

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011619\
 Data File : VW008305.D
 Acq On : 16 Jan 2019 13:48
 Operator : SY/VA
 Sample : K1147-10RE
 Misc : 5.36G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4

Quant Time: Jan 17 05:02:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	87255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	160960	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	156869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	79115	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	54199	55.27	ug/l	0.00
Spiked Amount			Recovery	=	110.54%	
35) Dibromofluoromethane	7.88	113	50643	53.95	ug/l	0.00
Spiked Amount			Recovery	=	107.90%	
50) Toluene-d8	10.32	98	211229	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	
62) 4-Bromofluorobenzene	12.62	95	83335	59.01	ug/l	0.00
Spiked Amount			Recovery	=	118.02%	

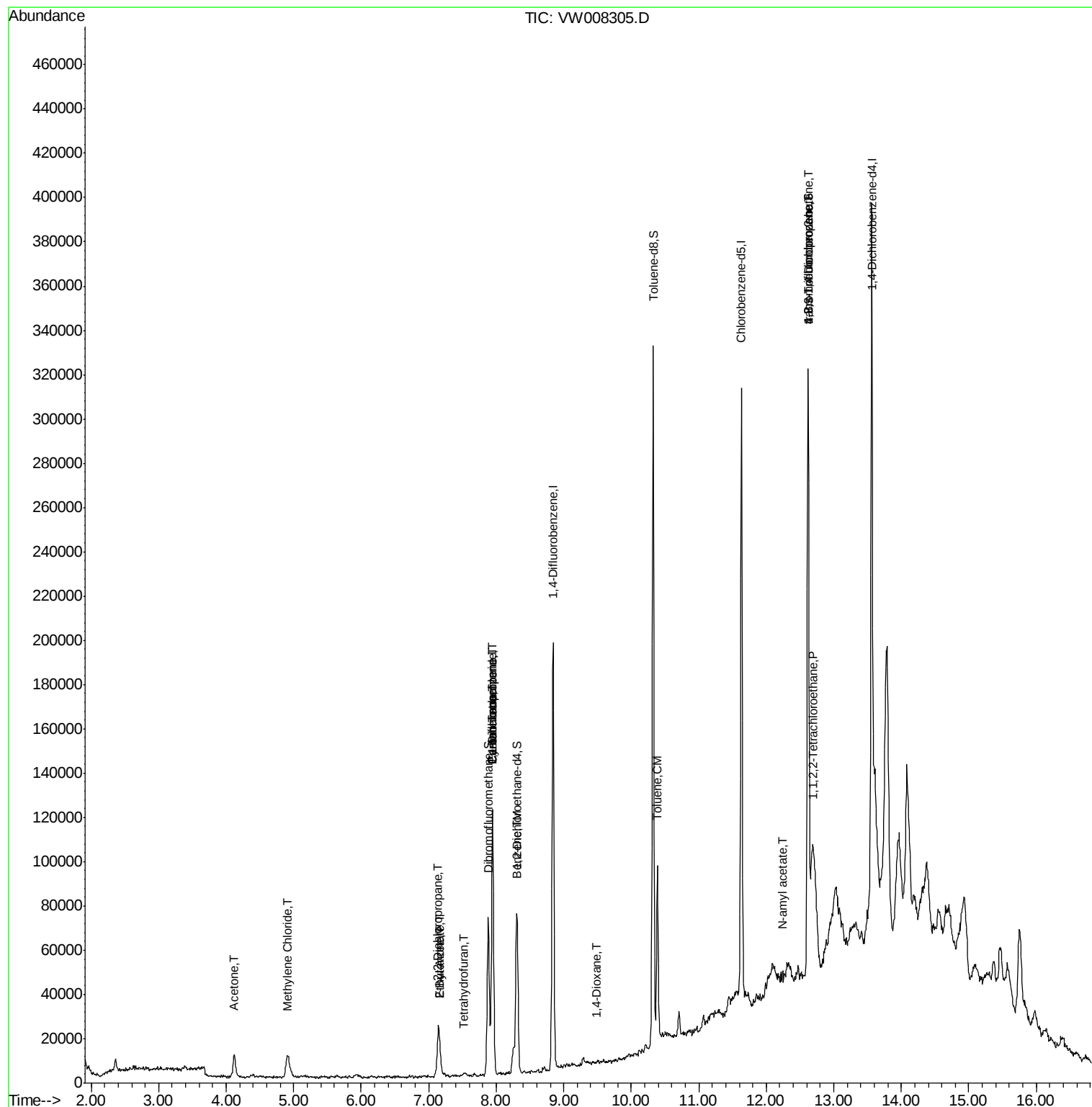
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.28	59	26	Below Cal	#	100
16) Acetone	4.12	43	17398	84.715	ug/l	96
20) Methylene Chloride	4.91	84	9370	5.417	ug/l	91
25) 2-Butanone	7.17	43	6894	25.266	ug/l	94
26) 2,2-Dichloropropane	7.13	77	1882	1.441	ug/l #	55
29) Tetrahydrofuran	7.52	42	1643	9.014	ug/l #	77
31) Cyclohexane	7.95	56	2371	1.149	ug/l #	29
36) 1,1-Dichloropropene	7.95	75	7585	4.575	ug/l #	52
37) Ethyl Acetate	7.17	43	6894	10.378	ug/l #	69
38) Carbon Tetrachloride	7.95	117	9173	6.044	ug/l #	18
40) Benzene	8.32	78	7215	1.604	ug/l	96
49) 1,4-Dioxane	9.48	88	43	4.883	ug/l #	11
52) Toluene	10.39	92	34319	11.949	ug/l	98
74) N-amyl acetate	12.23	43	2133	1.551	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	12.69	83	17181	17.281	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	38462	53.329	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	38462	124.187	ug/l #	13

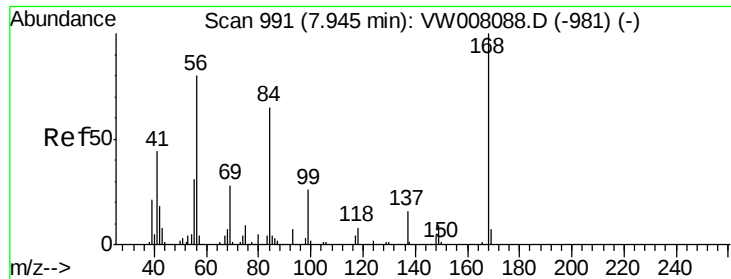
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008305.D

Acq: 16 Jan 2019 13:48

Instrument :

MSVOA_W

ClientSampled :

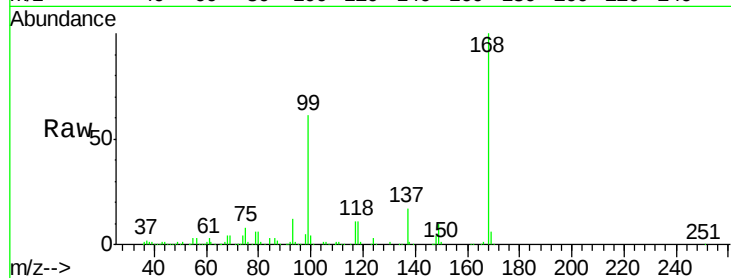
TP-4

Tot Ion:168 Resp: 87255

Ion Ratio Lower Upper

168 100

99 60.6 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

20000

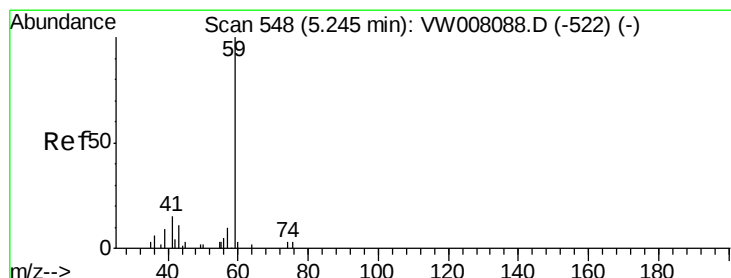
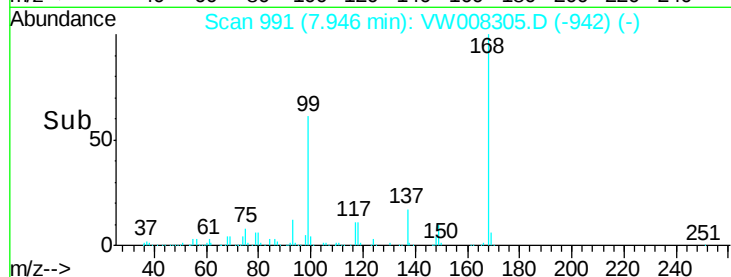
10000

