

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041819\
 Data File : VW010043.D
 Acq On : 18 Apr 2019 14:17
 Operator : SY/VA
 Sample : K2411-02
 Misc : 5.94G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-16-S2

Quant Time: Apr 18 14:51:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

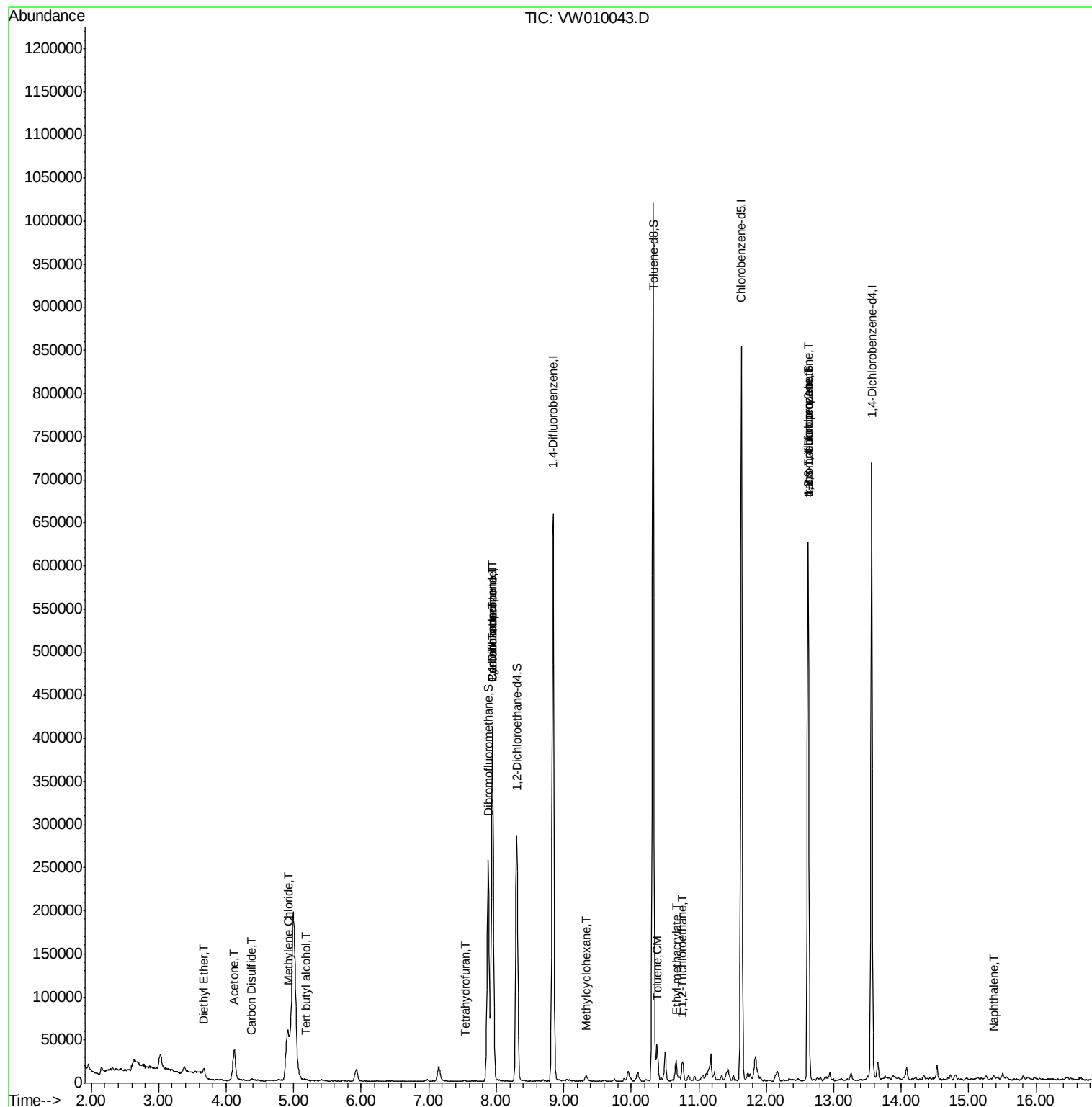
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	282701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	513467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	446717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170831	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	224158	64.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.50%	
35) Dibromofluoromethane	7.88	113	180331	55.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.48%	
50) Toluene-d8	10.32	98	611518	49.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.62	95	191894	43.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.32%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	5217	3.620	ug/l	99
11) Tert butyl alcohol	5.18	59	717	3.608	ug/l #	71
16) Acetone	4.12	43	66203	81.788	ug/l	100
17) Carbon Disulfide	4.37	76	205	1.363	ug/l #	74
20) Methylene Chloride	4.91	84	57480	15.273	ug/l	98
29) Tetrahydrofuran	7.56	42	802	1.190	ug/l #	48
31) Cyclohexane	7.94	56	8010	1.420	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	26814	5.112	ug/l #	49
38) Carbon Tetrachloride	7.95	117	30722	6.002	ug/l #	17
39) Methylcyclohexane	9.34	83	2051	1.511	ug/l #	69
52) Toluene	10.38	92	16108	1.803	ug/l	97
55) 1,1,2-Trichloroethane	10.75	97	7187	2.636	ug/l #	20
56) Ethyl methacrylate	10.67	69	2392	3.240	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	107753	63.022	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	107753	148.604	ug/l #	6
95) Naphthalene	15.37	128	3607	3.166	ug/l #	87

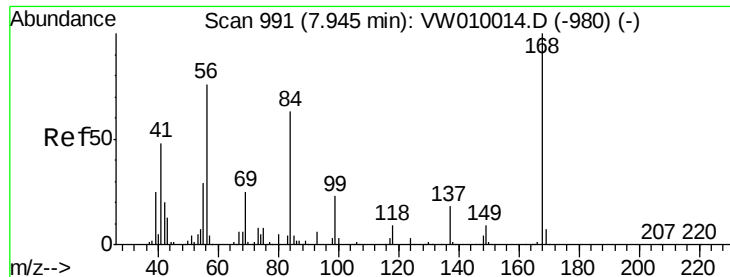
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW041819\
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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: VW010043.D

Acq: 18 Apr 2019 14:17

Instrument :

MSVOA_W

ClientSampled :

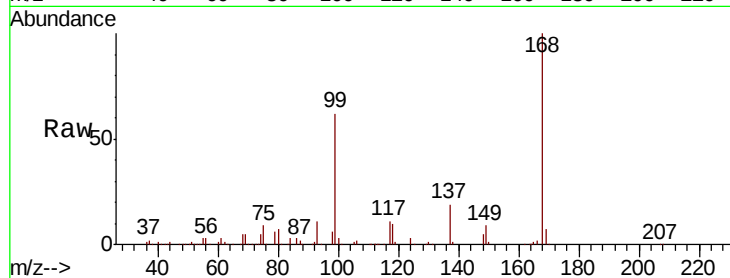
TP-16-S2

Tgt Ion:168 Resp: 282701

Ion Ratio Lower Upper

168 100

99 62.4 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

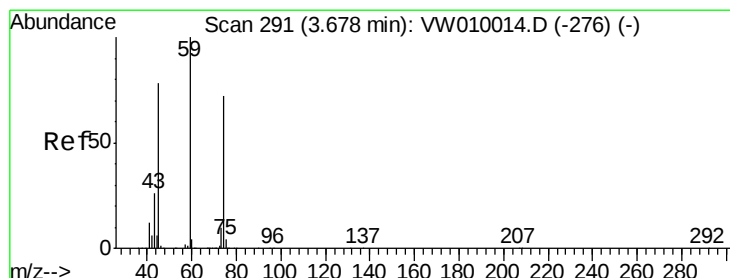
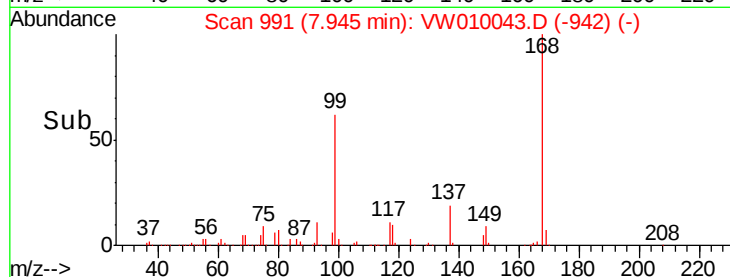
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 3.620 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW010043.D

