

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011541.D
 Acq On : 27 Jul 2019 02:10
 Operator : SY/VA
 Sample : K3990-07
 Misc : 4.42G/5.0ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5-A

Quant Time: Jul 27 05:36:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	269118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	449639	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	394990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	151139	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	177757	57.52	ug/l	0.00
Spiked Amount			Recovery	=	115.04%	
35) Dibromofluoromethane	7.88	113	136357	54.06	ug/l	0.00
Spiked Amount			Recovery	=	108.12%	
50) Toluene-d8	10.32	98	576209	55.79	ug/l	0.00
Spiked Amount			Recovery	=	111.58%	
62) 4-Bromofluorobenzene	12.62	95	184443	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	

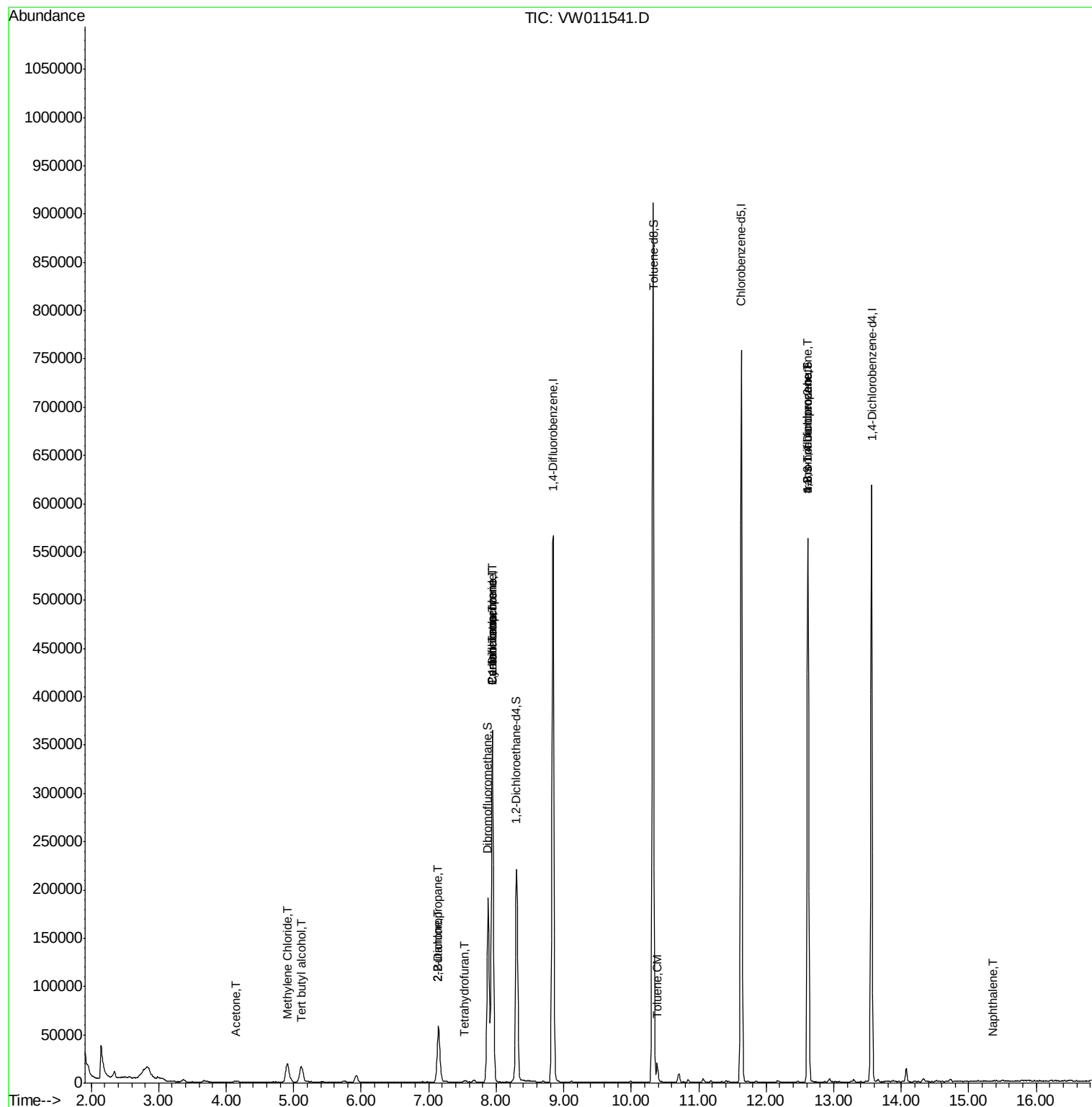
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	16616	59.254	ug/l #	74
16) Acetone	4.14	43	2901	2.951	ug/l	99
20) Methylene Chloride	4.91	84	13870	4.091	ug/l	92
25) 2-Butanone	7.14	43	3964	3.082	ug/l #	84
26) 2,2-Dichloropropane	7.14	77	3920	1.059	ug/l #	54
29) Tetrahydrofuran	7.54	42	1461	1.987	ug/l #	87
31) Cyclohexane	7.94	56	6565	1.136	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	23618	5.052	ug/l #	52
38) Carbon Tetrachloride	7.95	117	27130	6.778	ug/l #	17
52) Toluene	10.38	92	8067	1.020	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	97902	61.218	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	97902	141.087	ug/l #	6
95) Naphthalene	15.36	128	427	2.135	ug/l #	69

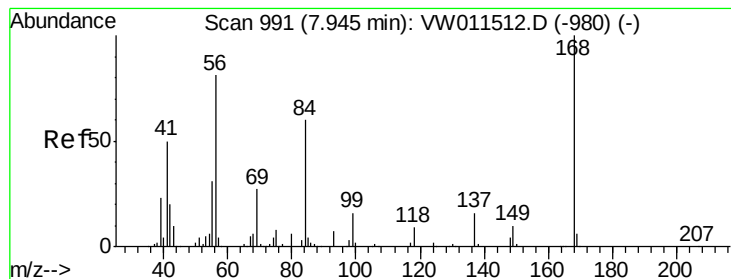
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011541.D

Acq: 27 Jul 2019 02:10

Instrument :

MSVOA_W

ClientSampleId :

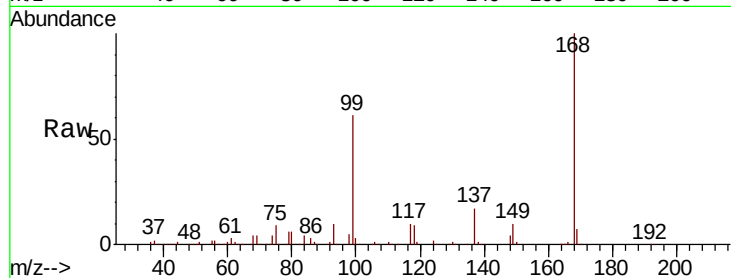
TP-5-A

Tot Ion:168 Resp: 269118

Ion Ratio Lower Upper

168 100

99 61.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

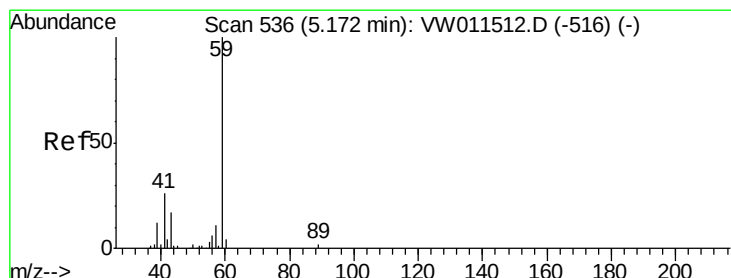
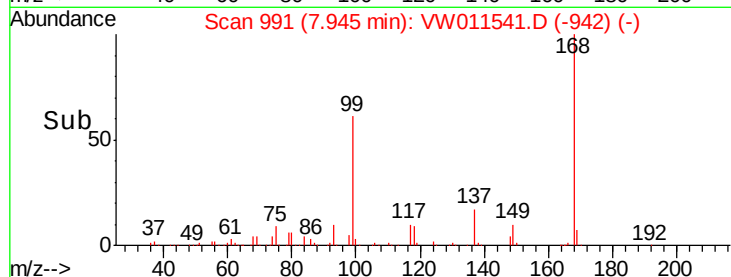
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 59.254 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.06 min

