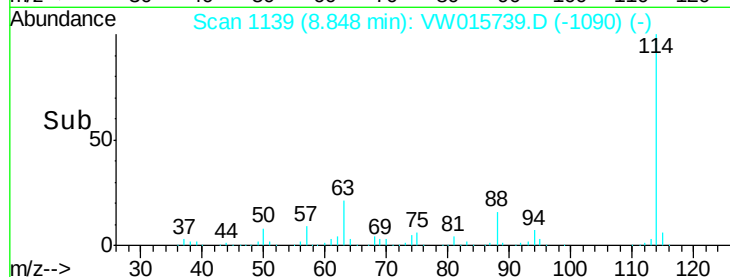
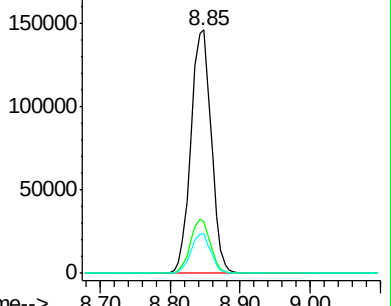
88 16.3 0.0 32.6



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: 47.861 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015739.D

Acq: 26 Jun 2020 10:32

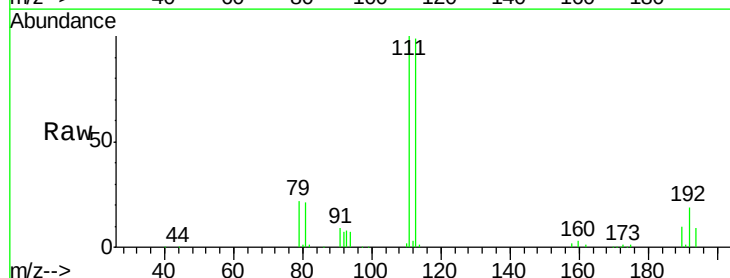
Tgt Ion:113 Resp: 89431

Ion Ratio Lower Upper

113 100

111 102.5 82.3 123.5

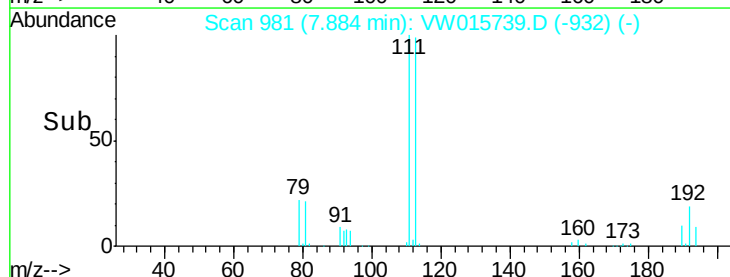
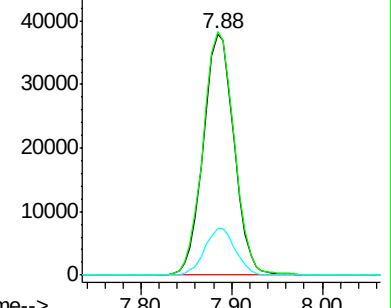
192 19.5 16.4 24.6

