

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062520\
 Data File : VW015732.D
 Acq On : 25 Jun 2020 16:42
 Operator : SY/VA
 Sample : L3126-02
 Misc : 6.05G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-8-S2

Quant Time: Jun 26 01:43:11 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	168391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	286913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	266566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	139139	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	97581	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	
35) Dibromofluoromethane	7.88	113	86084	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
50) Toluene-d8	10.32	98	355478	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.62	95	146117	55.86	ug/l	0.00
Spiked Amount			Recovery	=	111.72%	

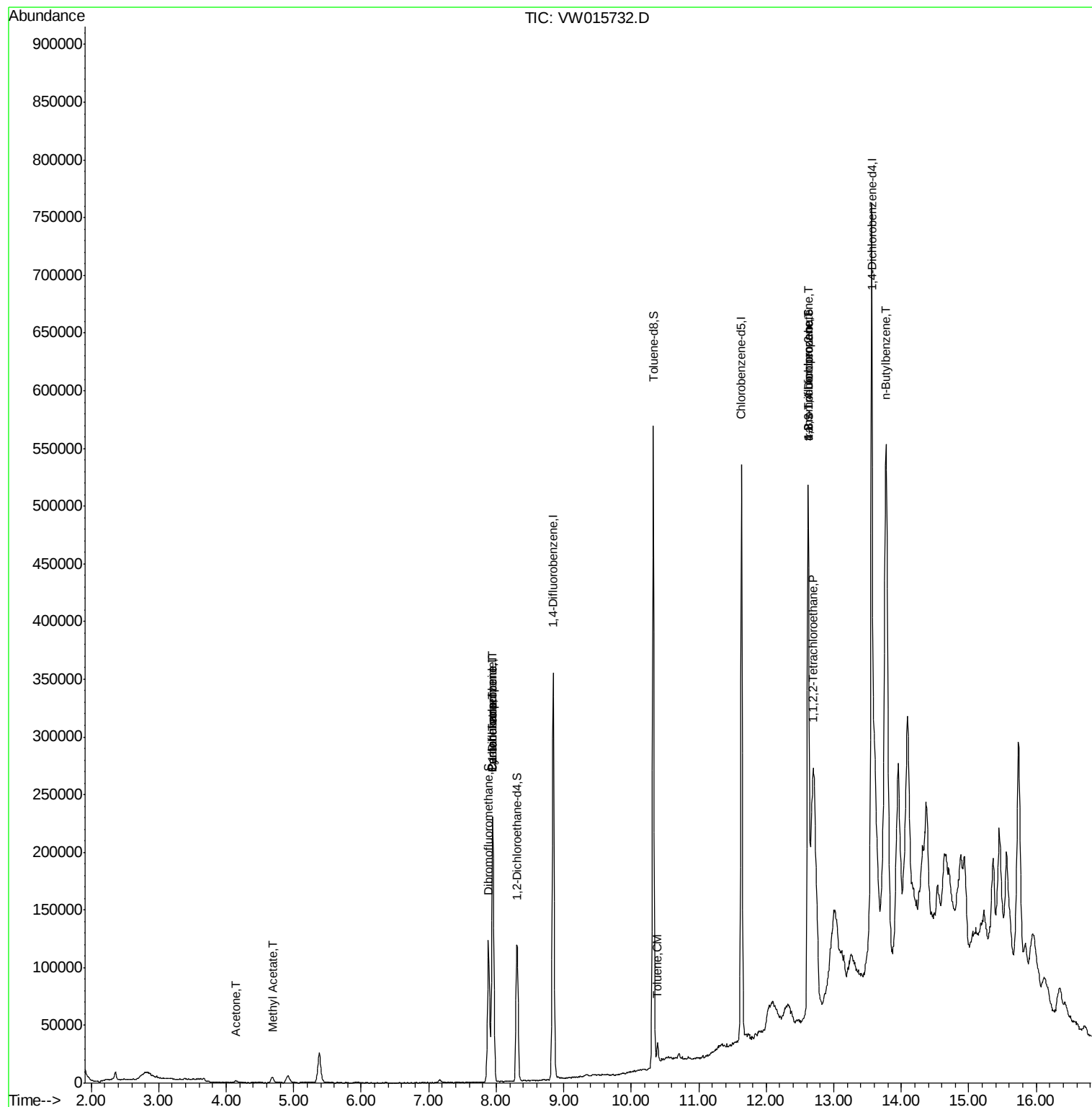
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	194	Below Cal	#	72
16) Acetone	4.15	43	1653	4.641	ug/l #	87
18) Methyl Acetate	4.68	43	9943	9.764	ug/l	99
20) Methylene Chloride	4.92	84	5136	Below Cal		93
31) Cyclohexane	7.95	56	4300	1.332	ug/l #	12
36) 1,1-Dichloropropene	7.95	75	13997	4.690	ug/l #	51
38) Carbon Tetrachloride	7.95	117	17266	5.969	ug/l #	17
52) Toluene	10.40	92	7244	1.383	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.69	83	72429	42.655	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	69107	54.451	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	69107	137.218	ug/l #	8
89) n-Butylbenzene	13.77	91	15000	1.584	ug/l #	39

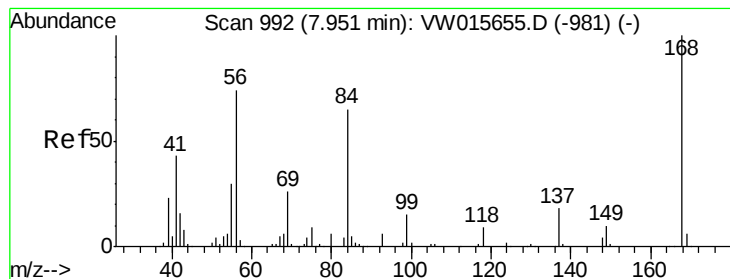
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 23 13:20:19 2020
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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: VW015732.D

Acq: 25 Jun 2020 16:42

Instrument :

MSVOA_W

ClientSampled :

