

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062520\
 Data File : VW015734.D
 Acq On : 25 Jun 2020 17:35
 Operator : SY/VA
 Sample : L3126-10
 Misc : 5.59G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4-S2

Quant Time: Jun 26 01:43:54 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	159531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	267356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	242689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	107419	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	98722	55.62	ug/l	0.00
Spiked Amount			Recovery	=	111.24%	
35) Dibromofluoromethane	7.88	113	83444	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
50) Toluene-d8	10.32	98	329556	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.62	95	110460	45.32	ug/l	0.00
Spiked Amount			Recovery	=	90.64%	

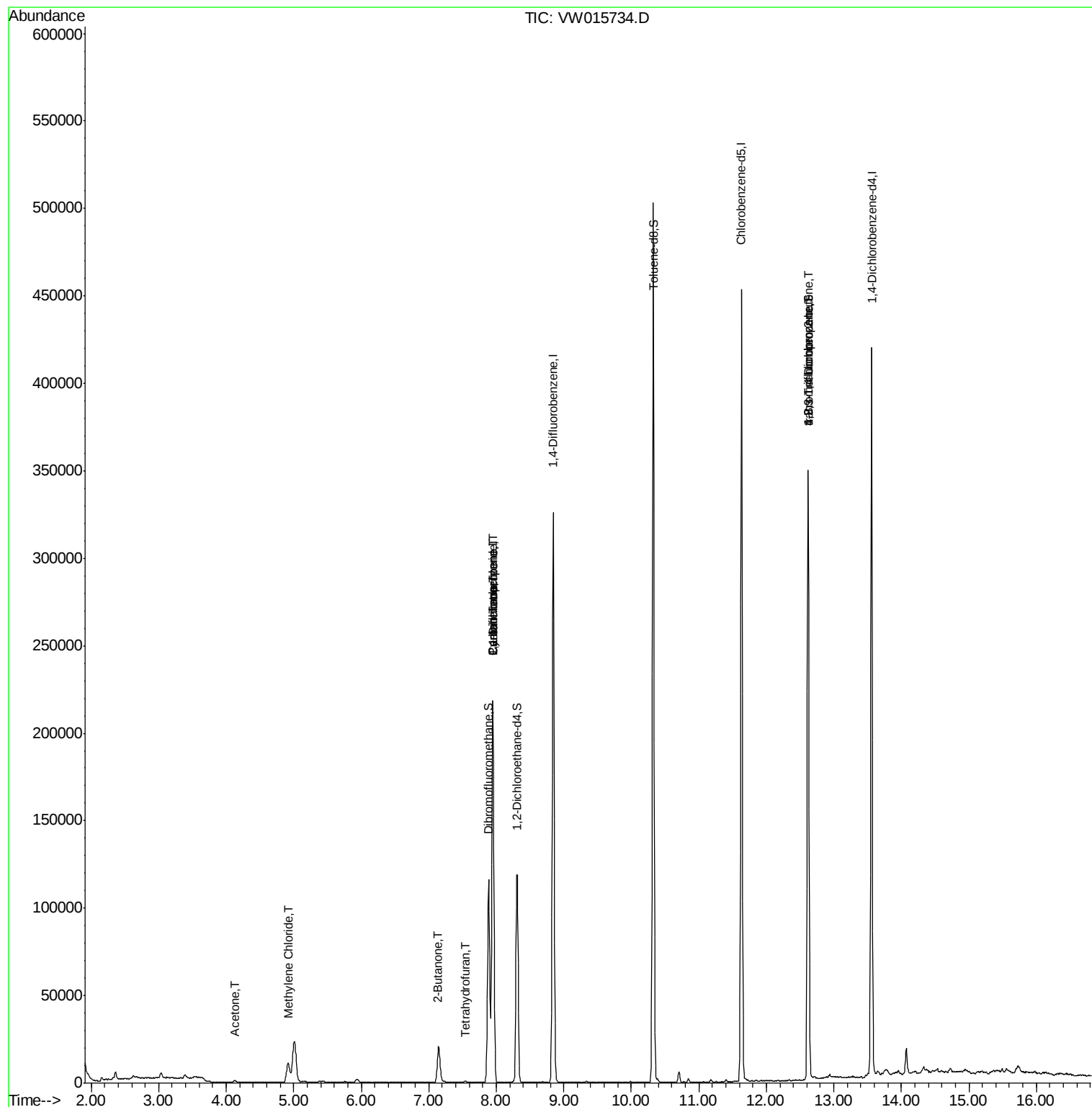
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	470	Below Cal	#	72
16) Acetone	4.12	43	2107	6.244	ug/l	91
18) Methyl Acetate	4.68	43	63	Below Cal	#	52
20) Methylene Chloride	4.92	84	9216	1.156	ug/l	94
25) 2-Butanone	7.13	43	1356	2.973	ug/l #	49
29) Tetrahydrofuran	7.54	42	534	1.993	ug/l #	84
31) Cyclohexane	7.95	56	4127	1.350	ug/l #	31
36) 1,1-Dichloropropene	7.95	75	13246	4.763	ug/l #	51
38) Carbon Tetrachloride	7.95	117	16581	6.151	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	60343	61.586	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	60343	155.198	ug/l #	8

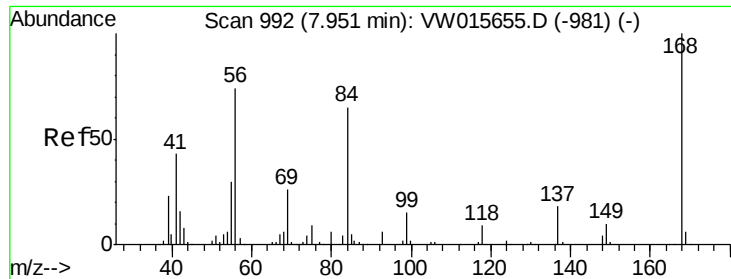
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062520\
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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: VW015734.D

Acq: 25 Jun 2020 17:35

Instrument :

MSVOA_W

ClientSampled :

