

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062620\
 Data File : VW015743.D
 Acq On : 26 Jun 2020 13:41
 Operator : SY/VA
 Sample : L3115-01
 Misc : 7.27G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP

Quant Time: Jun 27 01:49:59 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	169538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	292682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	280229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	135956	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	112145	59.45	ug/l	0.00
Spiked Amount			Recovery	=	118.90%	
35) Dibromofluoromethane	7.88	113	91690	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
50) Toluene-d8	10.32	98	364996	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.62	95	140466	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	

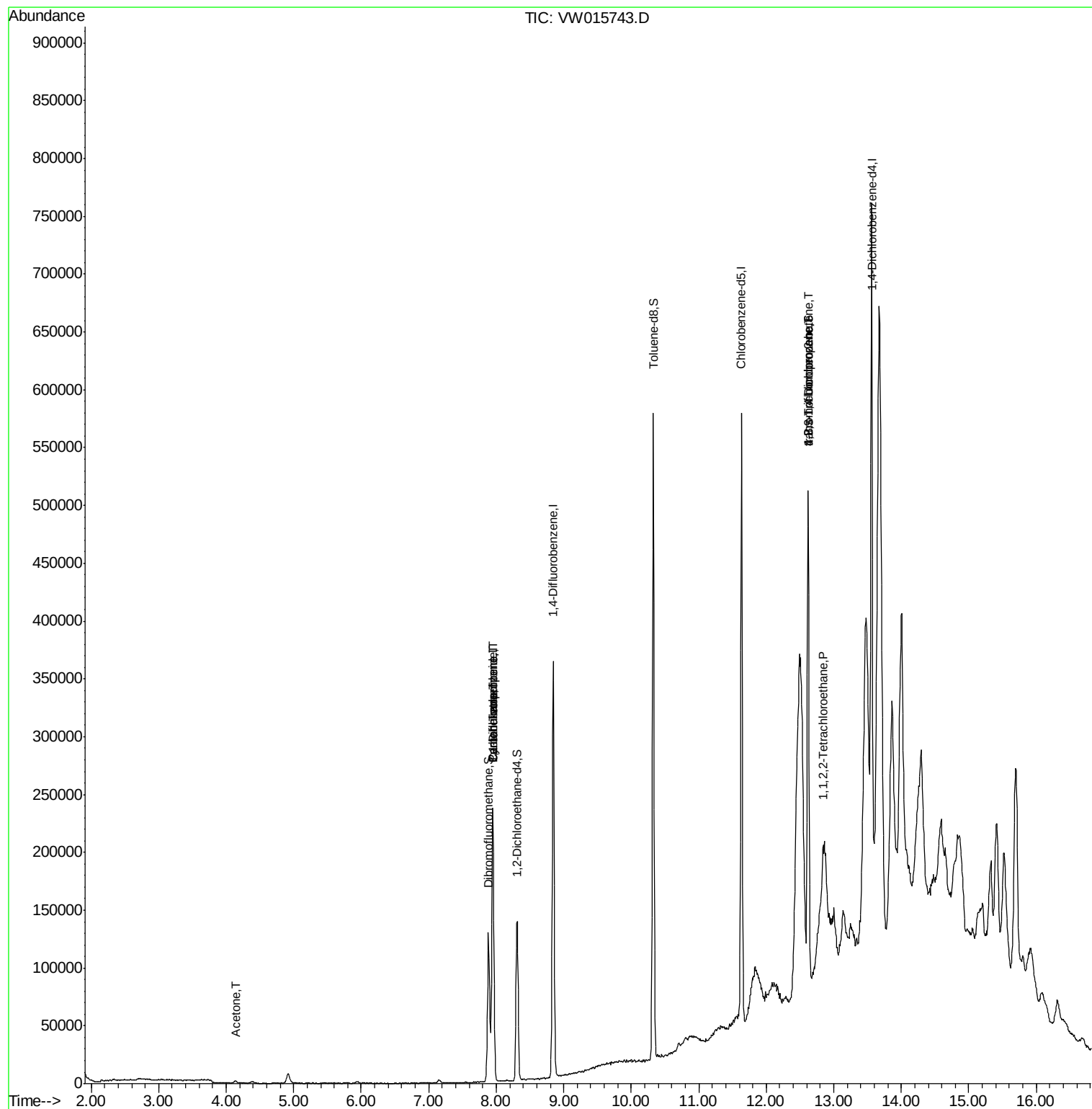
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	57	Below Cal	#	72
16) Acetone	4.14	43	3749	10.455	ug/l	99
18) Methyl Acetate	4.69	43	249	Below Cal	#	52
20) Methylene Chloride	4.93	84	6701	Below Cal		96
31) Cyclohexane	7.95	56	4345	1.337	ug/l #	22
36) 1,1-Dichloropropene	7.95	75	14312	4.701	ug/l #	42
38) Carbon Tetrachloride	7.95	117	18097	6.133	ug/l #	18
75) 1,1,2,2-Tetrachloroethane	12.84	83	34453	20.765	ug/l #	28
76) 1,2,3-Trichloropropane	12.62	75	74687	60.226	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	74687	151.770	ug/l #	8

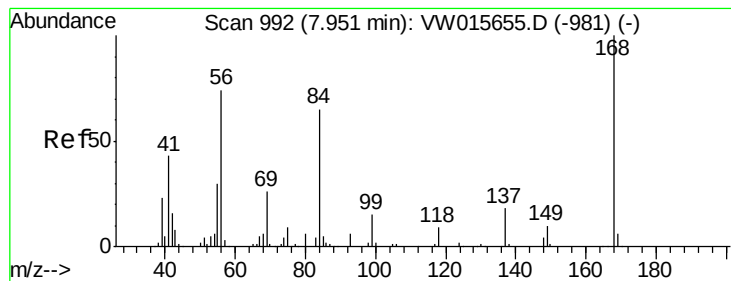
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW015743.D

Acq: 26 Jun 2020 13:41

Instrument :

MSVOA_W

ClientSampled :