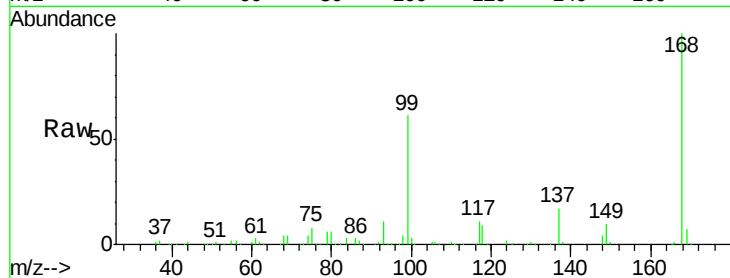
TP-8-S2

Tot Ion:168 Resp: 168391

Ion Ratio Lower Upper

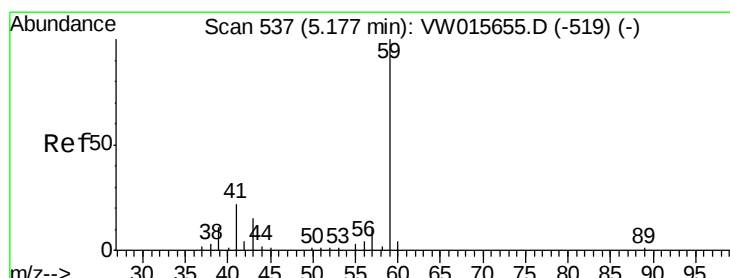
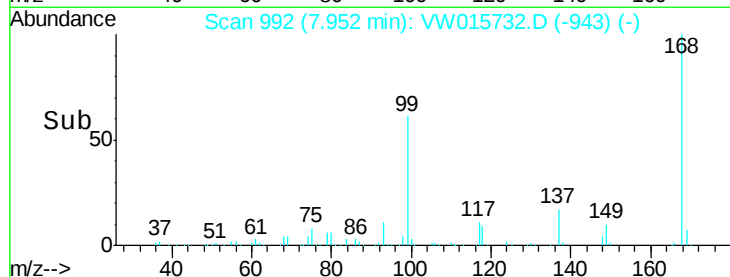
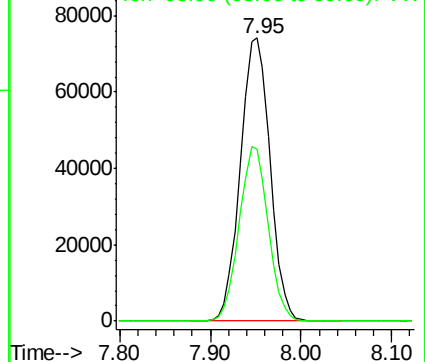
168 100

99 60.7 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: 5.15 min Scan# 532

Delta R.T. -0.03 min

Lab File: VW015732.D

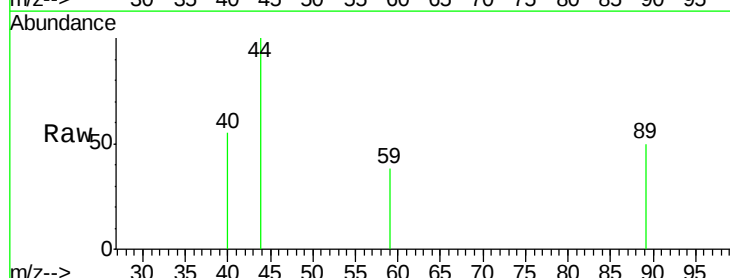
Acq: 25 Jun 2020 16:42

Tgt Ion: 59 Resp: 194

Ion Ratio Lower Upper

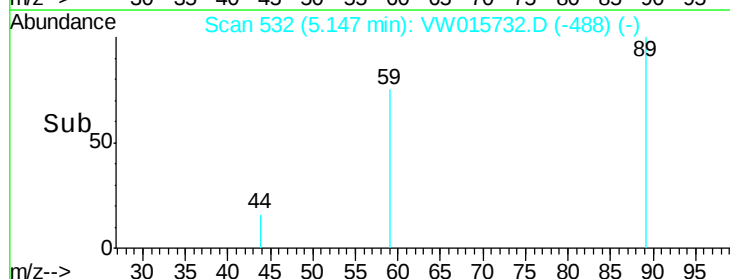
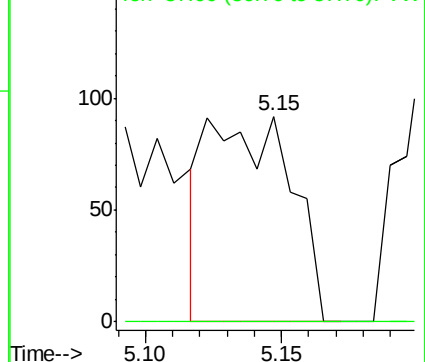
59 100

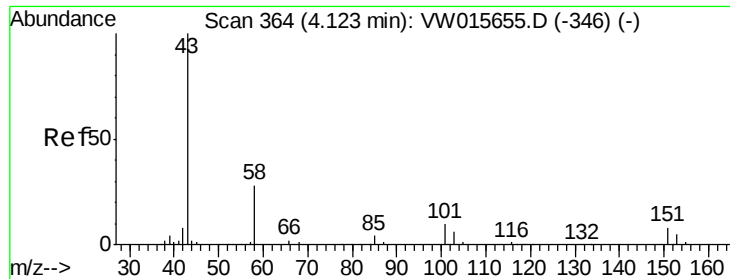
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 4.641 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.03 min

Lab File: VW015732.D

Acq: 25 Jun 2020 16:42

Instrument :

MSVOA_W

ClientSampleId :

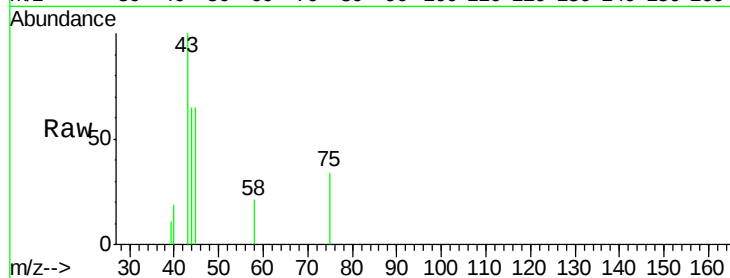
TP-8-S2

Tot Ion: 43 Resp: 1653

Ion Ratio Lower Upper

43 100

58 21.4 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

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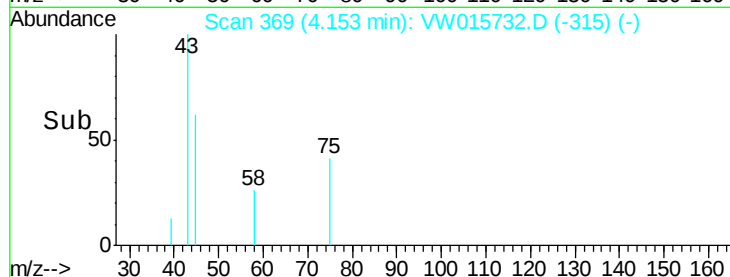
4.15

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4.15



#18

Methyl Acetate

Concen: 9.764 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW015732.D

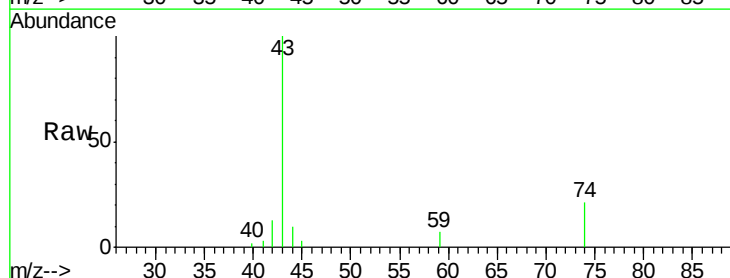
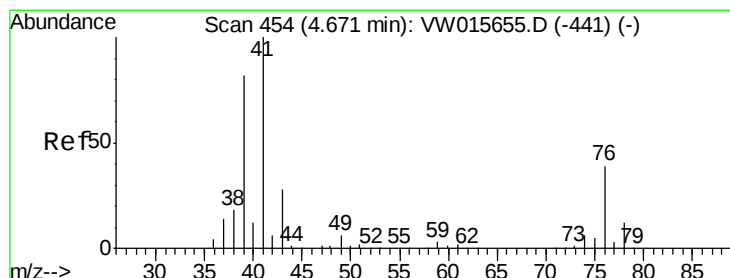
Acq: 25 Jun 2020 16:42