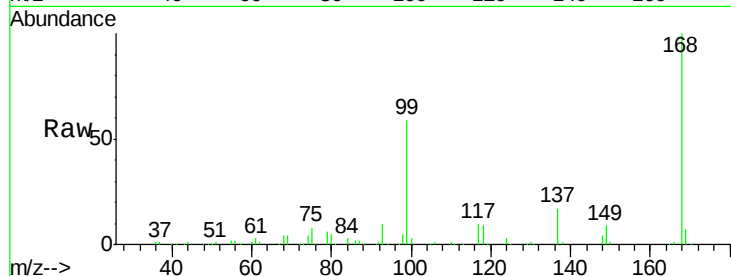
TP-4-S2

Tot Ion:168 Resp: 159531

Ion Ratio Lower Upper

168 100

99 58.5 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

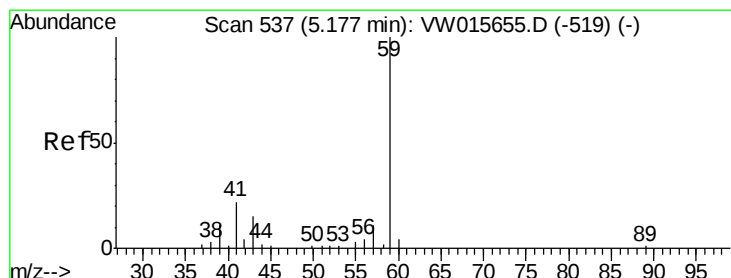
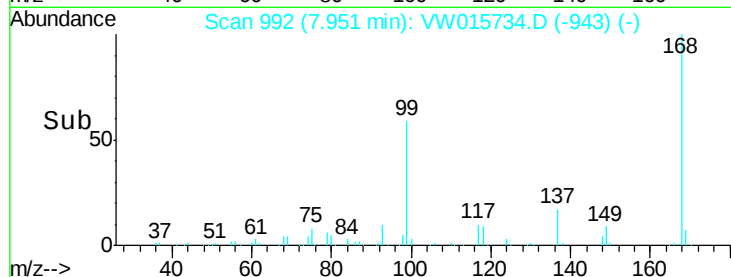
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 536

Delta R.T. -0.01 min

Lab File: VW015734.D

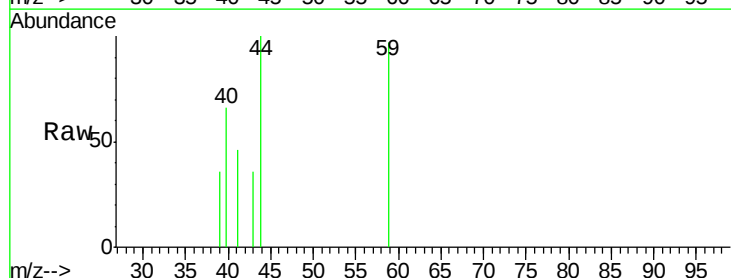
Acq: 25 Jun 2020 17:35

Tgt Ion: 59 Resp: 470

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

5.17

200

150

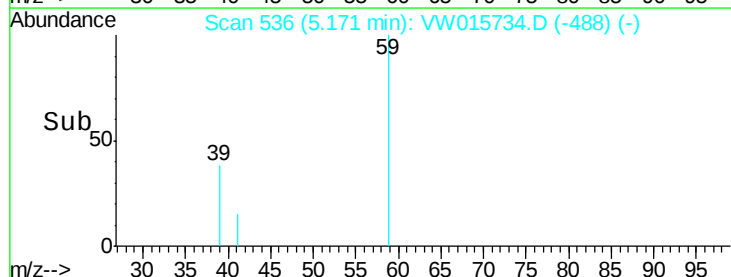
100

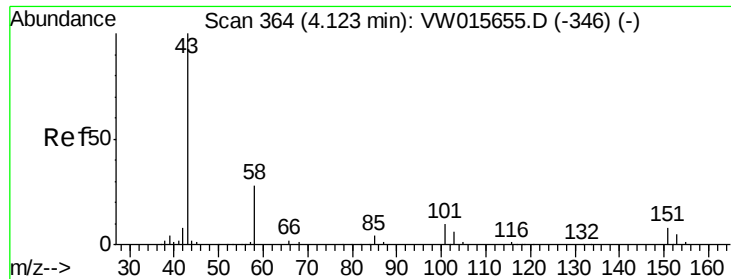
50

0

5.15 5.20 5.25

Time-->





#16

Acetone

Concen: 6.244 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW015734.D

Acq: 25 Jun 2020 17:35

Instrument :

MSVOA_W

ClientSampled :

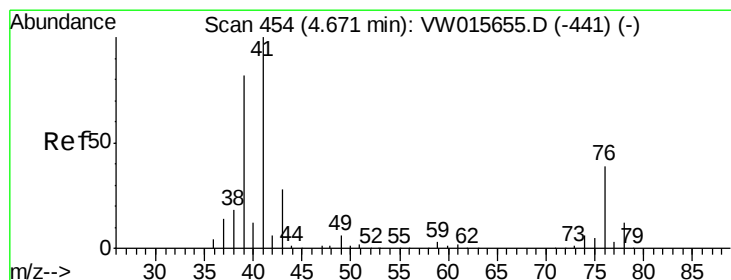
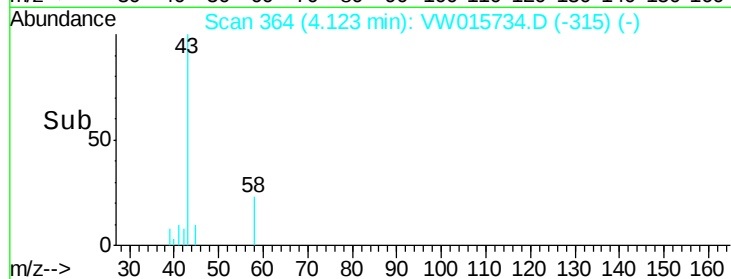
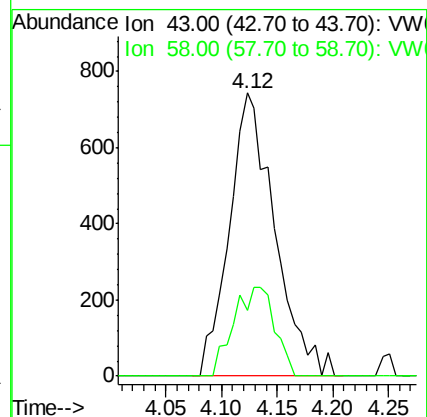
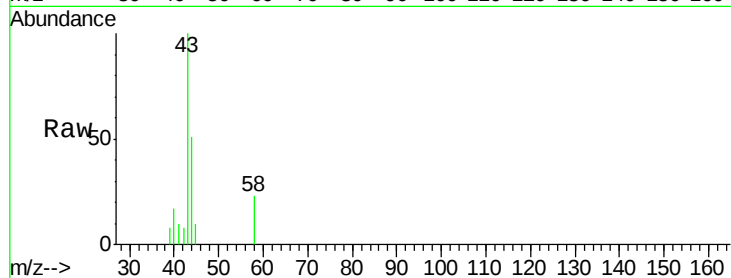
TP-4-S2