Lab File: VW011541.D

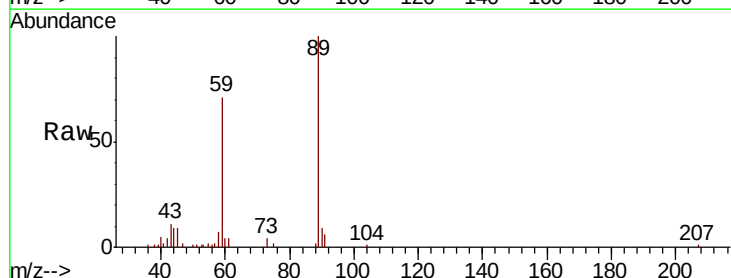
Acq: 27 Jul 2019 02:10

Tgt Ion: 59 Resp: 16616

Ion Ratio Lower Upper

59 100

57 0.8 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

5000

4000

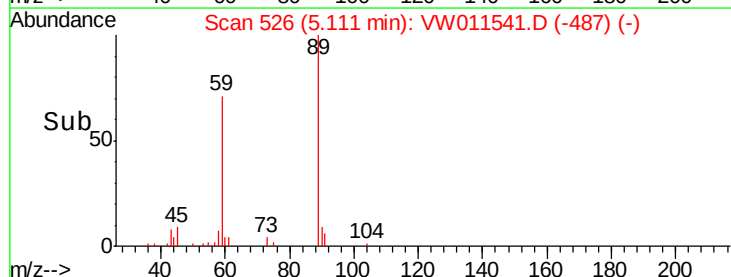
3000

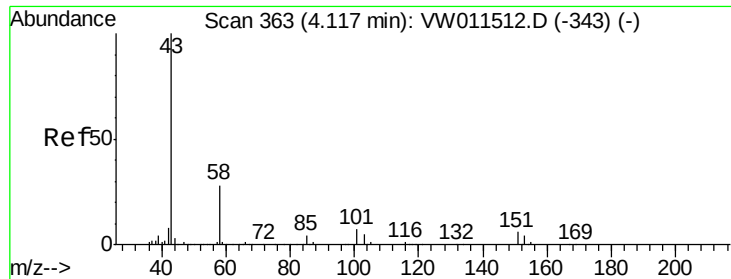
2000

1000

0

Time--> 5.00 5.10 5.20

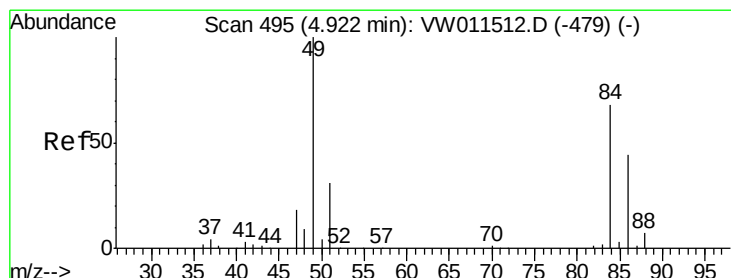
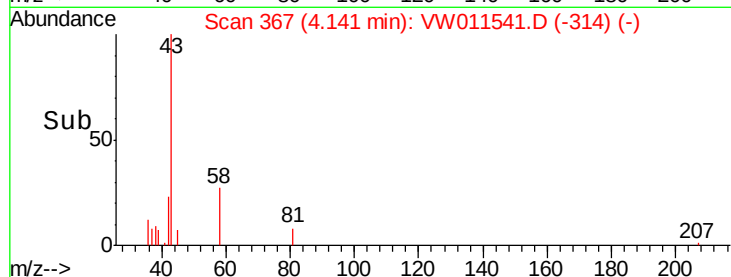
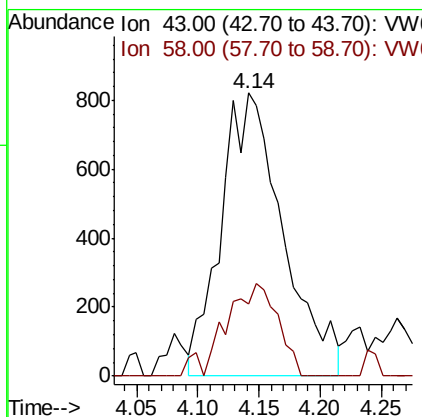
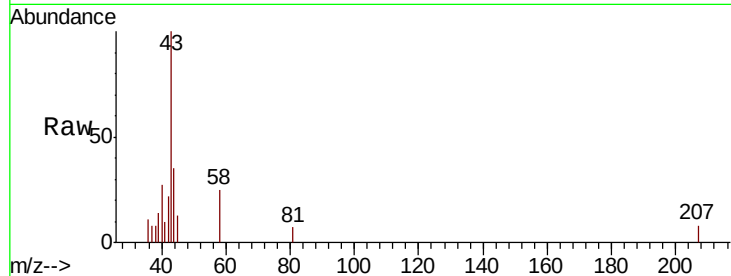




#16
Acetone
Concen: 2.951 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW011541.D
Acq: 27 Jul 2019 02:10

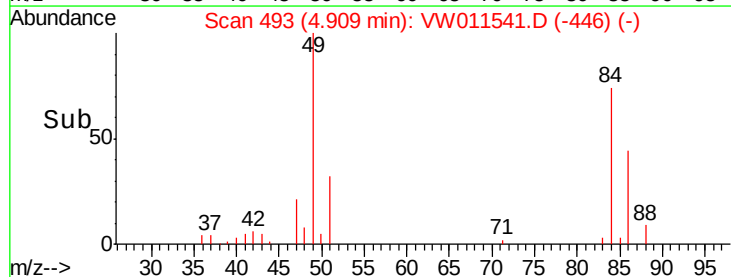
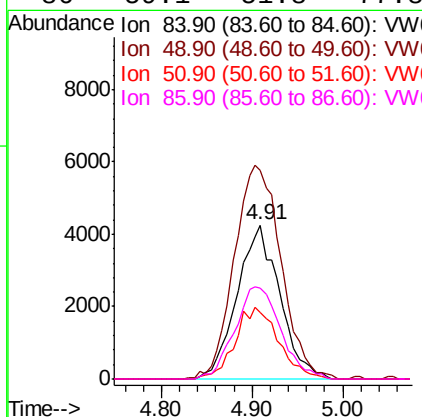
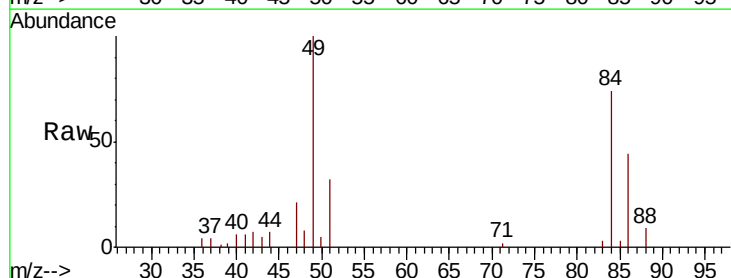
Instrument :
MSVOA_W
ClientSampleId :
TP-5-A