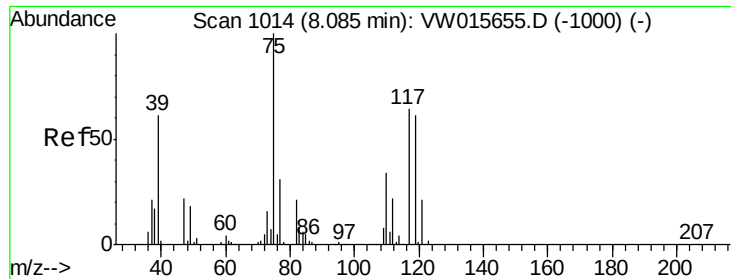


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

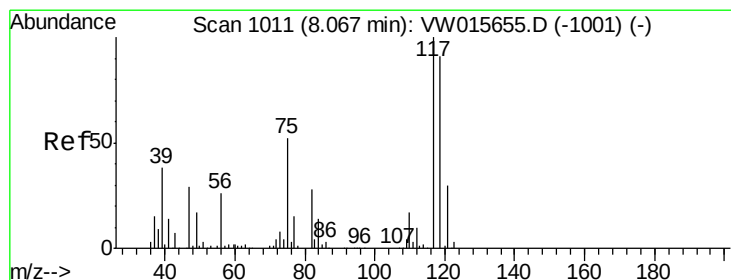
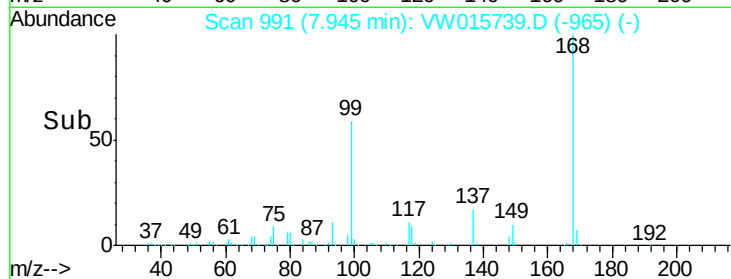
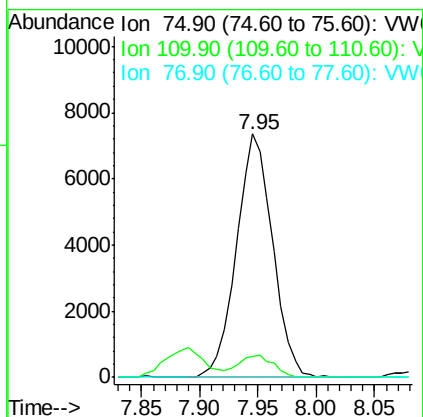
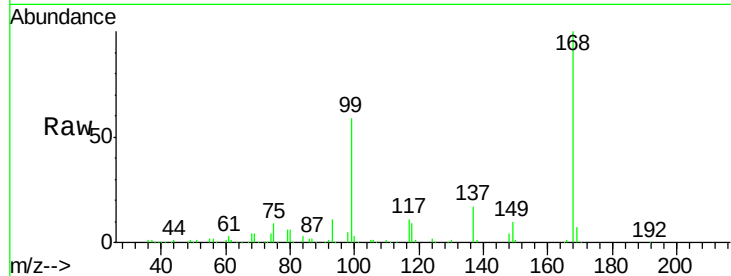




#36
 1,1-Dichloropropene
 Concen: 5.128 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW015739.D
 Acq: 26 Jun 2020 10:32

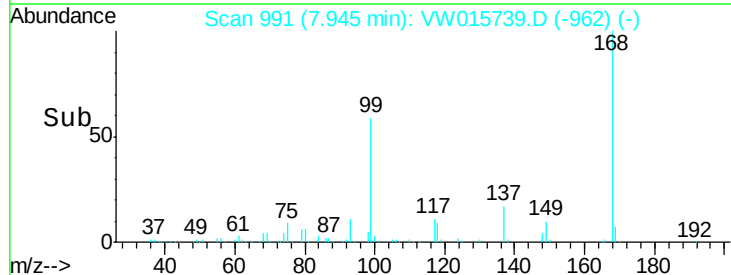
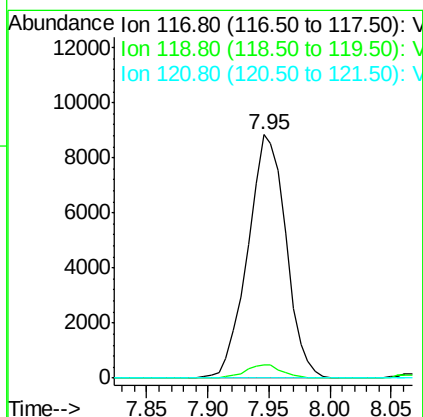
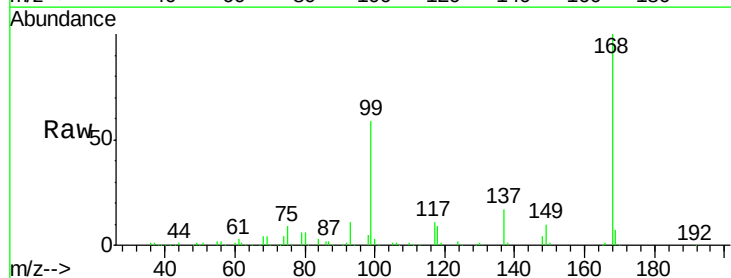
Instrument :
 MSVOA_W
 ClientSampleId :