Tot Ion: 43 Resp: 2107

Ion Ratio Lower Upper

43 100

58 23.4 22.6 33.8



#18

Methyl Acetate

Concen: Below Cal

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW015734.D

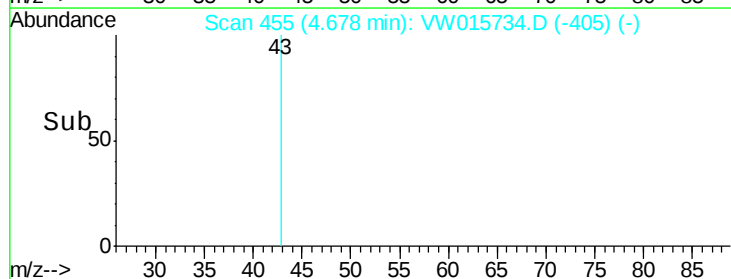
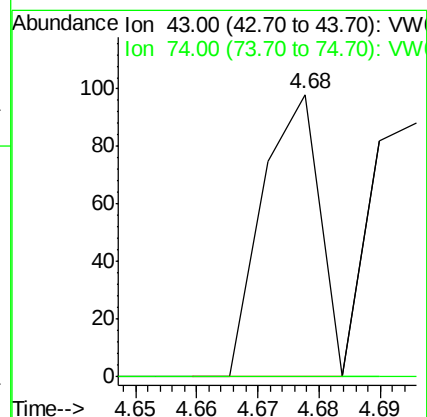
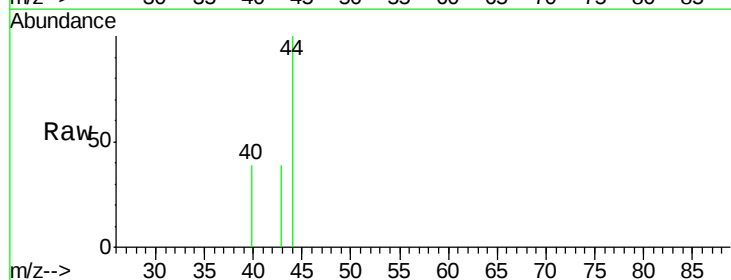
Acq: 25 Jun 2020 17:35

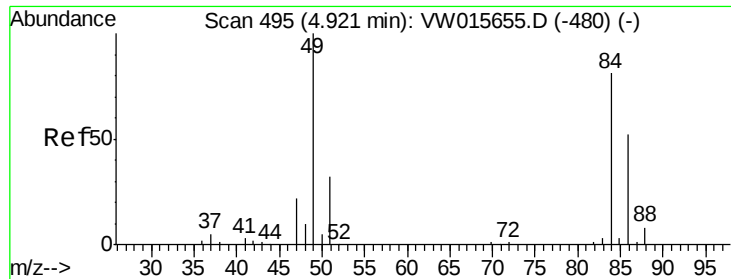
Tgt Ion: 43 Resp: 63

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#

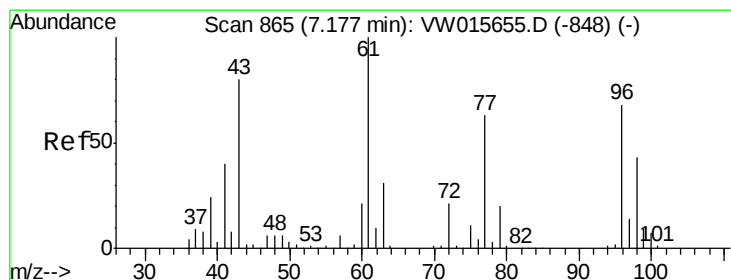
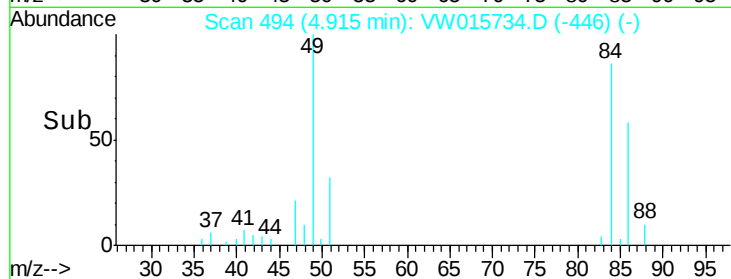
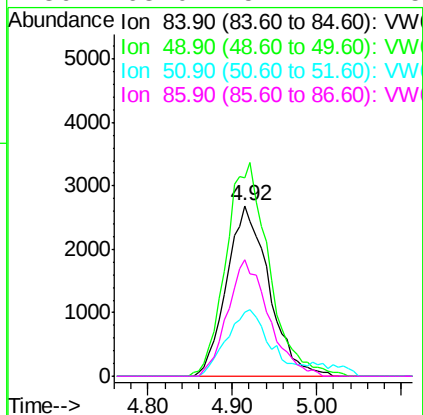
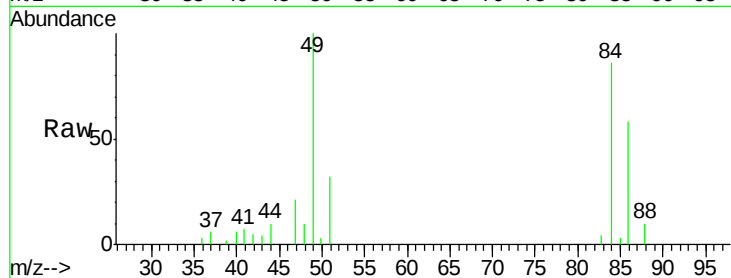




#20
Methvlene Chloride
Concen: 1.156 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015734.D
Acq: 25 Jun 2020 17:35

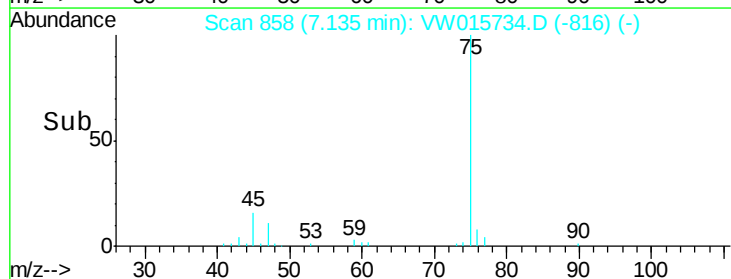
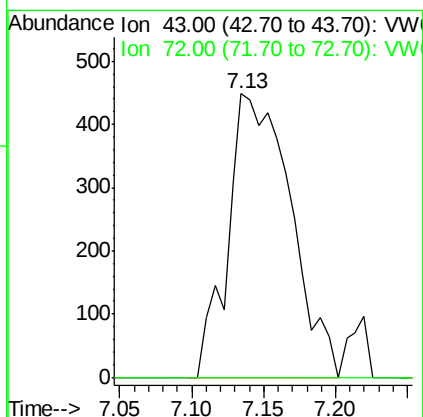
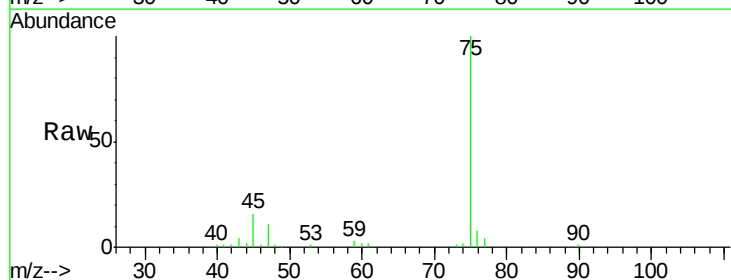
Instrument :
MSVOA_W
ClientSampleId :
TP-4-S2