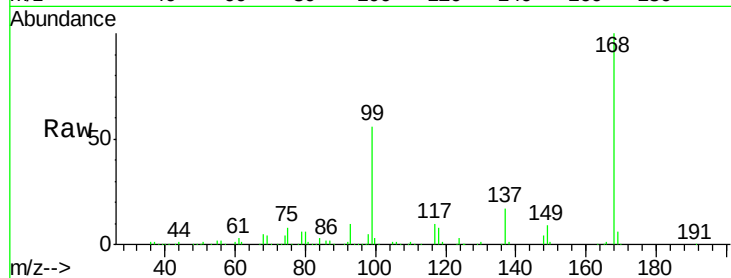
TP

Tot Ion:168 Resp: 169538

Ion Ratio Lower Upper

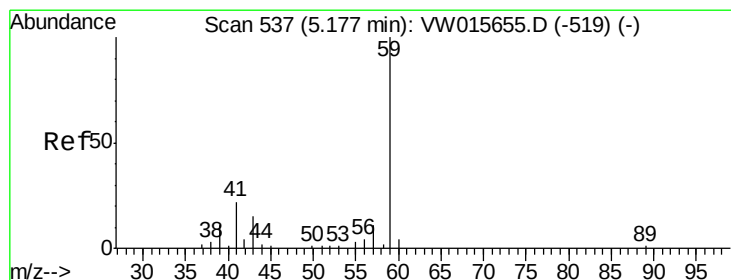
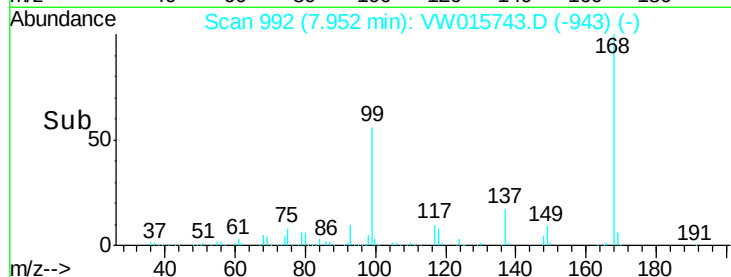
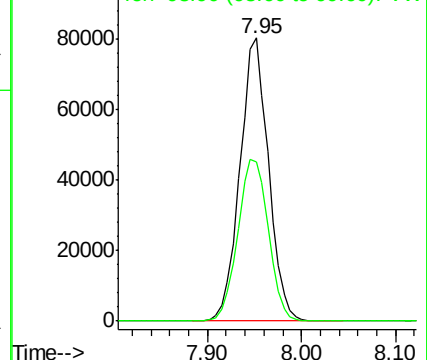
168 100

99 56.4 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: 5.20 min Scan# 541

Delta R.T. 0.02 min

Lab File: VW015743.D

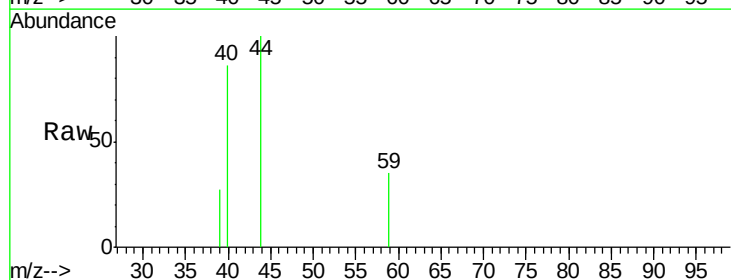
Acq: 26 Jun 2020 13:41

Tgt Ion: 59 Resp: 57

Ion Ratio Lower Upper

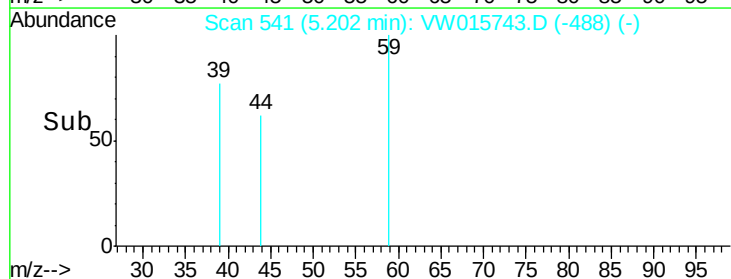
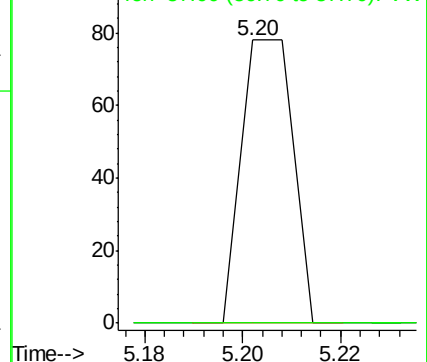
59 100

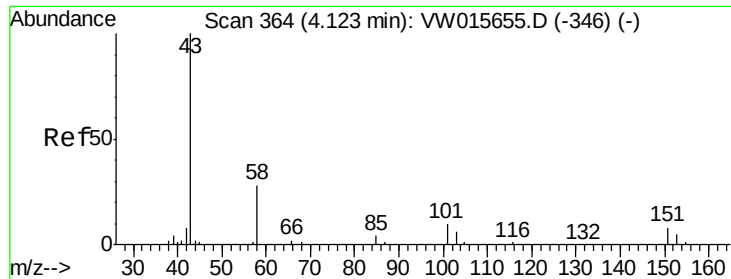
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 10.455 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015743.D

Acq: 26 Jun 2020 13:41

Instrument :

MSVOA_W

ClientSampled :

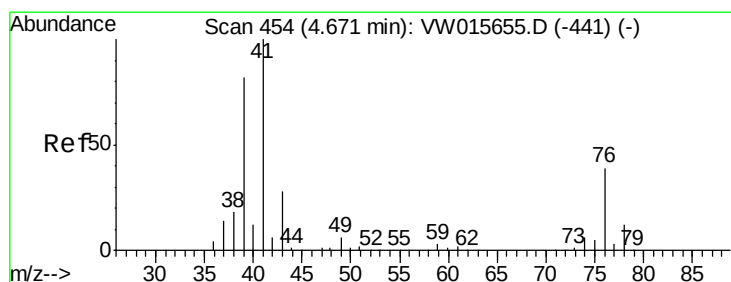
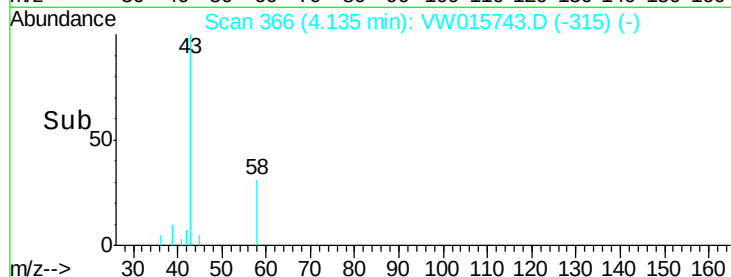
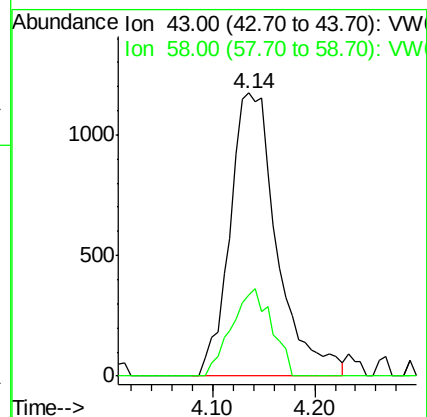
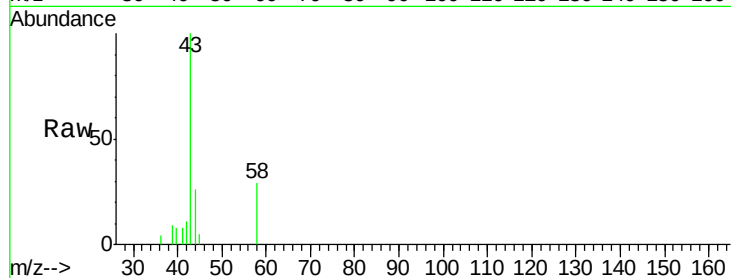
TP