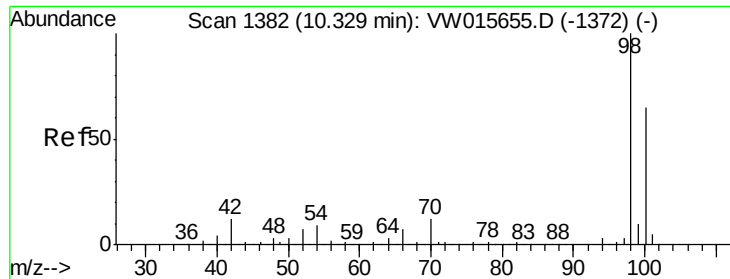
Tot Ion	75	Resp	15844
Ion Ratio	Lower	Upper	
75	100		
110	8.6	17.0	51.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.411 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW015739.D
 Acq: 26 Jun 2020 10:32

Tgt Ion	117	Resp	19202
Ion Ratio	Lower	Upper	
117	100		
119	5.2	73.2	109.8#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 48.109 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015739.D

Acq: 26 Jun 2020 10:32

Instrument :

MSVOA_W

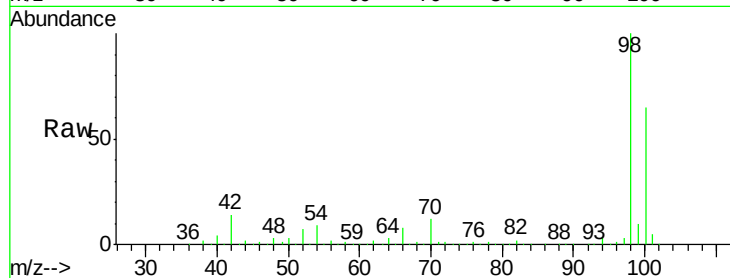
ClientSampled :

Tot Ion: 98 Resp: 353765

Ion Ratio Lower Upper

98 100

100 65.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

200000

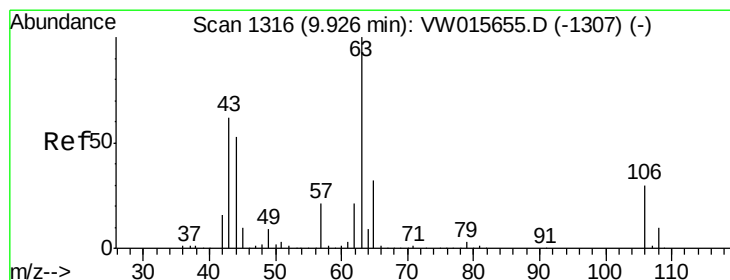
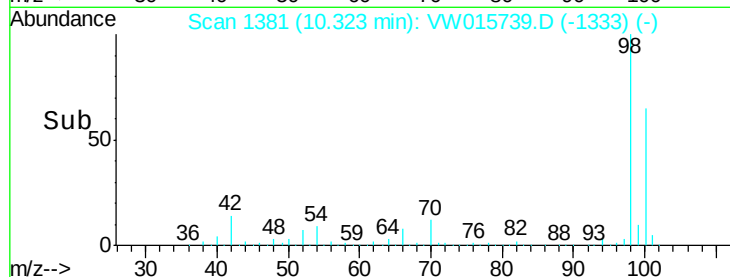
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#58