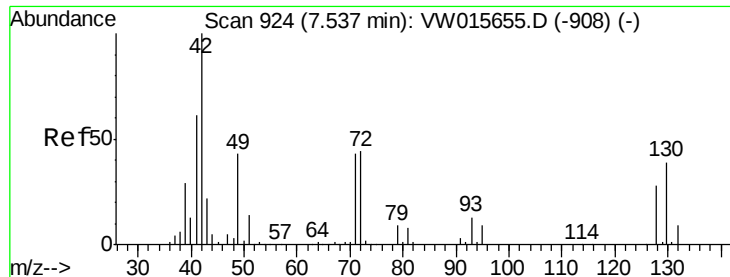
Tot Ion:	84	Resp:	9216
Ion	Ratio	Lower	Upper
84	100		
49	116.4	99.3	148.9
51	37.2	31.8	47.6
86	68.0	51.7	77.5



#25
2-Butanone
Concen: 2.973 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.04 min
Lab File: VW015734.D
Acq: 25 Jun 2020 17:35

Tgt Ion:	43	Resp:	1356
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.1	31.7#





#29

Tetrahydrofuran

Concen: 1.993 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW015734.D

Acq: 25 Jun 2020 17:35

Instrument :

MSVOA_W

ClientSampleId :

TP-4-S2

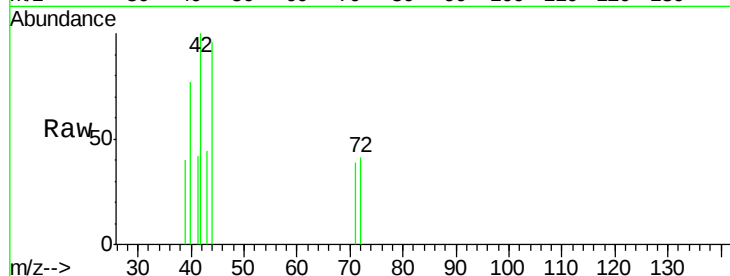
Tot Ion: 42 Resp: 534

Ion Ratio Lower Upper

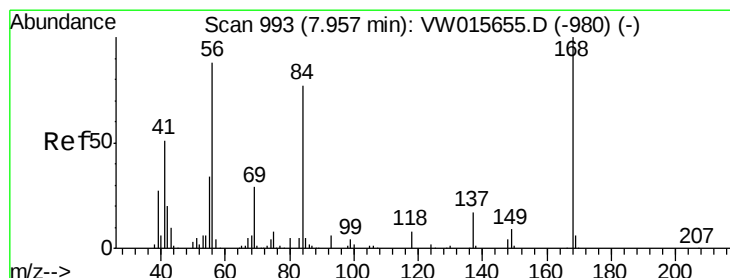
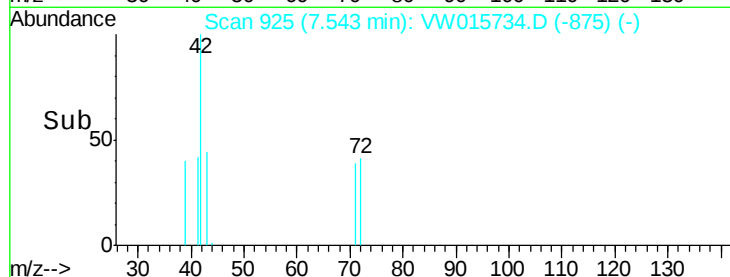
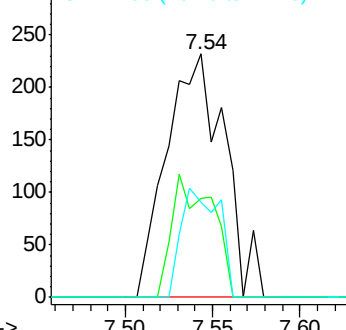
42 100

72 35.0 35.0 52.6#

71 29.4 32.6 49.0#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.350 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015734.D

Acq: 25 Jun 2020 17:35

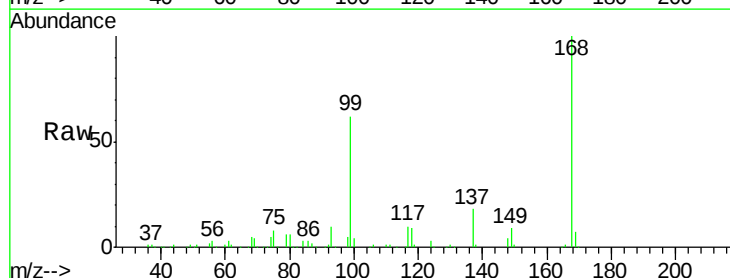
Tgt Ion: 56 Resp: 4127

Ion Ratio Lower Upper

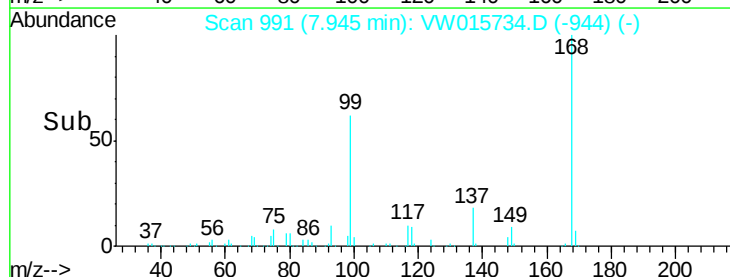
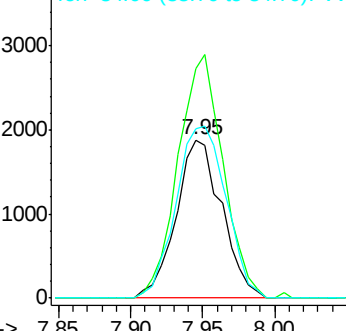
56 100

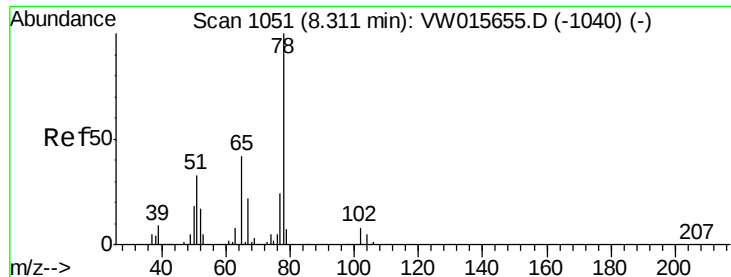
69 144.9 26.2 39.4#

84 106.7 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: 55.618 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW015734.D

Acq: 25 Jun 2020 17:35

Instrument :

MSVOA_W

ClientSampleId :