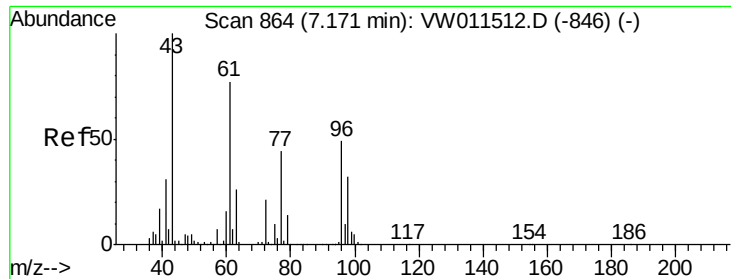
Tot Ion: 43 Resp: 2901
Ion Ratio Lower Upper
43 100
58 27.5 22.3 33.5



#20
Methylene Chloride
Concen: 4.091 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011541.D
Acq: 27 Jul 2019 02:10

Tgt Ion: 84 Resp: 13870
Ion Ratio Lower Upper
84 100
49 135.7 117.8 176.6
51 43.6 37.0 55.4
86 59.1 51.8 77.8





#25

2-Butanone

Concen: 3.082 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW011541.D

Acq: 27 Jul 2019 02:10

Instrument :

MSVOA_W

ClientSampled :

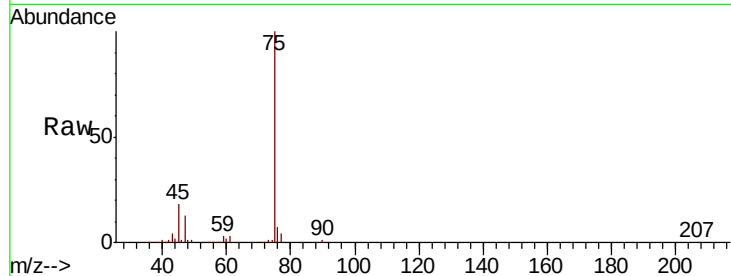
TP-5-A

Tot Ion: 43 Resp: 3964

Ion Ratio Lower Upper

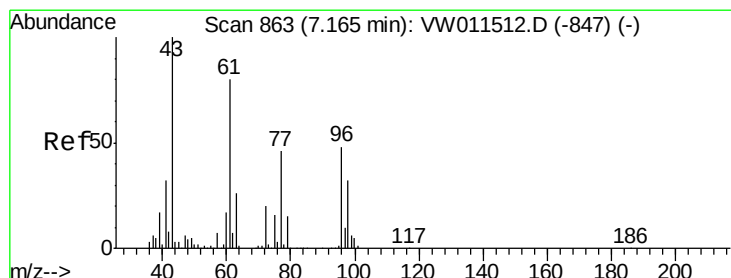
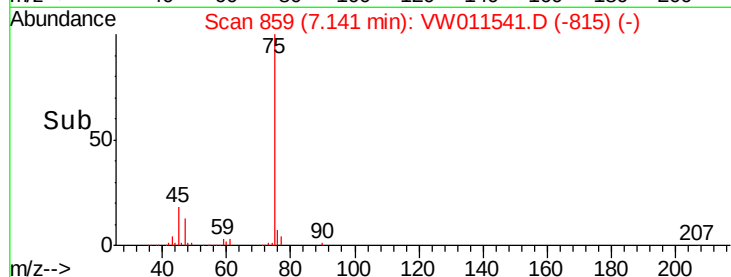
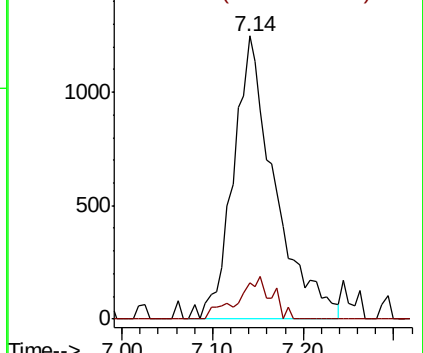
43 100

72 13.1 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.059 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011541.D

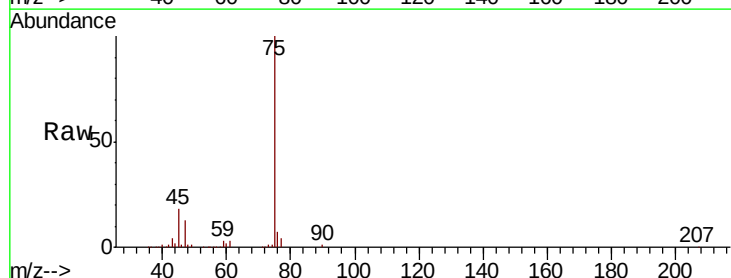
Acq: 27 Jul 2019 02:10

Tgt Ion: 77 Resp: 3920

Ion Ratio Lower Upper

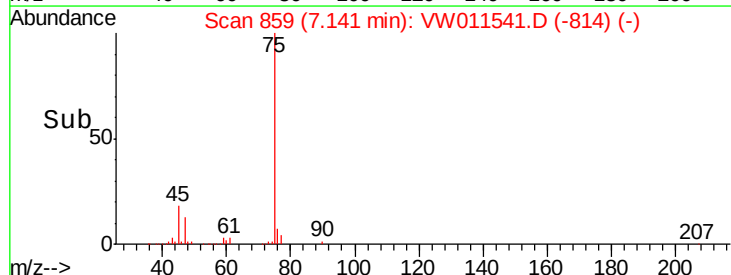
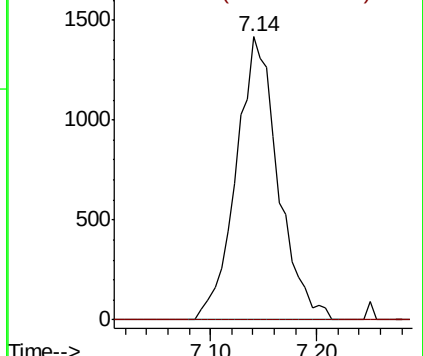
77 100

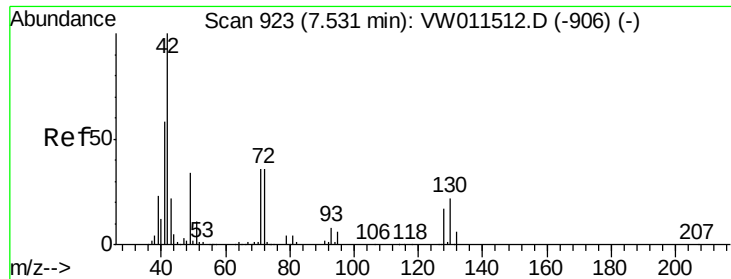
97 0.0 10.8 32.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

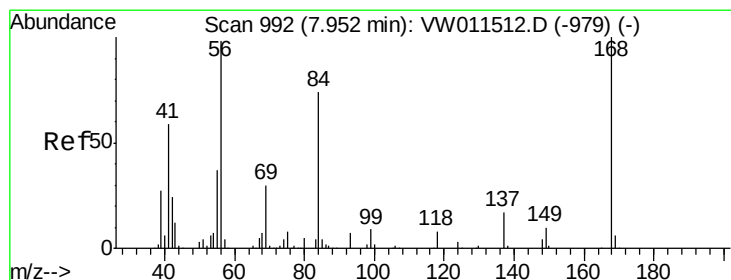
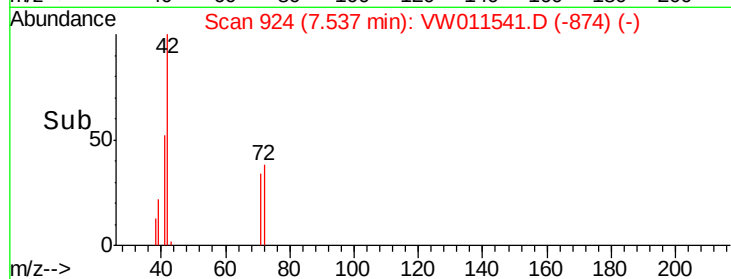
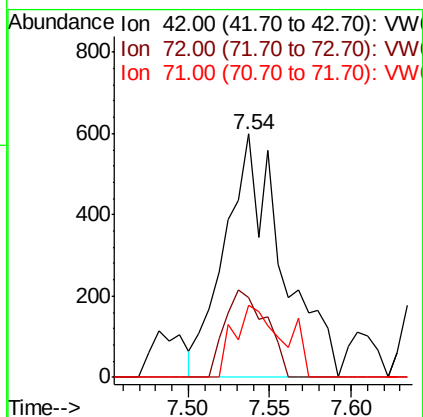
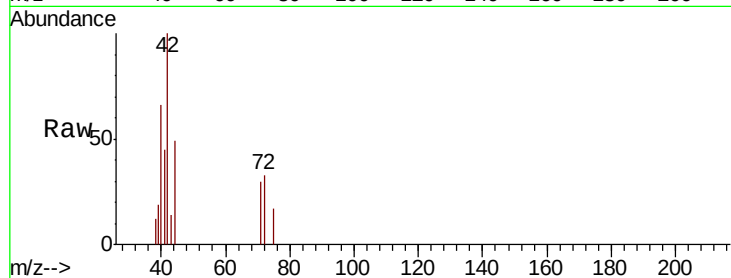