0

Time-->

7.90

8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.28 min Scan# 554

Delta R.T. 0.04 min

Lab File: VW008305.D

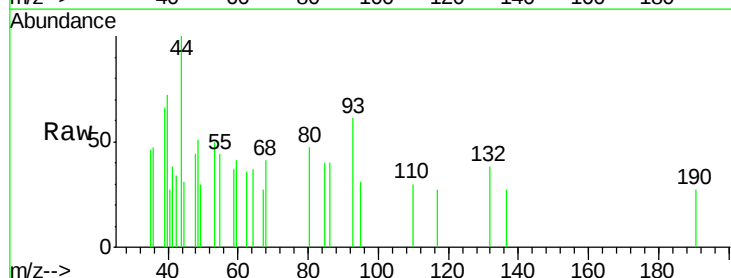
Acq: 16 Jan 2019 13:48

Tgt Ion: 59 Resp: 26

Ion Ratio Lower Upper

59 100

57 369.2 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

150

100

50

0

Time-->

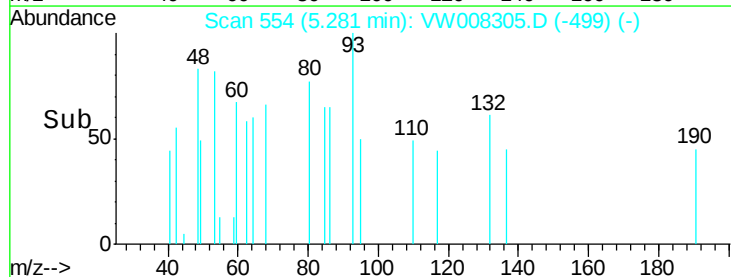
5.26

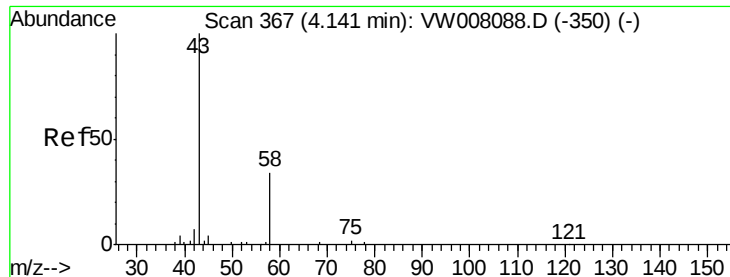
5.27

5.28

5.29

5.30





#16

Acetone

Concen: 84.715 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW008305.D

Acq: 16 Jan 2019 13:48

Instrument :

MSVOA_W

ClientSampled :

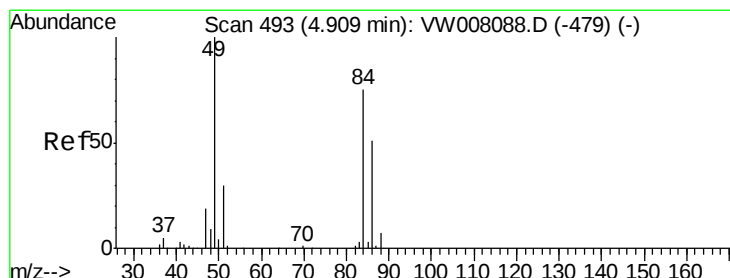
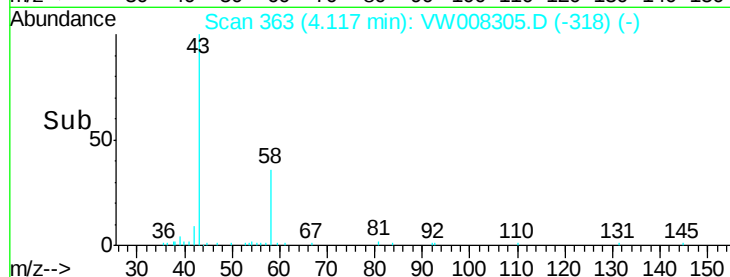
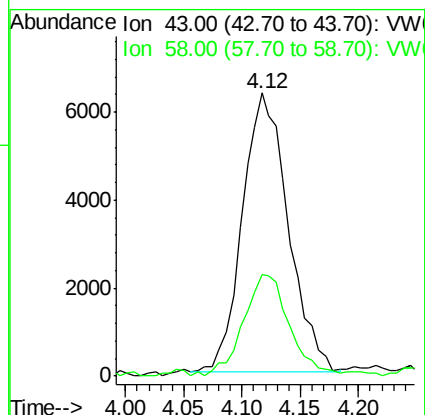
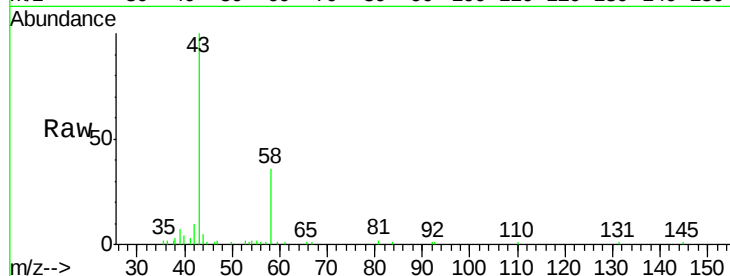
TP-4

Tot Ion: 43 Resp: 17398

Ion Ratio Lower Upper

43 100

58 36.5 27.5 41.3



#20

Methylene Chloride

Concen: 5.417 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW008305.D

Acq: 16 Jan 2019 13:48

Tgt Ion: 84 Resp: 9370

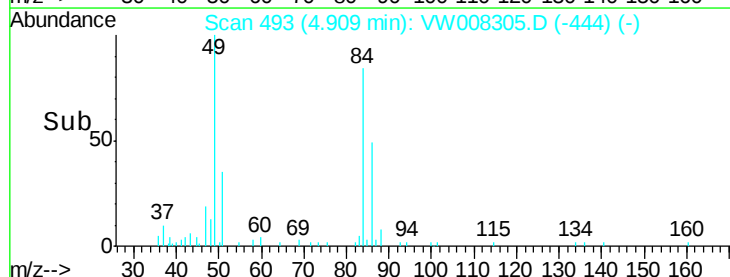
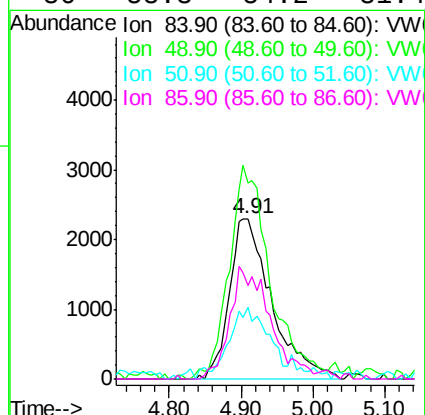
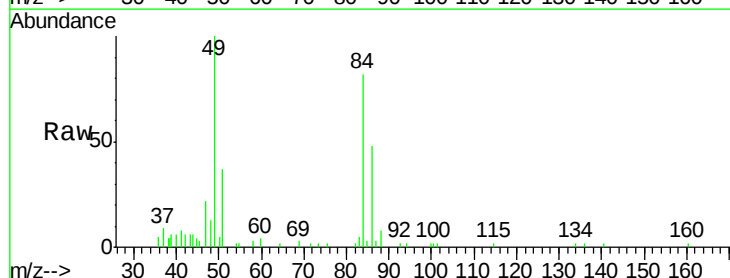
Ion Ratio Lower Upper