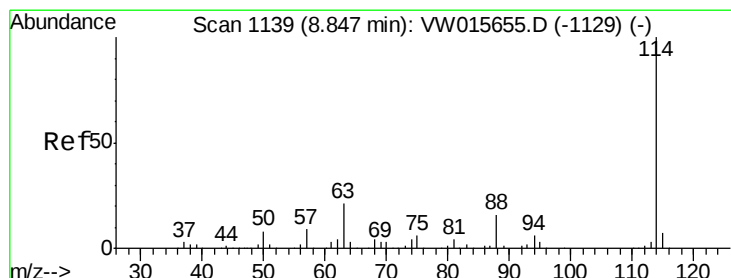
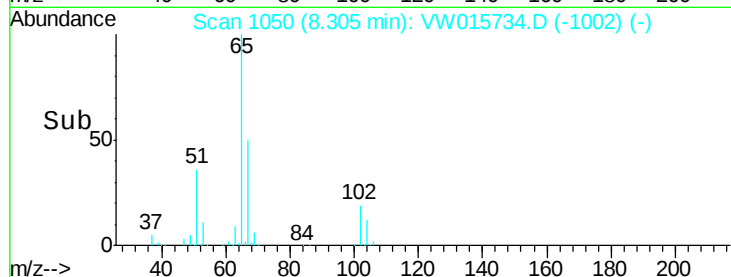
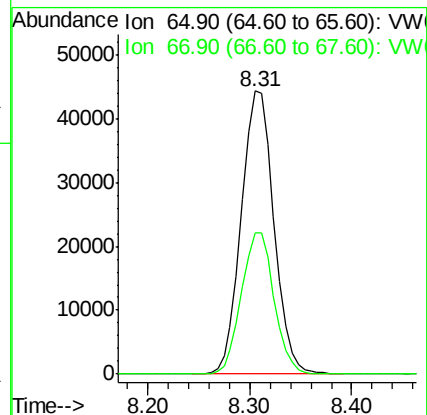
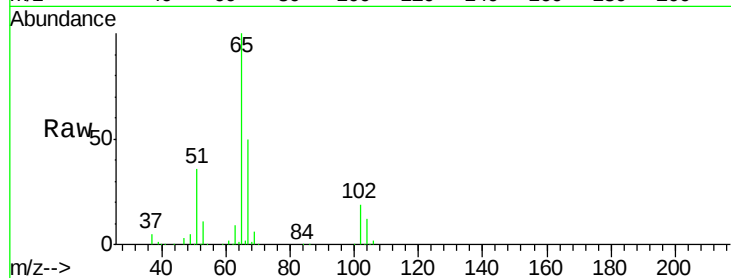
TP-4-S2

Tot Ion: 65 Resp: 98722

Ion Ratio Lower Upper

65 100

67 50.1 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: VW015734.D

Acq: 25 Jun 2020 17:35

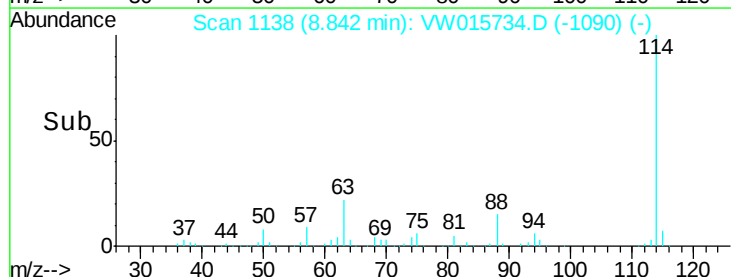
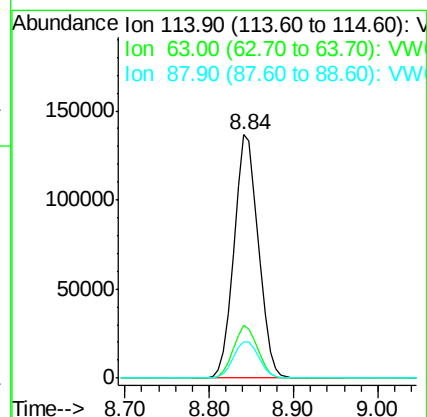
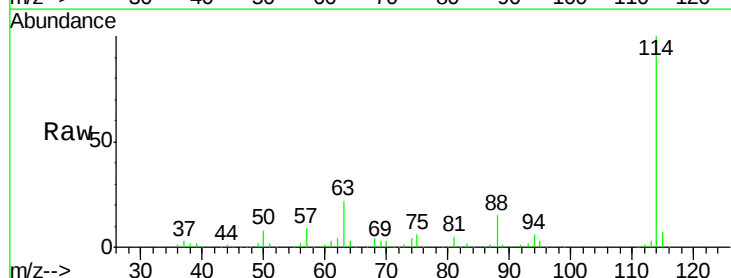
Tgt Ion: 114 Resp: 267356

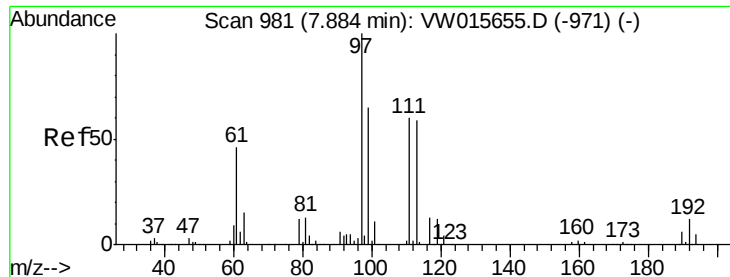
Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.4

88 15.0 0.0 32.6

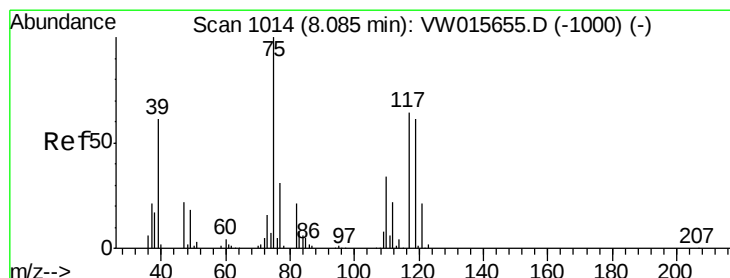
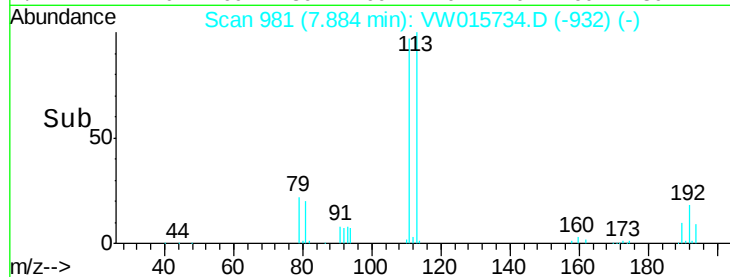
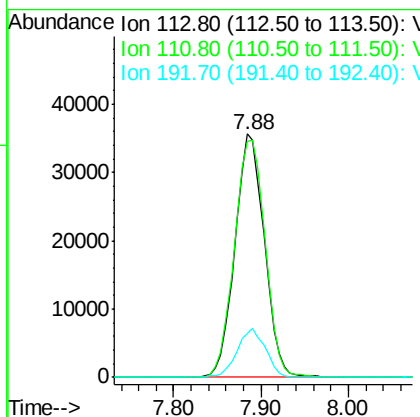
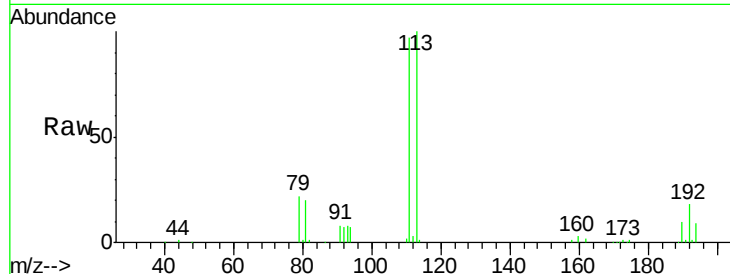




