

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012420\
 Data File : VW014754.D
 Acq On : 24 Jan 2020 19:35
 Operator : SY/VA
 Sample : L1247-09
 Misc : 6.26G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-7-6

Quant Time: Jan 25 06:11:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 24 13:12:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	78031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	111607	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	87630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	17395	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	44434	59.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.24%	
35) Dibromofluoromethane	7.88	113	41302	63.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.14%	
50) Toluene-d8	10.32	98	130110	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.62	95	26046	29.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.16%	

Target Compounds

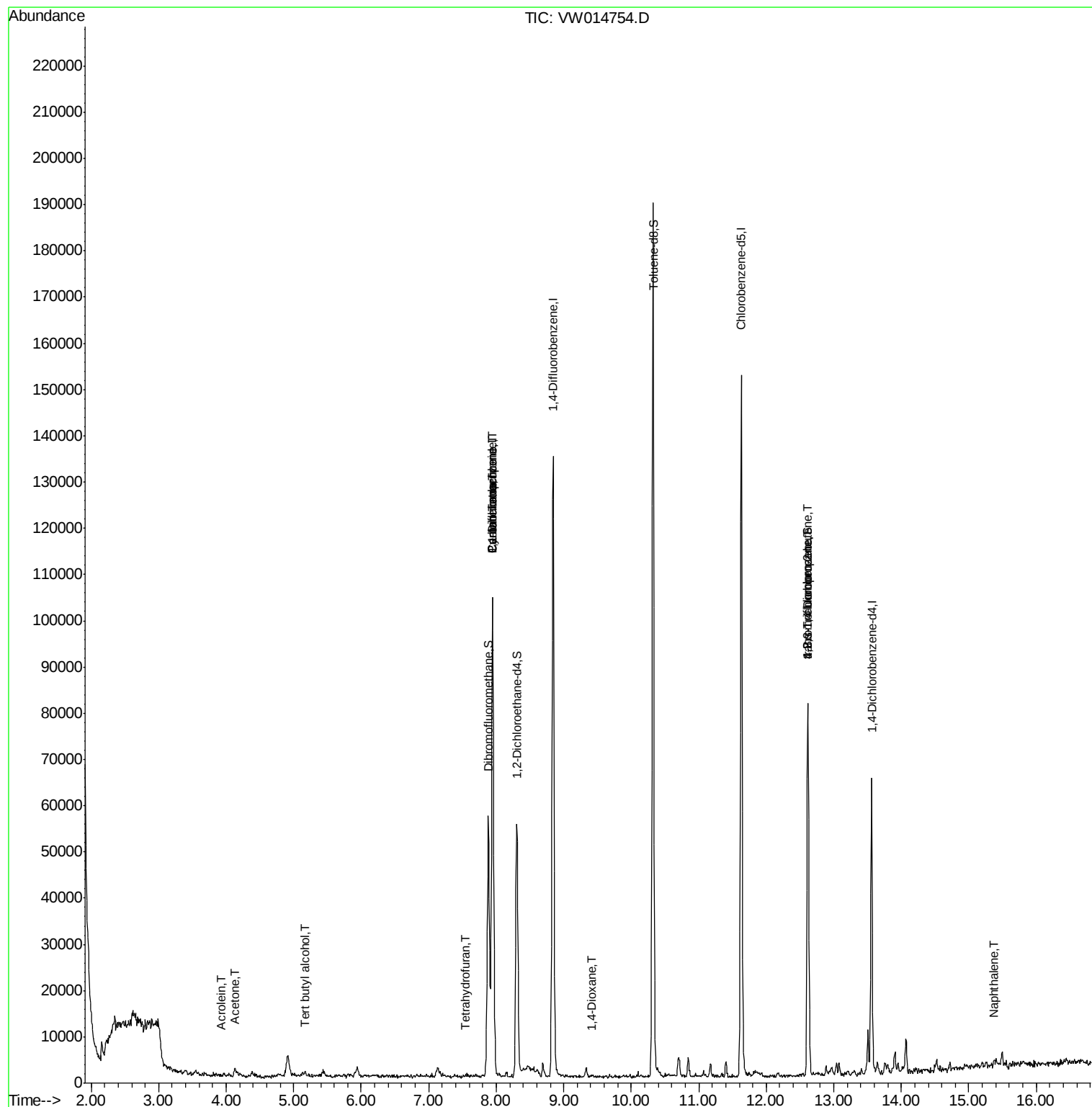
					Qvalue	
11) Tert butyl alcohol	5.16	59	570	10.555	ug/l #	87
13) Acrolein	3.93	56	69	1.147	ug/l #	15
16) Acetone	4.14	43	3669	19.425	ug/l #	88
20) Methylene Chloride	4.92	84	3110	Below Cal		89
29) Tetrahydrofuran	7.54	42	186	1.183	ug/l #	36
31) Cyclohexane	7.94	56	1997	1.277	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	6167	5.449	ug/l #	50
38) Carbon Tetrachloride	7.95	117	7803	7.916	ug/l #	17
49) 1,4-Dioxane	9.41	88	48	7.132	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	12902	74.705	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	12902	176.804	ug/l #	11
95) Naphthalene	15.36	128	619	2.015	ug/l #	77

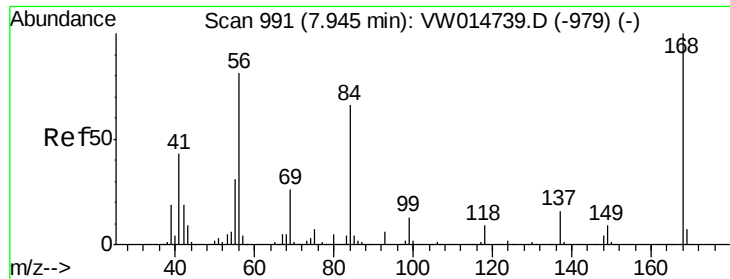
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jan 24 13:12:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014754.D

Acq: 24 Jan 2020 19:35

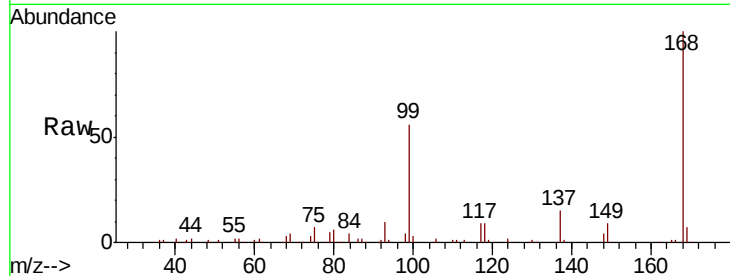
Instrument :
MSVOA_W
ClientSampled :
TP-7-6