Tot Ion: 43 Resp: 3749

Ion Ratio Lower Upper

43 100

58 28.6 22.6 33.8



#18

Methyl Acetate

Concen: Below Cal

RT: 4.69 min Scan# 457

Delta R.T. 0.02 min

Lab File: VW015743.D

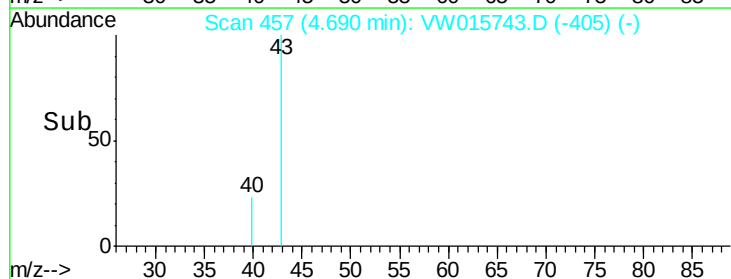
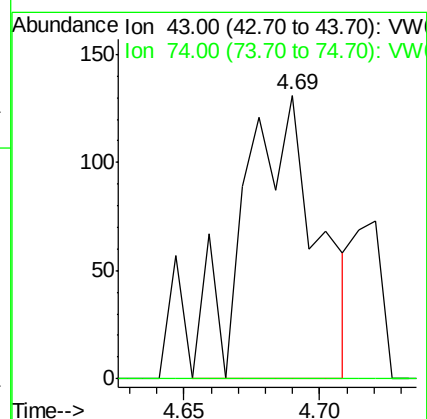
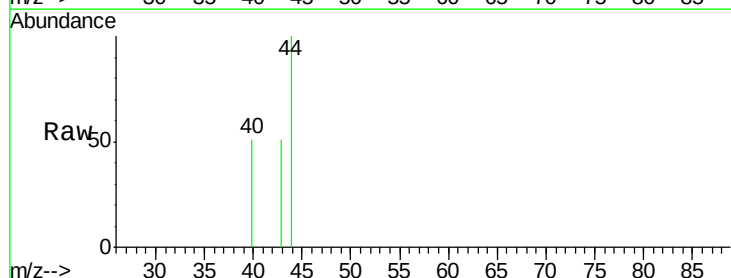
Acq: 26 Jun 2020 13:41

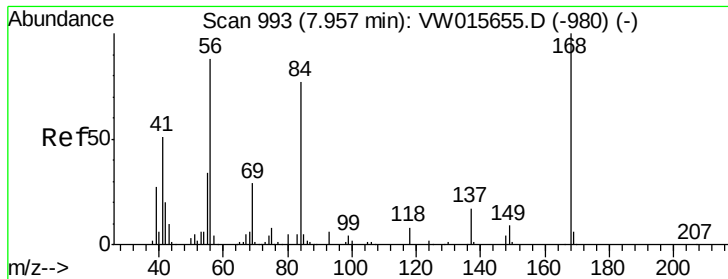
Tgt Ion: 43 Resp: 249

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#





#31

Cyclohexane

Concen: 1.337 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015743.D

Acq: 26 Jun 2020 13:41

Instrument :
MSVOA_W
ClientSampleId :
TP

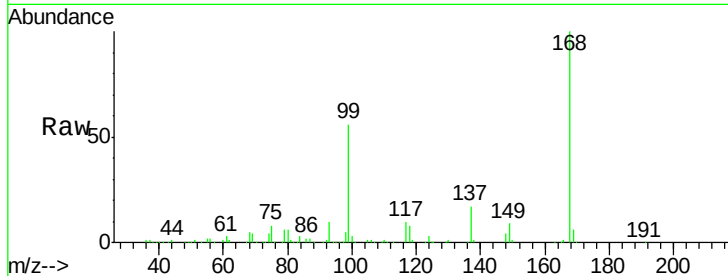
Tot Ion: 56 Resp: 4345

Ion Ratio Lower Upper

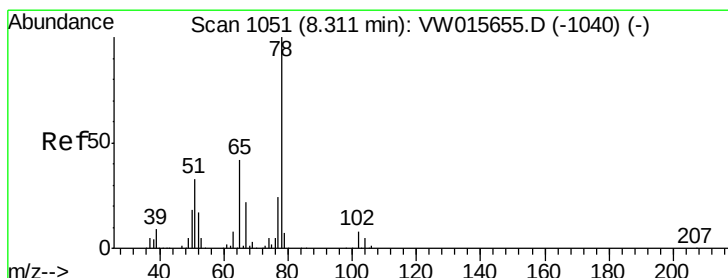
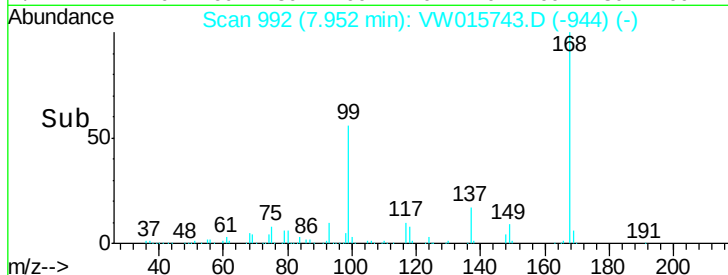
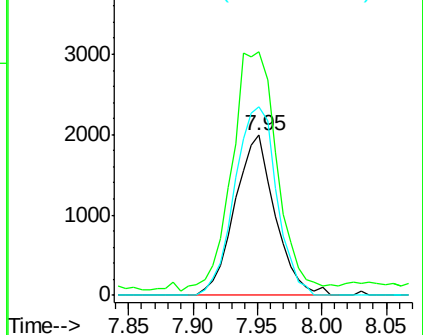
56 100