2-Chloroethyl Vinyl ether

Concen: 1.531 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW015739.D

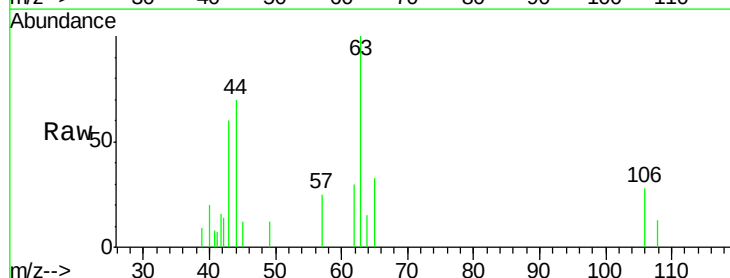
Acq: 26 Jun 2020 10:32

Tgt Ion: 63 Resp: 1332

Ion Ratio Lower Upper

63 100

106 25.2 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): VW

9.93

800

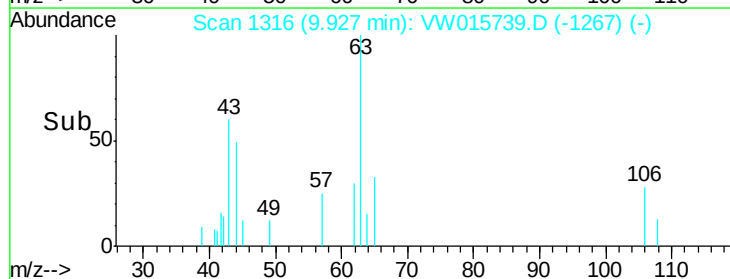
600

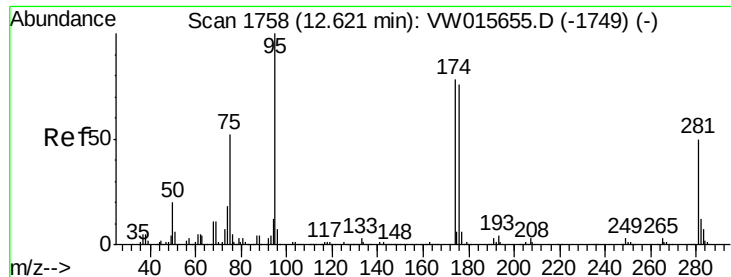
400

200

0

Time--> 9.90 9.95





#62

4-Bromofluorobenzene

Concen: 45.898 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015739.D

Acq: 26 Jun 2020 10:32

Instrument :

MSVOA_W

ClientSampled :

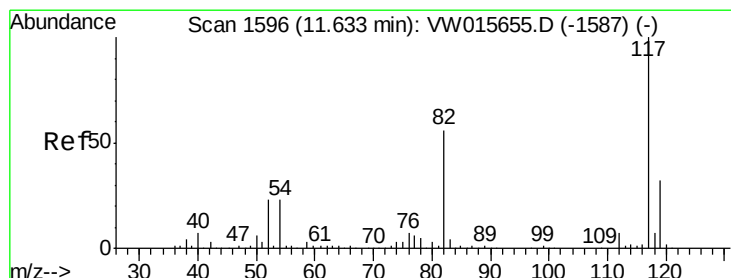
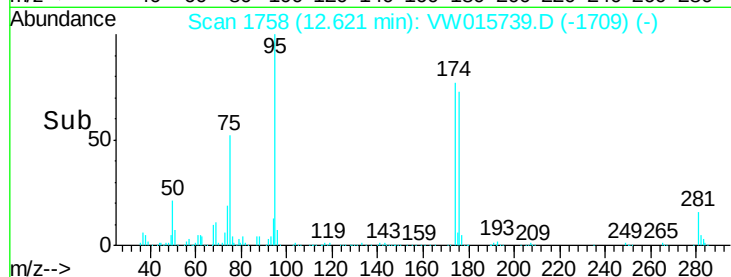
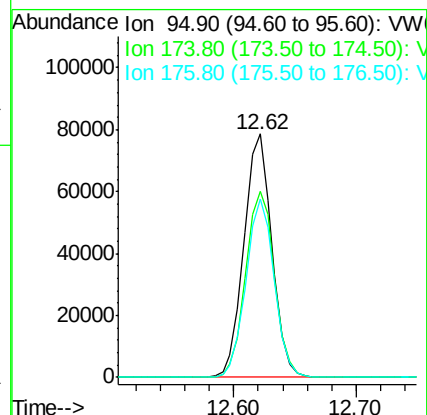
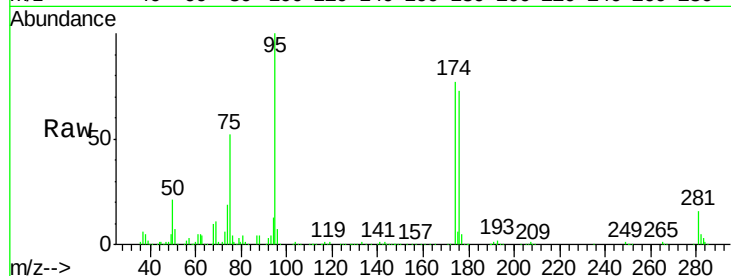
Tot Ion: 95 Resp: 124296