Tgt Ion: 43 Resp: 9943

Ion Ratio Lower Upper

43 100

74 23.3 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

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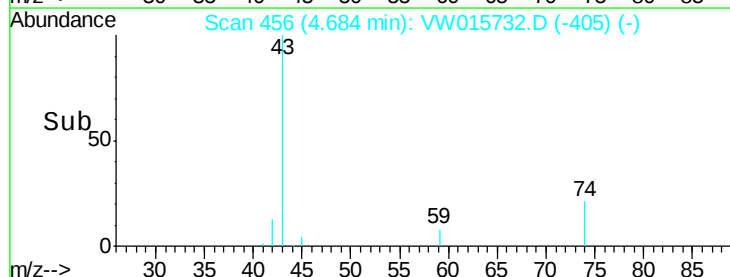
4.68

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4.68



#18

Methyl Acetate

Concen: 9.764 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW015732.D

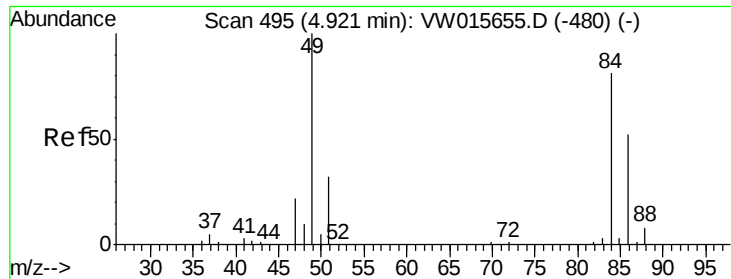
Acq: 25 Jun 2020 16:42

Tgt Ion: 43 Resp: 9943

Ion Ratio Lower Upper

43 100

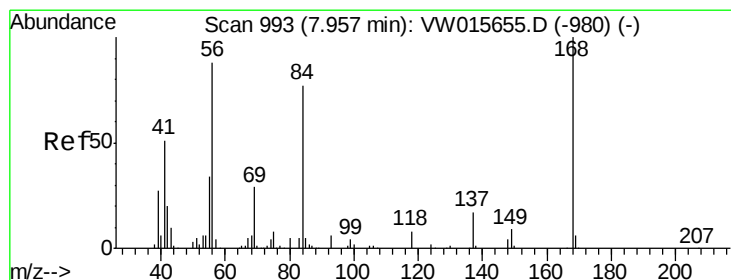
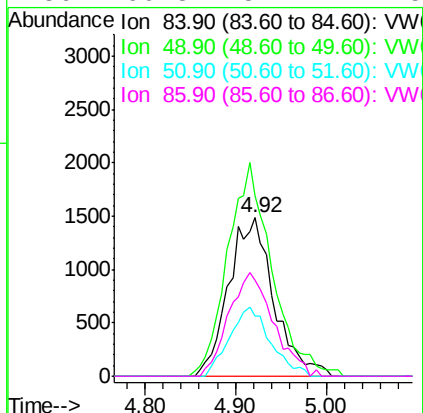
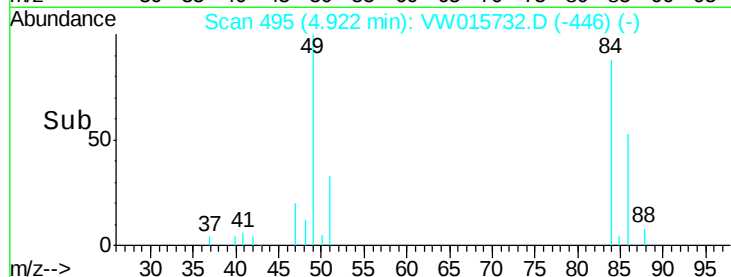
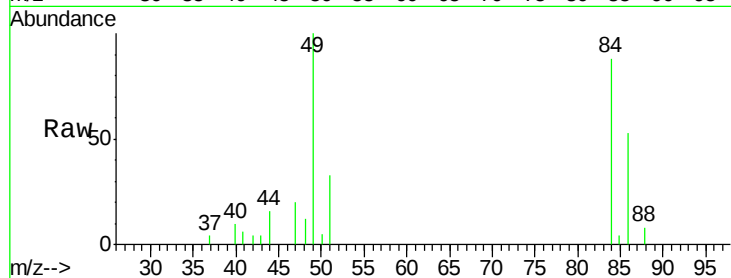
74 23.3 19.0 28.6



#20
Methvlene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015732.D
Acq: 25 Jun 2020 16:42

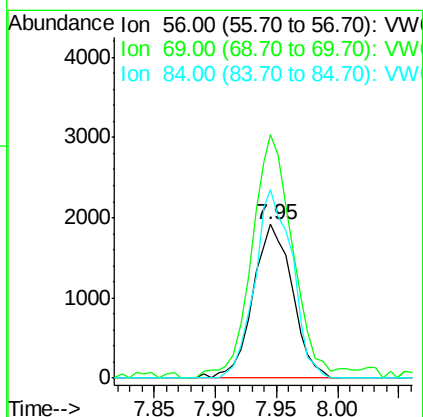
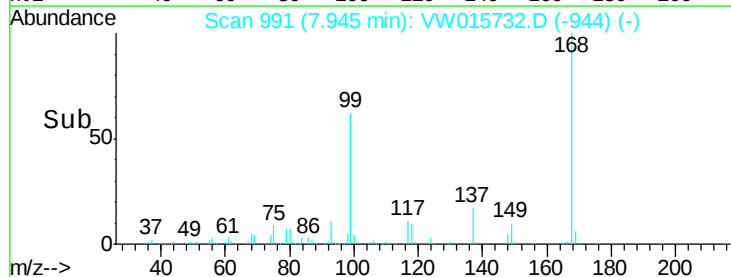
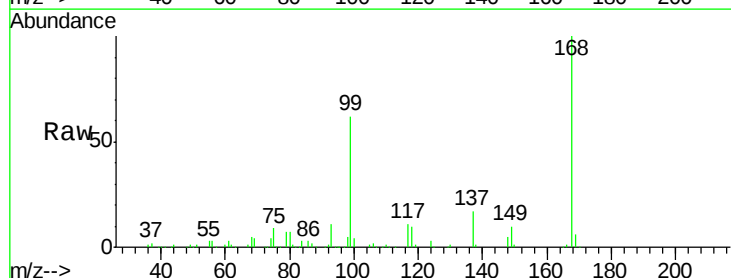
Instrument :
MSVOA_W
ClientSampleId :
TP-8-S2

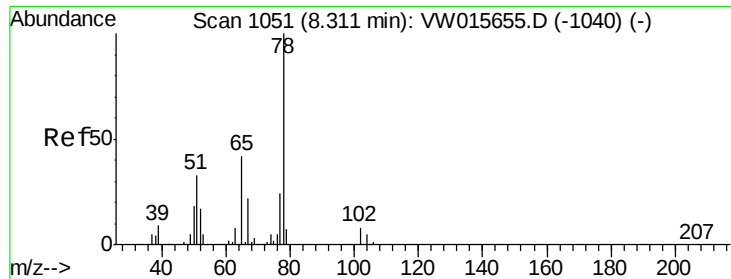
Tot Ion:	84	Resp:	5136
Ion	Ratio	Lower	Upper
84	100		
49	113.7	99.3	148.9
51	37.6	31.8	47.6
86	60.8	51.7	77.5



#31
Cyclohexane
Concen: 1.332 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW015732.D
Acq: 25 Jun 2020 16:42

Tgt Ion:	56	Resp:	4300
Ion	Ratio	Lower	Upper
56	100		
69	158.7	26.2	39.4#
84	122.9	70.4	105.6#