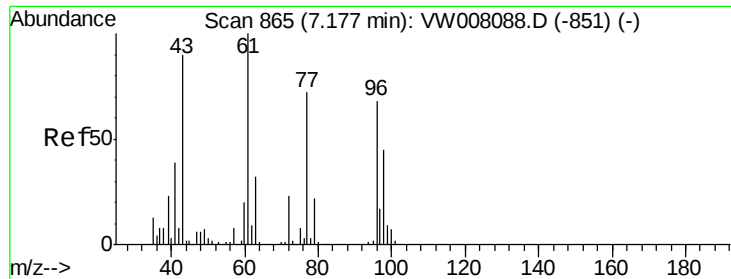
84 100

49 122.0 107.1 160.7

51 41.0 32.4 48.6

86 58.3 54.2 81.4





#25

2-Butanone

Concen: 25.266 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW008305.D

Acq: 16 Jan 2019 13:48

Instrument :

MSVOA_W

ClientSampled :

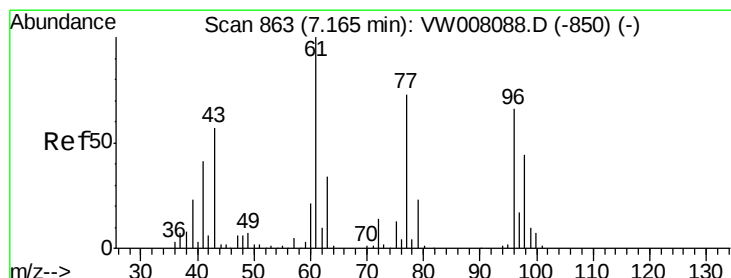
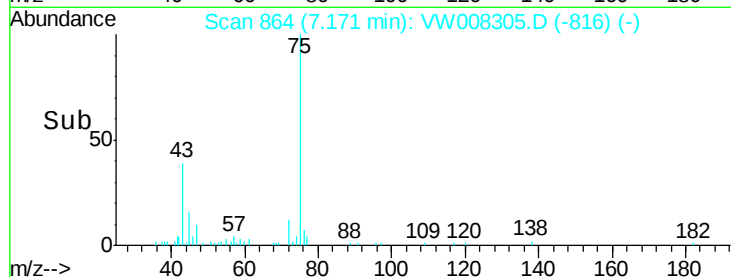
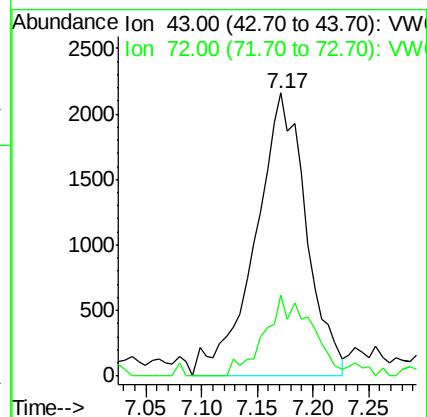
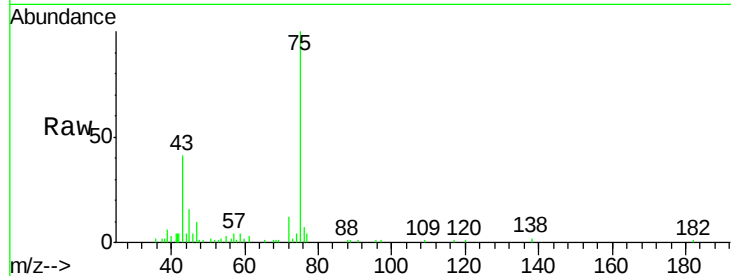
TP-4

Tot Ion: 43 Resp: 6894

Ion Ratio Lower Upper

43 100

72 28.5 20.5 30.7



#26

2,2-Dichloropropane

Concen: 1.441 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW008305.D

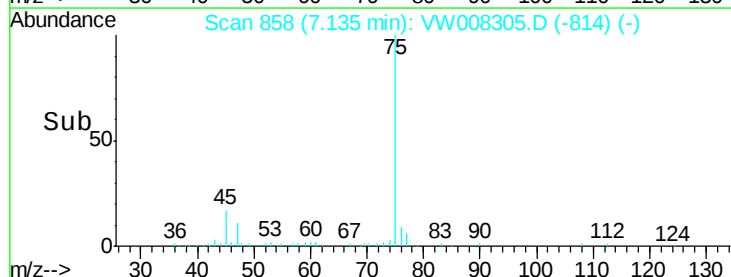
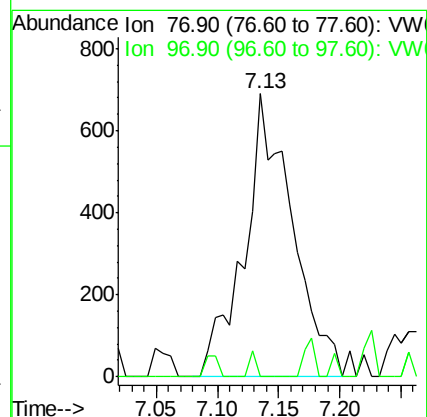
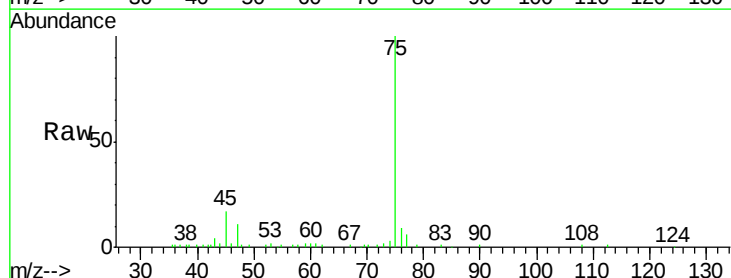
Acq: 16 Jan 2019 13:48