69 146.0 26.2 39.4#

84 118.0 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: 59.451 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015743.D

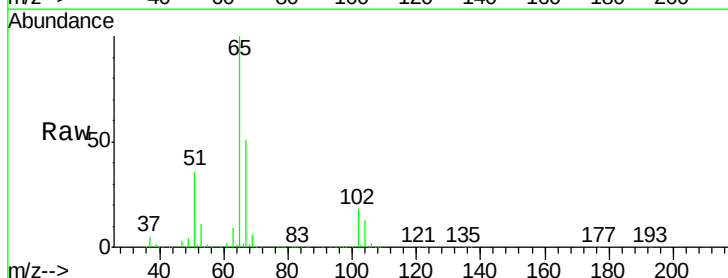
Acq: 26 Jun 2020 13:41

Tgt Ion: 65 Resp: 112145

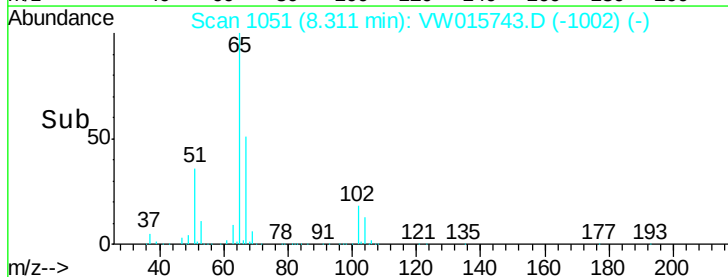
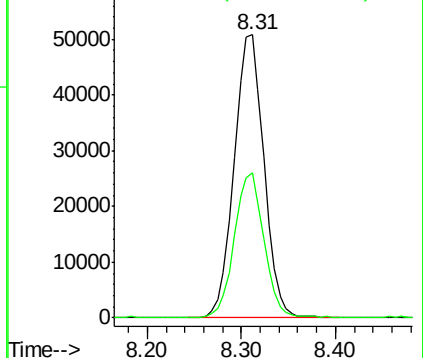
Ion Ratio Lower Upper

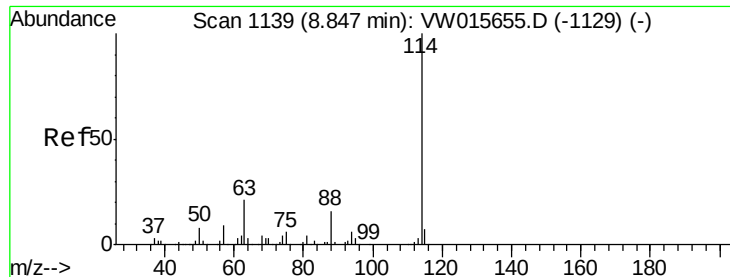
65 100

67 50.1 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: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW015743.D

Acq: 26 Jun 2020 13:41

Instrument :

MSVOA_W

ClientSampleId :

TP

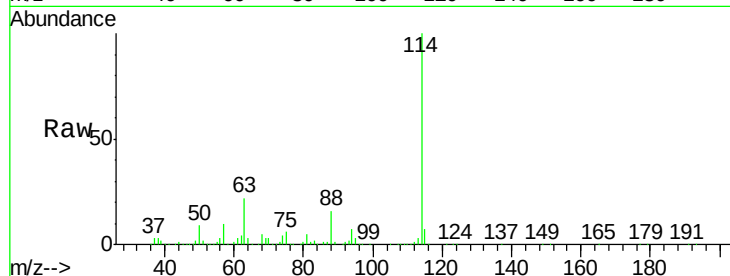
Tot Ion:114 Resp: 292682

Ion Ratio Lower Upper

114 100

63 22.2 0.0 42.4

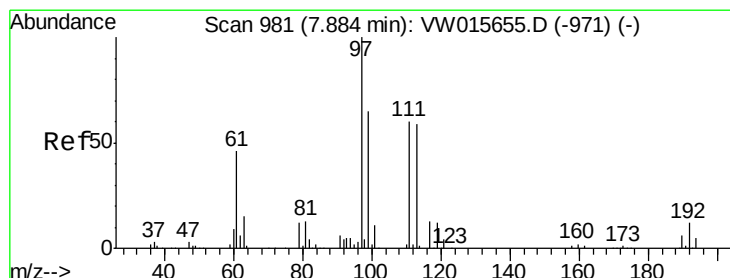
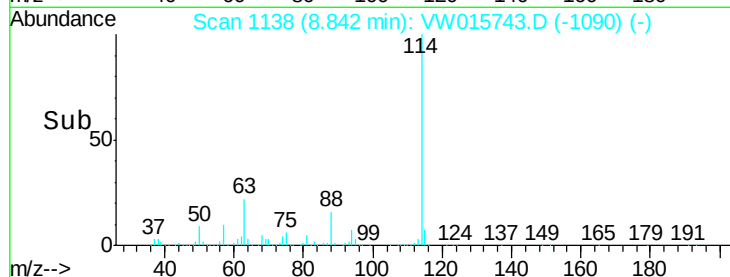
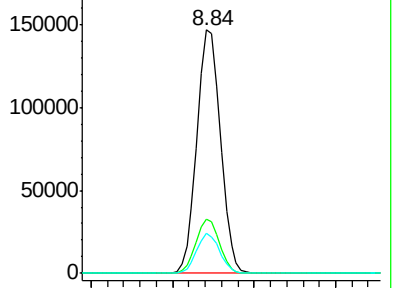
88 16.3 0.0 32.6



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: 49.803 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015743.D