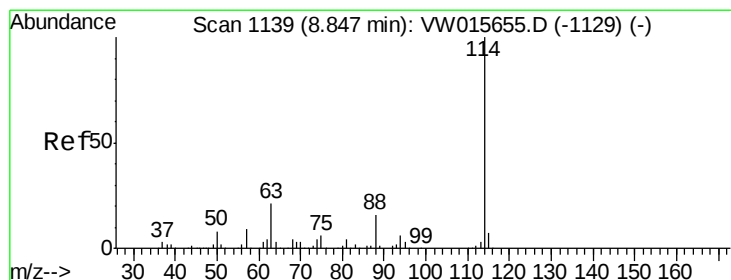
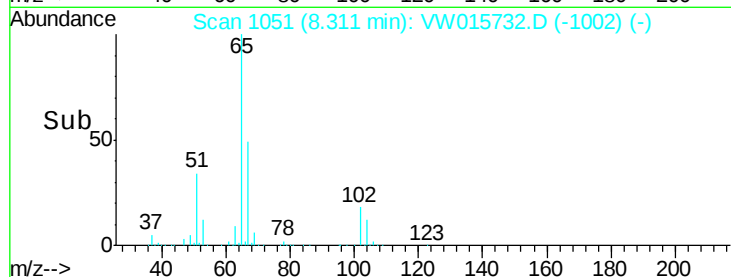
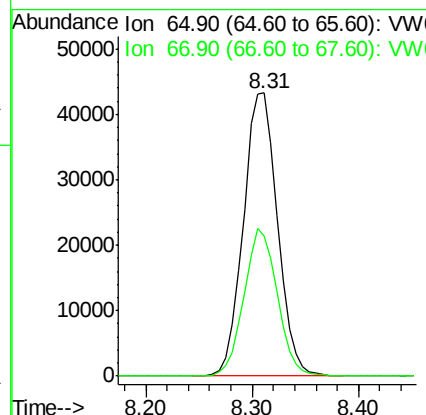
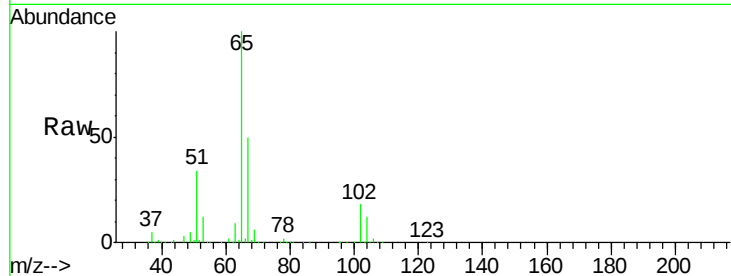




#33
 1,2-Dichloroethane-d4
 Concen: 52.083 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW015732.D
 Acq: 25 Jun 2020 16:42

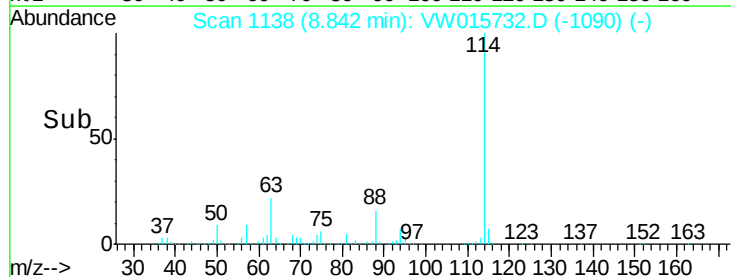
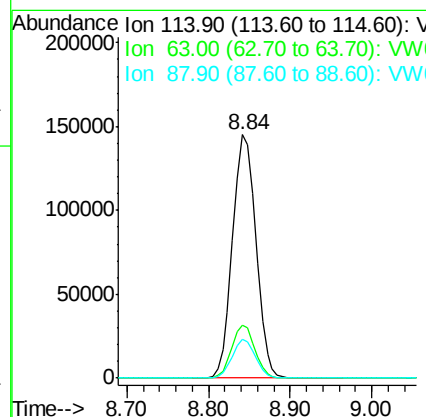
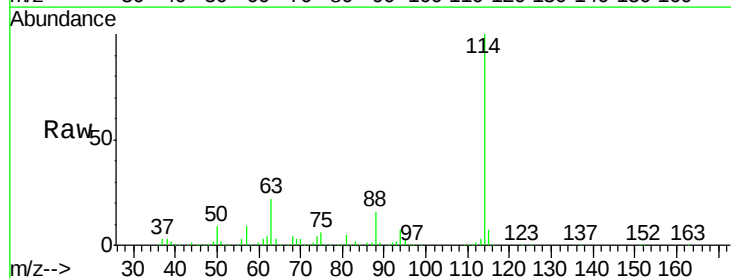
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-8-S2

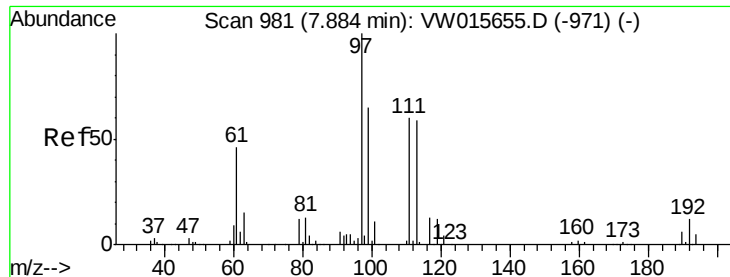
Tot Ion: 65 Resp: 97581
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW015732.D
 Acq: 25 Jun 2020 16:42

Tgt Ion: 114 Resp: 286913
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.4
 88 16.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.698 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015732.D

Acq: 25 Jun 2020 16:42

Instrument :

MSVOA_W

ClientSampleId :

TP-8-S2

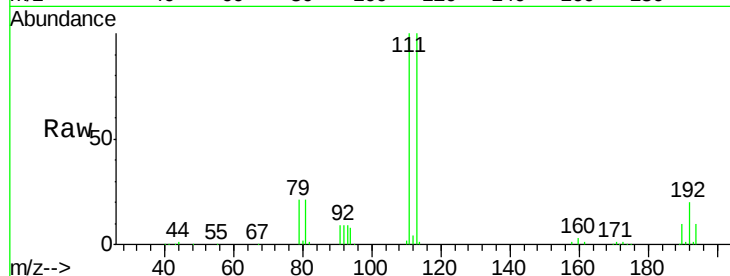
Tot Ion:113 Resp: 86084

Ion Ratio Lower Upper

113 100

111 102.1 82.3 123.5

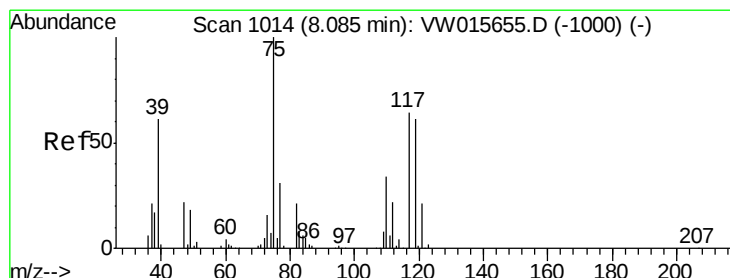
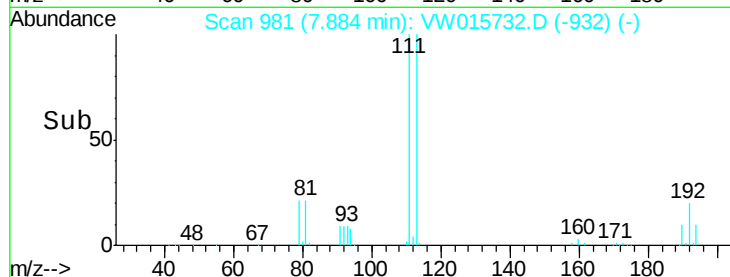
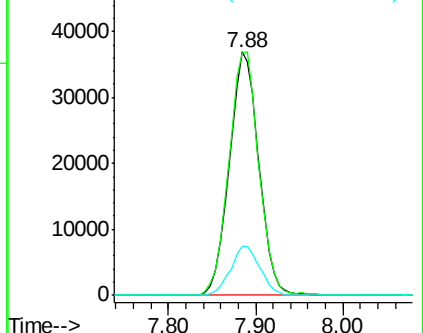
192 20.2 16.4 24.6