Tot Ion:168 Resp: 78031

Ion Ratio Lower Upper

168 100

99 55.9 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

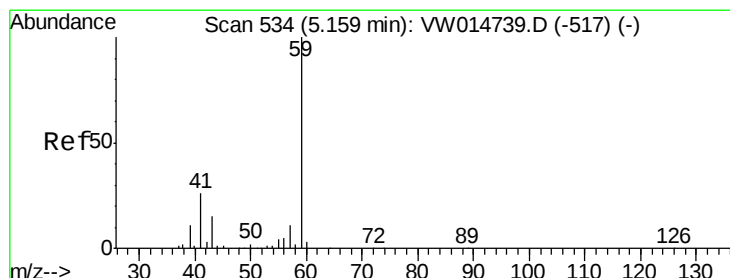
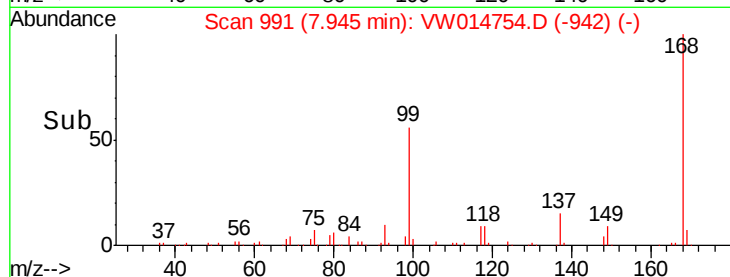
30000

20000

10000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 10.555 ug/l

RT: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW014754.D

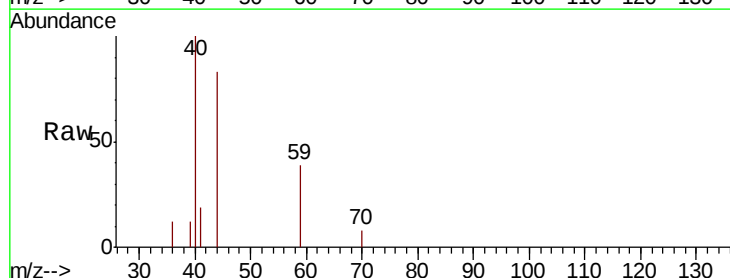
Acq: 24 Jan 2020 19:35

Tgt Ion: 59 Resp: 570

Ion Ratio Lower Upper

59 100

57 6.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

400

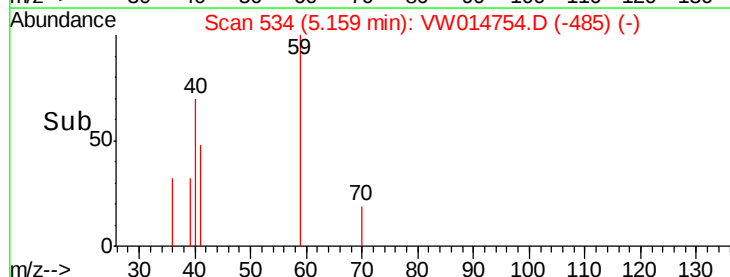
300

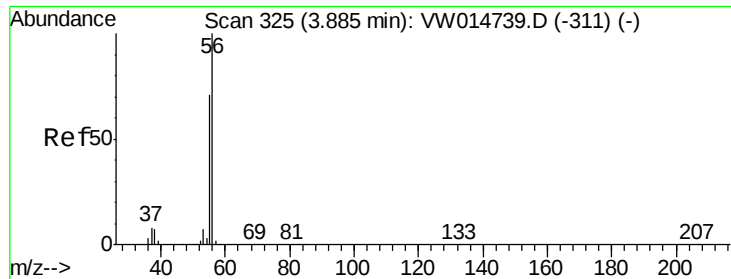
200

100

0

Time--> 5.10 5.15





#13

Acrolein

Concen: 1.147 ug/l

RT: 3.93 min Scan# 332

Delta R.T. 0.04 min

Lab File: VW014754.D

Acq: 24 Jan 2020 19:35

Instrument :

MSVOA_W

ClientSampled :

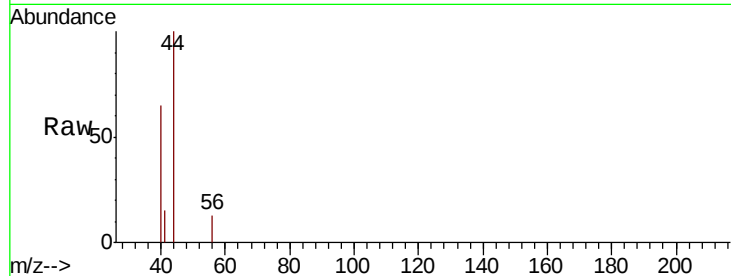
TP-7-6

Tot Ion: 56 Resp: 69

Ion Ratio Lower Upper

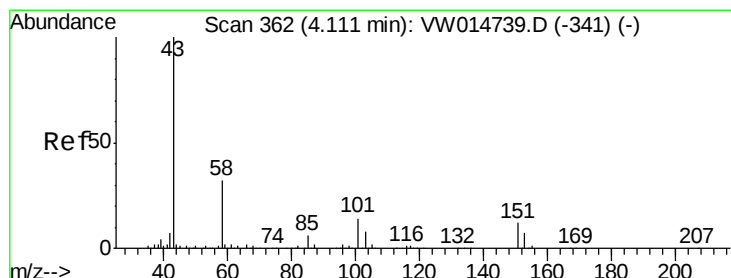
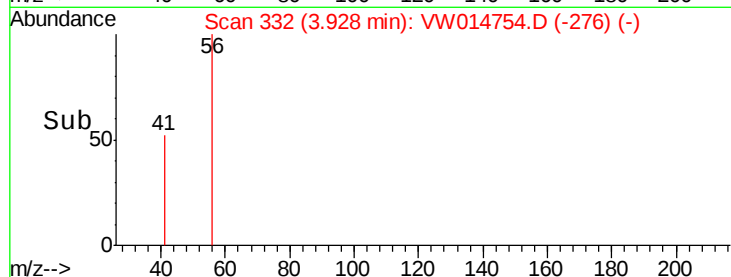
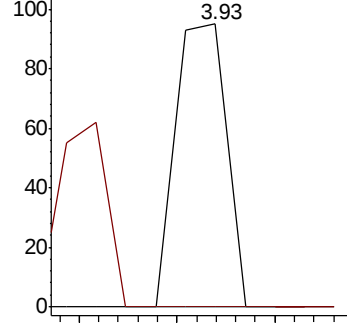
56 100

55 0.0 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 19.425 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.03 min