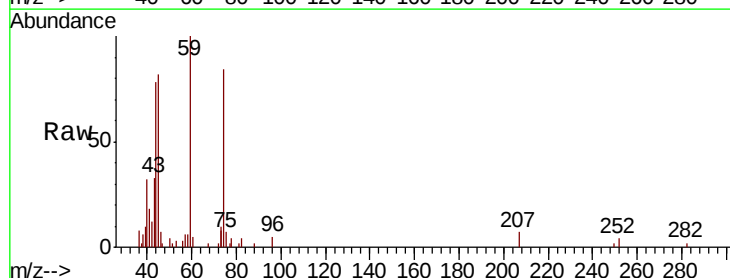
Acq: 18 Apr 2019 14:17

Tgt Ion: 74 Resp: 5217

Ion Ratio Lower Upper

74 100

45 112.9 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

3000

2500

2000

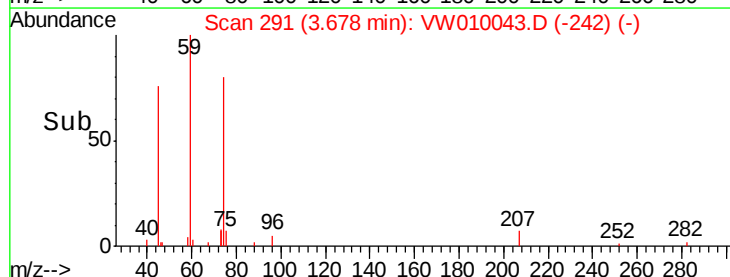
1500

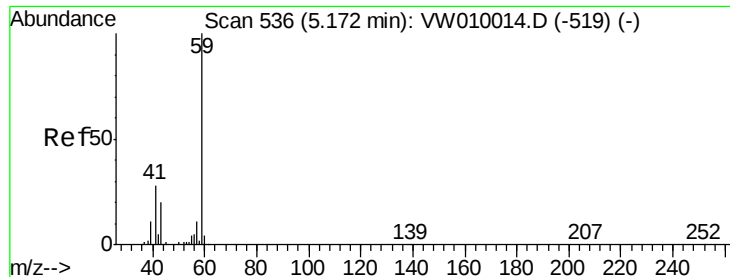
1000

500

0

Time--> 3.60 3.65 3.70 3.75

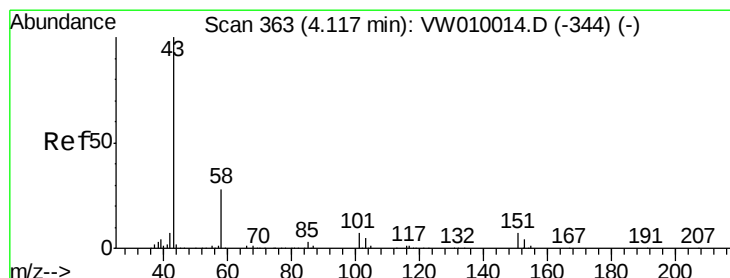
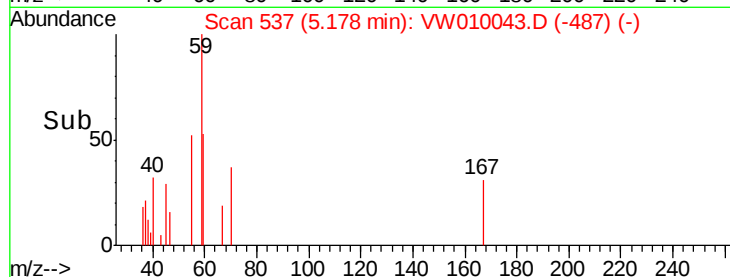
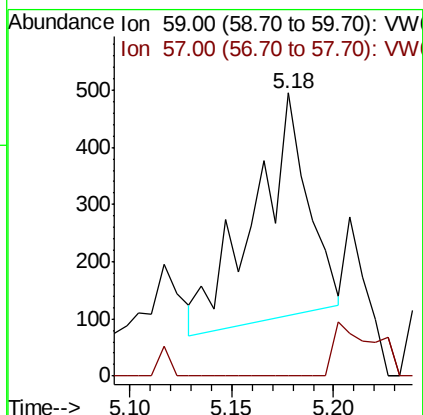
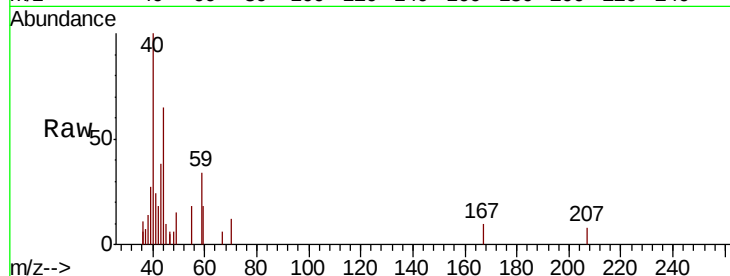




#11
Tert butyl alcohol
Concen: 3.608 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010043.D
Acq: 18 Apr 2019 14:17

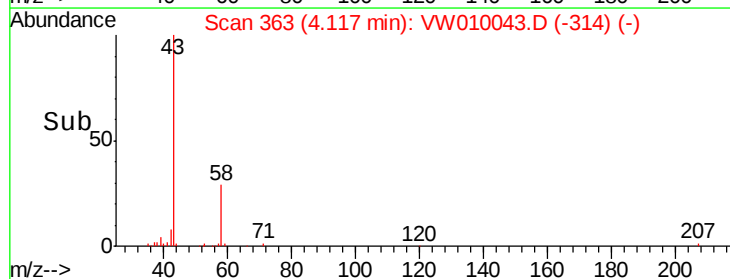
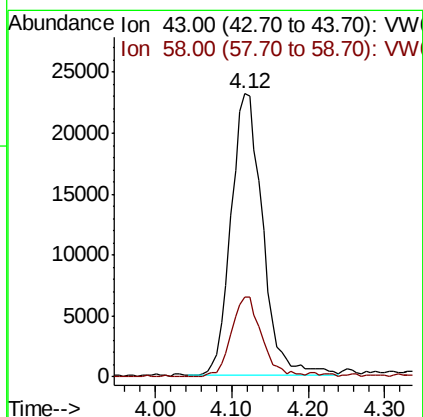
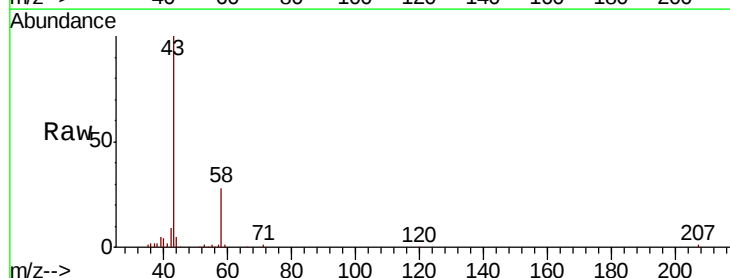
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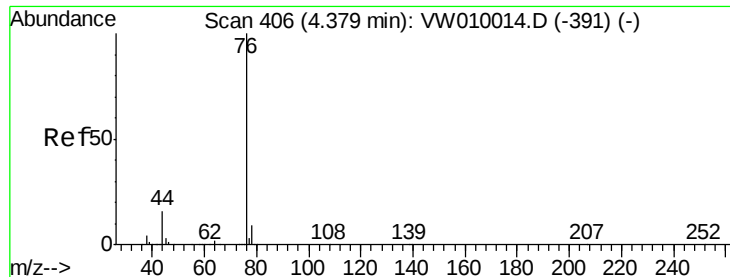
Tgt Ion: 59 Resp: 717
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 81.788 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW010043.D
Acq: 18 Apr 2019 14:17

Tgt Ion: 43 Resp: 66203
Ion Ratio Lower Upper
43 100
58 28.6 22.7 34.1

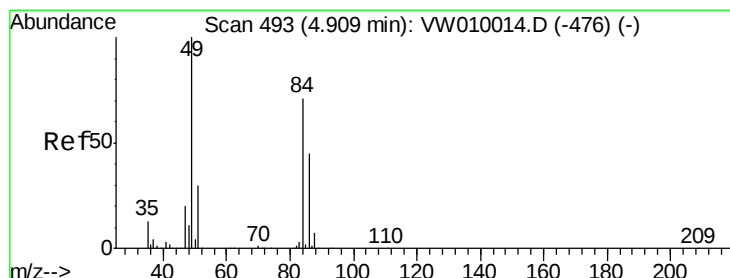
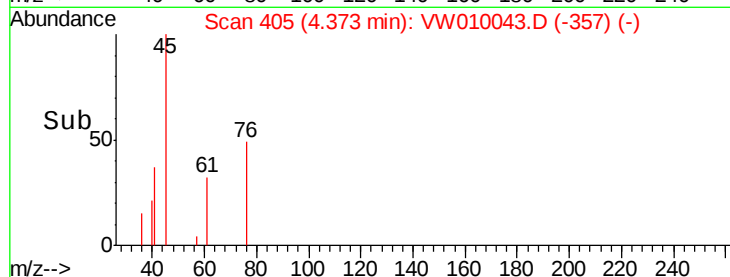
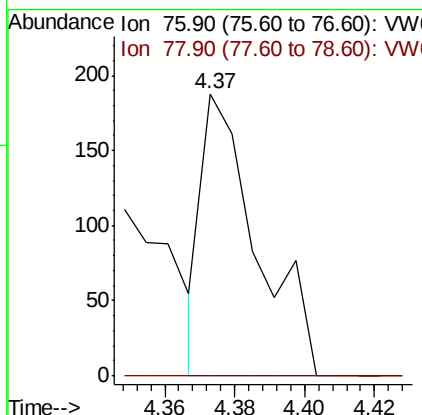
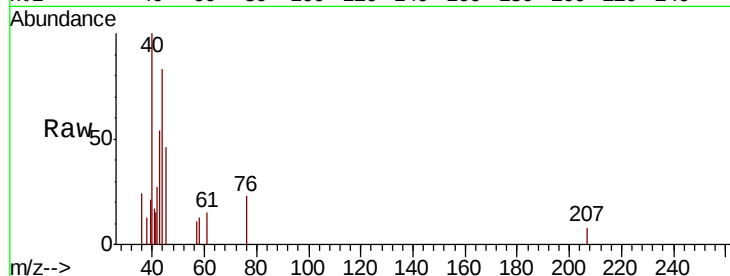