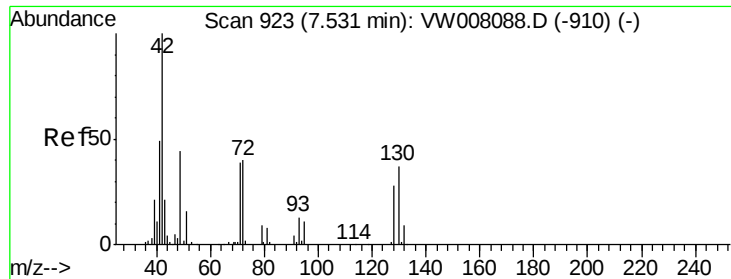
Tgt Ion: 77 Resp: 1882

Ion Ratio Lower Upper

77 100

97 1.2 11.4 34.1#

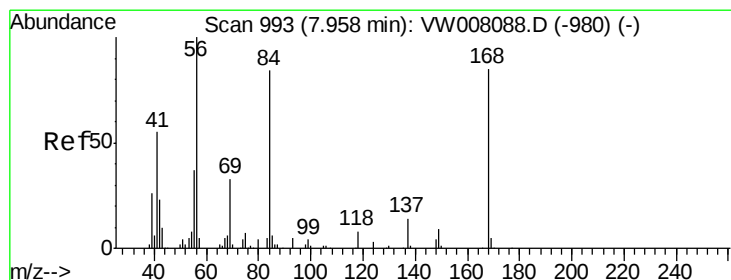
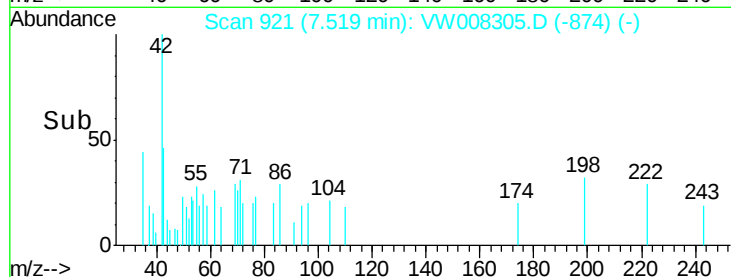
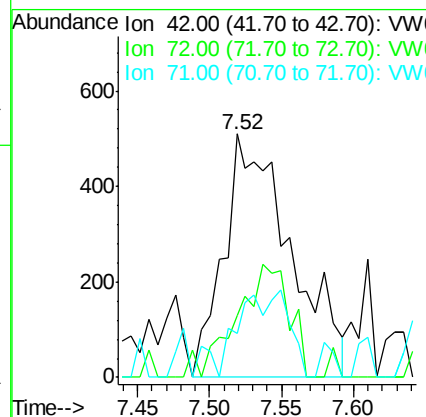
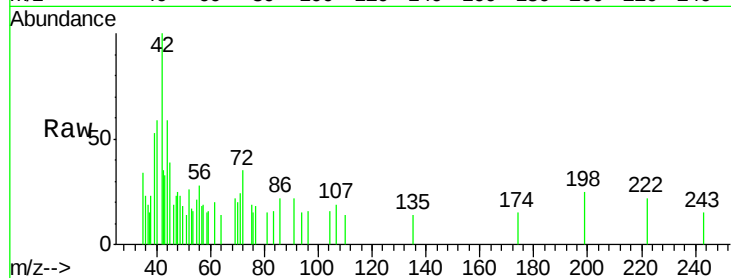




#29
Tetrahydrofuran
Concen: 9.014 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.01 min
Lab File: VW008305.D
Acq: 16 Jan 2019 13:48

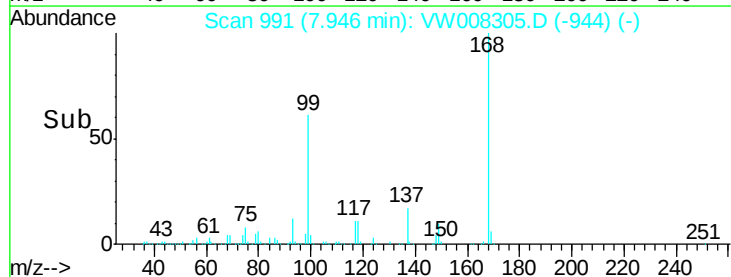
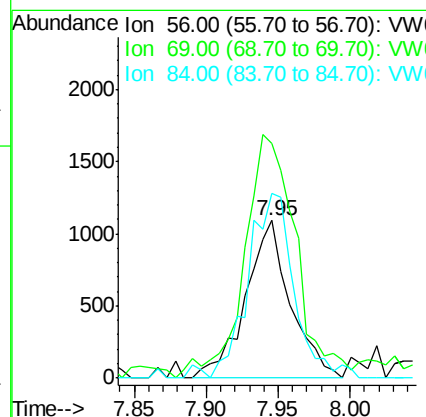
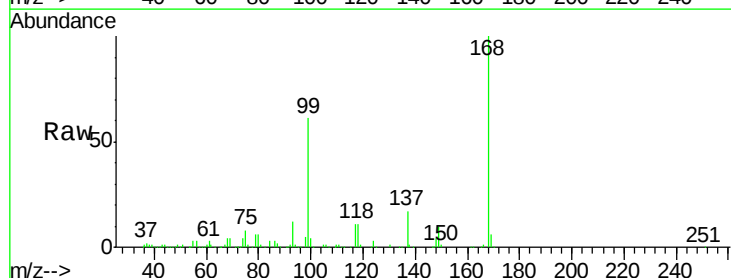
Instrument :
MSVOA_W
ClientSampled :
TP-4

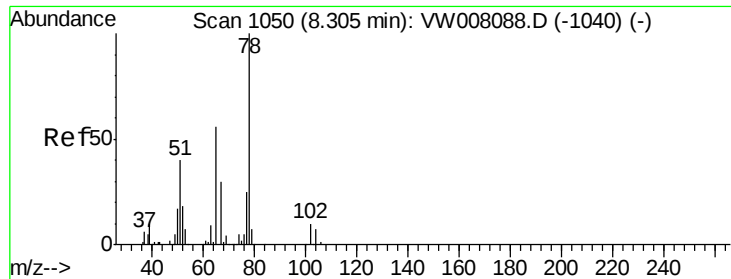
Tot Ion: 42 Resp: 1643
Ion Ratio Lower Upper
42 100
72 36.9 32.4 48.6
71 14.5 31.3 46.9#



#31
Cyclohexane
Concen: 1.149 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008305.D
Acq: 16 Jan 2019 13:48

Tgt Ion: 56 Resp: 2371
Ion Ratio Lower Upper
56 100
69 137.3 26.2 39.4#
84 108.9 67.4 101.2#

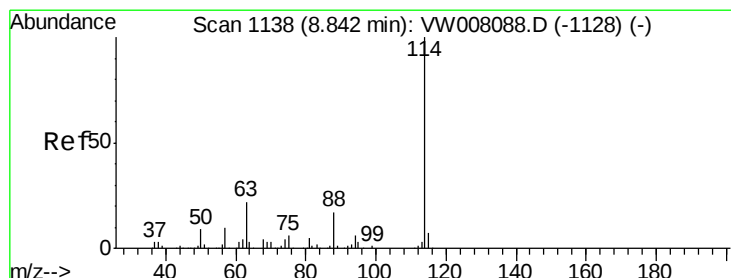
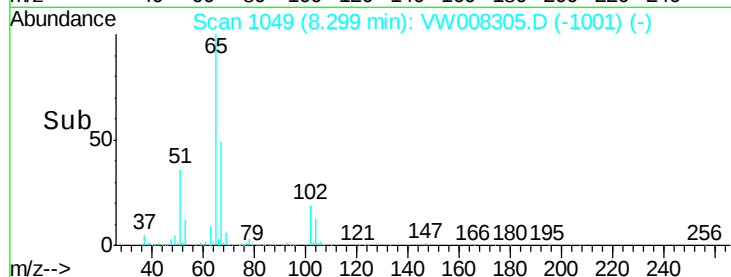
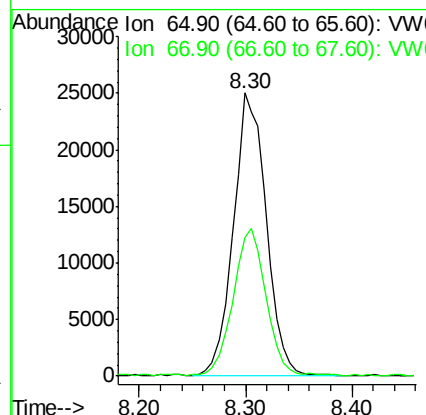
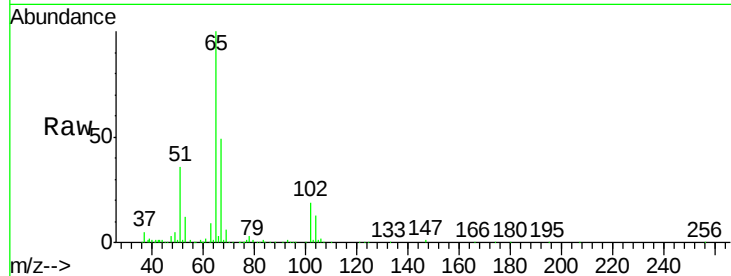




#33
 1,2-Dichloroethane-d4
 Concen: 55.267 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008305.D
 Acq: 16 Jan 2019 13:48