Lab File: VW014754.D

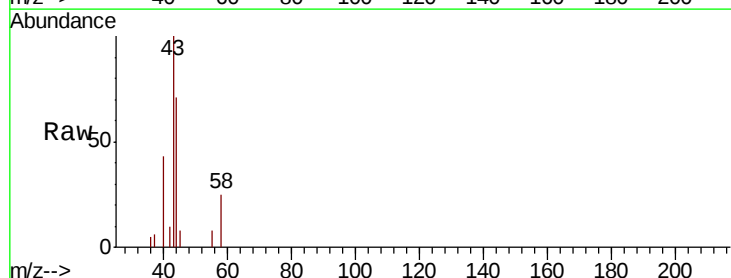
Acq: 24 Jan 2020 19:35

Tgt Ion: 43 Resp: 3669

Ion Ratio Lower Upper

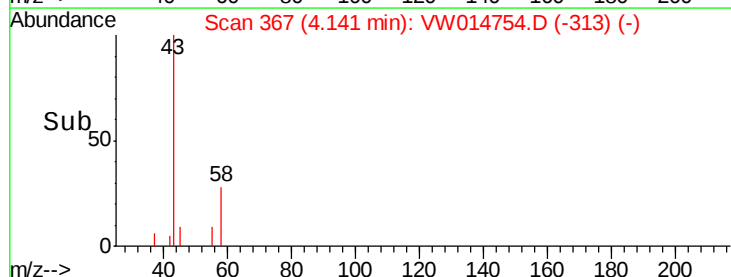
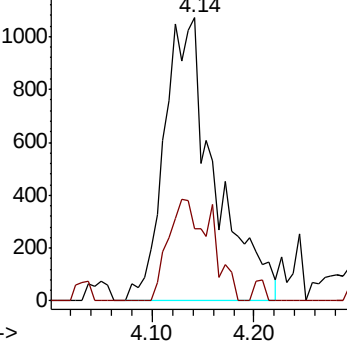
43 100

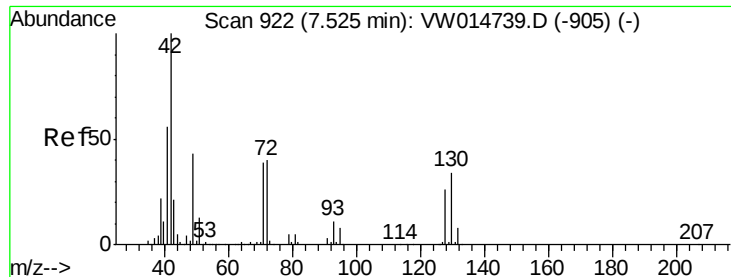
58 25.3 25.6 38.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

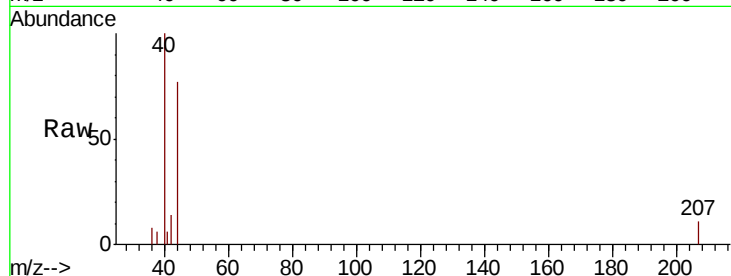




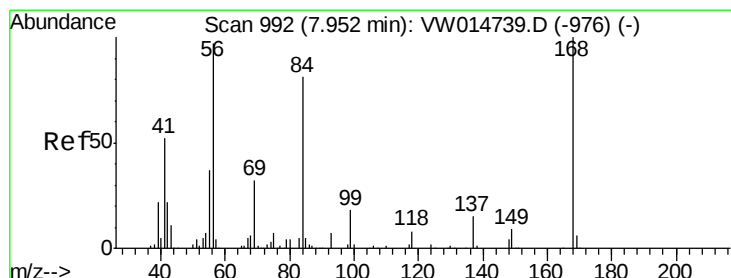
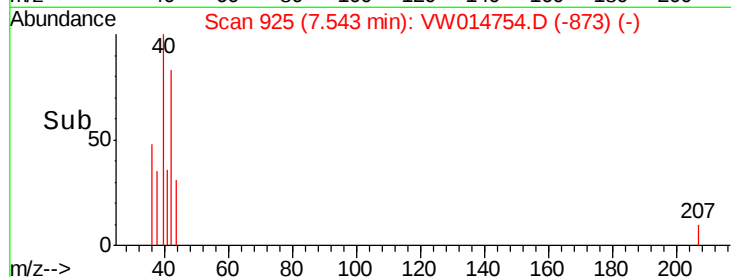
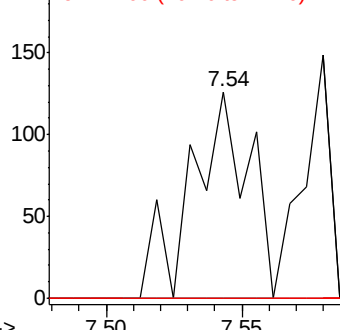
#29
Tetrahydrofuran
Concen: 1.183 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: VW014754.D
Acq: 24 Jan 2020 19:35

Instrument :
MSVOA_W
ClientSampled :
TP-7-6

Tot Ion: 42 Resp: 186
Ion Ratio Lower Upper
42 100
72 0.0 32.3 48.5#
71 0.0 31.0 46.4#

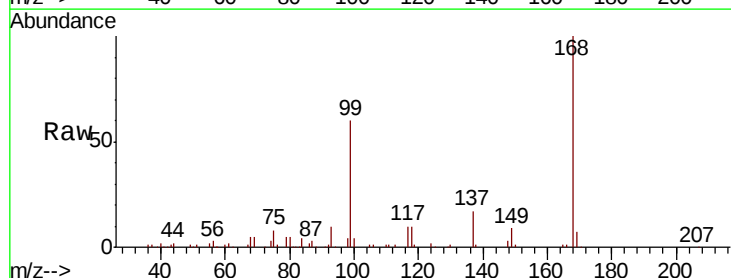


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

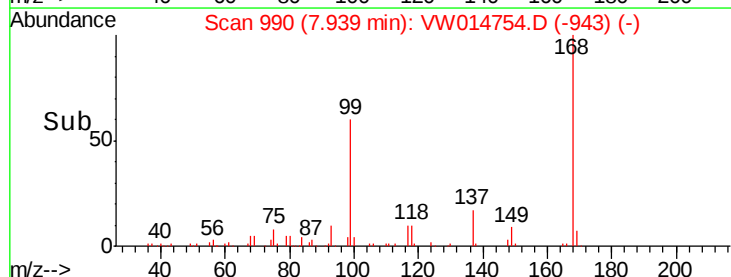
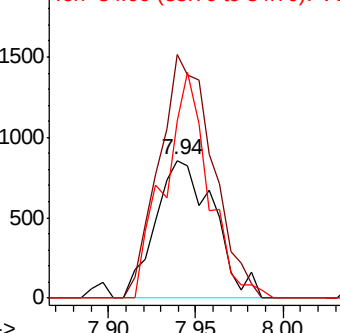