#29
Tetrahydrofuran
Concen: 1.987 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW011541.D
Acq: 27 Jul 2019 02:10

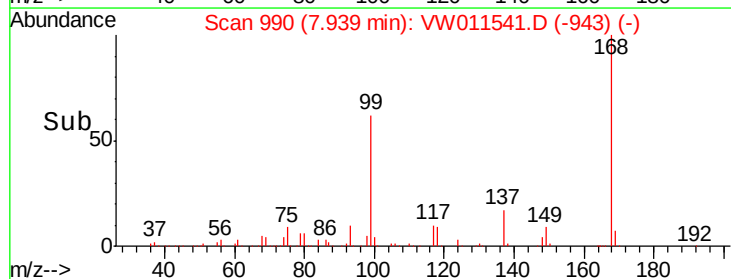
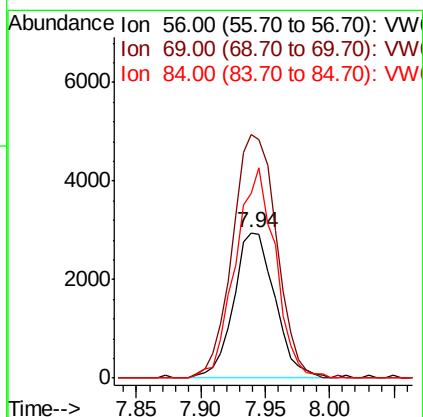
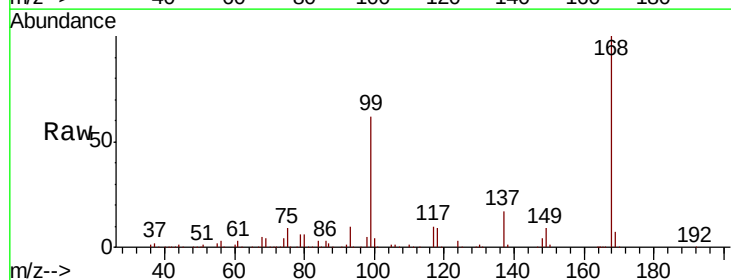
Instrument :
MSVOA_W
ClientSampleId :
TP-5-A

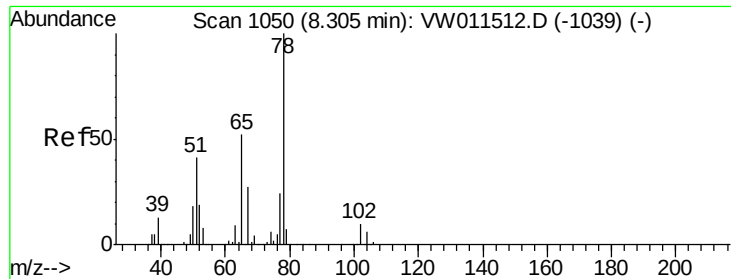
Tot Ion: 42 Resp: 1461
Ion Ratio Lower Upper
42 100
72 26.3 27.1 40.7#
71 25.2 26.2 39.4#



#31
Cyclohexane
Concen: 1.136 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011541.D
Acq: 27 Jul 2019 02:10

Tgt Ion: 56 Resp: 6565
Ion Ratio Lower Upper
56 100
69 167.8 24.3 36.5#
84 131.0 60.4 90.6#

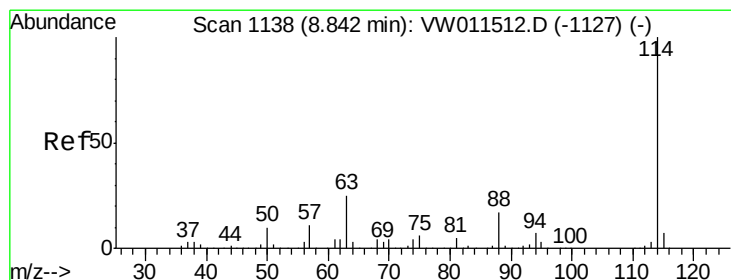
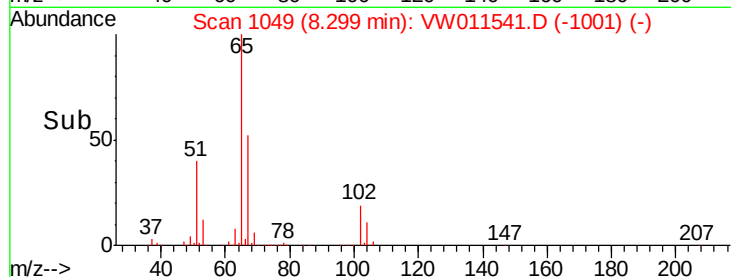
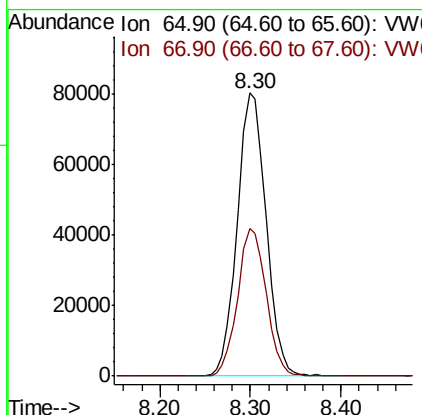
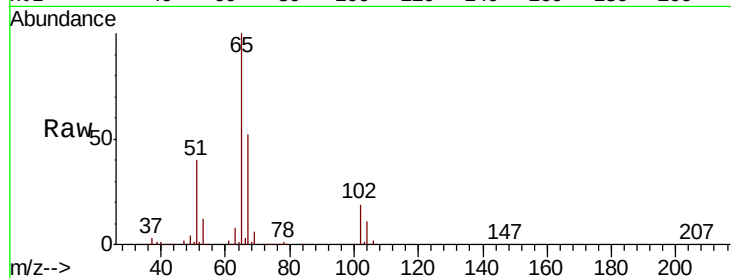




#33
 1,2-Dichloroethane-d4
 Concen: 57.522 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011541.D
 Acq: 27 Jul 2019 02:10