#17
Carbon Disulfide
Concen: 1.363 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW010043.D
Acq: 18 Apr 2019 14:17

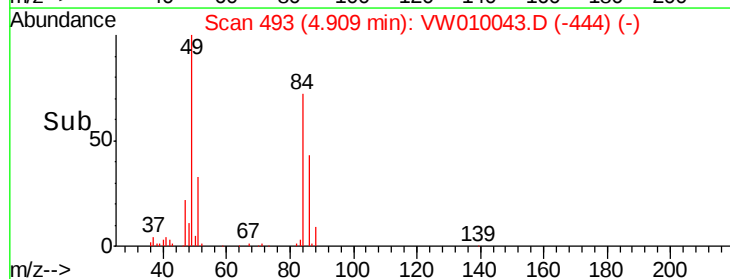
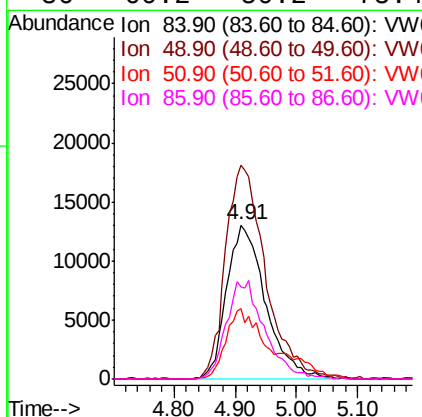
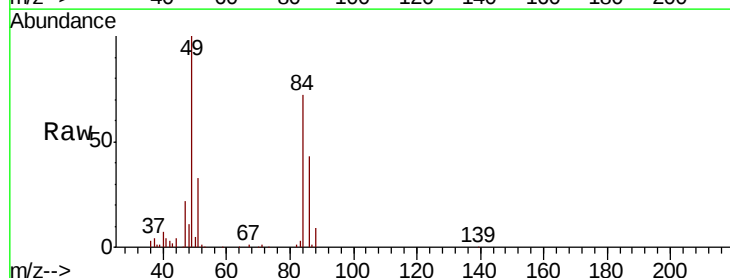
Instrument :
MSVOA_W
ClientSampleId :
TP-16-S2

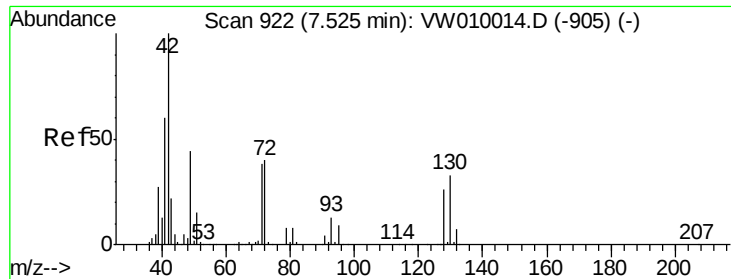
Tgt Ion: 76 Resp: 205
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#20
Methylene Chloride
Concen: 15.273 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010043.D
Acq: 18 Apr 2019 14:17

Tgt Ion: 84 Resp: 57480
Ion Ratio Lower Upper
84 100
49 139.0 112.3 168.5
51 46.0 33.9 50.9
86 60.2 50.2 75.4

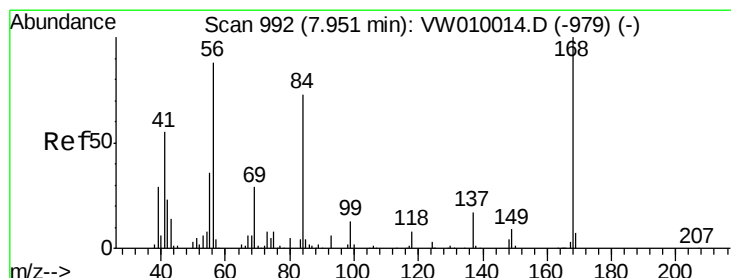
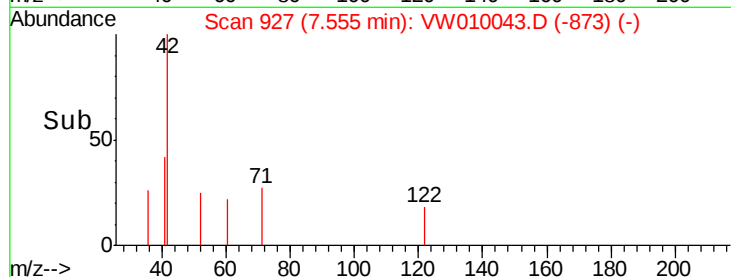
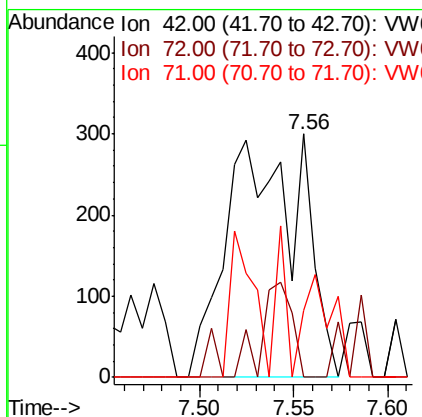
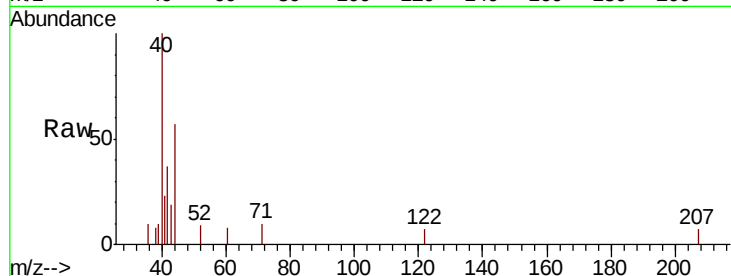




#29
Tetrahydrofuran
Concen: 1.190 ug/l
RT: 7.56 min Scan# 927
Delta R.T. 0.03 min
Lab File: VW010043.D
Acq: 18 Apr 2019 14:17

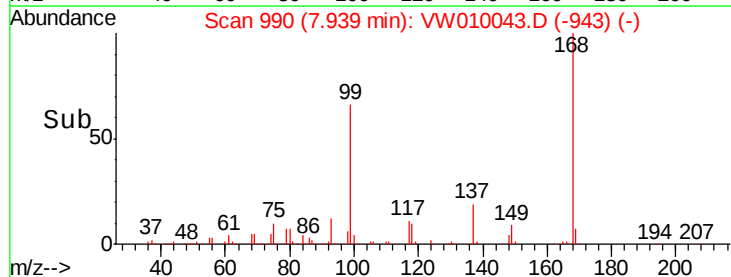
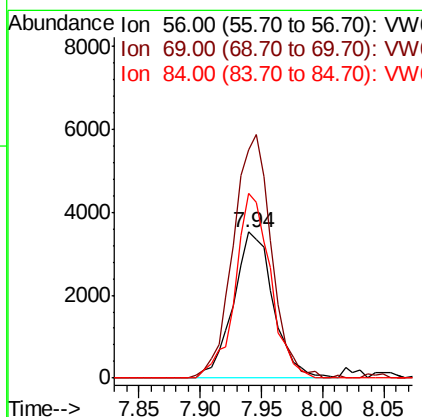
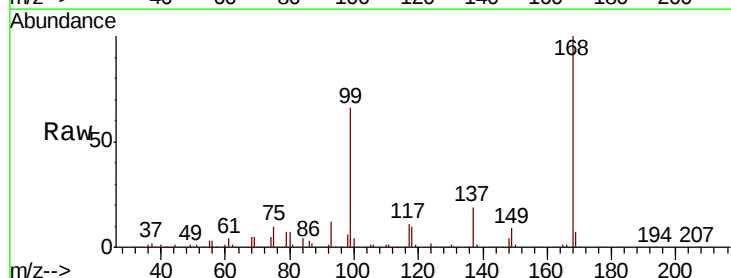
Instrument :
MSVOA_W
ClientSampled :
TP-16-S2