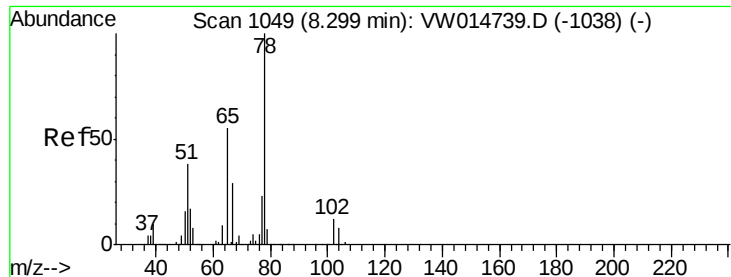
#31
Cyclohexane
Concen: 1.277 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW014754.D
Acq: 24 Jan 2020 19:35

Tgt Ion: 56 Resp: 1997
Ion Ratio Lower Upper
56 100
69 177.2 26.0 39.0#
84 128.4 66.6 99.8#



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

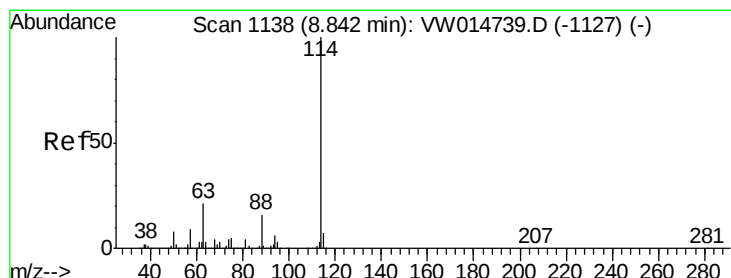
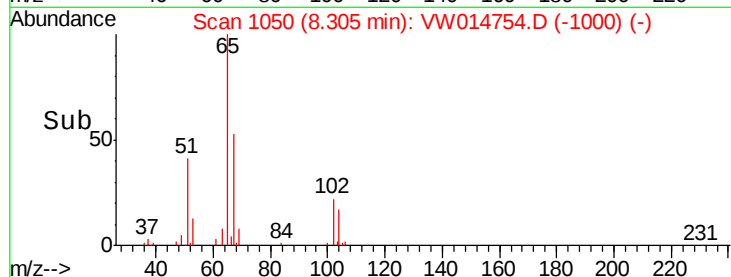
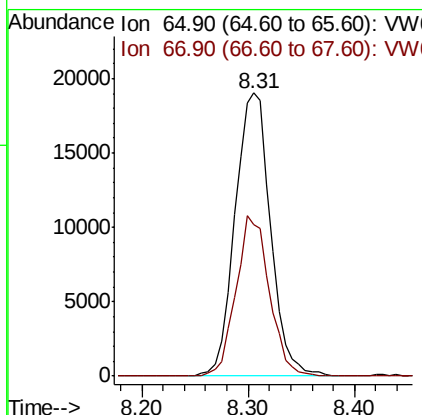
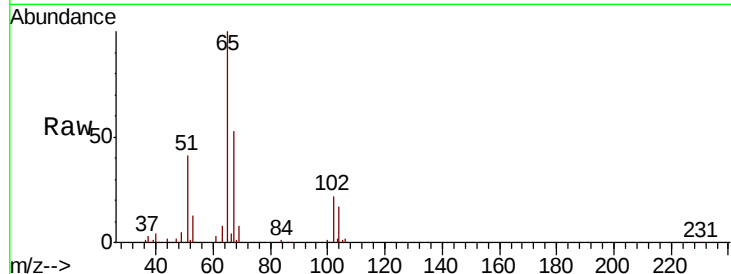




#33
 1,2-Dichloroethane-d4
 Concen: 59.124 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VW014754.D
 Acq: 24 Jan 2020 19:35

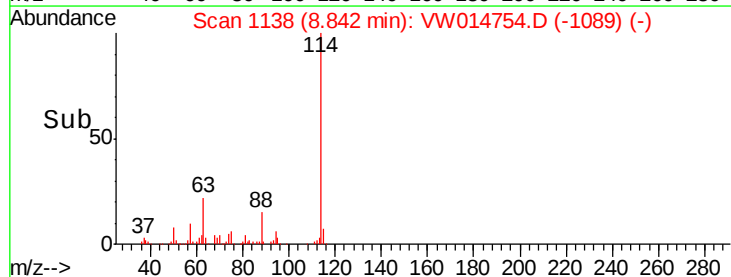
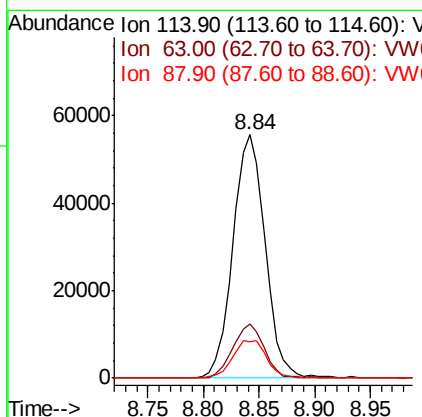
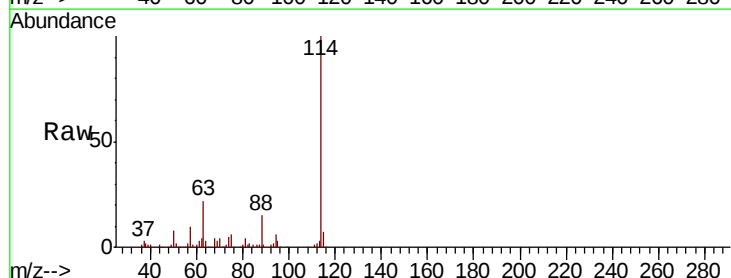
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-7-6

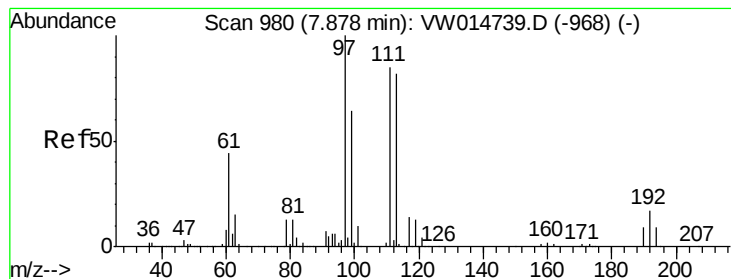
Tot Ion: 65 Resp: 44434
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014754.D
 Acq: 24 Jan 2020 19:35

Tgt Ion: 114 Resp: 111607
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 41.2
 88 14.9 0.0 32.2