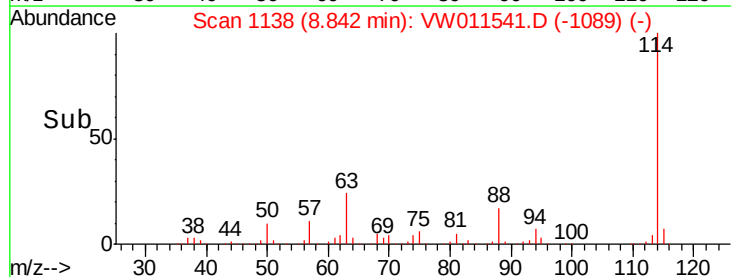
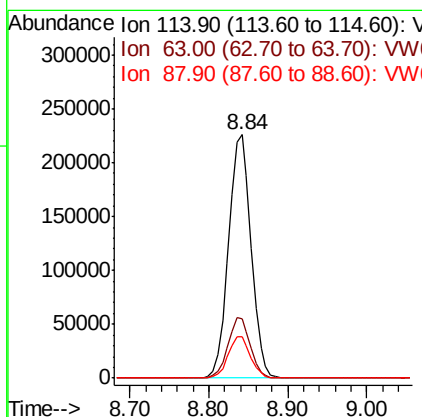
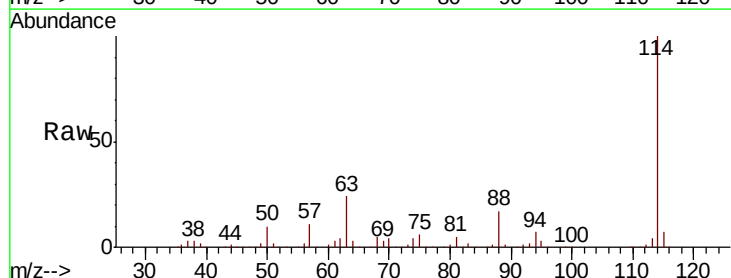
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5-A

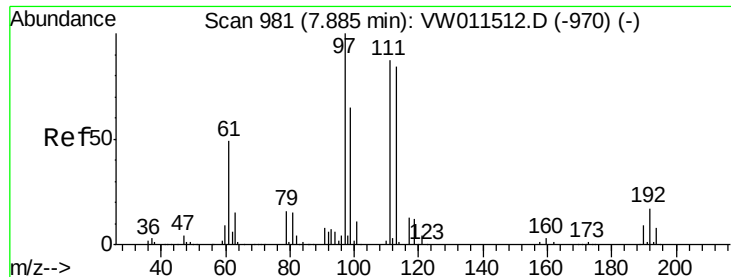
Tot Ion: 65 Resp: 177757
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011541.D
 Acq: 27 Jul 2019 02:10

Tgt Ion: 114 Resp: 449639
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 49.2
 88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.055 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011541.D

Acq: 27 Jul 2019 02:10

Instrument :

MSVOA_W

ClientSampleId :

TP-5-A

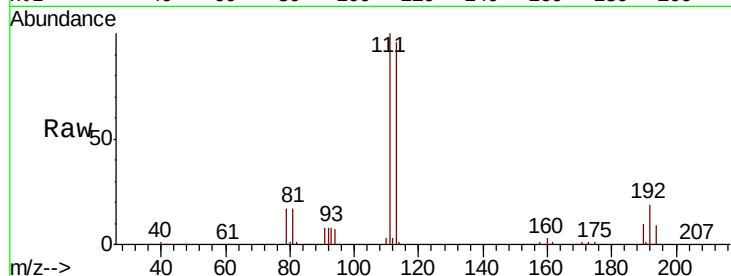
Tot Ion:113 Resp: 136357

Ion Ratio Lower Upper

113 100

111 103.3 82.7 124.1

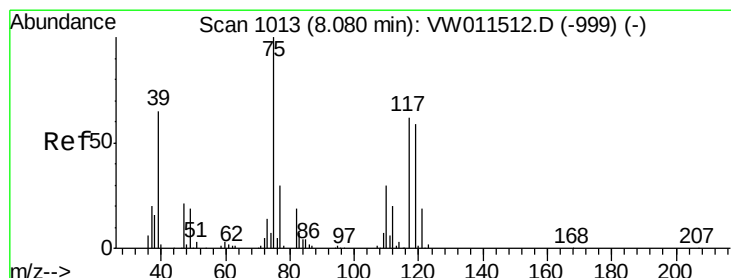
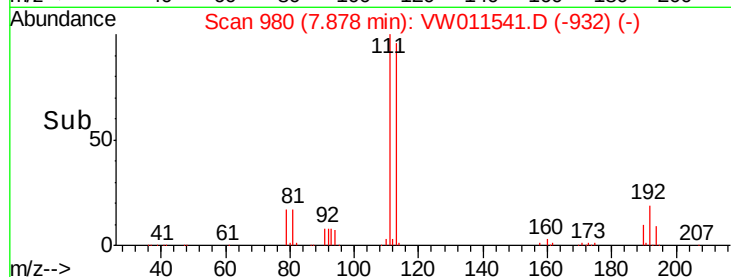
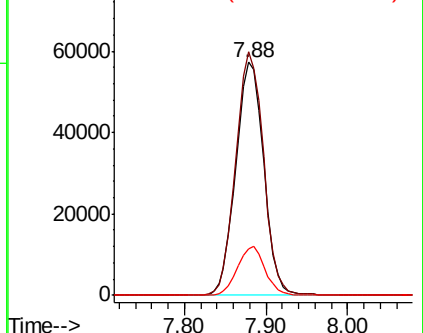
192 20.6 16.1 24.1



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: 5.052 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011541.D

Acq: 27 Jul 2019 02:10

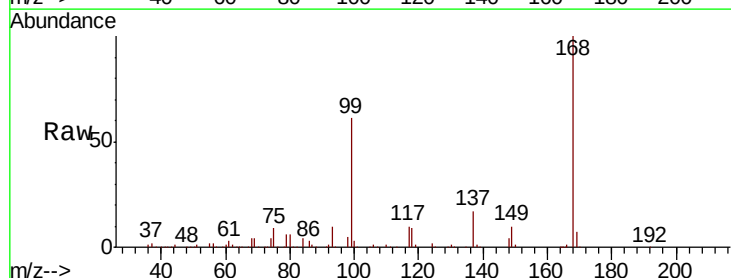
Tgt Ion: 75 Resp: 23618

Ion Ratio Lower Upper

75 100

110 8.7 15.6 46.8#

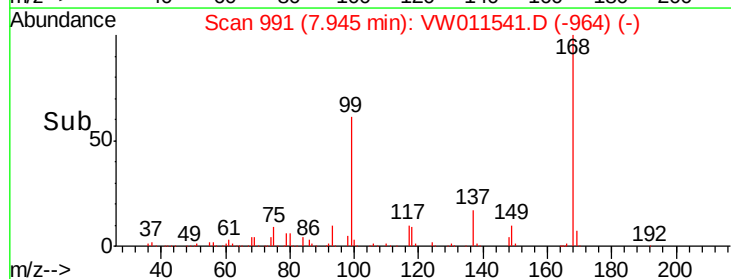
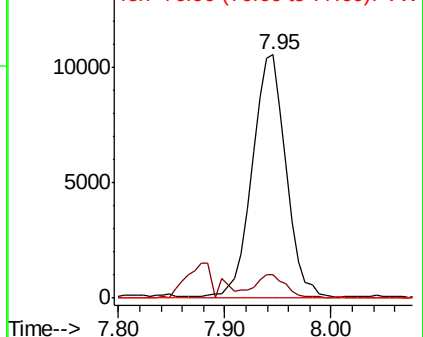
77 0.0 24.3 36.5#

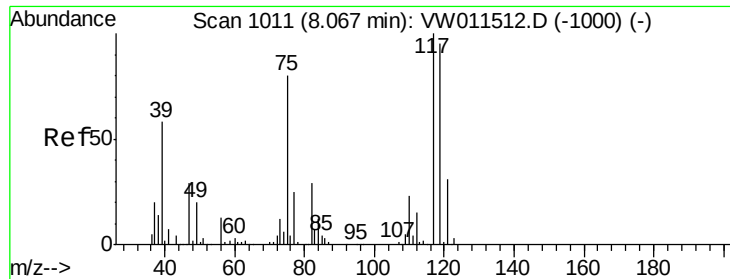


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.778 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011541.D