Ion Ratio Lower Upper

95 100

174 79.0 0.0 157.0

176 74.3 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: VW015739.D

Acq: 26 Jun 2020 10:32

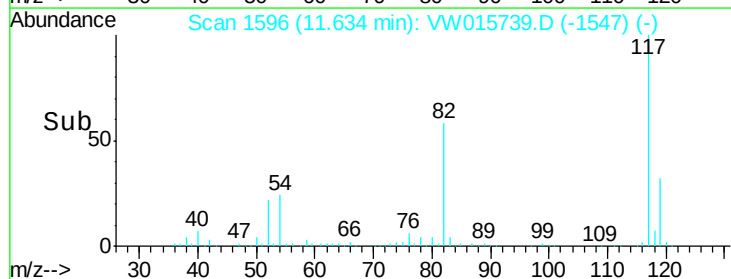
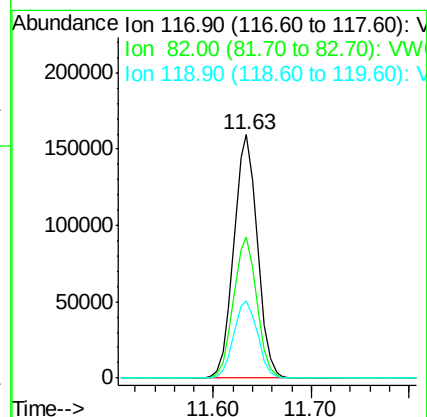
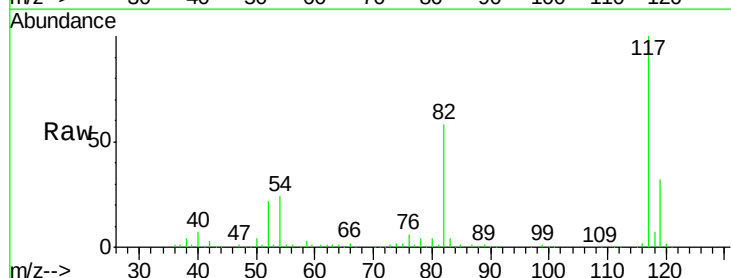
Tgt Ion: 117 Resp: 266164

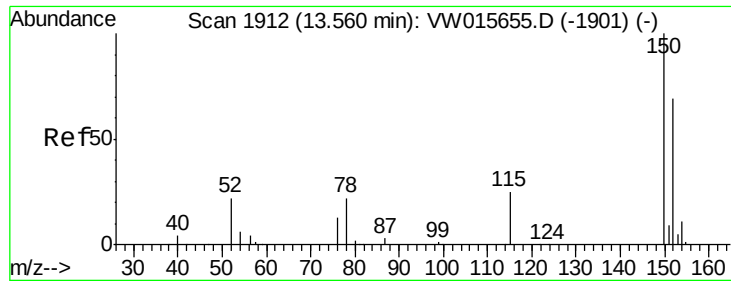
Ion Ratio Lower Upper

117 100

82 58.2 45.1 67.7

119 31.8 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015739.D

Acq: 26 Jun 2020 10:32

Instrument :

MSVOA_W

ClientSampleId :

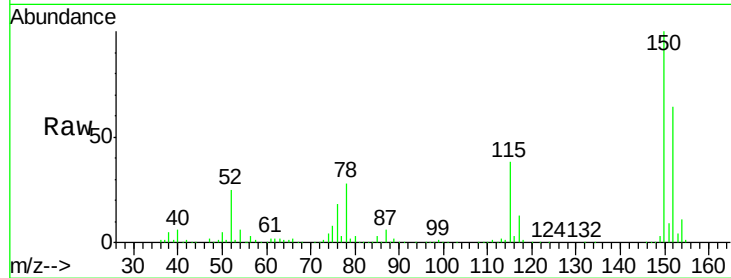
Tot Ion:152 Resp: 125718

Ion Ratio Lower Upper

152 100

115 58.4 30.1 90.5

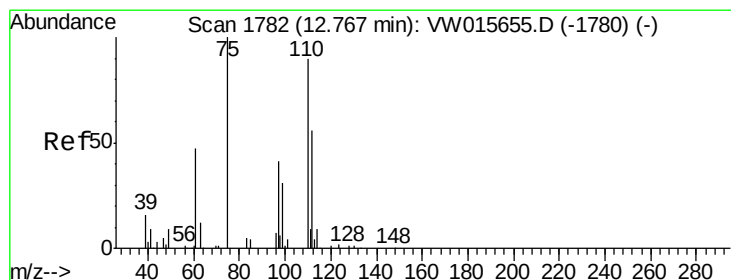
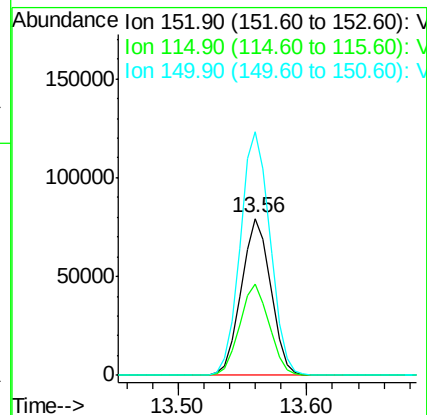
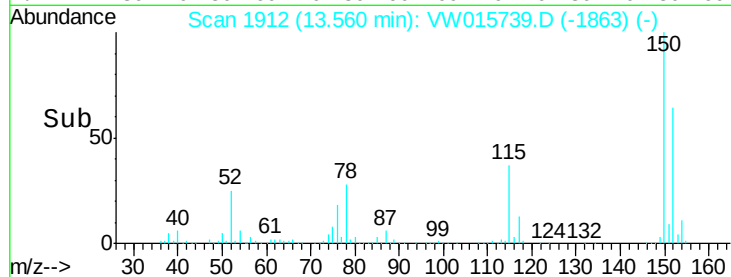
150 157.2 0.0 345.6