#35

Dibromofluoromethane

Concen: 63.574 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW014754.D

Acq: 24 Jan 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

TP-7-6

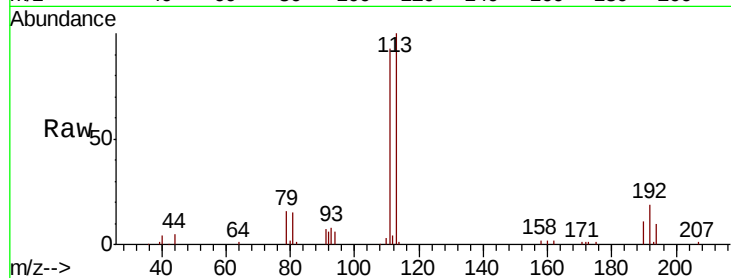
Tot Ion:113 Resp: 41302

Ion Ratio Lower Upper

113 100

111 100.4 82.2 123.2

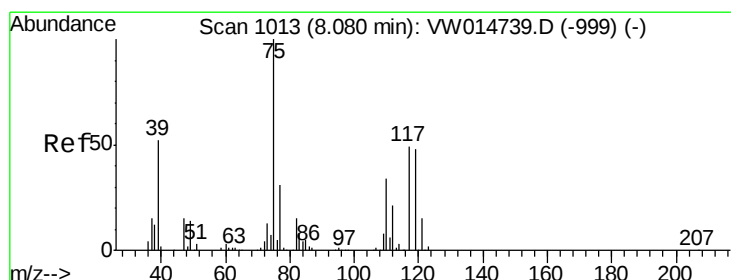
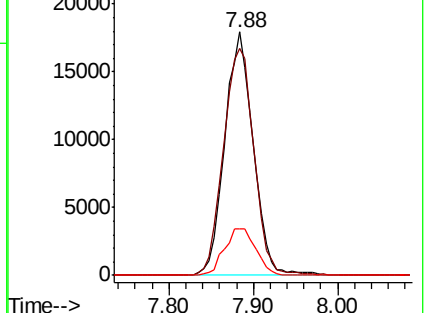
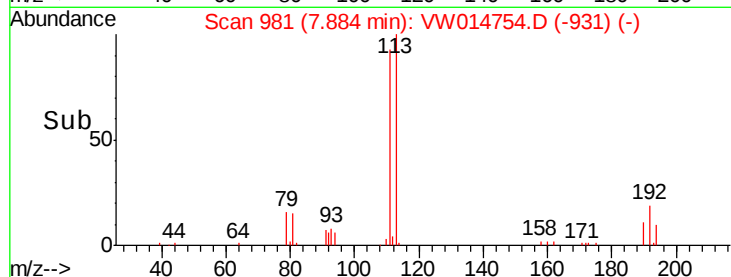
192 21.0 17.0 25.6



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: 5.449 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW014754.D

Acq: 24 Jan 2020 19:35

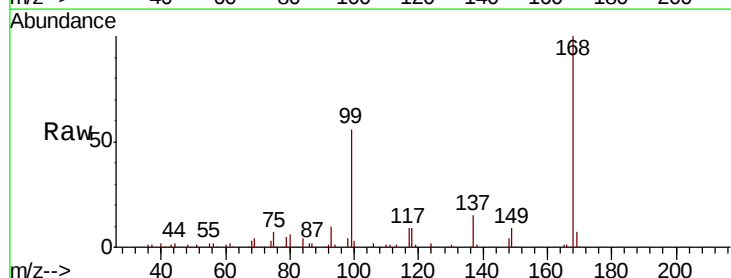
Tgt Ion: 75 Resp: 6167

Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.2#

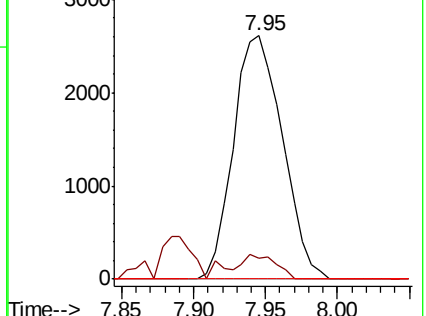
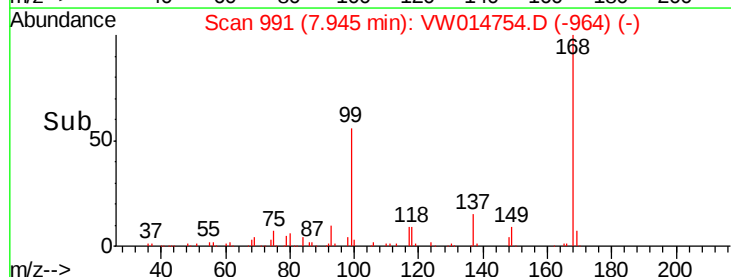
77 0.0 24.8 37.2#

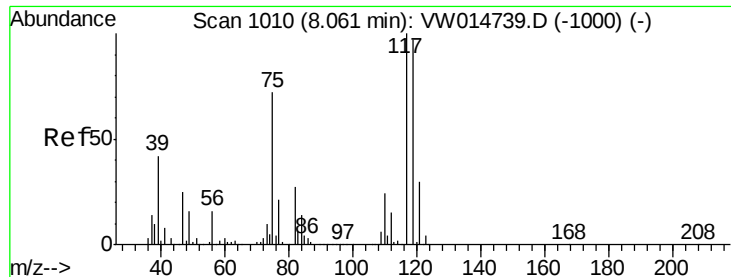


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.916 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.11 min

Lab File: VW014754.D

Acq: 24 Jan 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

TP-7-6

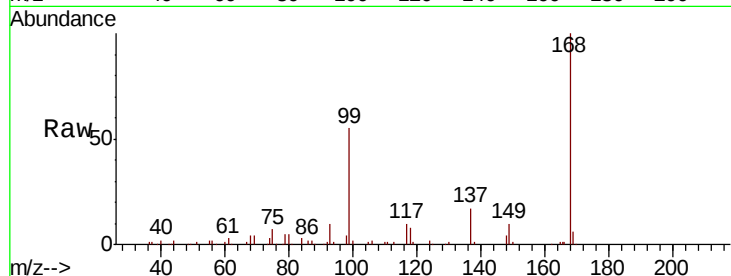
Tot Ion:117 Resp: 7803

Ion Ratio Lower Upper

117 100

119 6.9 77.5 116.3#

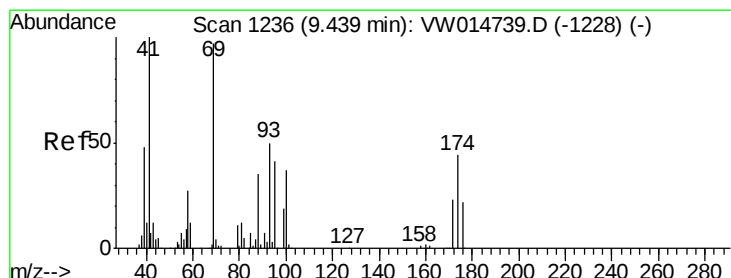
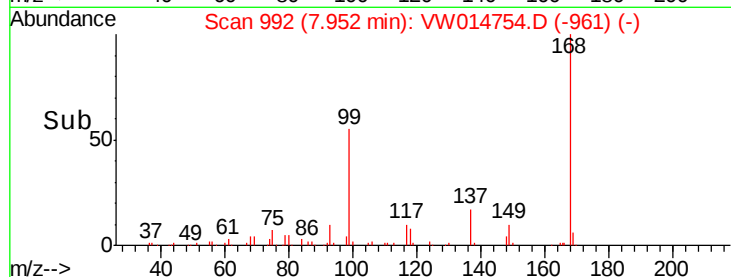
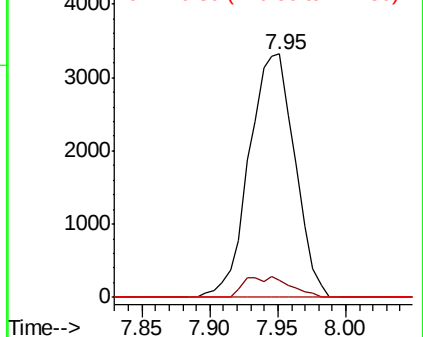
121 0.0 24.3 36.5#