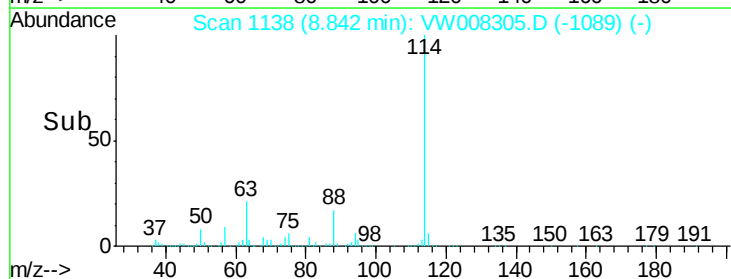
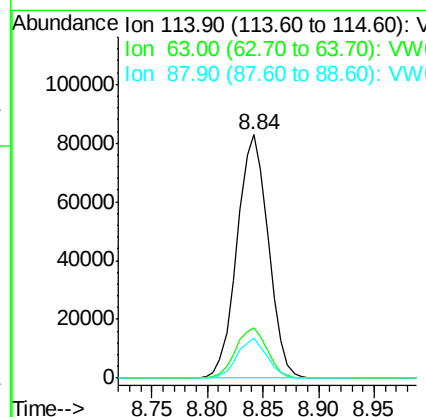
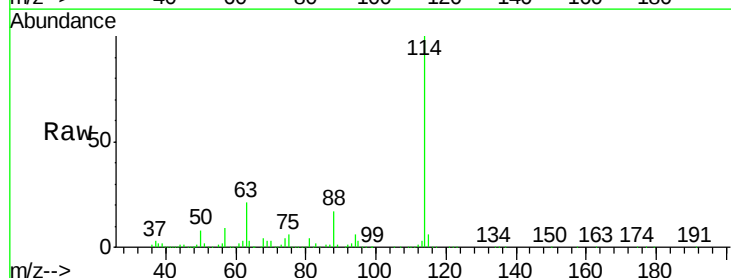
Instrument :
 MSVOA_W
 ClientSampled :
 TP-4

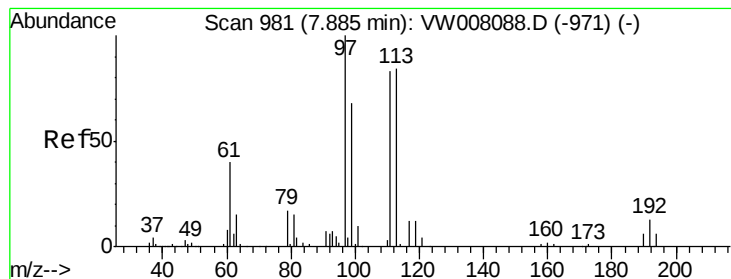
Tot Ion: 65 Resp: 54199
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008305.D
 Acq: 16 Jan 2019 13:48

Tgt Ion: 114 Resp: 160960
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.4
 88 16.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 53.946 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008305.D

Acq: 16 Jan 2019 13:48

Instrument :

MSVOA_W

ClientSampleId :

TP-4

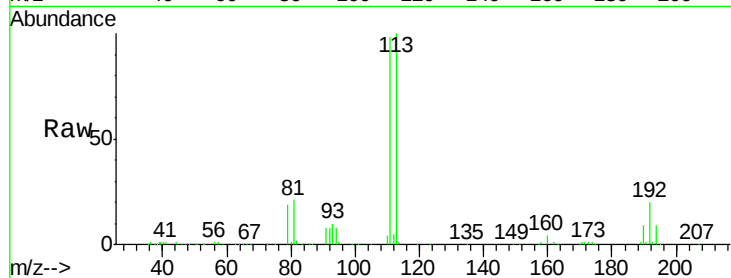
Tot Ion:113 Resp: 50643

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

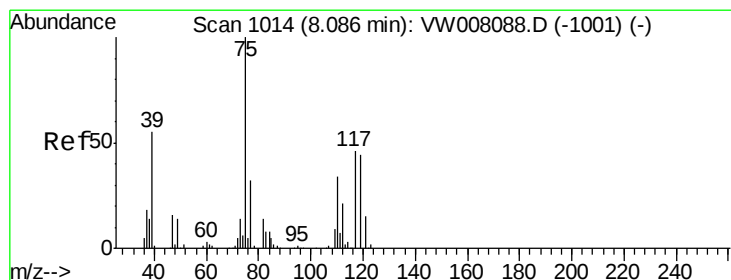
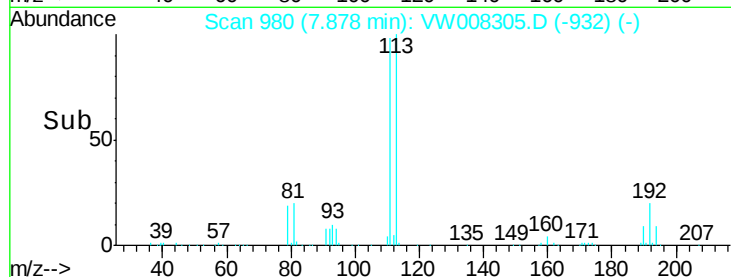
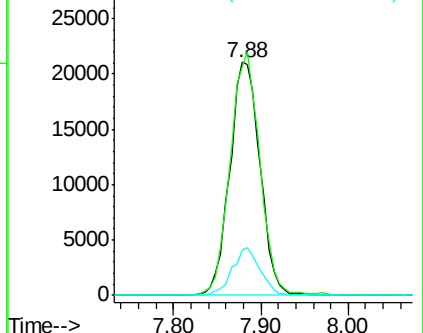
192 18.6 12.8 19.2



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: 4.575 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW008305.D

Acq: 16 Jan 2019 13:48

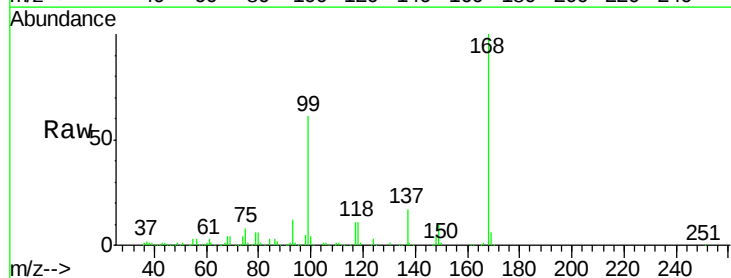
Tgt Ion: 75 Resp: 7585

Ion Ratio Lower Upper

75 100

110 10.1 17.1 51.3#

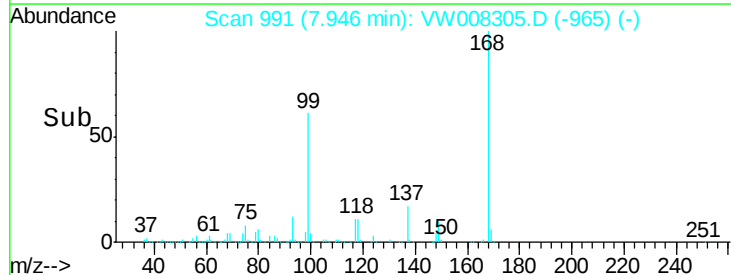
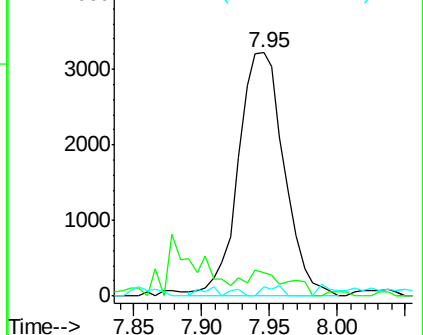
77 1.7 25.5 38.3#

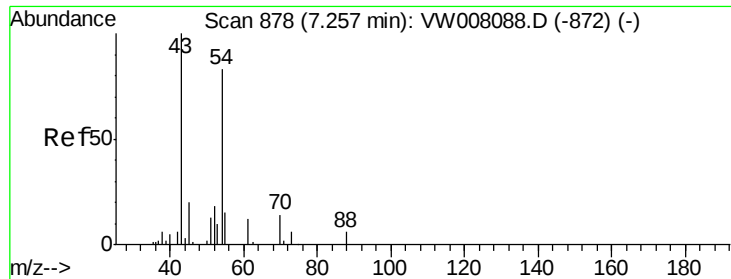


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 10.378 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.09 min

Lab File: VW008305.D

Acq: 16 Jan 2019 13:48

Instrument :

MSVOA_W

ClientSampled :