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: 4.690 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015732.D

Acq: 25 Jun 2020 16:42

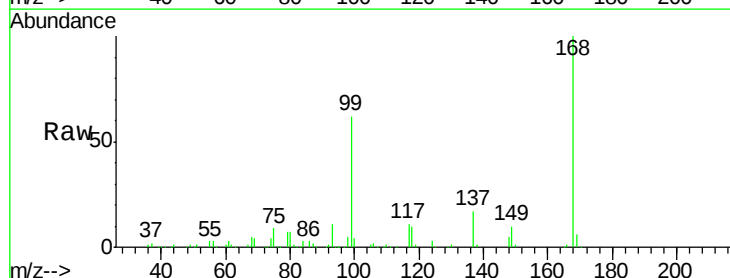
Tgt Ion: 75 Resp: 13997

Ion Ratio Lower Upper

75 100

110 8.9 17.0 51.0#

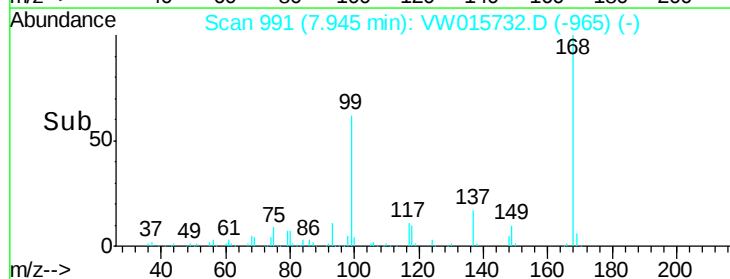
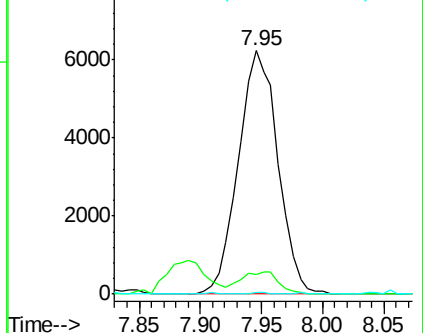
77 0.3 24.6 36.8#

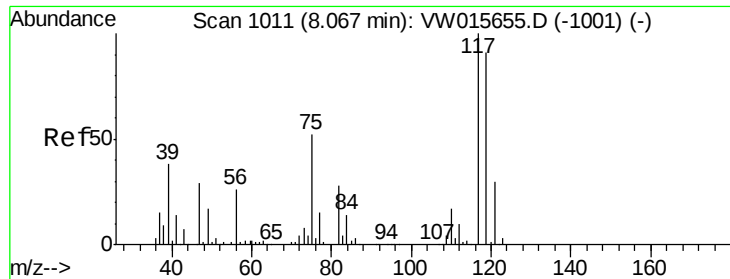


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.969 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW015732.D

Acq: 25 Jun 2020 16:42

Instrument :

MSVOA_W

ClientSampled :

TP-8-S2

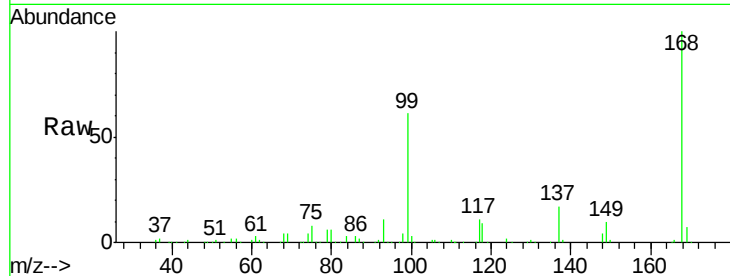
Tot Ion:117 Resp: 17266

Ion Ratio Lower Upper

117 100

119 4.4 73.2 109.8#

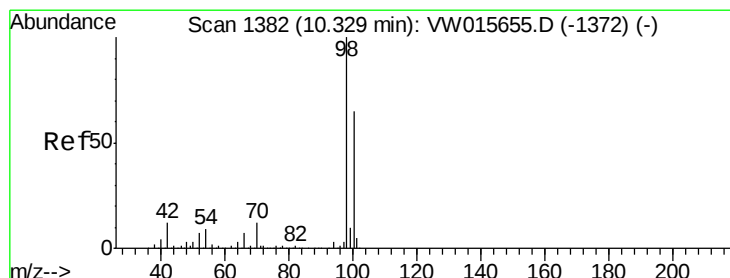
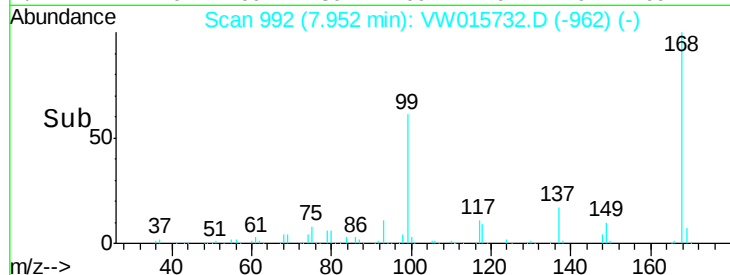
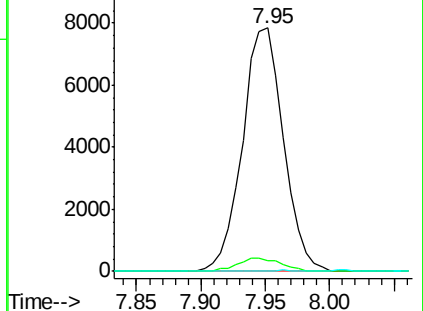
121 0.0 23.9 35.9#



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: 50.050 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015732.D