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



#49

1,4-Dioxane

Concen: 7.132 ug/l

RT: 9.41 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VW014754.D

Acq: 24 Jan 2020 19:35

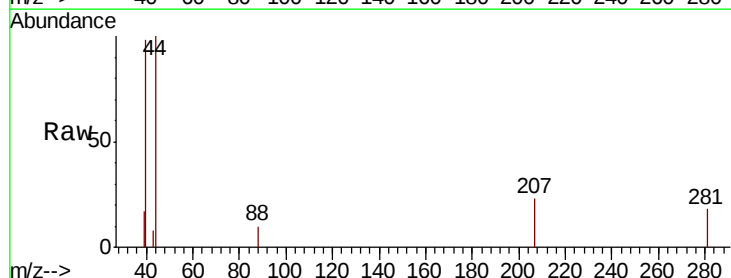
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 154.2 27.1 40.7#

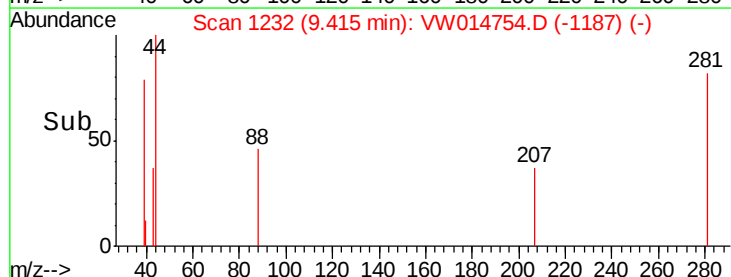
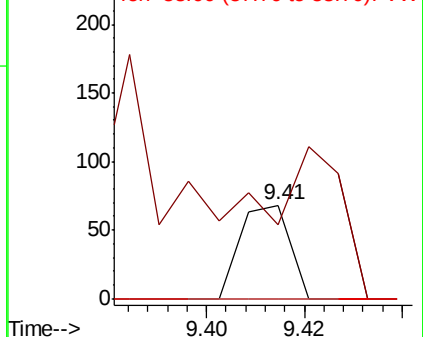
58 0.0 58.7 88.1#

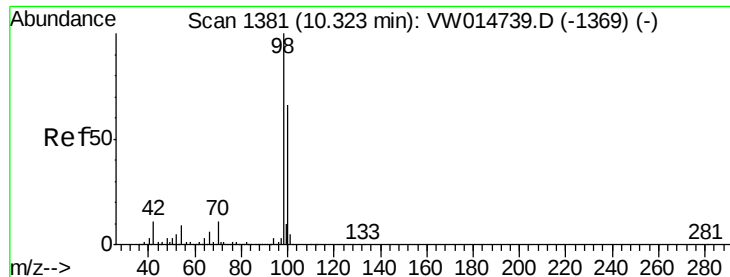


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 48.570 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014754.D

Acq: 24 Jan 2020 19:35

Instrument :

MSVOA_W

ClientSampled :

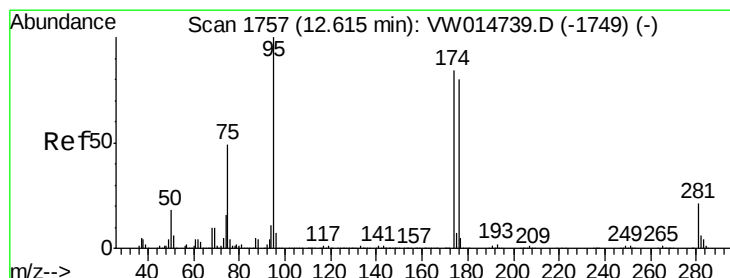
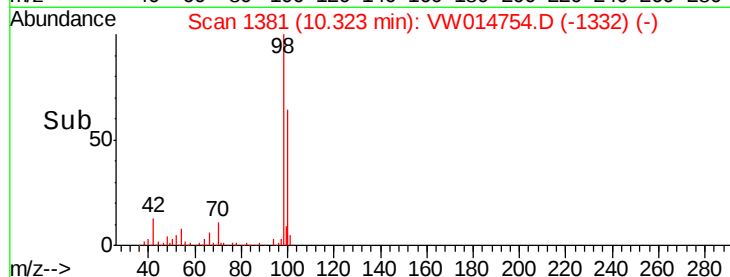
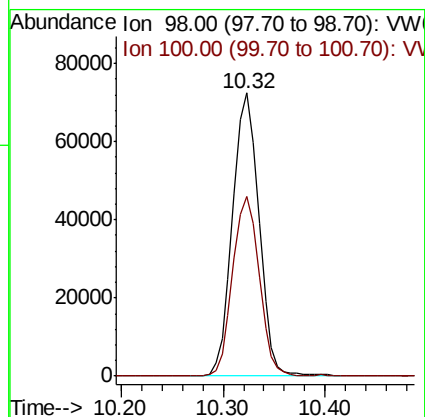
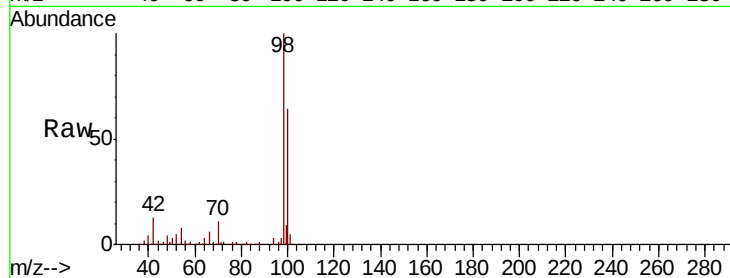
TP-7-6

Tot Ion: 98 Resp: 130110

Ion Ratio Lower Upper

98 100

100 63.8 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 29.080 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014754.D