Acq: 26 Jun 2020 13:41

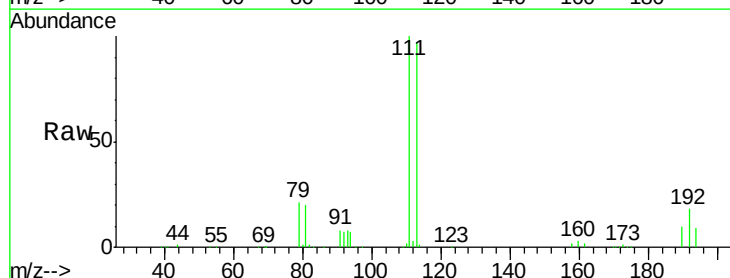
Tgt Ion:113 Resp: 91690

Ion Ratio Lower Upper

113 100

111 101.7 82.3 123.5

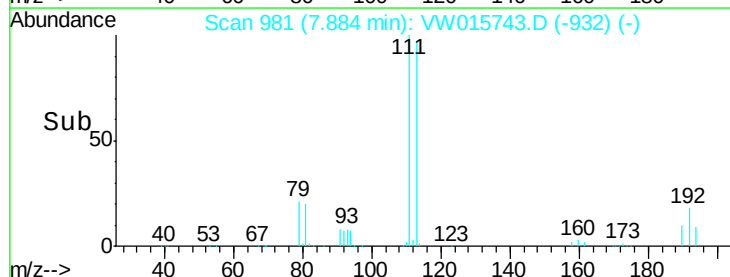
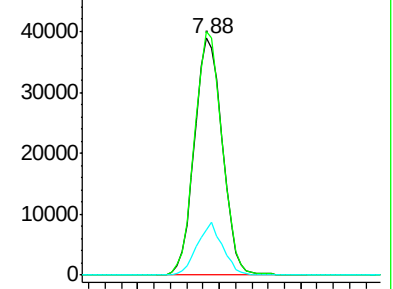
192 20.2 16.4 24.6

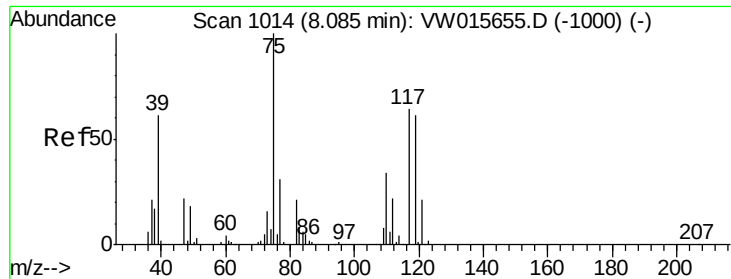


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.701 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015743.D

Acq: 26 Jun 2020 13:41

Instrument :

MSVOA_W

ClientSampled :

TP

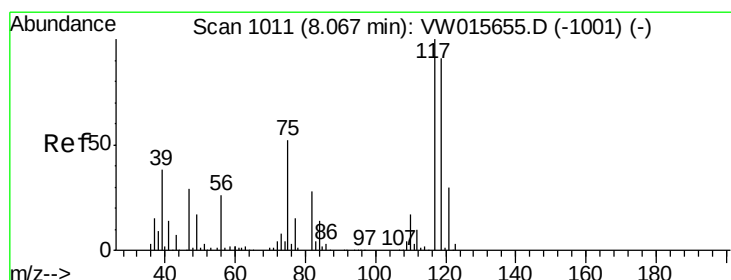
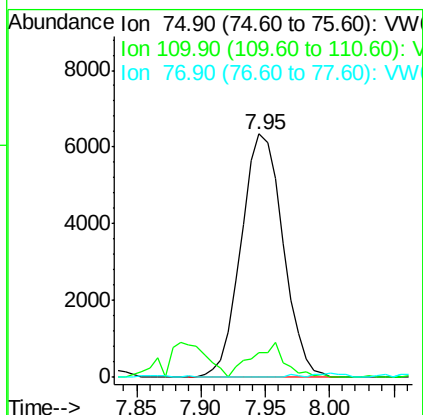
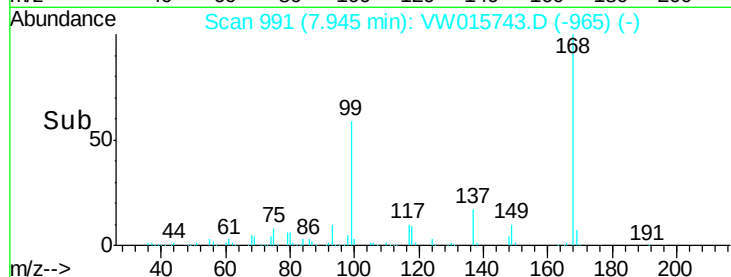
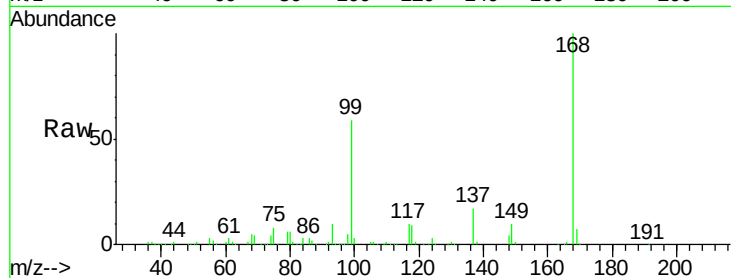
Tot Ion: 75 Resp: 14312

Ion Ratio Lower Upper

75 100

110 0.0 17.0 51.0#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.133 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW015743.D

Acq: 26 Jun 2020 13:41

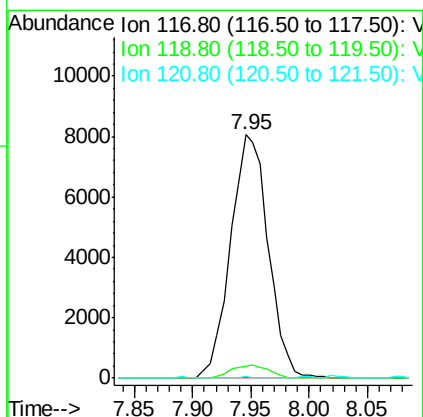
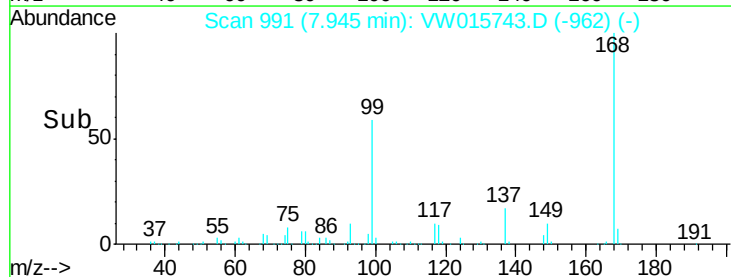
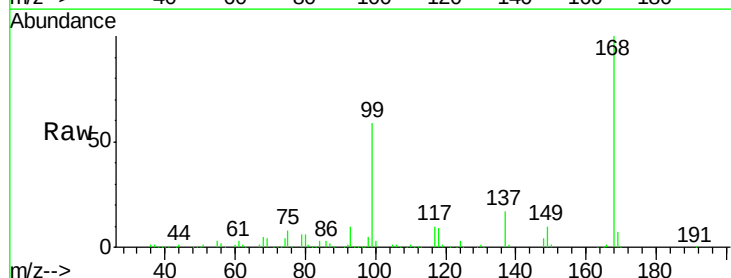
Tgt Ion: 117 Resp: 18097