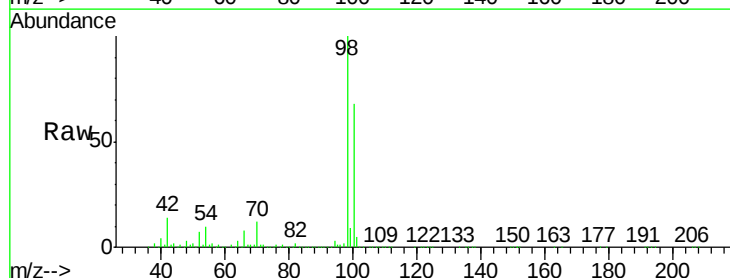
Acq: 25 Jun 2020 16:42

Tgt Ion: 98 Resp: 355478

Ion Ratio Lower Upper

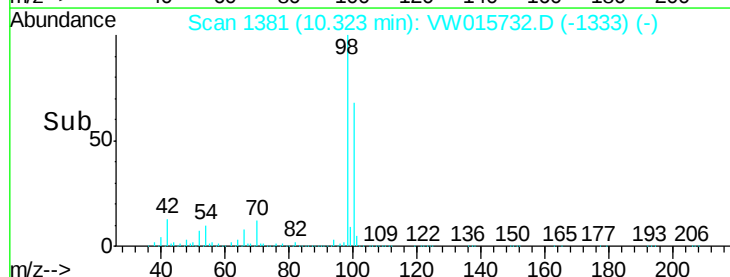
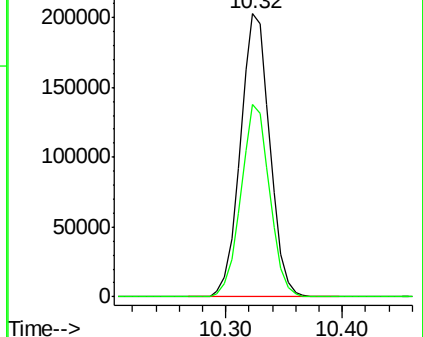
98 100

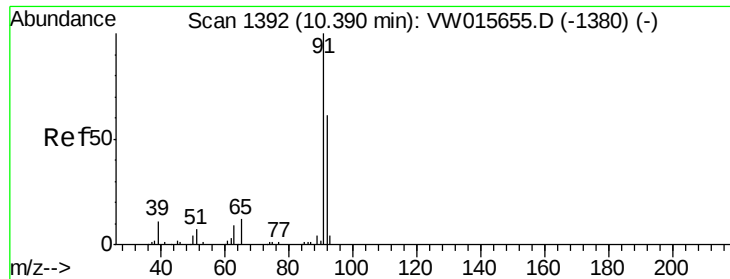
100 66.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.383 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW015732.D

Acq: 25 Jun 2020 16:42

Instrument :

MSVOA_W

ClientSampleId :

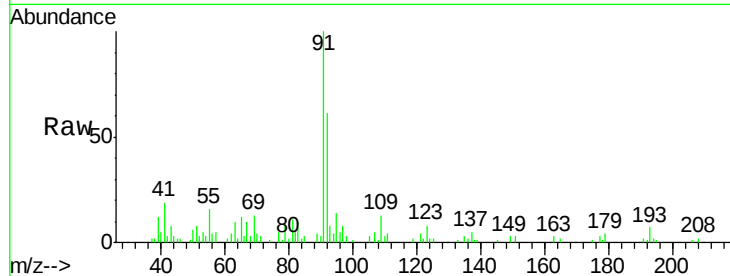
TP-8-S2

Tot Ion: 92 Resp: 7244

Ion Ratio Lower Upper

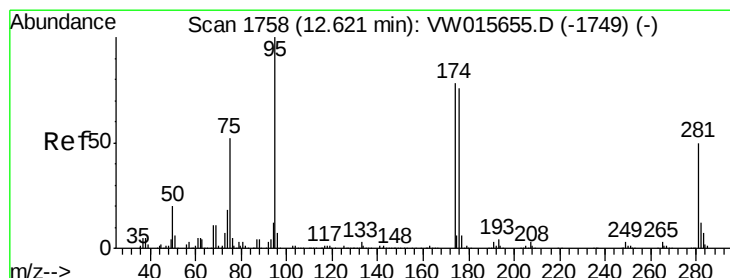
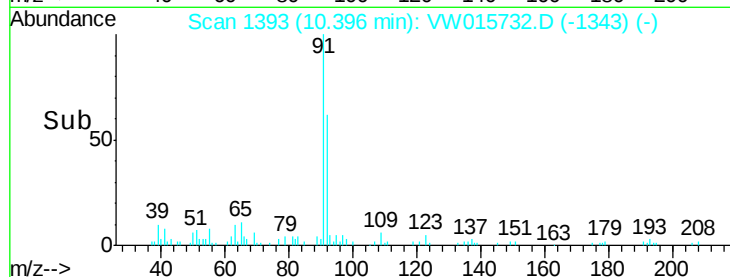
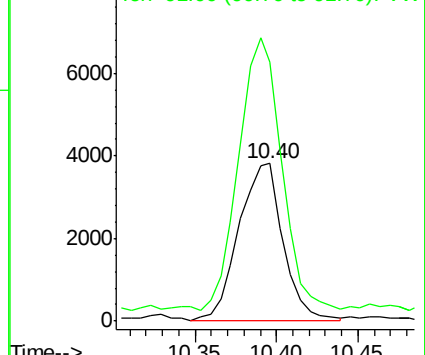
92 100

91 167.6 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 55.862 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015732.D

Acq: 25 Jun 2020 16:42

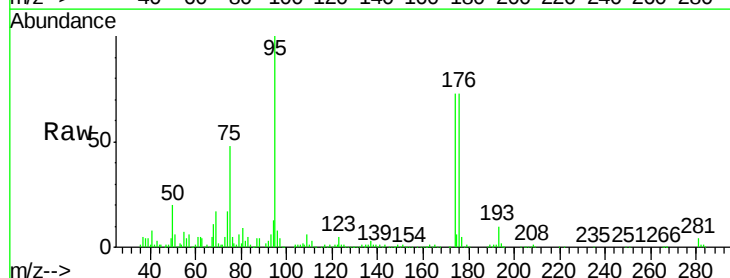
Tgt Ion: 95 Resp: 146117

Ion Ratio Lower Upper

95 100

174 68.1 0.0 157.0

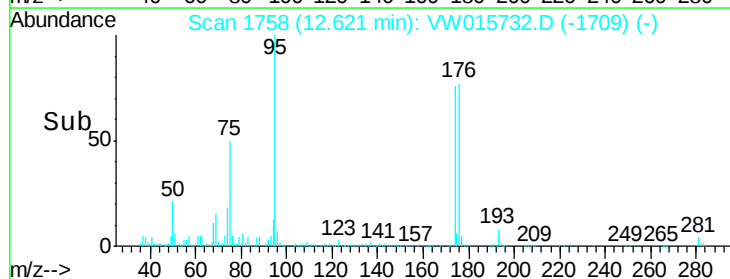
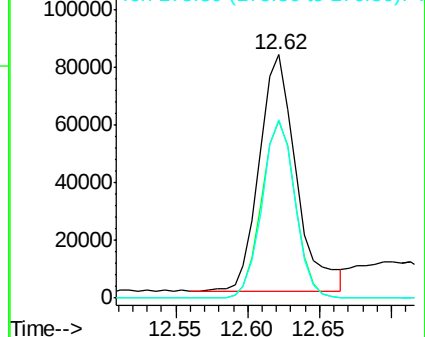
176 66.4 0.0 151.4