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: 58.549 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015739.D

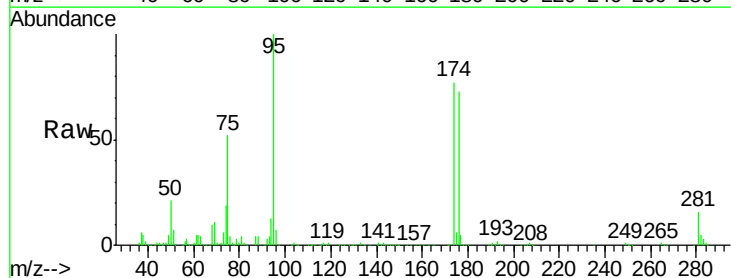
Acq: 26 Jun 2020 10:32

Tgt Ion: 75 Resp: 67140

Ion Ratio Lower Upper

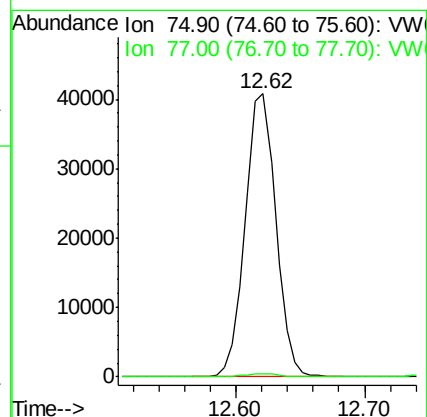
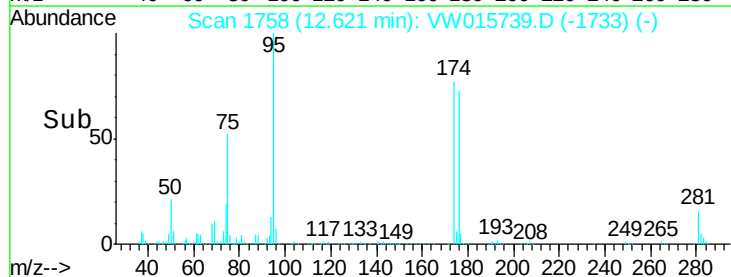
75 100

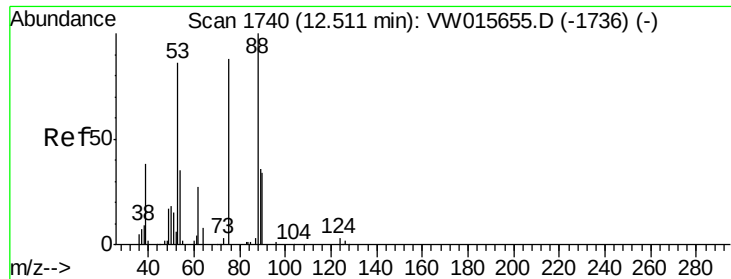
77 1.2 179.1 537.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 147.544 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015739.D

Acq: 26 Jun 2020 10:32

Instrument :

MSVOA_W

ClientSampleId :

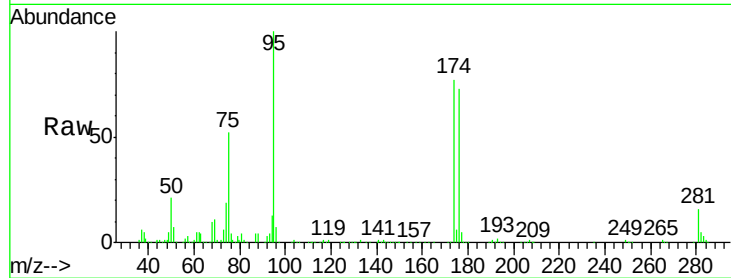
Tot Ion: 75 Resp: 67140

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

89 0.3 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