#35
 Dibromofluoromethane
 Concen: 49.617 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015734.D
 Acq: 25 Jun 2020 17:35

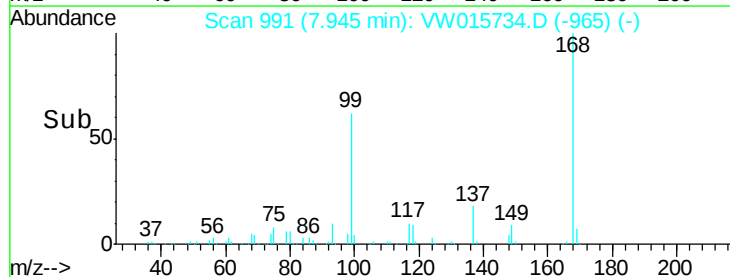
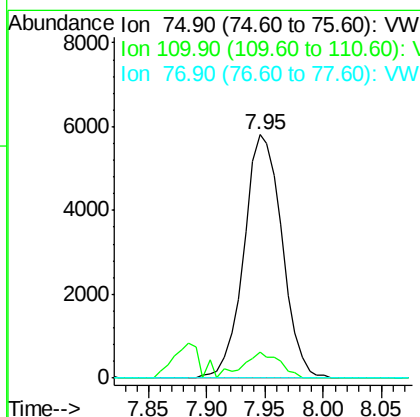
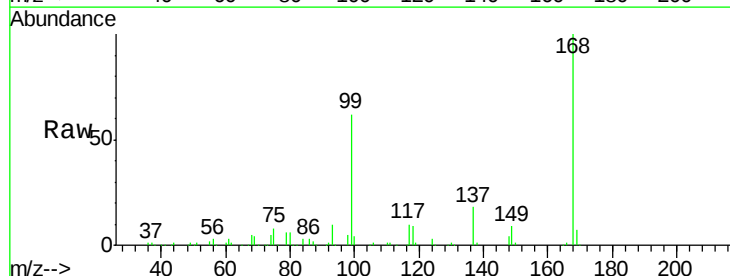
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4-S2

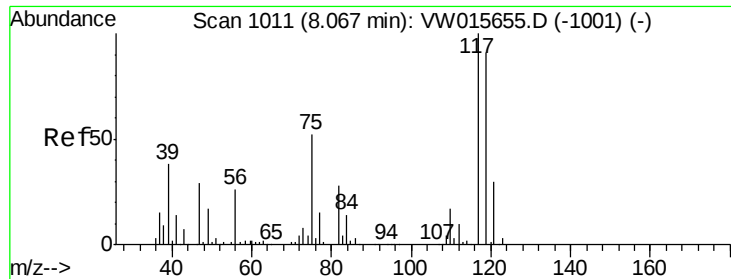
Tot Ion:113 Resp: 83444
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.3 123.5
 192 19.4 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 4.763 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW015734.D
 Acq: 25 Jun 2020 17:35

Tgt Ion: 75 Resp: 13246
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.0 51.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.151 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW015734.D

Acq: 25 Jun 2020 17:35

Instrument :

MSVOA_W

ClientSampleId :

TP-4-S2

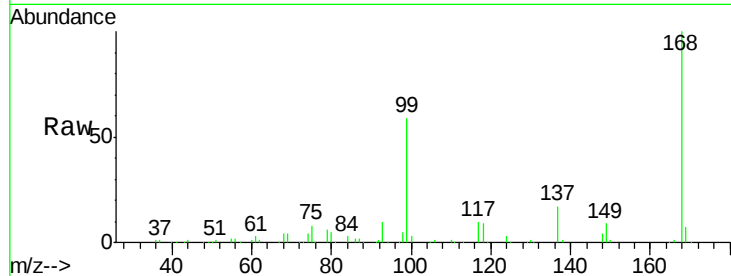
Tot Ion:117 Resp: 16581

Ion Ratio Lower Upper

117 100

119 4.7 73.2 109.8#

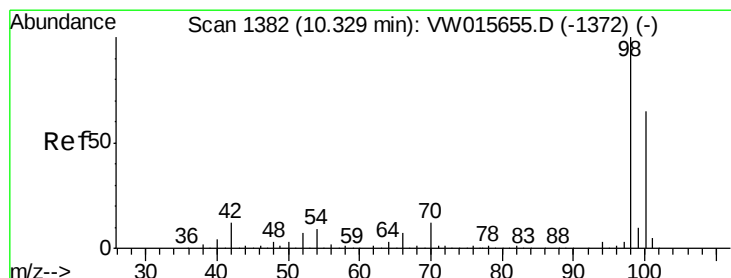
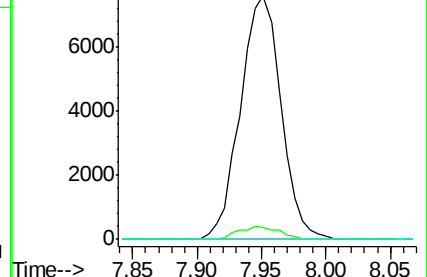
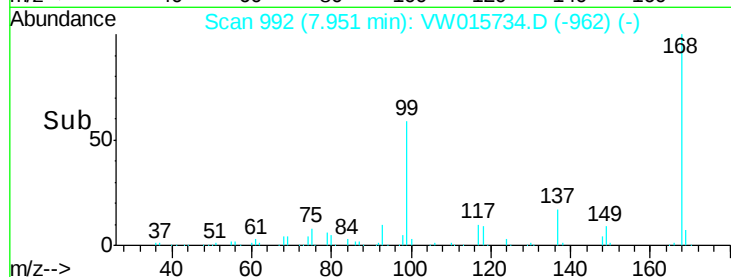
121 0.0 23.9 35.9#



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: 49.794 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015734.D