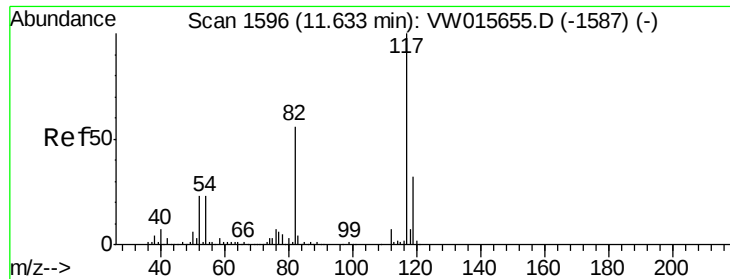


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

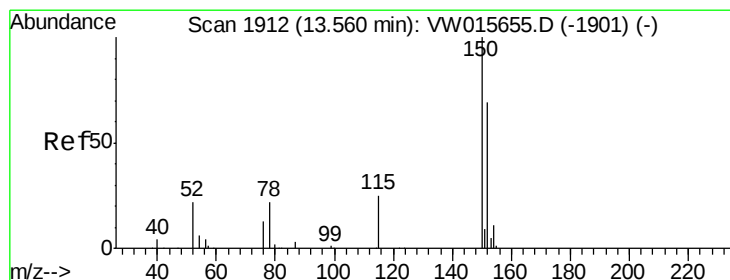
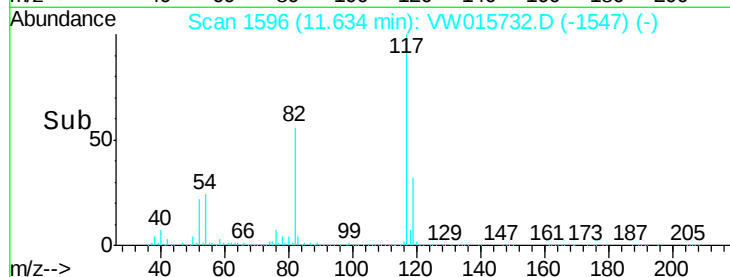
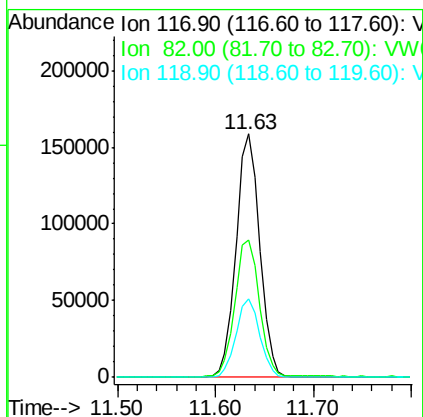
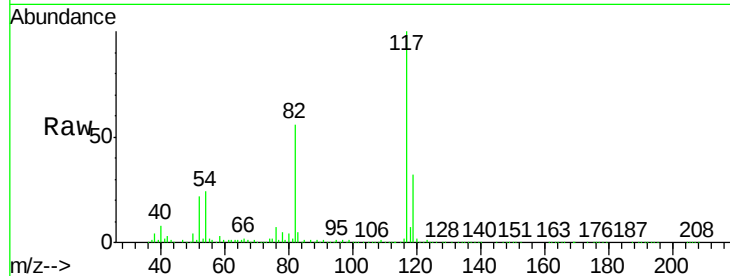




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015732.D
Acq: 25 Jun 2020 16:42

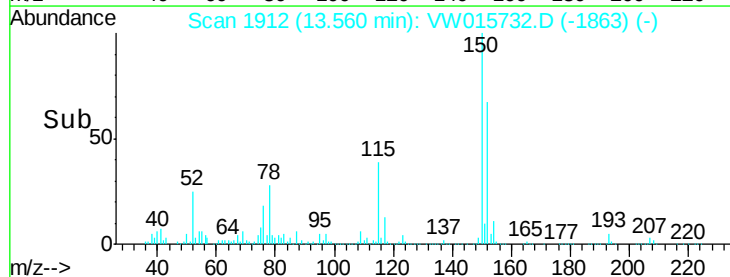
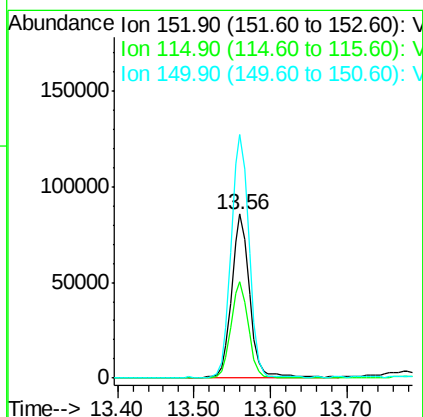
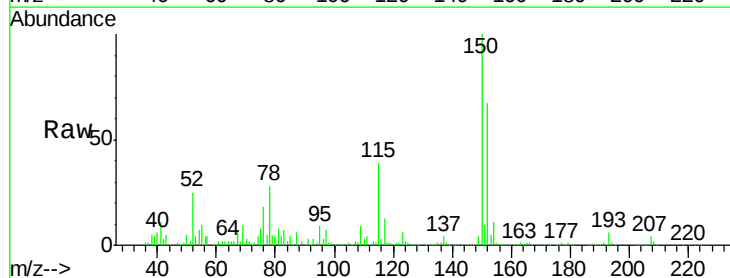
Instrument :
MSVOA_W
ClientSampleId :
TP-8-S2

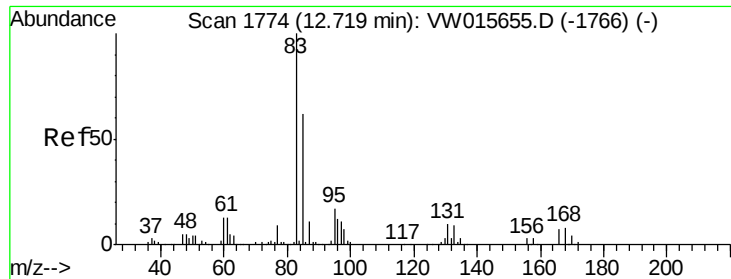
Tot Ion:117 Resp: 266566
Ion Ratio Lower Upper
117 100
82 55.9 45.1 67.7
119 32.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015732.D
Acq: 25 Jun 2020 16:42

Tgt Ion:152 Resp: 139139
Ion Ratio Lower Upper
152 100
115 55.9 30.1 90.5
150 146.0 0.0 345.6





#75

1,1,2,2-Tetrachloroethane

Concen: 42.655 ug/l

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW015732.D

Acq: 25 Jun 2020 16:42

Instrument :

MSVOA_W

ClientSampleId :

TP-8-S2

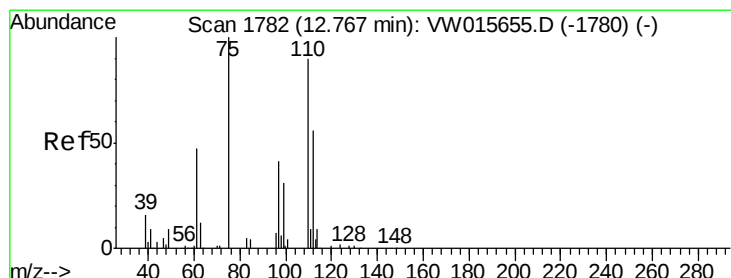
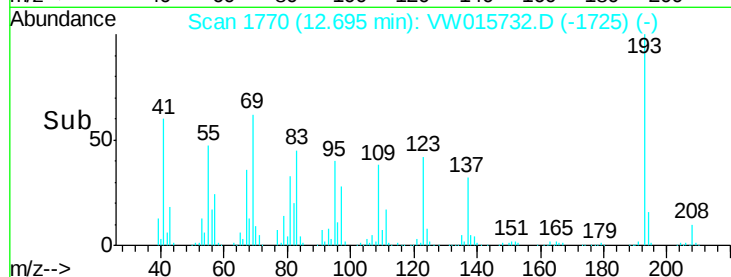
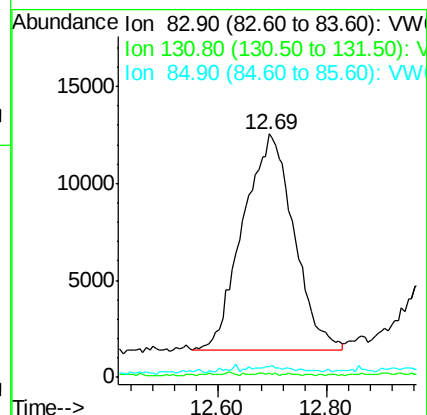
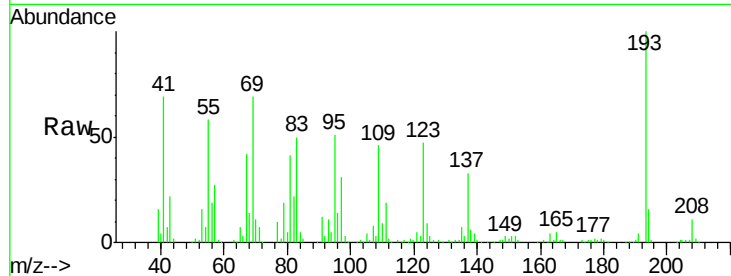
Tot Ion: 83 Resp: 72429