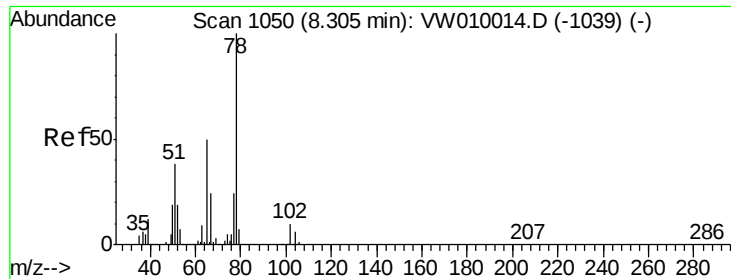
Tgt Ion: 42 Resp: 802
Ion Ratio Lower Upper
42 100
72 0.0 31.0 46.6#
71 13.1 29.7 44.5#



#31
Cyclohexane
Concen: 1.420 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW010043.D
Acq: 18 Apr 2019 14:17

Tgt Ion: 56 Resp: 8010
Ion Ratio Lower Upper
56 100
69 156.5 26.6 40.0#
84 130.2 66.2 99.2#

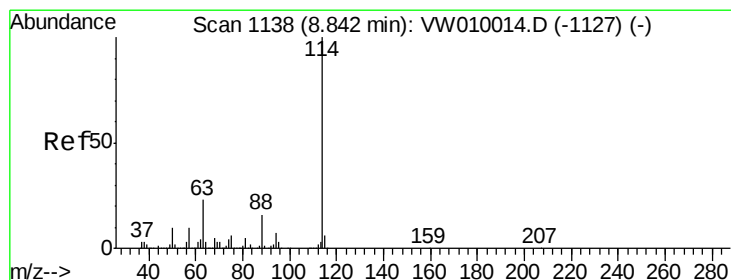
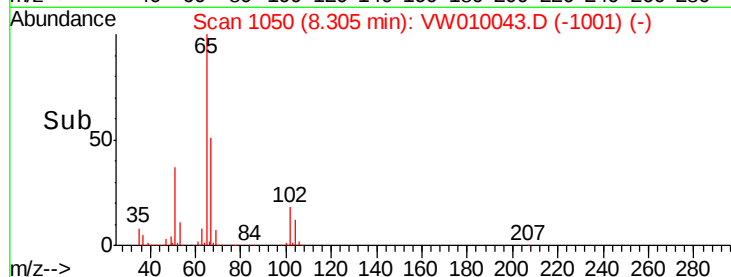
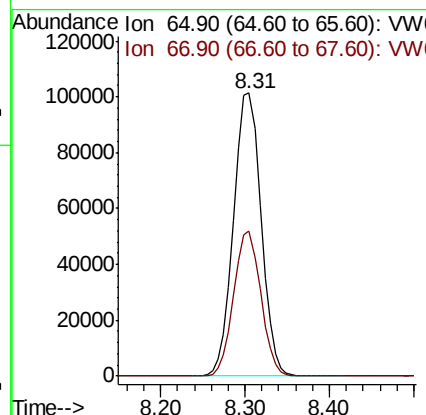
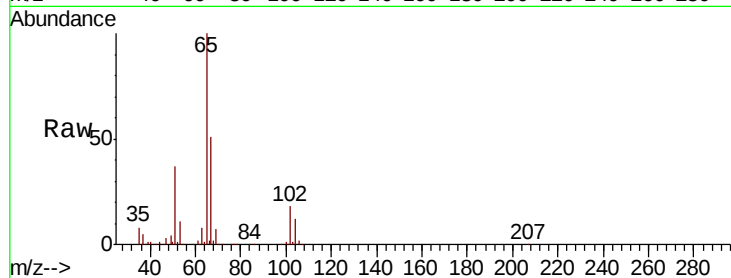




#33
 1,2-Dichloroethane-d4
 Concen: 64.253 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010043.D
 Acq: 18 Apr 2019 14:17

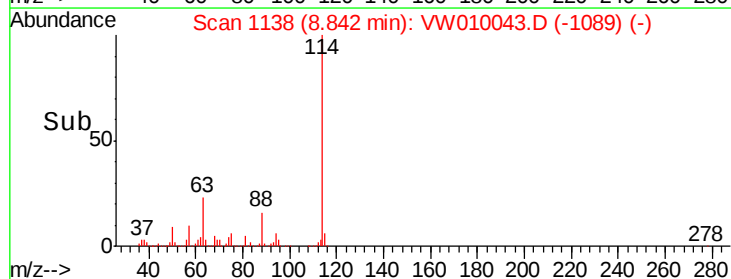
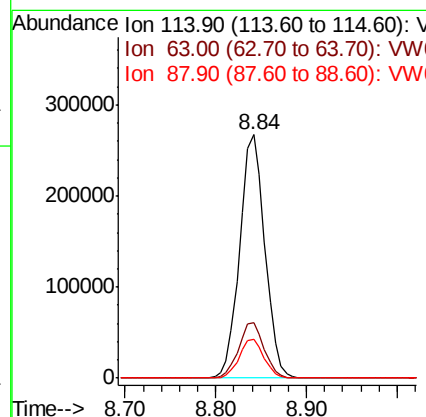
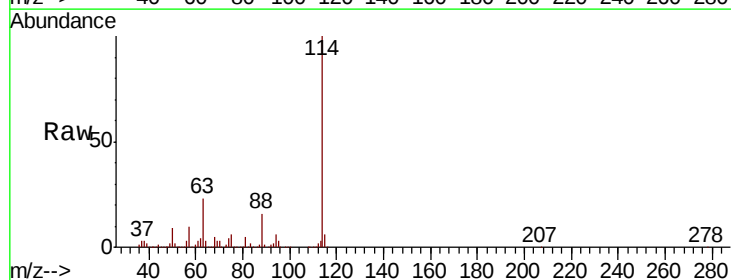
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 TP-16-S2

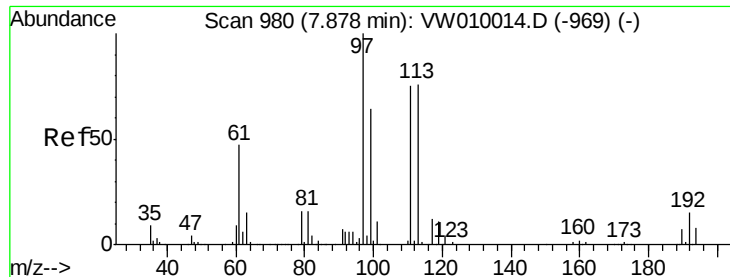
Tgt Ion: 65 Resp: 224158
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010043.D
 Acq: 18 Apr 2019 14:17

Tgt Ion: 114 Resp: 513467
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 46.2
 88 16.0 0.0 32.6

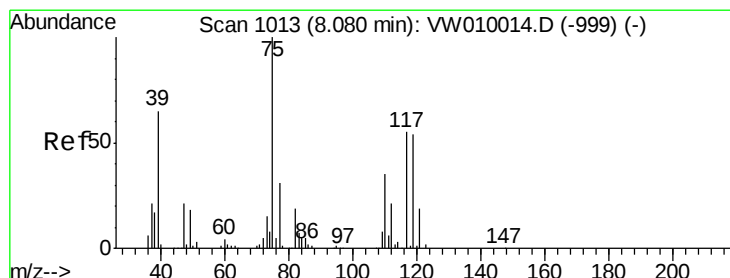
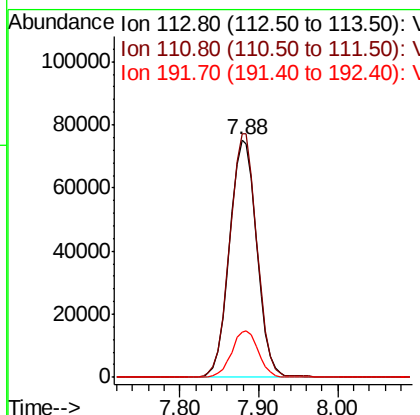
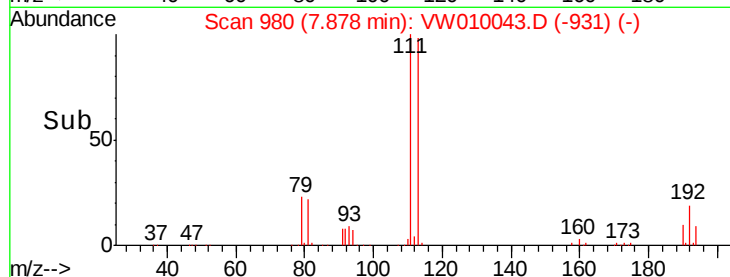
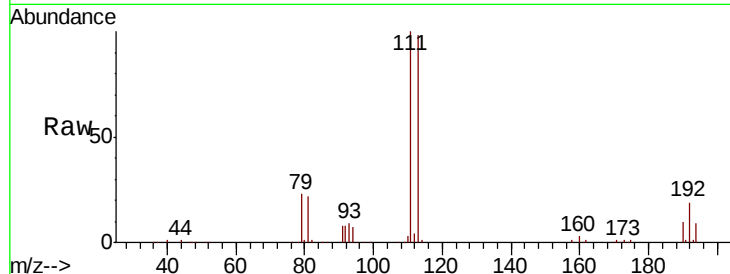