Acq: 24 Jan 2020 19:35

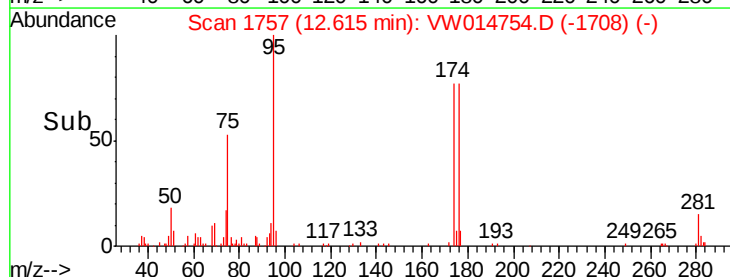
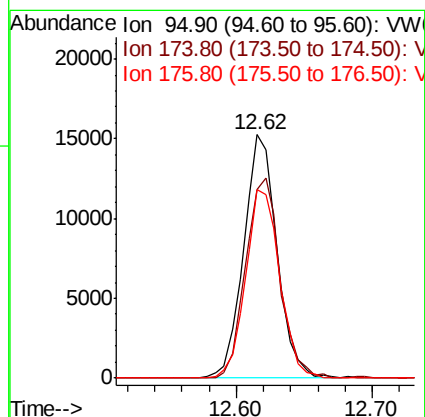
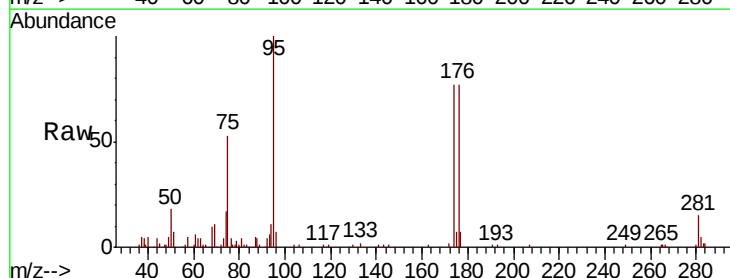
Tgt Ion: 95 Resp: 26046

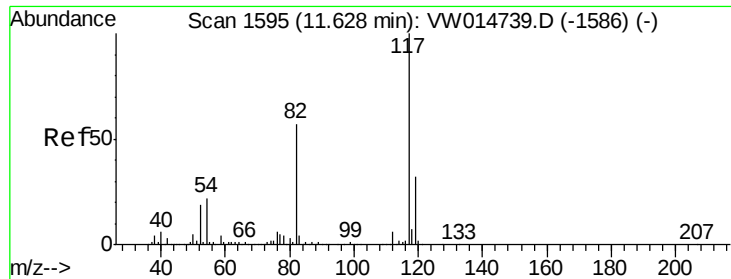
Ion Ratio Lower Upper

95 100

174 84.8 0.0 163.0

176 79.5 0.0 159.2

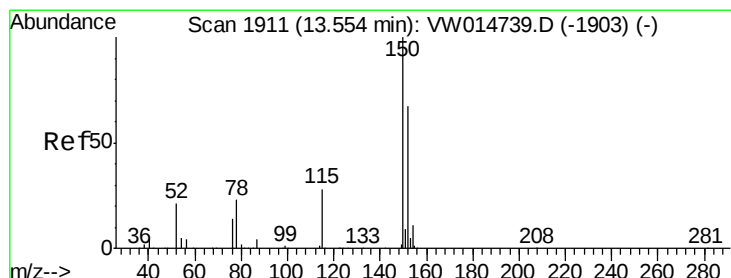
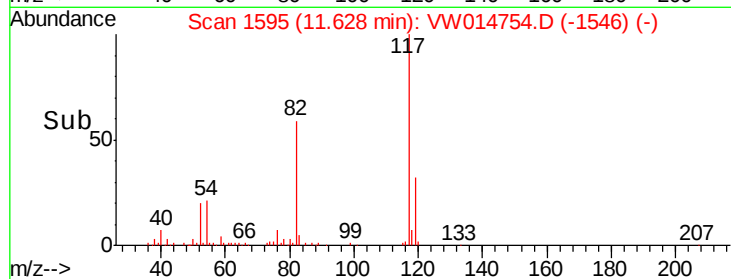
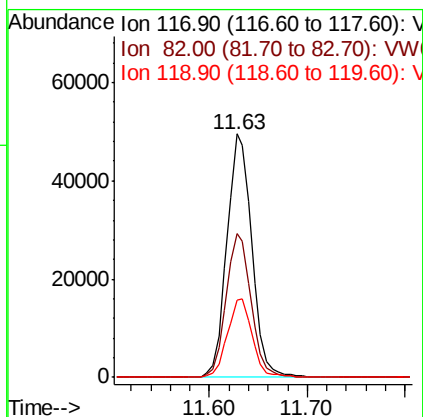
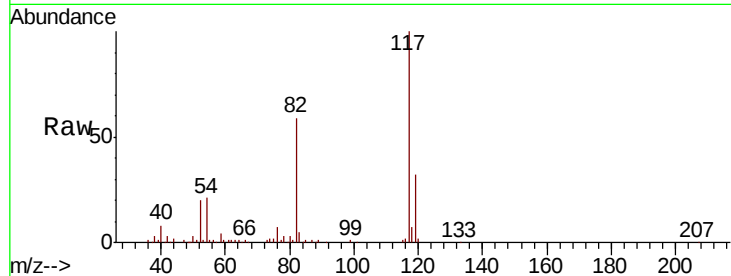




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014754.D
Acq: 24 Jan 2020 19:35

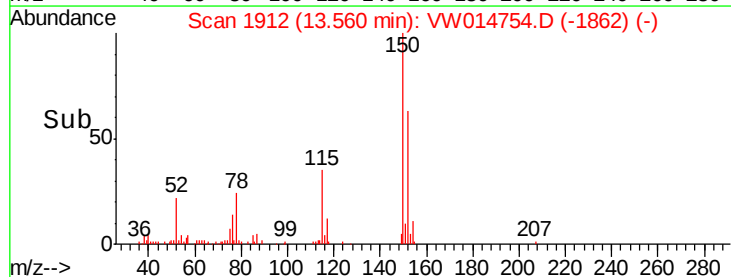
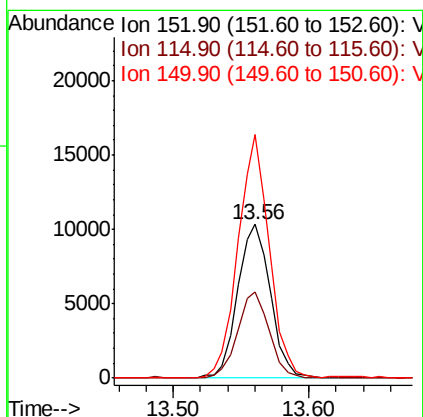
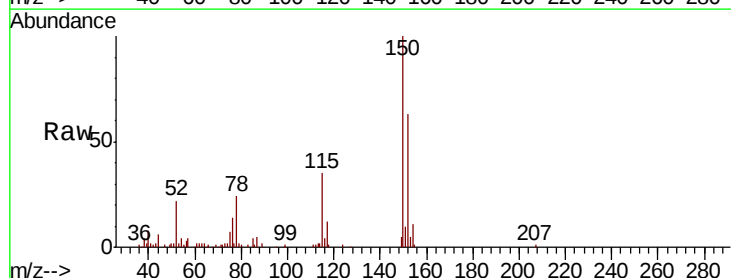
Instrument :
MSVOA_W
ClientSampleId :
TP-7-6