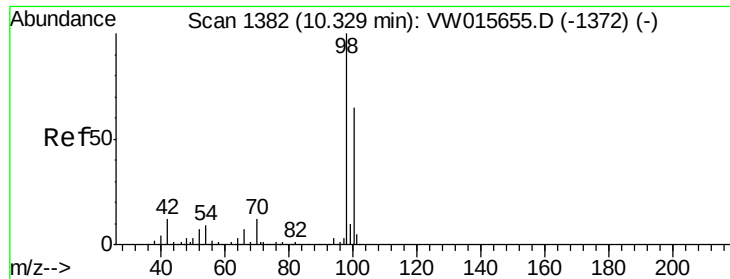
Ion Ratio Lower Upper

117 100

119 5.0 73.2 109.8#

121 0.9 23.9 35.9#

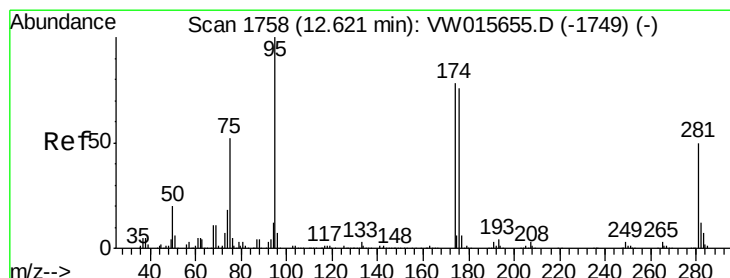
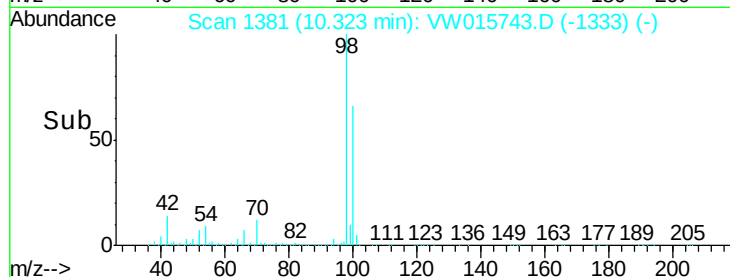
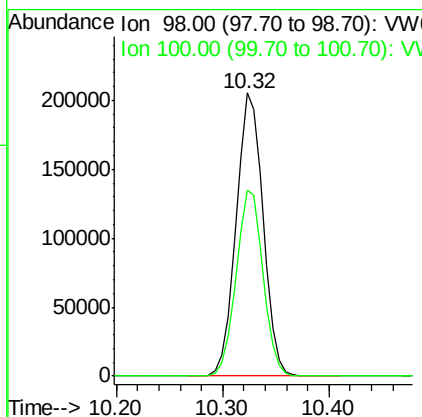
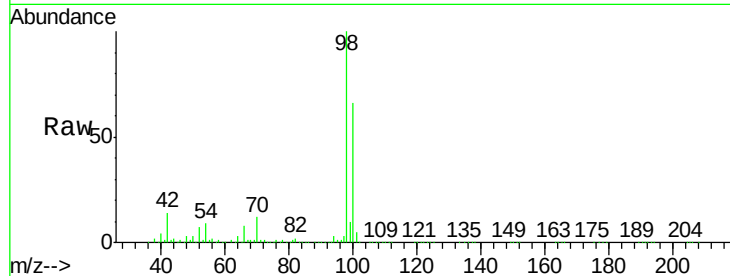




#50
Toluene-d8
Concen: 50.377 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW015743.D
Acq: 26 Jun 2020 13:41

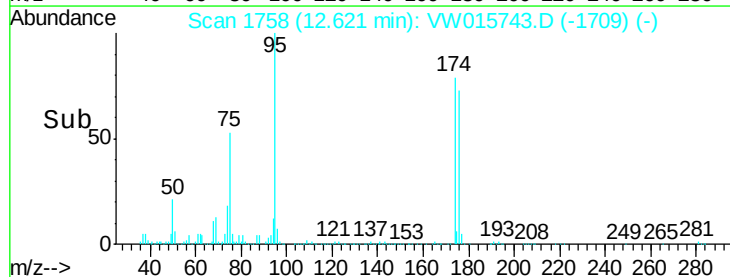
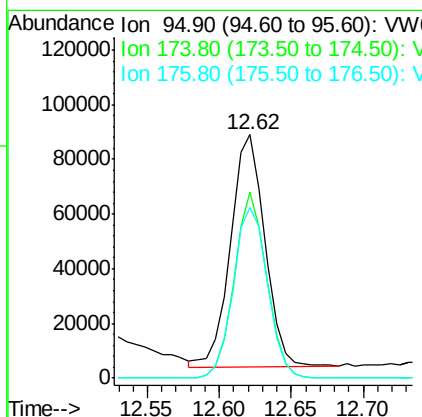
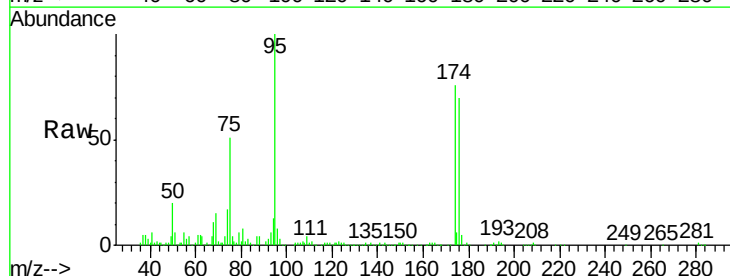
Instrument :
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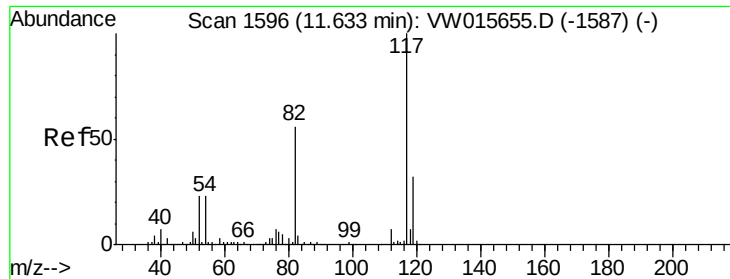
Tot Ion: 98 Resp: 364996
Ion Ratio Lower Upper
98 100
100 65.6 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 52.643 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW015743.D
Acq: 26 Jun 2020 13:41