#35
 Dibromofluoromethane
 Concen: 55.241 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW010043.D
 Acq: 18 Apr 2019 14:17

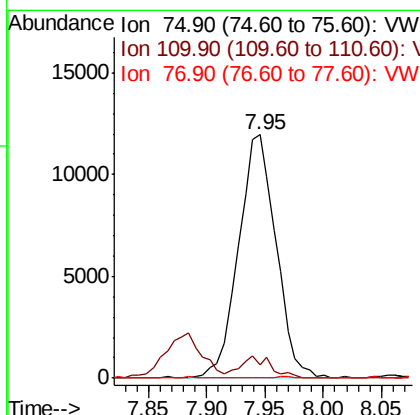
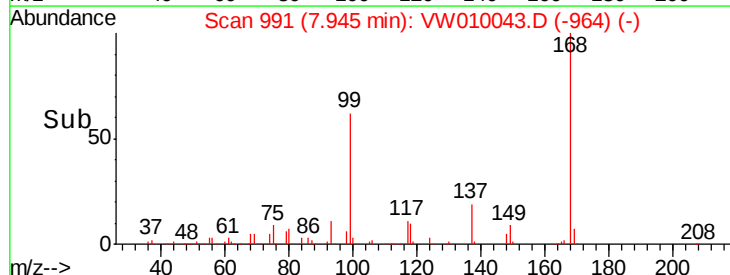
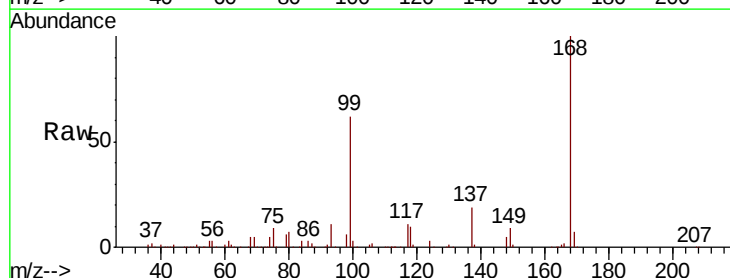
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 TP-16-S2

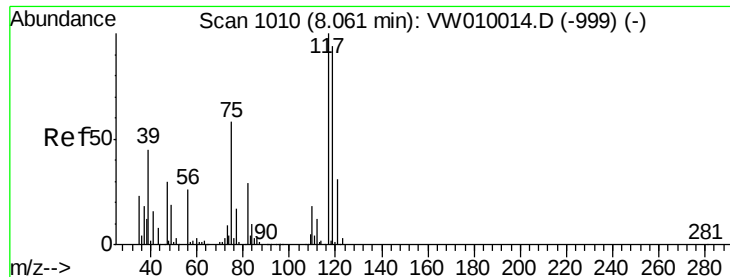
Tgt Ion:113 Resp: 180331
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.6 123.8
 192 19.1 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.112 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010043.D
 Acq: 18 Apr 2019 14:17

Tgt Ion: 75 Resp: 26814
 Ion Ratio Lower Upper
 75 100
 110 7.3 16.6 49.8#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.002 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010043.D

Acq: 18 Apr 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

TP-16-S2

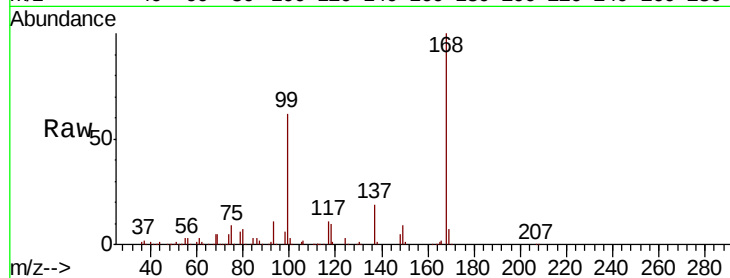
Tgt Ion:117 Resp: 30722

Ion Ratio Lower Upper

117 100

119 6.0 75.3 112.9#

121 0.0 24.4 36.6#

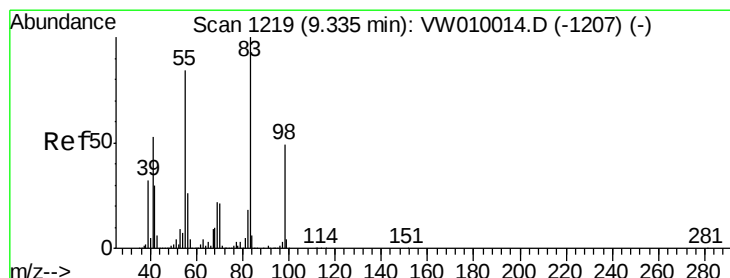
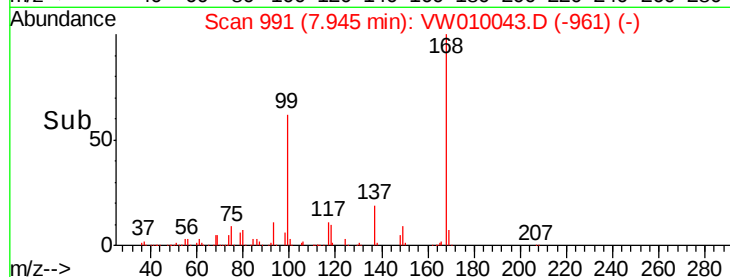
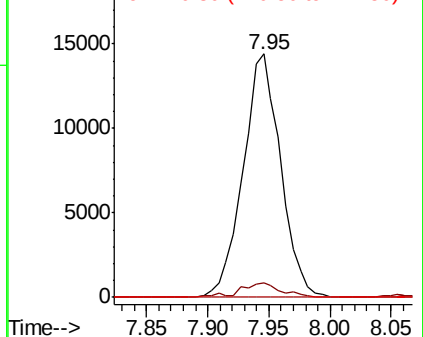


Abundance

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



#39

Methylcyclohexane

Concen: 1.511 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW010043.D

Acq: 18 Apr 2019 14:17

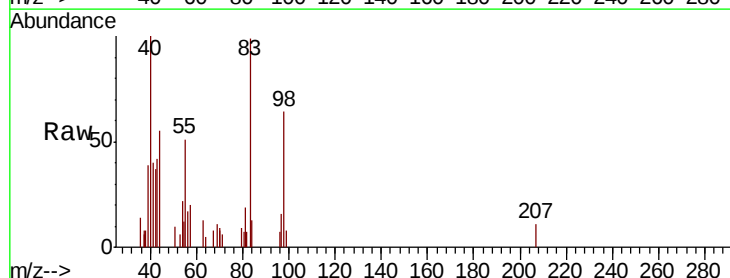
Tgt Ion: 83 Resp: 2051

Ion Ratio Lower Upper

83 100

55 51.7 67.1 100.7#

98 64.7 39.2 58.8#

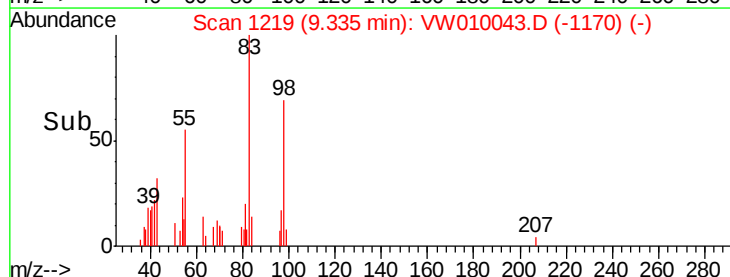
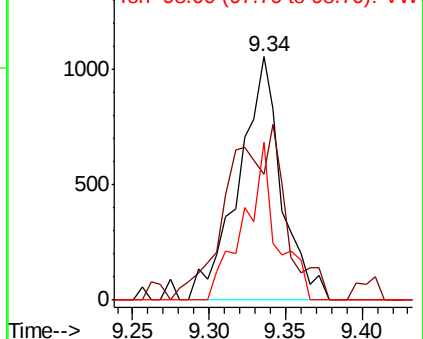