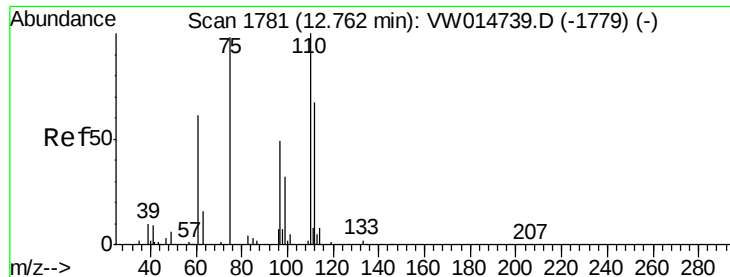
Tot Ion:117 Resp: 87630
Ion Ratio Lower Upper
117 100
82 59.1 45.9 68.9
119 31.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW014754.D
Acq: 24 Jan 2020 19:35

Tgt Ion:152 Resp: 17395
Ion Ratio Lower Upper
152 100
115 53.6 29.0 87.1
150 150.5 0.0 354.0





#76

1,2,3-Trichloropropane

Concen: 74.705 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014754.D

Acq: 24 Jan 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

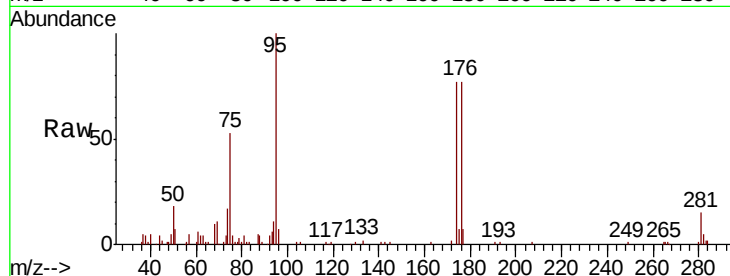
TP-7-6

Tot Ion: 75 Resp: 12902

Ion Ratio Lower Upper

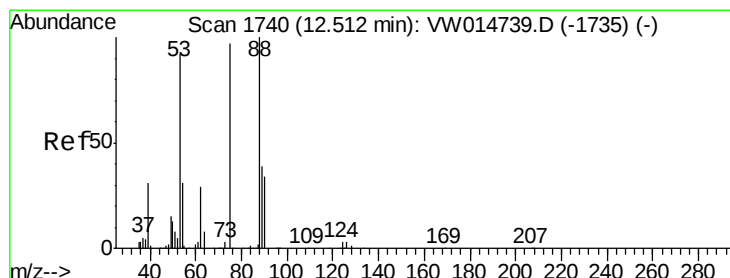
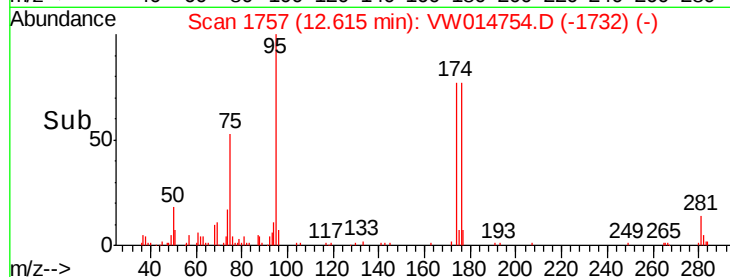
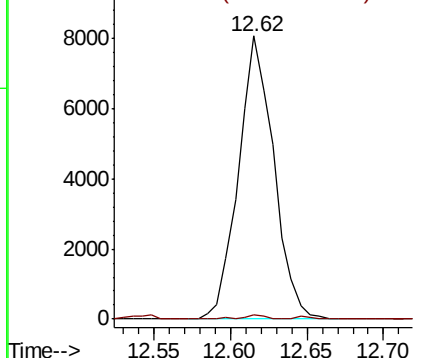
75 100

77 1.0 167.9 503.9#



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: 176.804 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014754.D

Acq: 24 Jan 2020 19:35

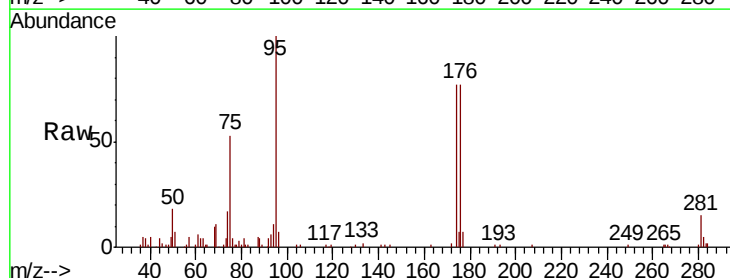
Tgt Ion: 75 Resp: 12902

Ion Ratio Lower Upper

75 100

53 0.2 77.0 115.4#

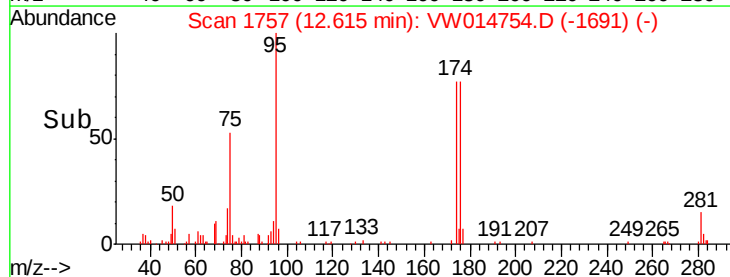
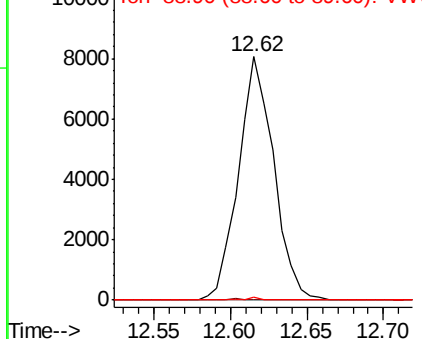
89 0.3 35.2 52.8#

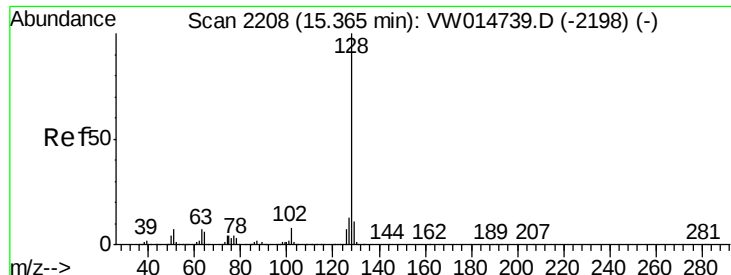


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 2.015 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW014754.D

Acq: 24 Jan 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

TP-7-6

Tot Ion:128 Resp: 619

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 6.6 8.8 13.2#