Acq: 27 Jul 2019 02:10

Instrument :

MSVOA_W

ClientSampleId :

TP-5-A

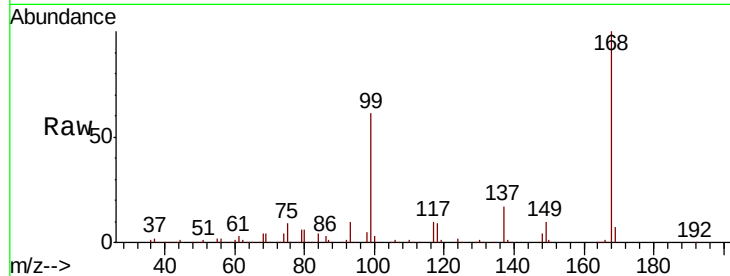
Tot Ion:117 Resp: 27130

Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.6#

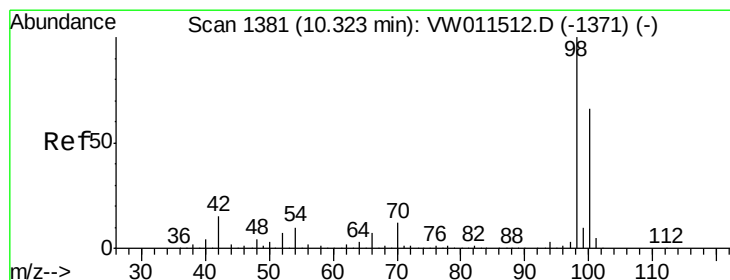
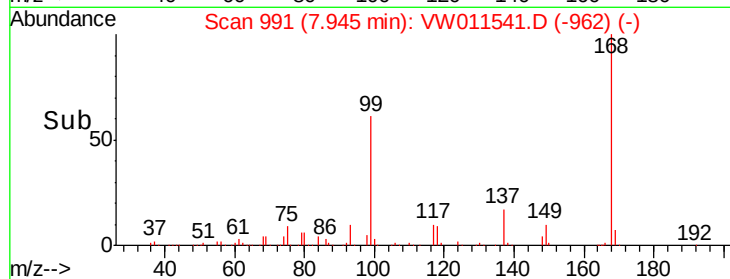
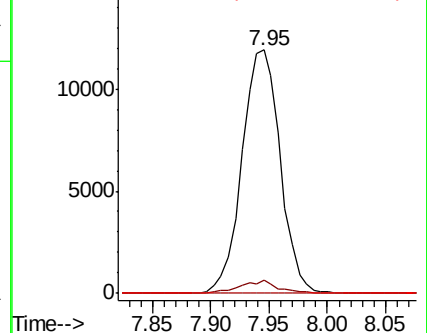
121 0.0 24.7 37.1#



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: 55.791 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011541.D

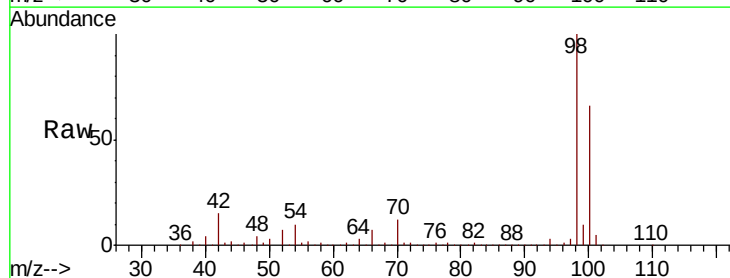
Acq: 27 Jul 2019 02:10

Tgt Ion: 98 Resp: 576209

Ion Ratio Lower Upper

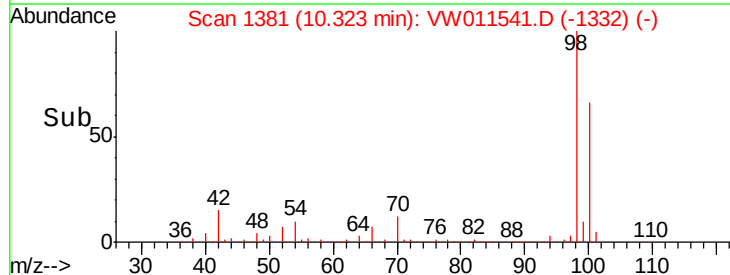
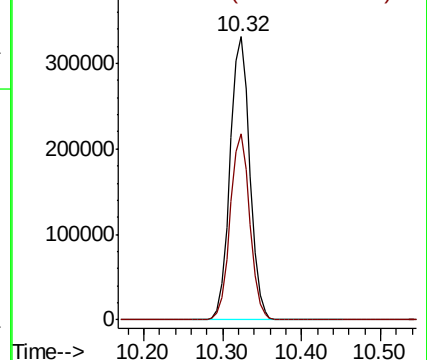
98 100

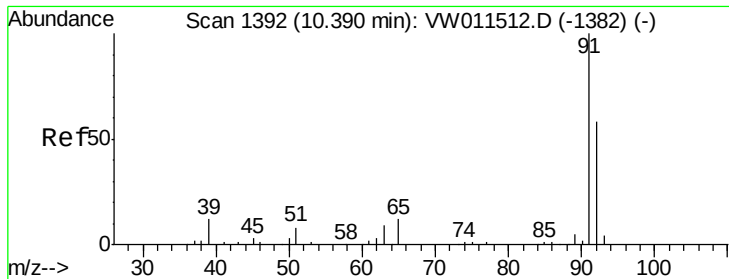
100 65.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.020 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011541.D

Acq: 27 Jul 2019 02:10

Instrument :

MSVOA_W

ClientSampleId :

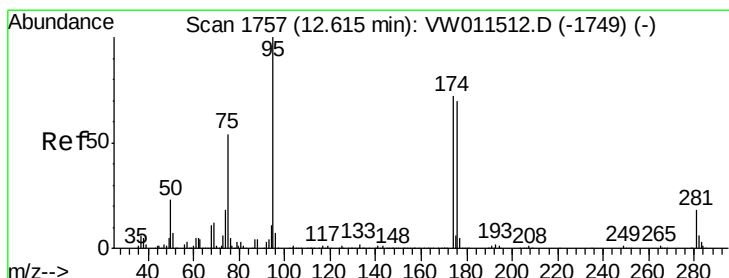
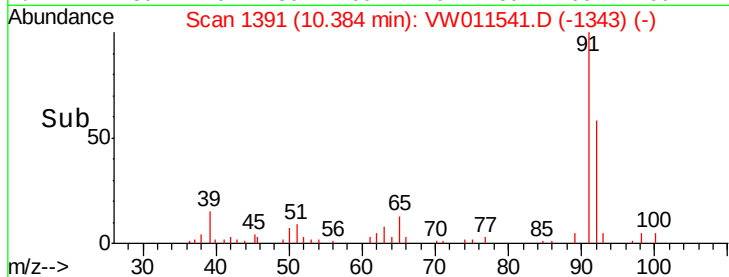
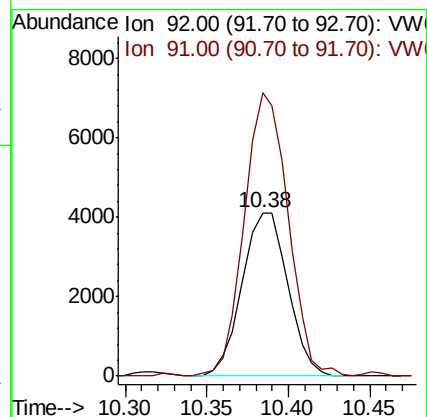
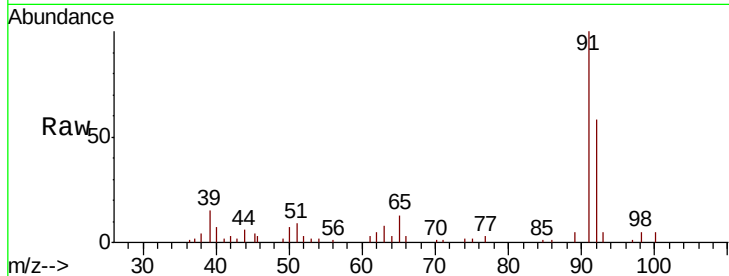
TP-5-A