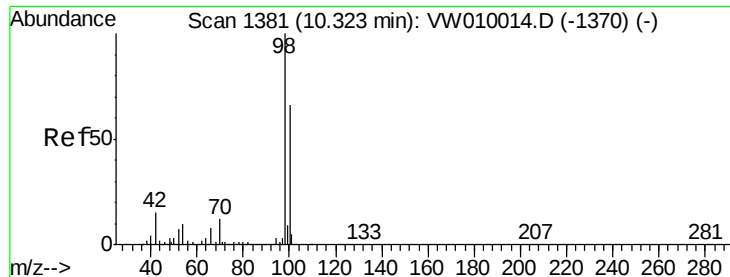
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#50

Toluene-d8

Concen: 49.991 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010043.D

Acq: 18 Apr 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

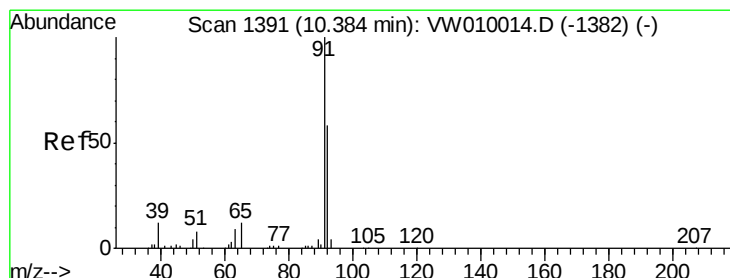
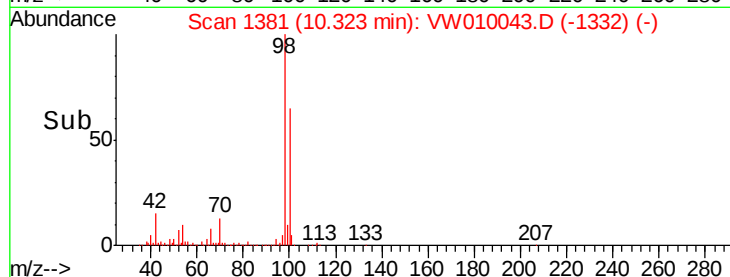
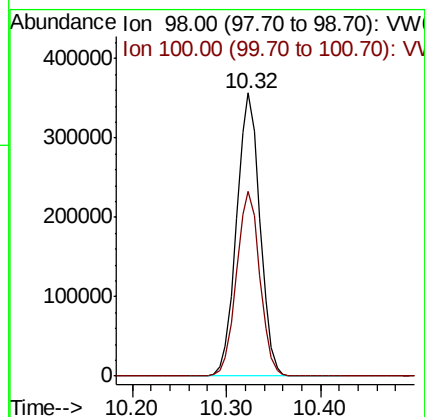
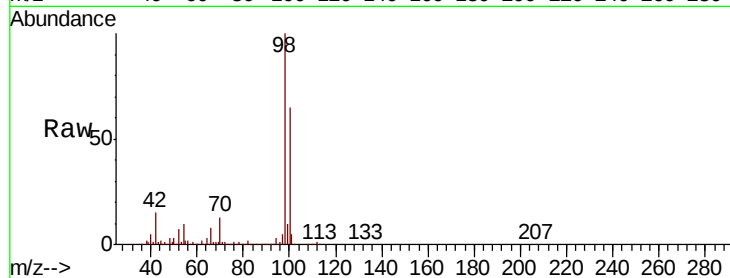
TP-16-S2

Tgt Ion: 98 Resp: 611518

Ion Ratio Lower Upper

98 100

100 65.1 52.3 78.5



#52

Toluene

Concen: 1.803 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010043.D

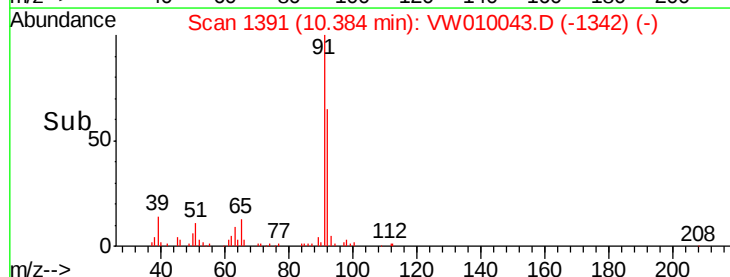
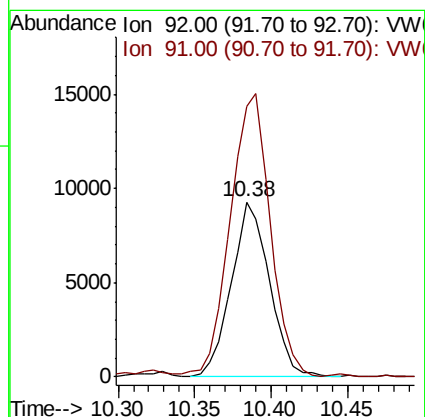
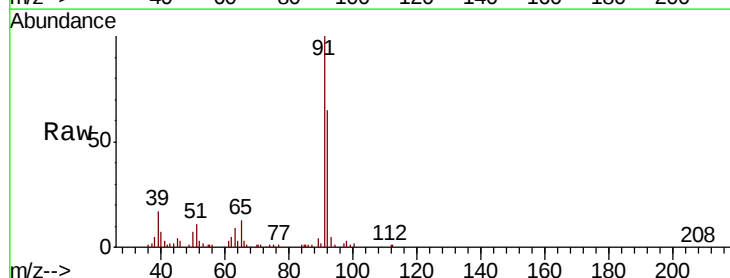
Acq: 18 Apr 2019 14:17

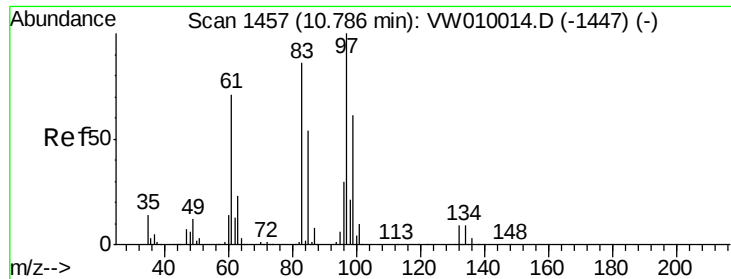
Tgt Ion: 92 Resp: 16108

Ion Ratio Lower Upper

92 100

91 169.5 138.5 207.7

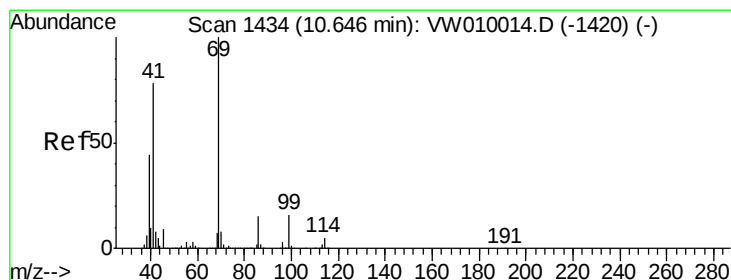
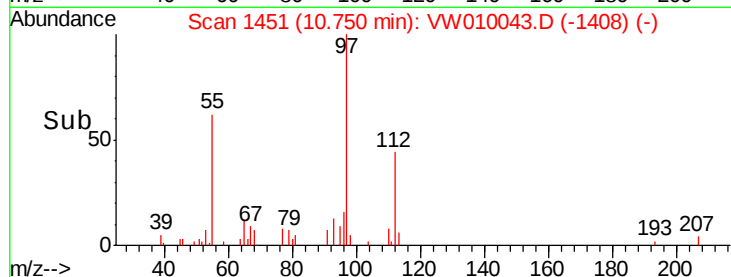
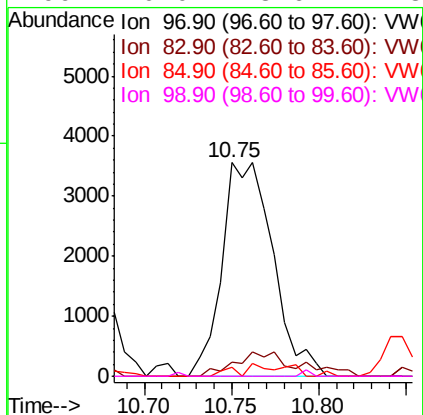
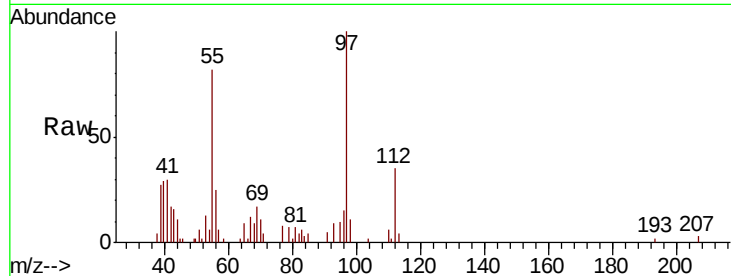