TP-4

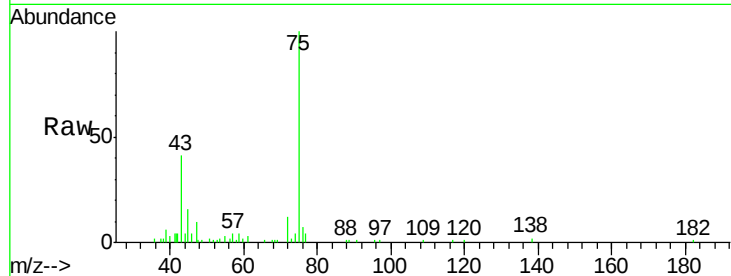
Tot Ion: 43 Resp: 6894

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

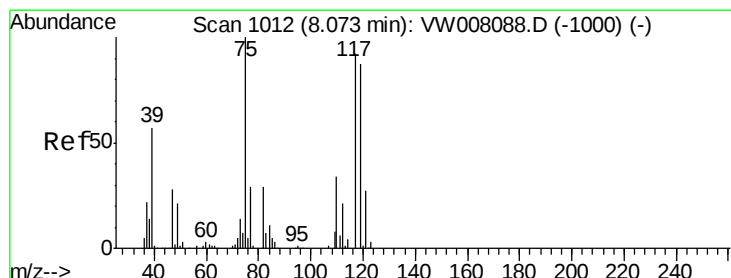
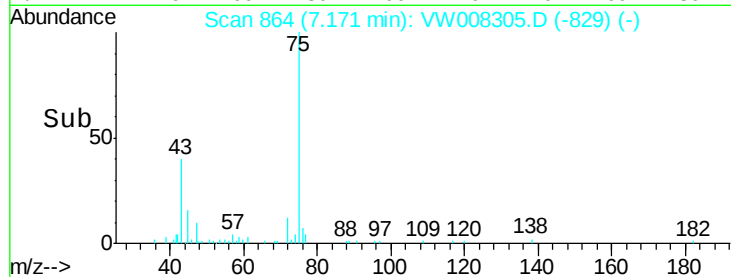
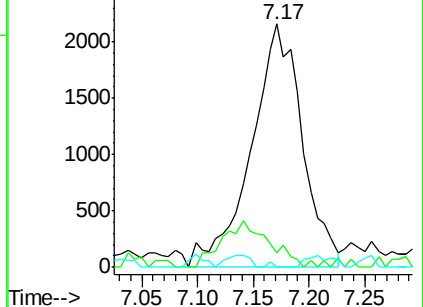
70 0.3 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.044 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008305.D

Acq: 16 Jan 2019 13:48

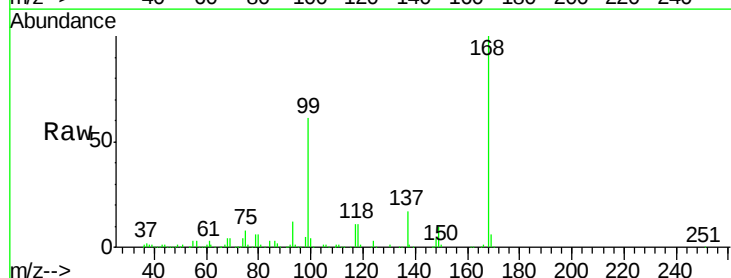
Tgt Ion: 117 Resp: 9173

Ion Ratio Lower Upper

117 100

119 7.5 75.8 113.8#

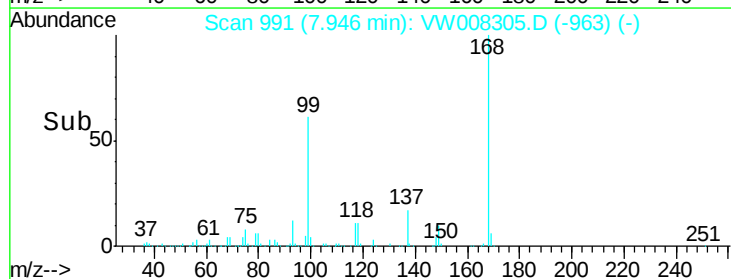
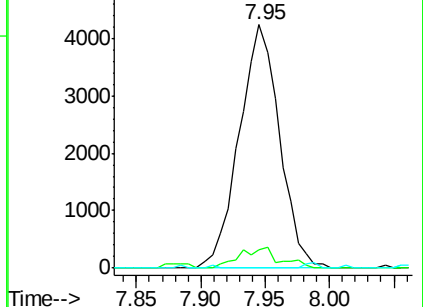
121 0.0 23.7 35.5#

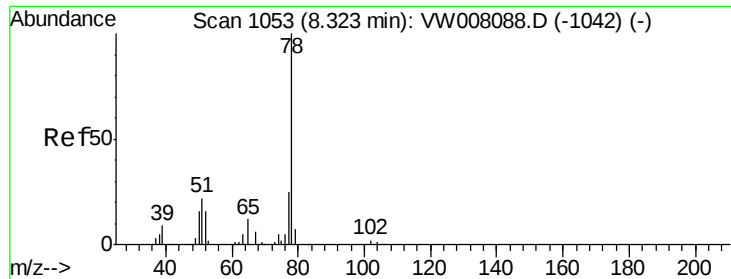


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 1.604 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW008305.D

Acq: 16 Jan 2019 13:48

Instrument :

MSVOA_W

ClientSampled :

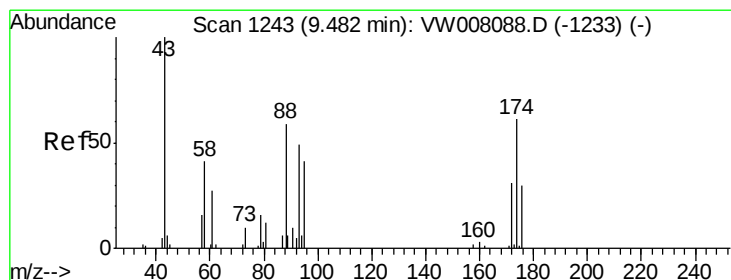
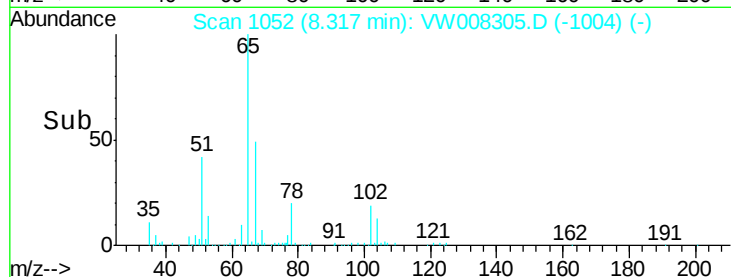
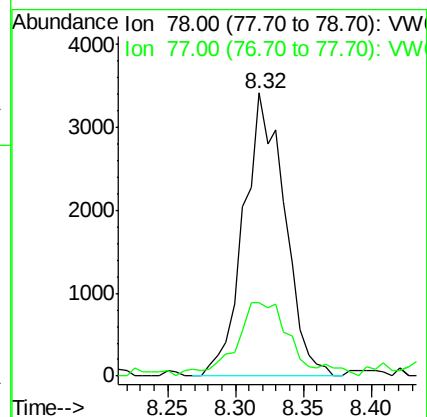
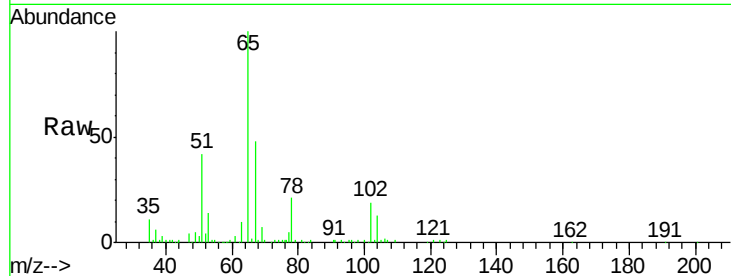
TP-4