Tgt Ion: 95 Resp: 140466
Ion Ratio Lower Upper
95 100
174 75.6 0.0 157.0
176 73.9 0.0 151.4

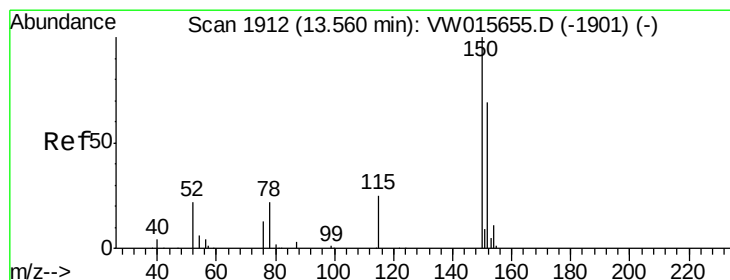
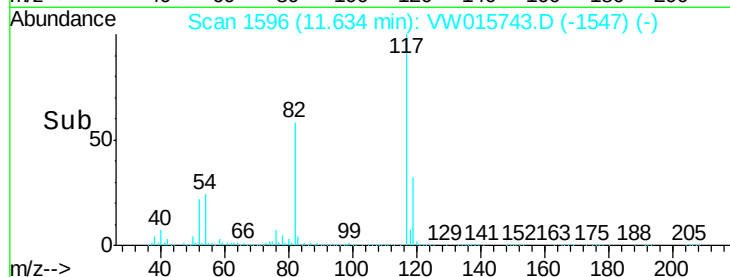
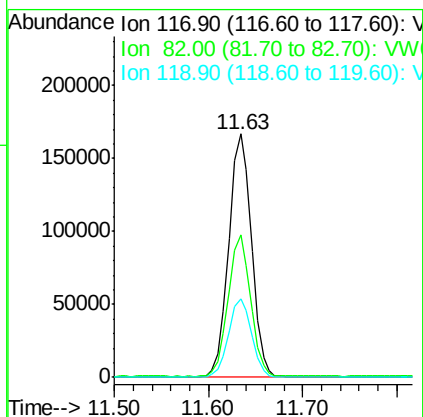
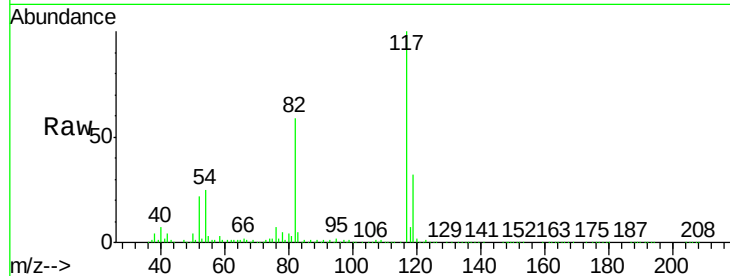




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015743.D
Acq: 26 Jun 2020 13:41

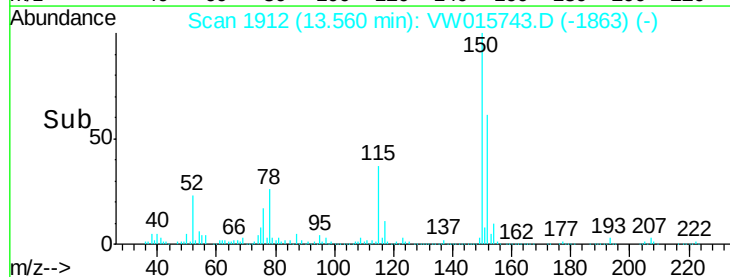
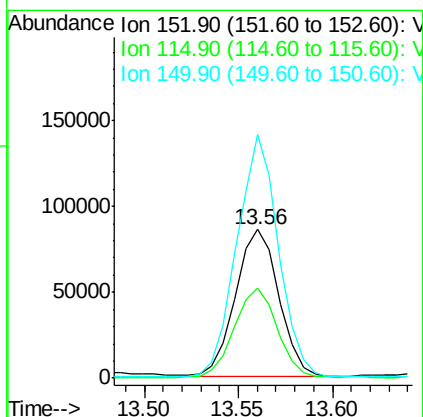
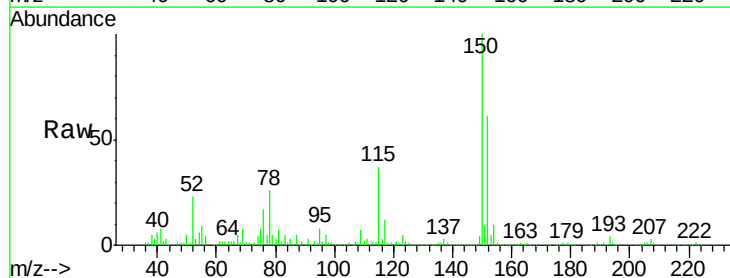
Instrument :
MSVOA_W
ClientSampleId :
TP

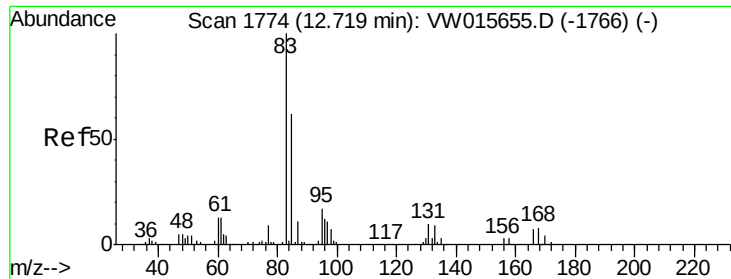
Tot Ion:117 Resp: 280229
Ion Ratio Lower Upper
117 100
82 58.2 45.1 67.7
119 32.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015743.D
Acq: 26 Jun 2020 13:41

Tgt Ion:152 Resp: 135956
Ion Ratio Lower Upper
152 100
115 60.7 30.1 90.5
150 157.7 0.0 345.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.765 ug/l

RT: 12.84 min Scan# 1794

Delta R.T. 0.12 min

Lab File: VW015743.D

Acq: 26 Jun 2020 13:41

Instrument :