#55
 1,1,2-Trichloroethane
 Concen: 2.636 ug/l
 RT: 10.75 min Scan# 1451
 Delta R.T. -0.04 min
 Lab File: VW010043.D
 Acq: 18 Apr 2019 14:17

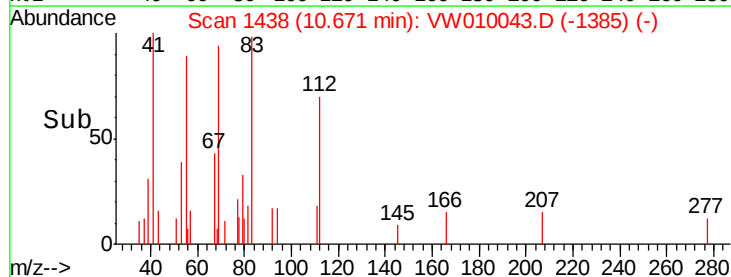
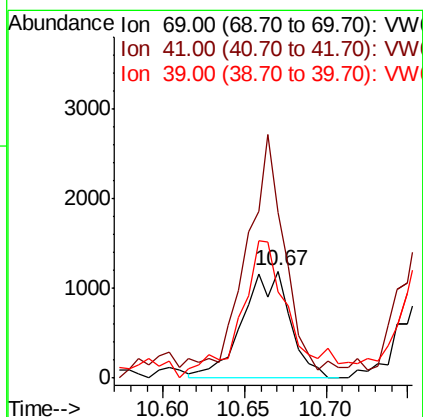
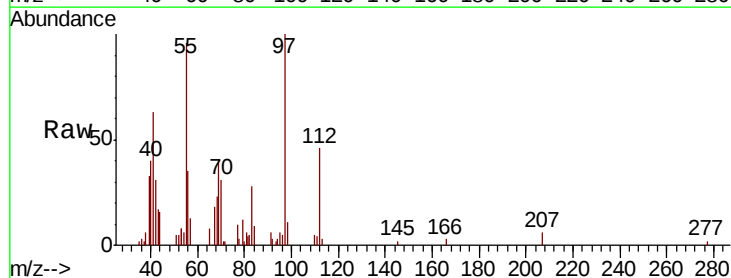
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-16-S2

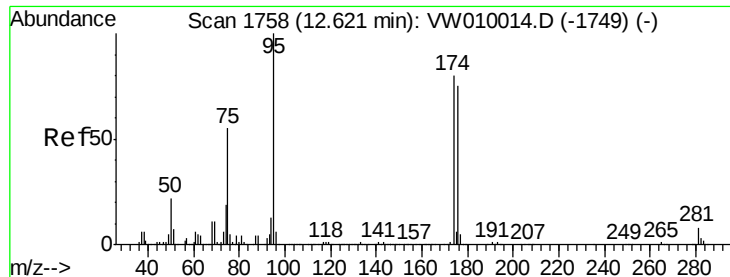
Tgt Ion: 97 Resp: 7187
 Ion Ratio Lower Upper
 97 100
 83 6.5 68.9 103.3#
 85 4.5 42.9 64.3#
 99 0.0 48.6 72.8#



#56
 Ethyl methacrylate
 Concen: 3.240 ug/l
 RT: 10.67 min Scan# 1438
 Delta R.T. 0.02 min
 Lab File: VW010043.D
 Acq: 18 Apr 2019 14:17

Tgt Ion: 69 Resp: 2392
 Ion Ratio Lower Upper
 69 100
 41 165.2 61.0 91.6#
 39 137.8 33.8 50.6#





#62

4-Bromofluorobenzene

Concen: 43.157 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010043.D

Acq: 18 Apr 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

TP-16-S2

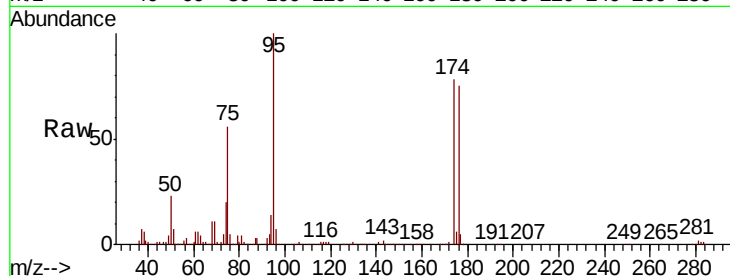
Tgt Ion: 95 Resp: 191894

Ion Ratio Lower Upper

95 100

174 77.7 0.0 151.4

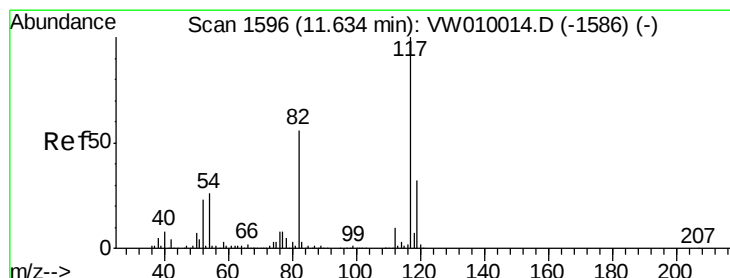
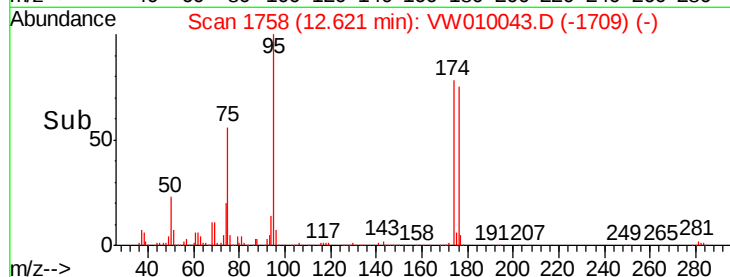
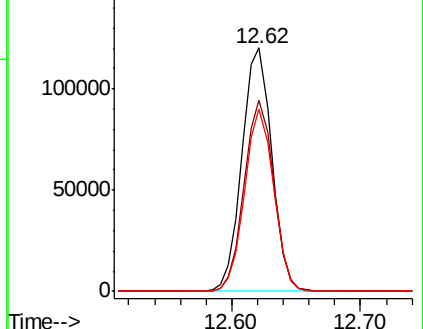
176 73.2 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW010043.D

Acq: 18 Apr 2019 14:17

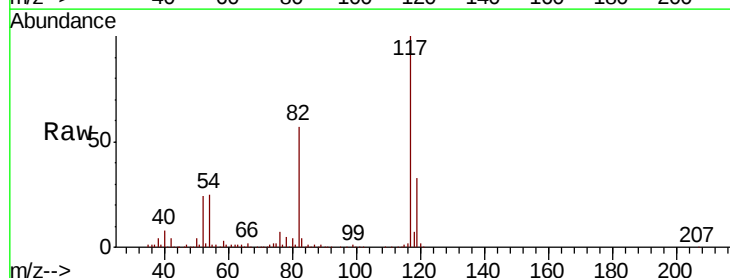
Tgt Ion: 117 Resp: 446717

Ion Ratio Lower Upper

117 100

82 56.7 45.2 67.8

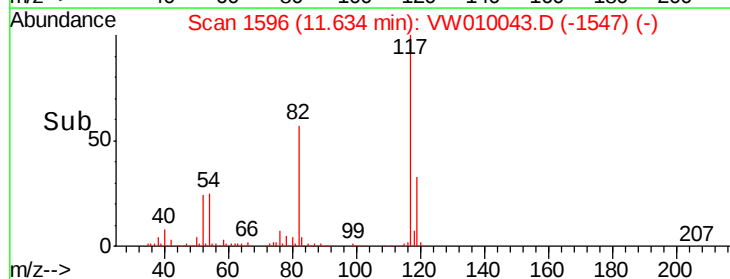
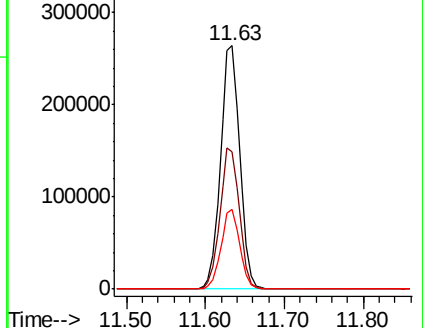
119 32.7 25.4 38.2