Tot Ion: 78 Resp: 7215

Ion Ratio Lower Upper

78 100

77 23.5 20.2 30.4



#49

1,4-Dioxane

Concen: 4.883 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VW008305.D

Acq: 16 Jan 2019 13:48

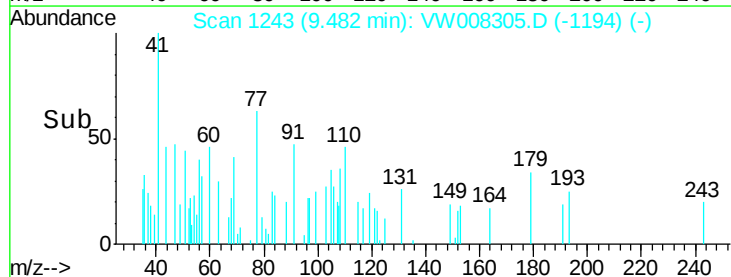
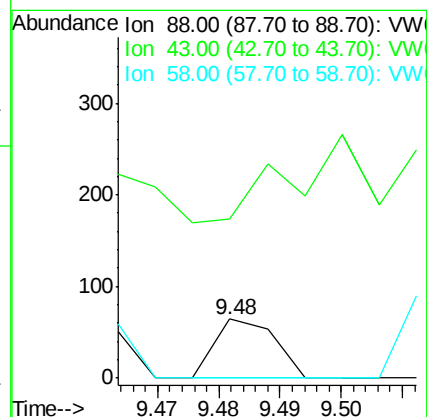
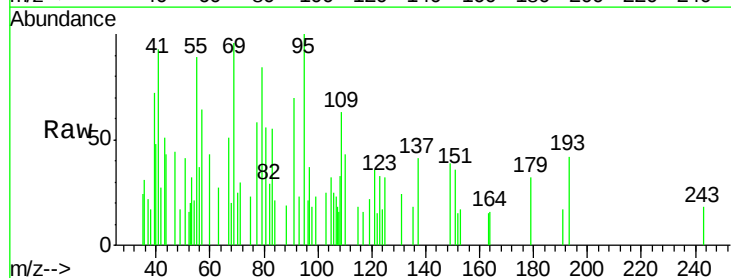
Tgt Ion: 88 Resp: 43

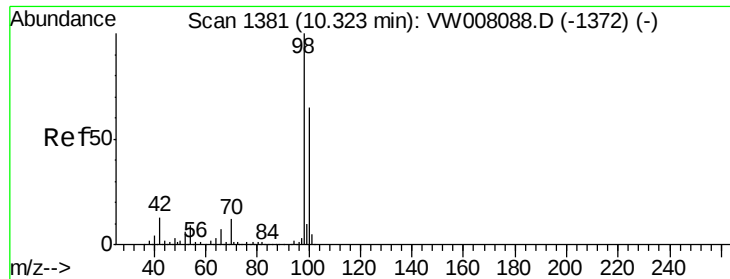
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 61.7 92.5#

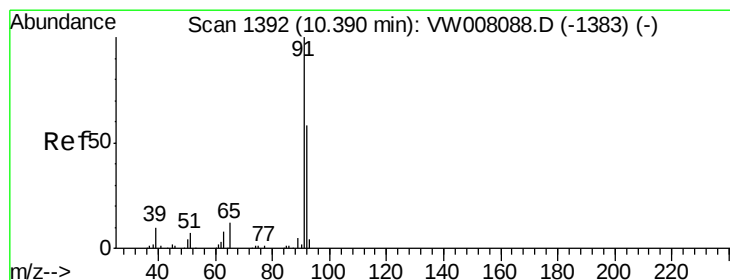
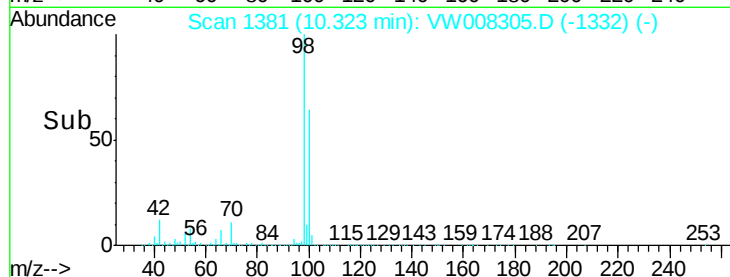
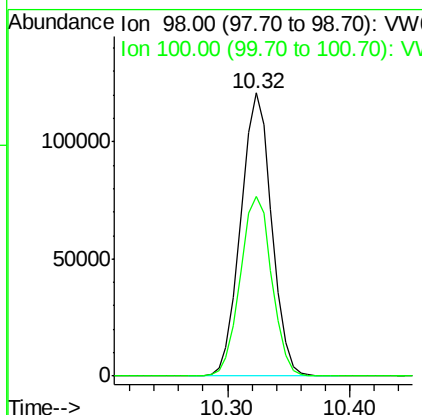
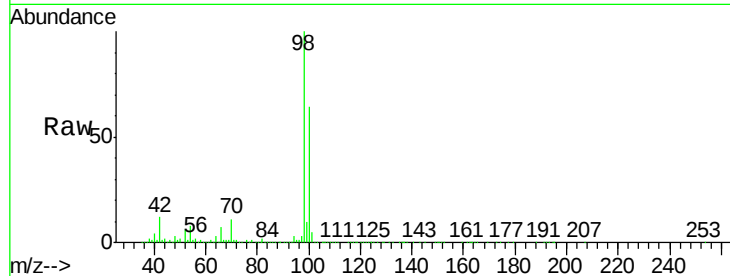




#50
Toluene-d8
Concen: 53.618 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008305.D
Acq: 16 Jan 2019 13:48

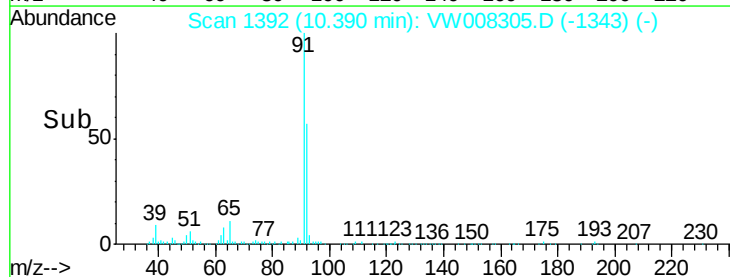
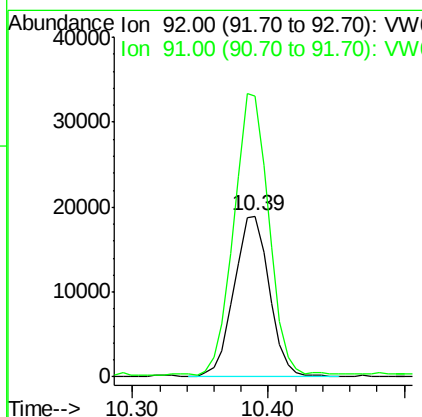
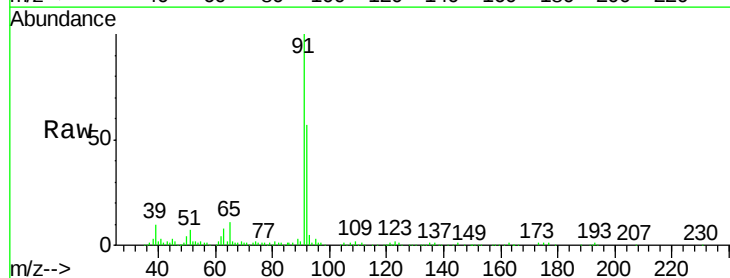
Instrument :
MSVOA_W
ClientSampled :
TP-4