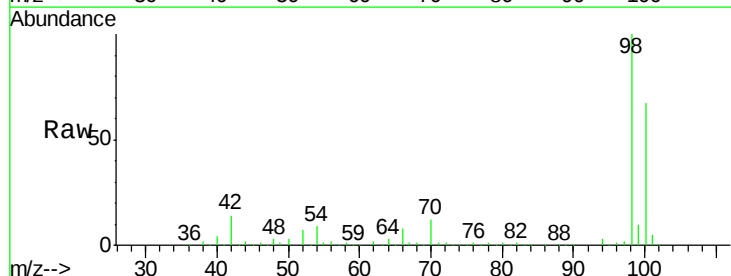
Acq: 25 Jun 2020 17:35

Tgt Ion: 98 Resp: 329556

Ion Ratio Lower Upper

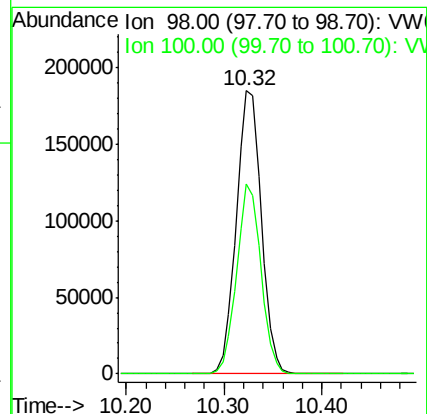
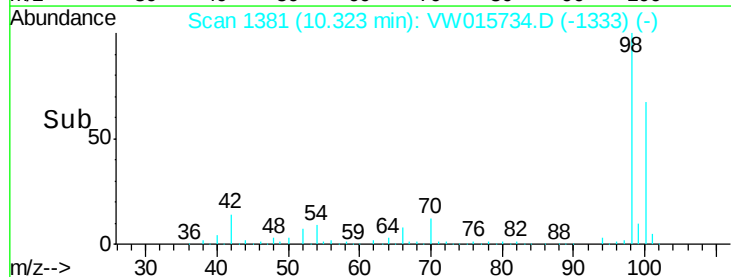
98 100

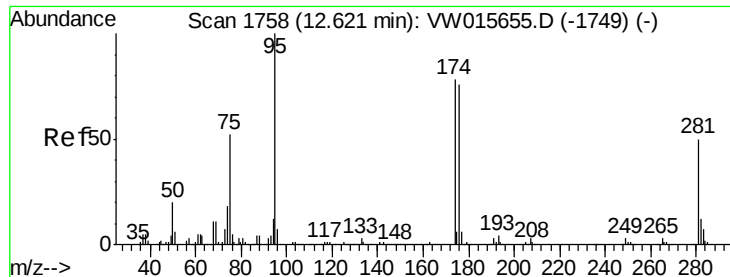
100 65.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

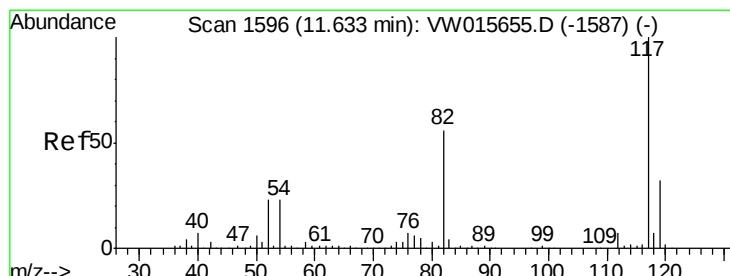
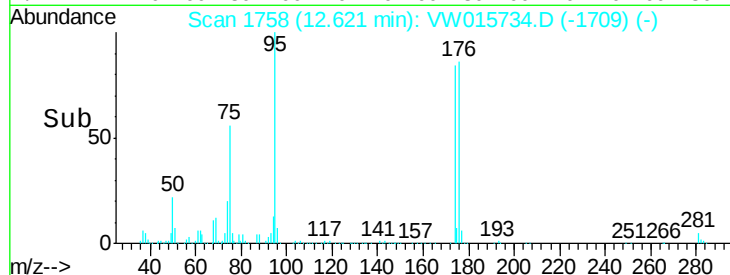
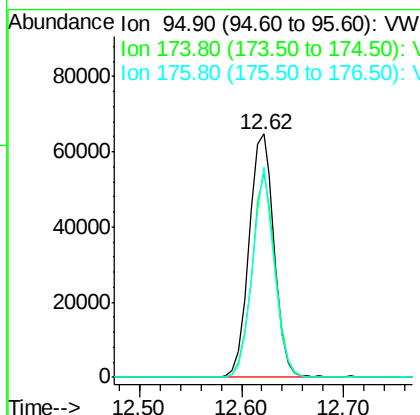
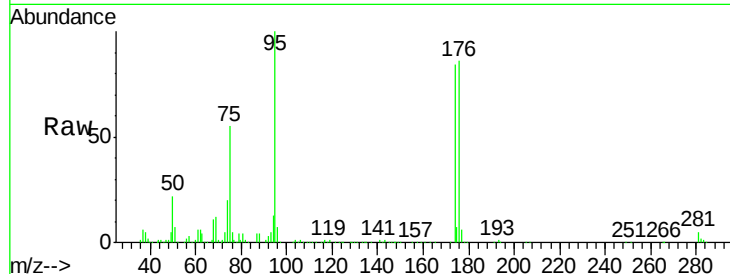




#62
4-Bromofluorobenzene
Concen: 45.319 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW015734.D
Acq: 25 Jun 2020 17:35

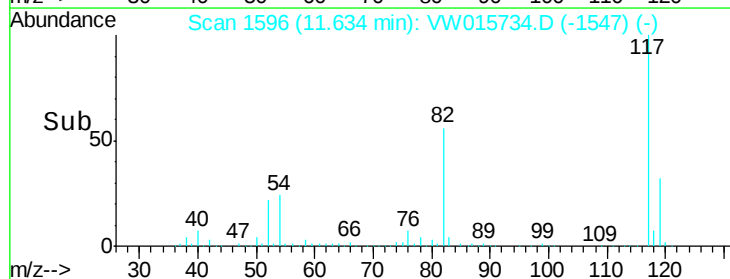
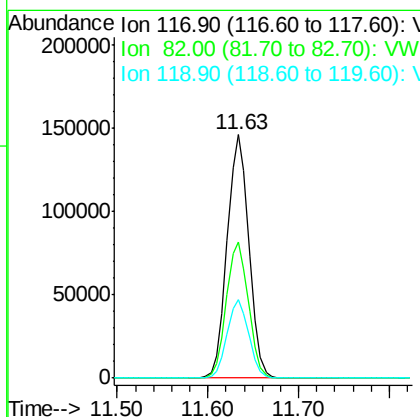
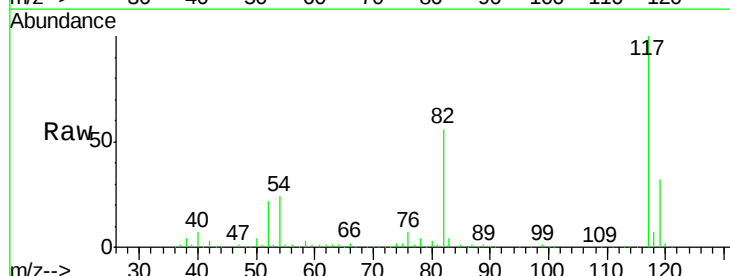
Instrument :
MSVOA_W
ClientSampleId :
TP-4-S2

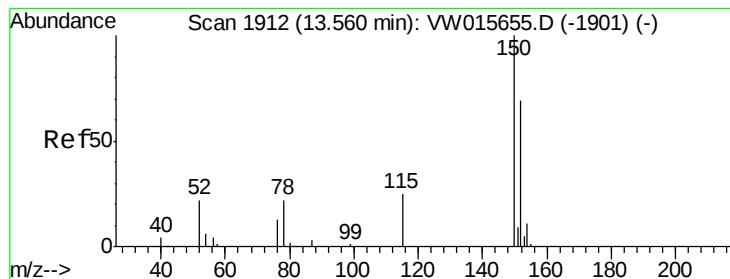
Tot Ion: 95 Resp: 110460
Ion Ratio Lower Upper
95 100
174 78.3 0.0 157.0
176 76.2 0.0 151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015734.D
Acq: 25 Jun 2020 17:35