Ion Ratio Lower Upper

83 100

131 0.1 5.5 16.4#

85 0.3 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 54.451 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015732.D

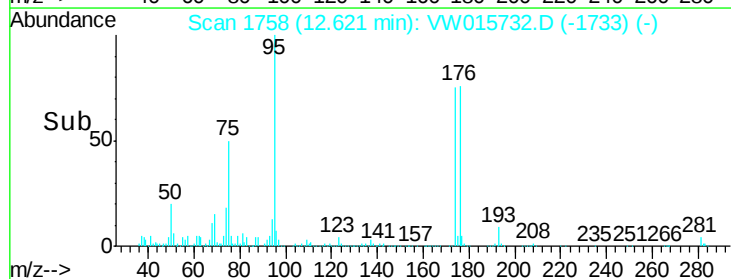
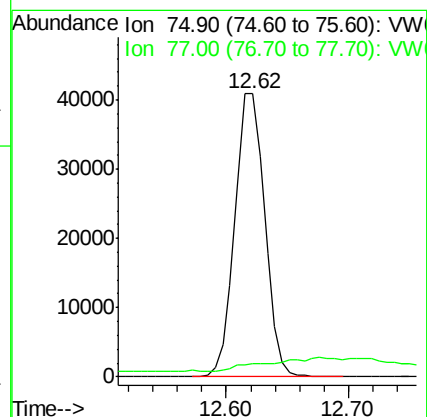
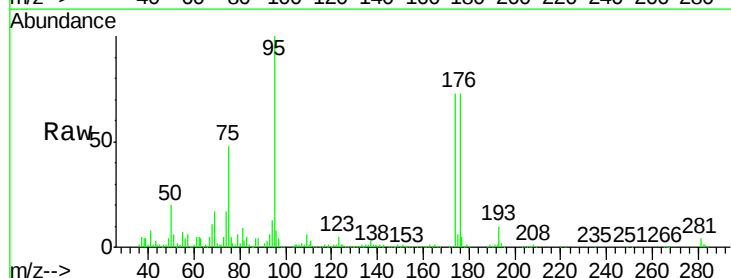
Acq: 25 Jun 2020 16:42

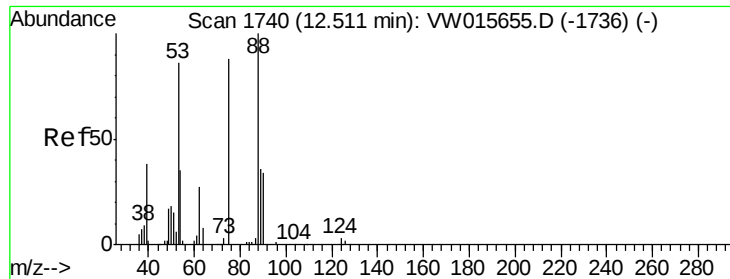
Tgt Ion: 75 Resp: 69107

Ion Ratio Lower Upper

75 100

77 0.0 179.1 537.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 137.218 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015732.D

Acq: 25 Jun 2020 16:42

Instrument :

MSVOA_W

ClientSampleId :

TP-8-S2

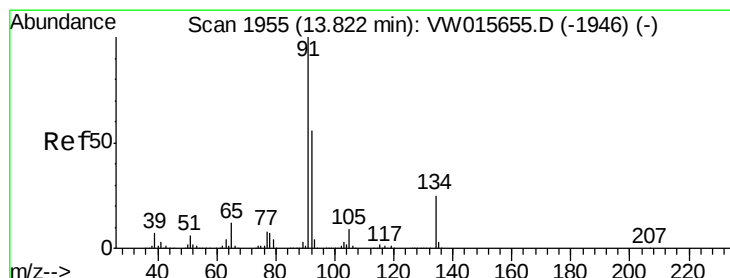
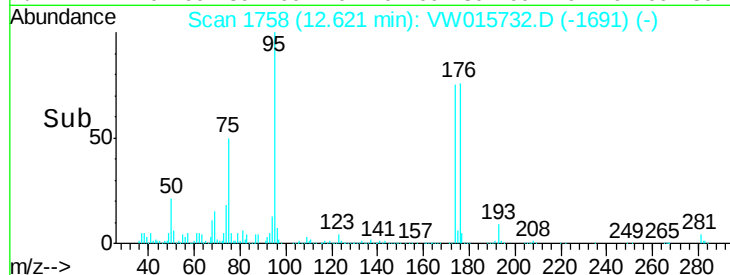
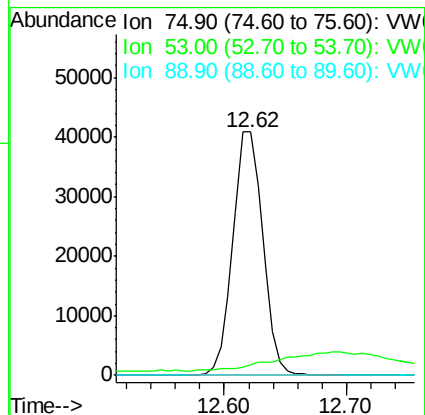
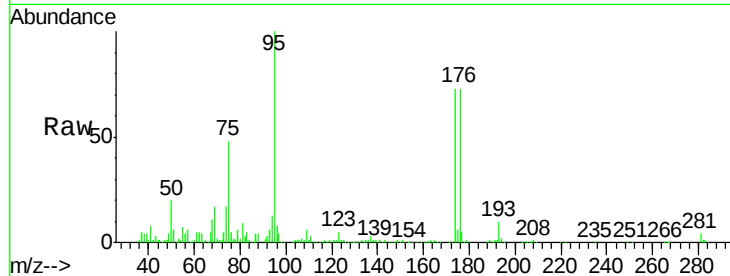
Tot Ion: 75 Resp: 69107

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

89 0.1 36.6 55.0#



#89

n-Butylbenzene

Concen: 1.584 ug/l

RT: 13.77 min Scan# 1946

Delta R.T. -0.05 min

Lab File: VW015732.D

Acq: 25 Jun 2020 16:42

Tgt Ion: 91 Resp: 15000

Ion Ratio Lower Upper

91 100

92 6.7 27.5 82.4#

134 0.7 13.0 38.9#