MSVOA_W

ClientSampled :

TP

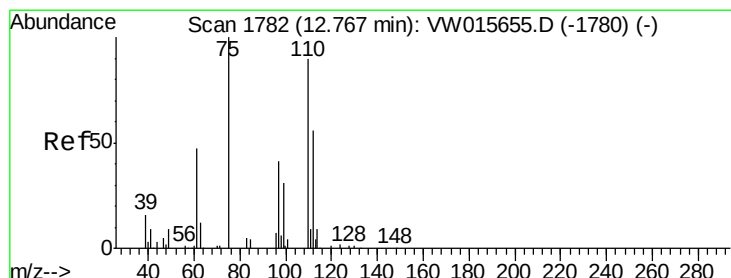
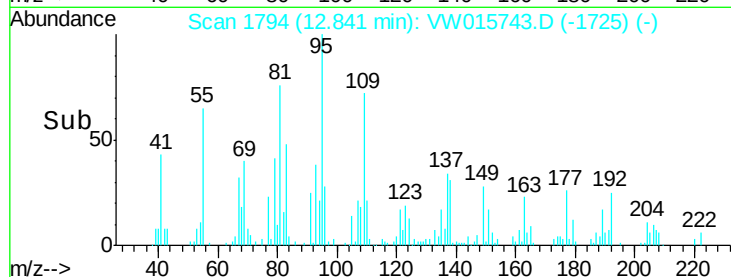
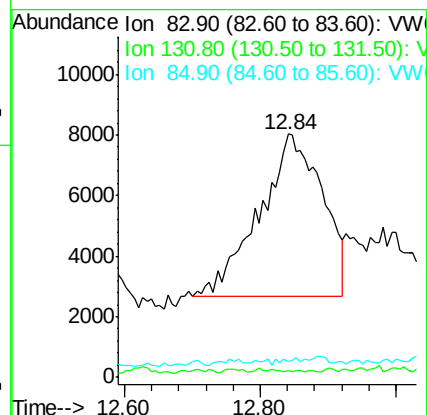
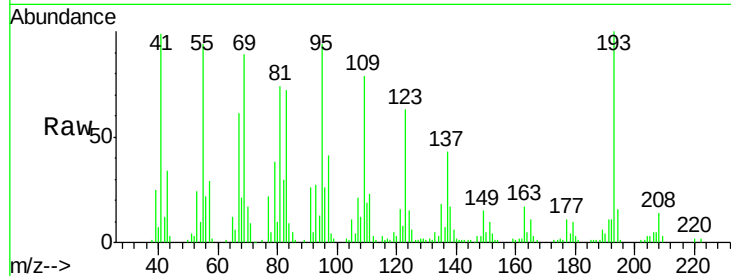
Tot Ion: 83 Resp: 34453

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

85 1.5 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 60.226 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015743.D

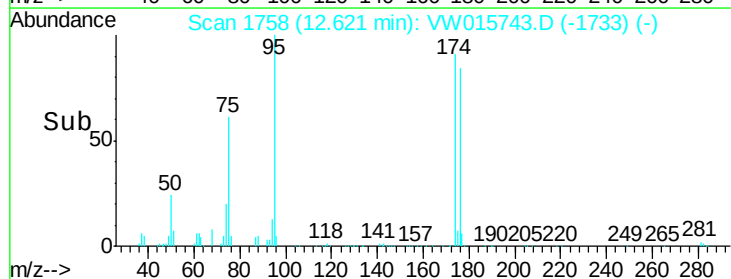
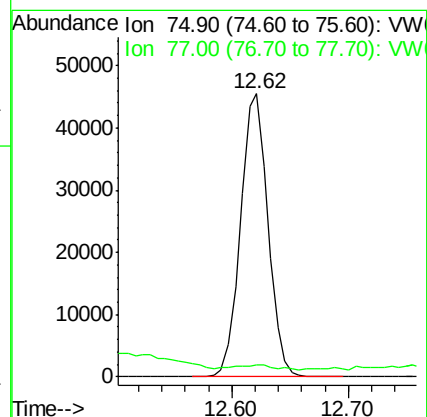
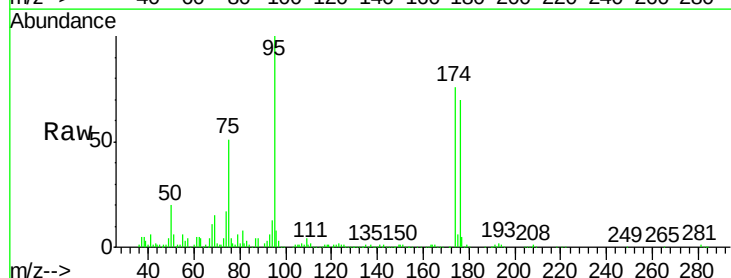
Acq: 26 Jun 2020 13:41

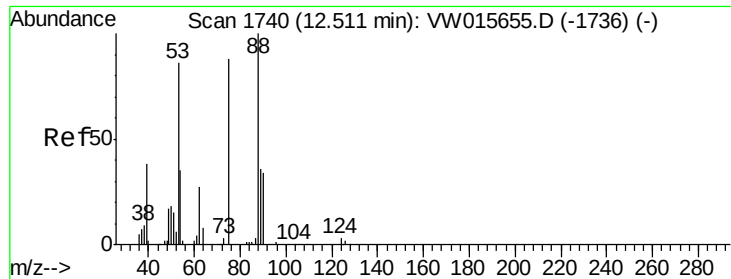
Tgt Ion: 75 Resp: 74687

Ion Ratio Lower Upper

75 100

77 2.4 179.1 537.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 151.770 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015743.D

Acq: 26 Jun 2020 13:41

Instrument :

MSVOA_W

ClientSampleId :

TP

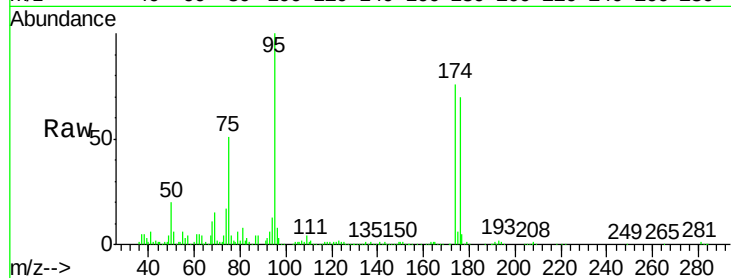
Tot Ion: 75 Resp: 74687

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