Tgt Ion: 117 Resp: 242689
Ion Ratio Lower Upper
117 100
82 55.9 45.1 67.7
119 32.1 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: VW015734.D

Acq: 25 Jun 2020 17:35

Instrument :

MSVOA_W

ClientSampleId :

TP-4-S2

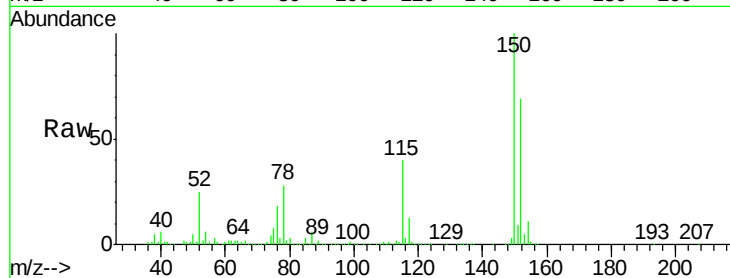
Tot Ion:152 Resp: 107419

Ion Ratio Lower Upper

152 100

115 59.1 30.1 90.5

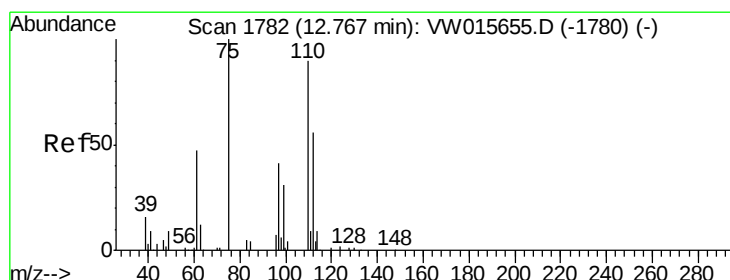
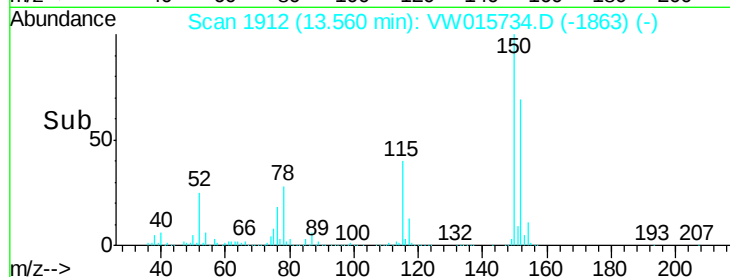
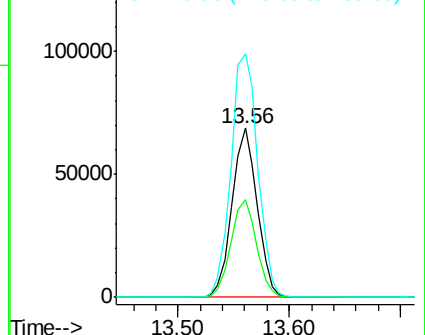
150 153.8 0.0 345.6



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: 61.586 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015734.D

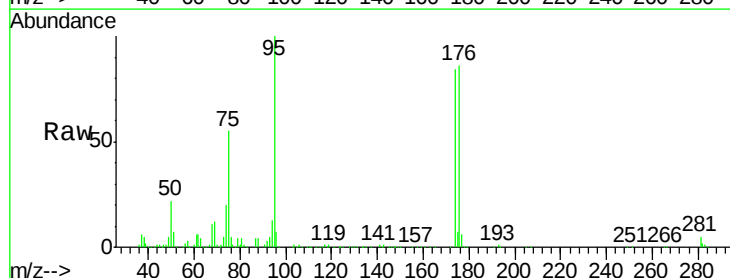
Acq: 25 Jun 2020 17:35

Tgt Ion: 75 Resp: 60343

Ion Ratio Lower Upper

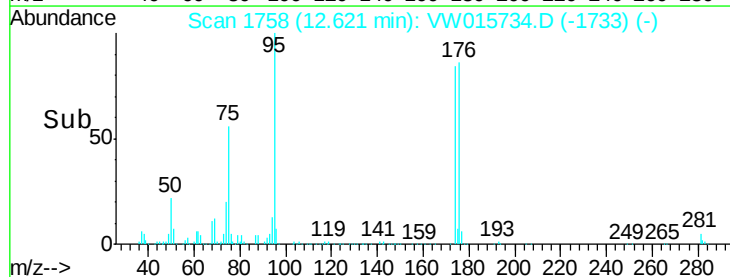
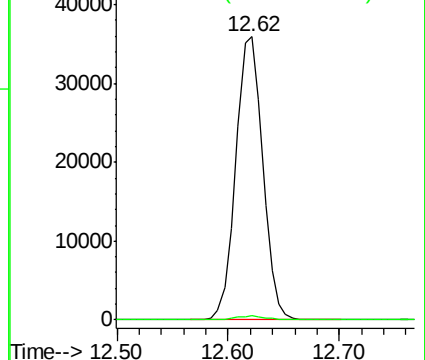
75 100

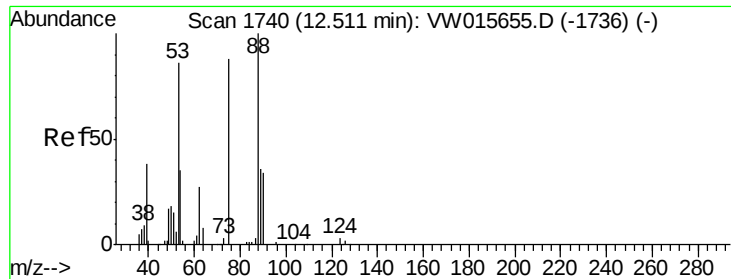
77 1.9 179.1 537.1#



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: 155.198 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015734.D

Acq: 25 Jun 2020 17:35

Instrument :

MSVOA_W

ClientSampleId :

TP-4-S2

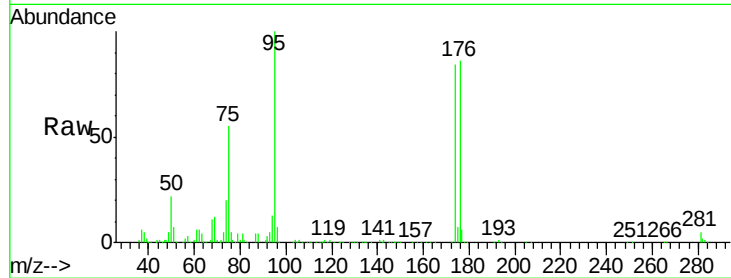
Tot Ion: 75 Resp: 60343

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

89 0.1 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