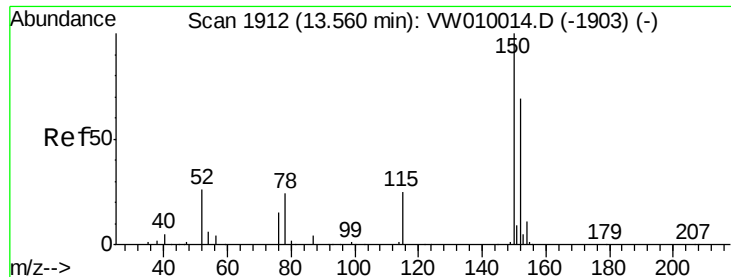


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



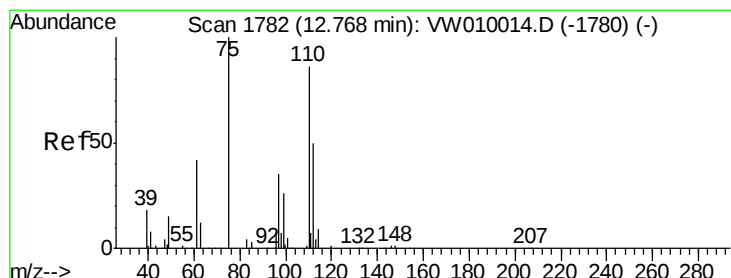
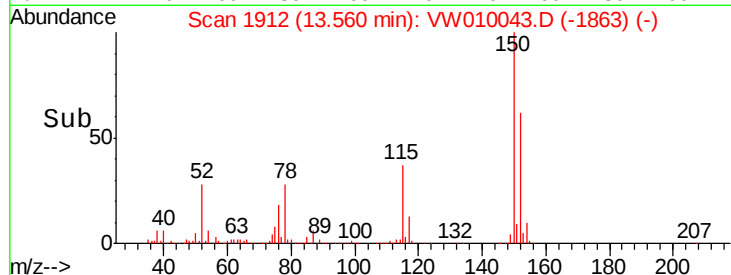
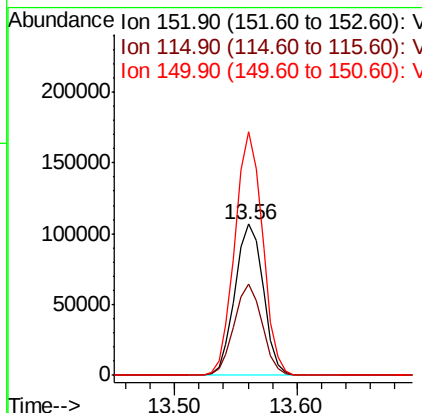
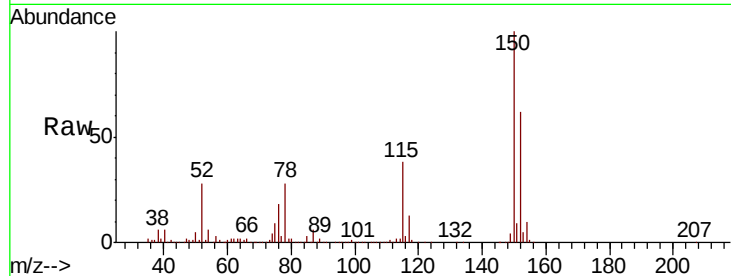


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010043.D
Acq: 18 Apr 2019 14:17

Instrument :
MSVOA_W
ClientSampled :
TP-16-S2

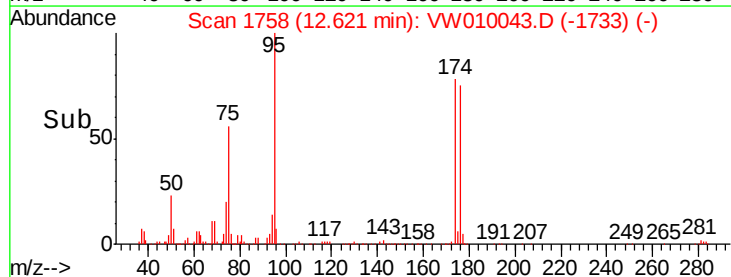
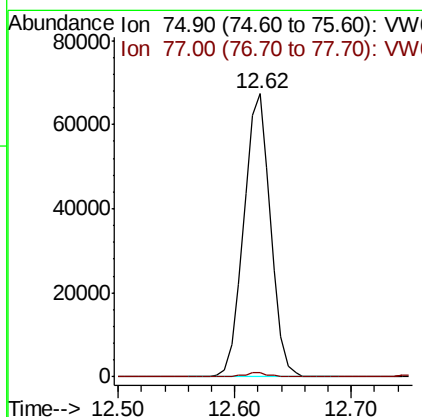
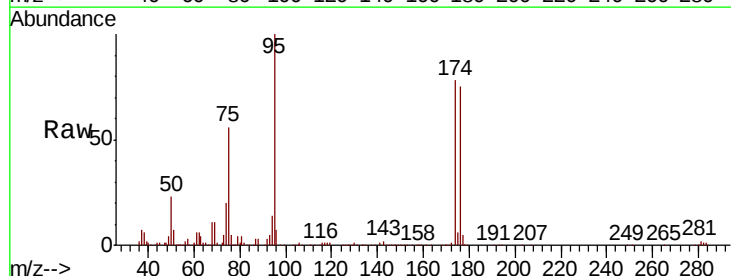
Tgt Ion: 152 Resp: 170831
Ion Ratio Lower Upper
152 100
115 60.1 30.4 91.2
150 157.9 0.0 347.0

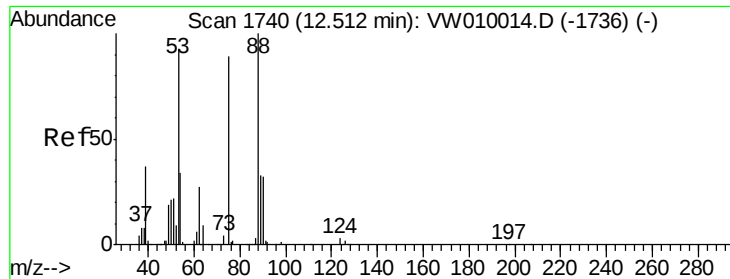


#76

1,2,3-Trichloropropane
Concen: 63.022 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW010043.D
Acq: 18 Apr 2019 14:17

Tgt Ion: 75 Resp: 107753
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 148.604 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010043.D

Acq: 18 Apr 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

TP-16-S2

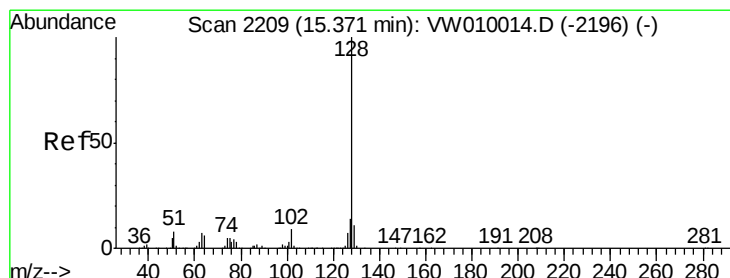
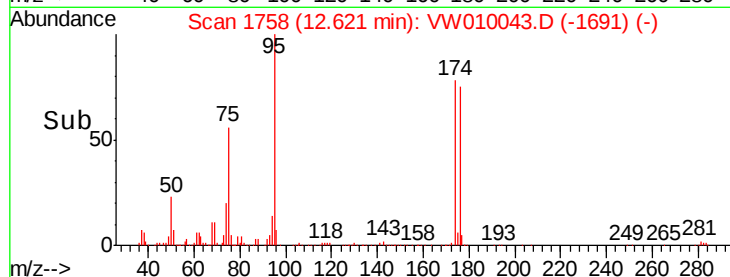
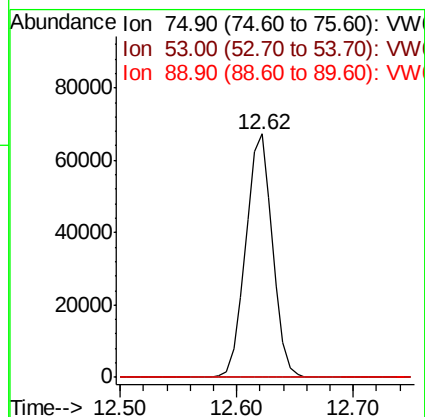
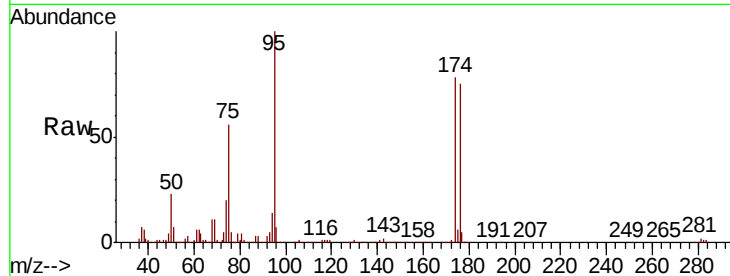
Tgt Ion: 75 Resp: 107753

Ion Ratio Lower Upper

75 100

53 0.6 89.8 134.8#

89 0.0 36.6 54.8#



#95

Naphthalene

Concen: 3.166 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010043.D

Acq: 18 Apr 2019 14:17

Tgt Ion: 128 Resp: 3607

Ion Ratio Lower Upper

128 100

127 21.0 10.6 15.8#

129 9.0 8.7 13.1