Tot Ion: 92 Resp: 8067

Ion Ratio Lower Upper

92 100

91 165.5 136.7 205.1



#62

4-Bromofluorobenzene

Concen: 50.091 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011541.D

Acq: 27 Jul 2019 02:10

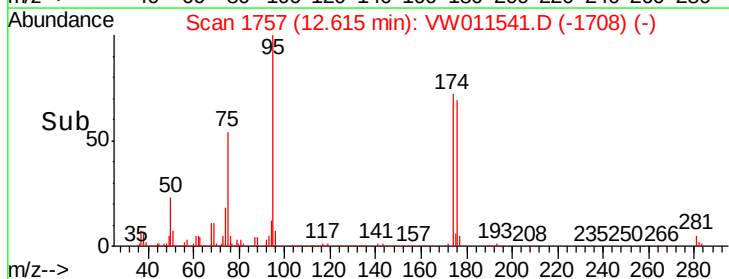
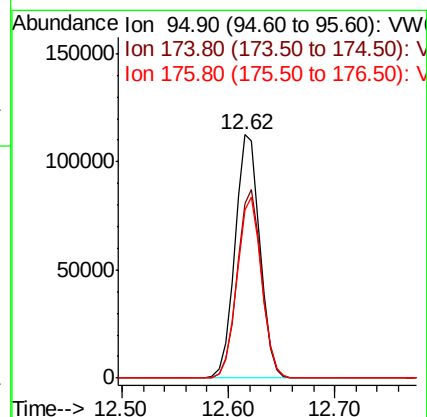
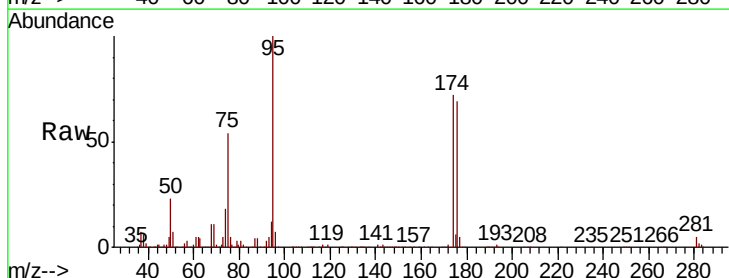
Tgt Ion: 95 Resp: 184443

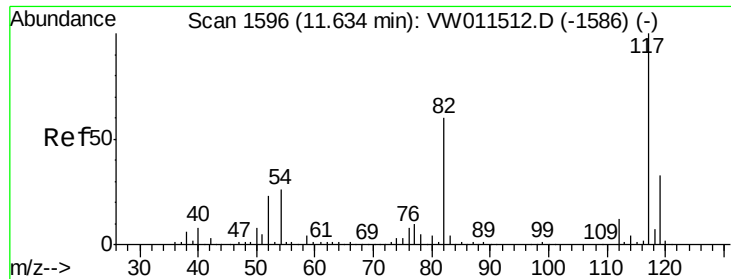
Ion Ratio Lower Upper

95 100

174 75.9 0.0 150.2

176 73.6 0.0 144.4

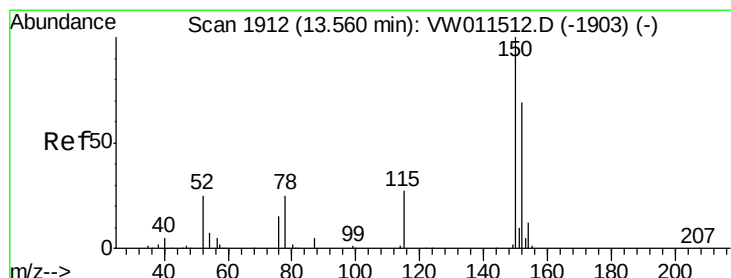
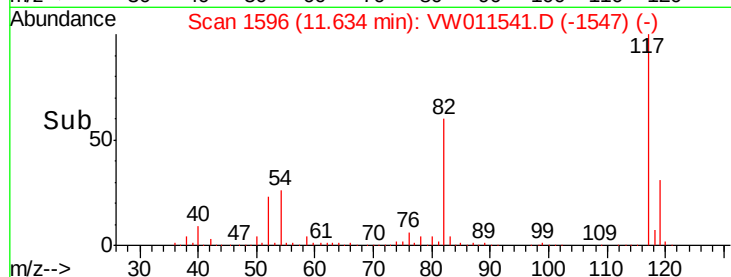
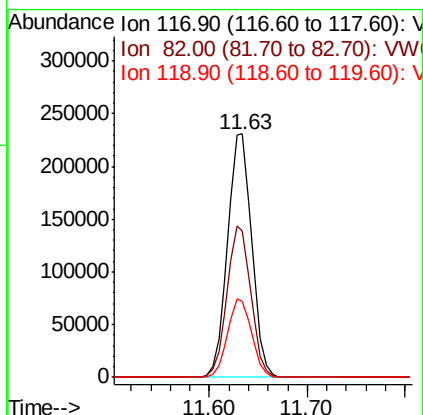
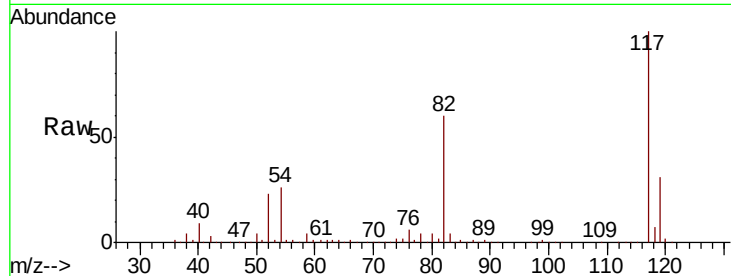




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011541.D
Acq: 27 Jul 2019 02:10

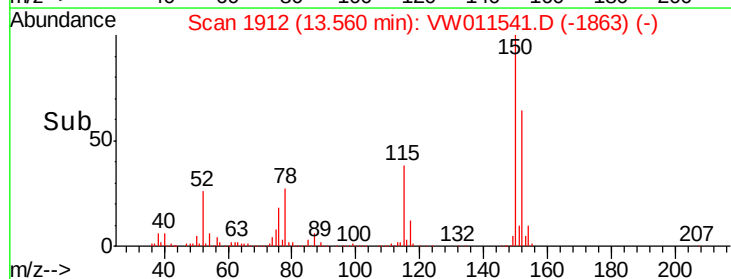
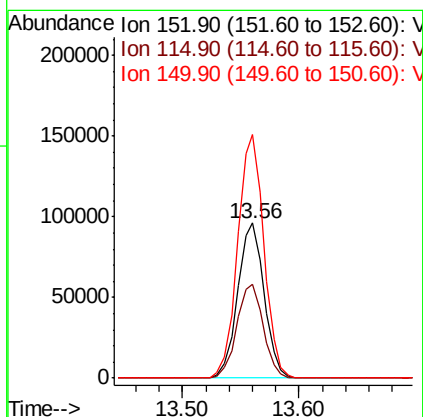
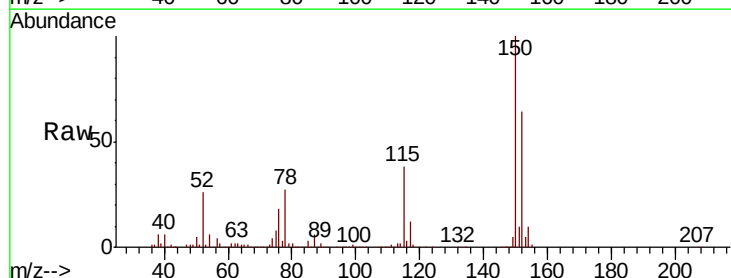
Instrument :
MSVOA_W
ClientSampleId :
TP-5-A

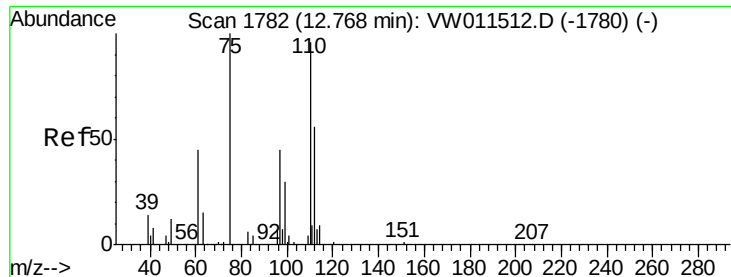
Tot Ion:117 Resp: 394990
Ion Ratio Lower Upper
117 100
82 59.9 47.9 71.9
119 31.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011541.D
Acq: 27 Jul 2019 02:10

Tgt Ion:152 Resp: 151139
Ion Ratio Lower Upper
152 100
115 60.6 30.5 91.5
150 156.2 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 61.218 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011541.D

Acq: 27 Jul 2019 02:10

Instrument :

MSVOA_W

ClientSampled :

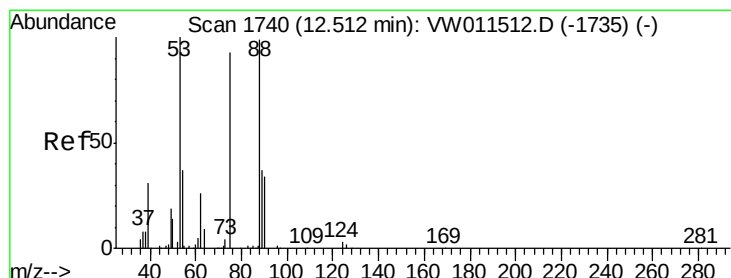
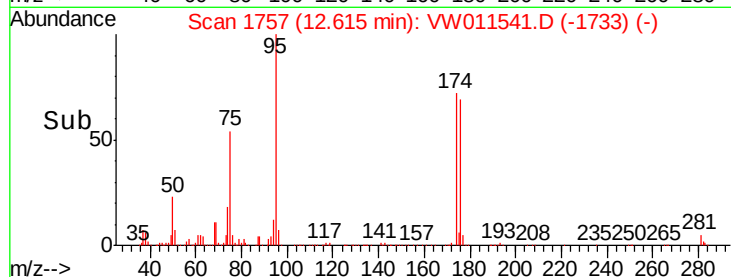
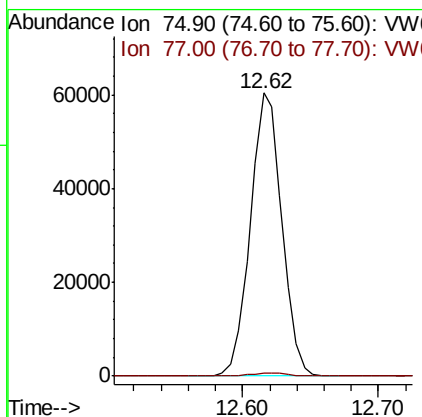
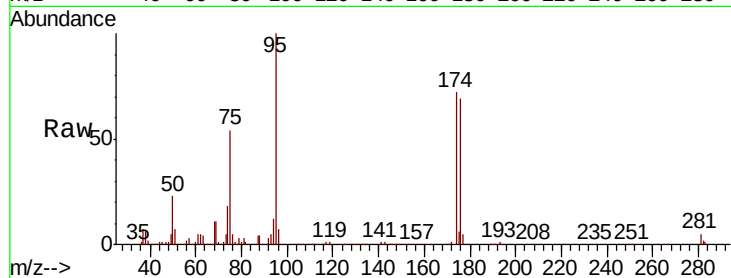
TP-5-A

Tot Ion: 75 Resp: 97902

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 141.087 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011541.D

Acq: 27 Jul 2019 02:10

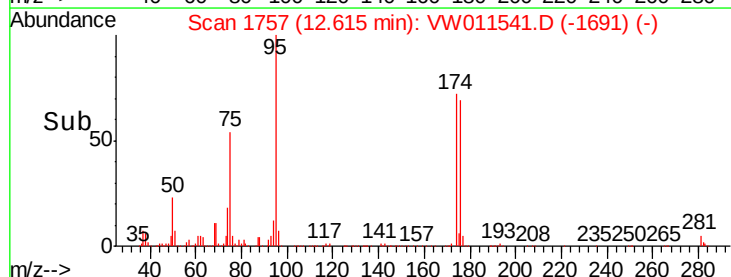
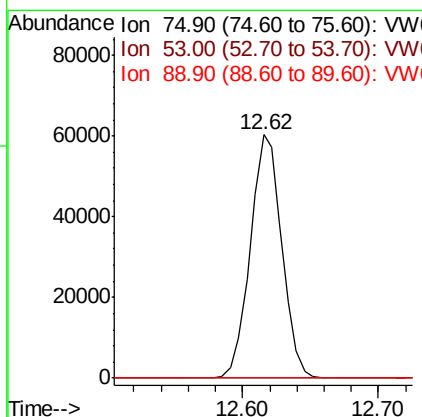
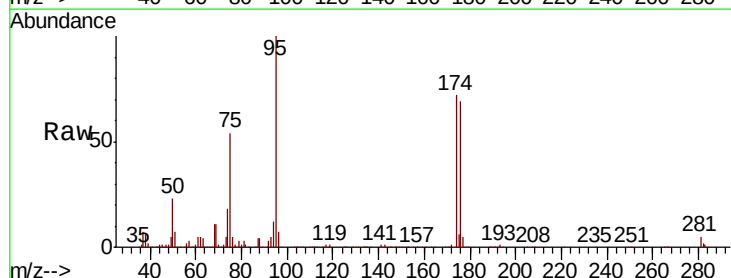
Tgt Ion: 75 Resp: 97902

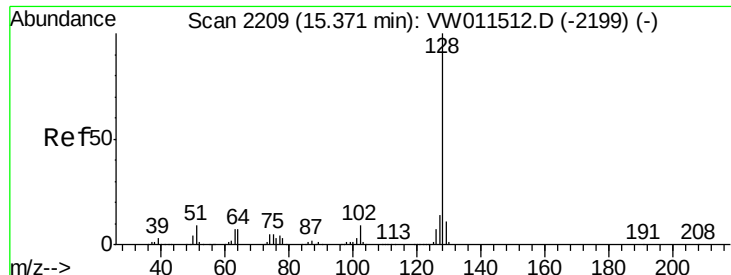
Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.1 35.3 52.9#

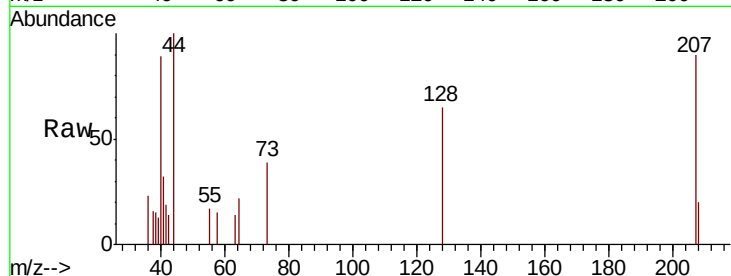




#95
 Naphthalene
 Concen: 2.135 ug/l
 RT: 15.36 min Scan# 2207
 Delta R.T. -0.01 min
 Lab File: VW011541.D
 Acq: 27 Jul 2019 02:10

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5-A

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