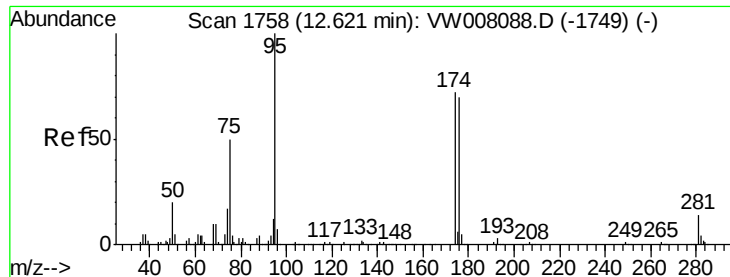
Tot Ion: 98 Resp: 211229
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



#52
Toluene
Concen: 11.949 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW008305.D
Acq: 16 Jan 2019 13:48

Tgt Ion: 92 Resp: 34319
Ion Ratio Lower Upper
92 100
91 173.6 137.0 205.4

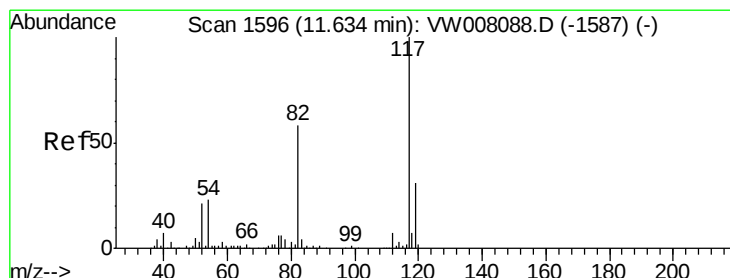
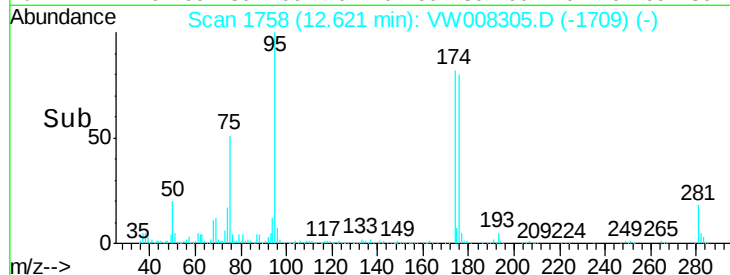
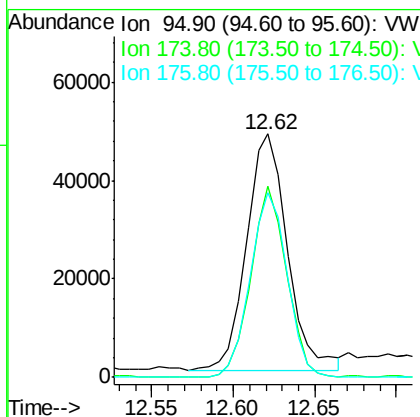
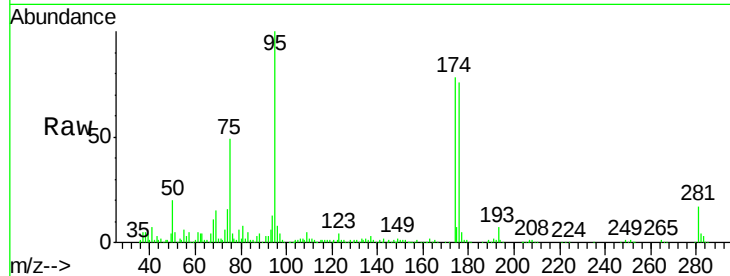




#62
4-Bromofluorobenzene
Concen: 59.007 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008305.D
Acq: 16 Jan 2019 13:48

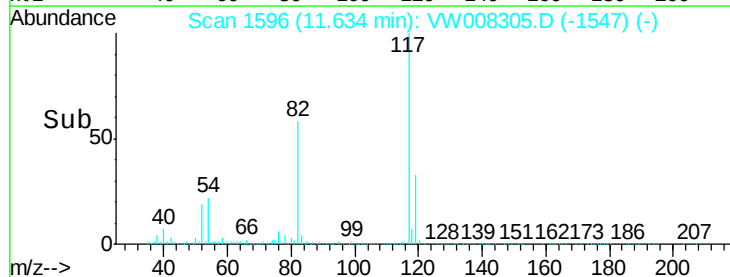
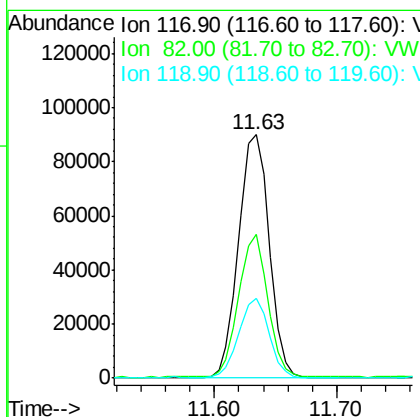
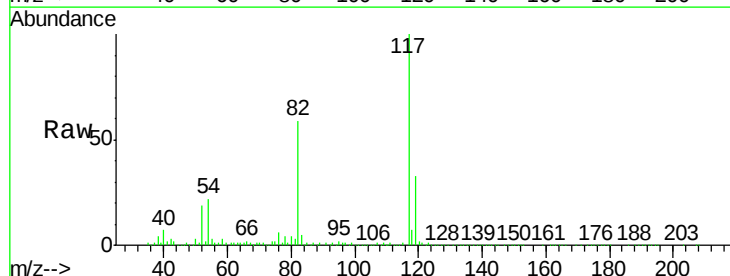
Instrument :
MSVOA_W
ClientSampleId :
TP-4

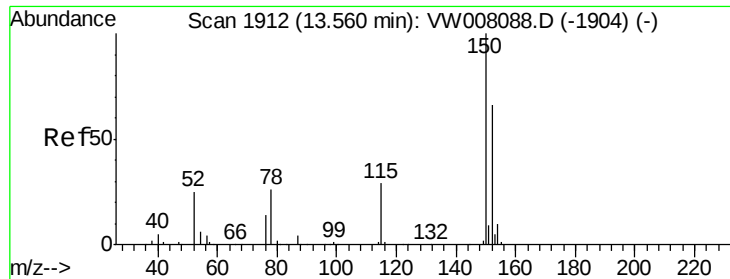
Tot Ion: 95 Resp: 83335
Ion Ratio Lower Upper
95 100
174 71.0 0.0 143.0
176 71.5 0.0 140.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008305.D
Acq: 16 Jan 2019 13:48

Tgt Ion: 117 Resp: 156869
Ion Ratio Lower Upper
117 100
82 58.4 46.4 69.6
119 32.5 24.7 37.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008305.D

Acq: 16 Jan 2019 13:48

Instrument :

MSVOA_W

ClientSampled :

TP-4

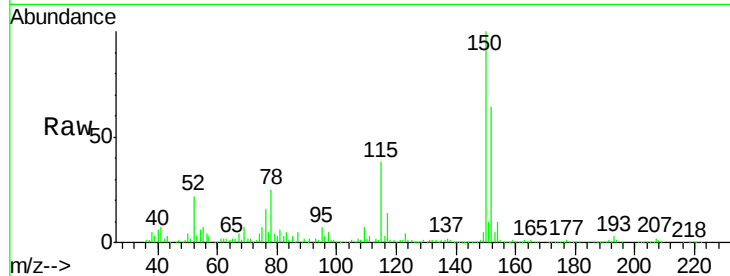
Tot Ion:152 Resp: 79115

Ion Ratio Lower Upper

152 100

115 54.8 30.8 92.4

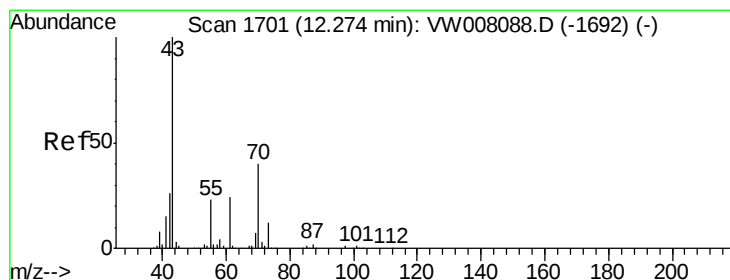
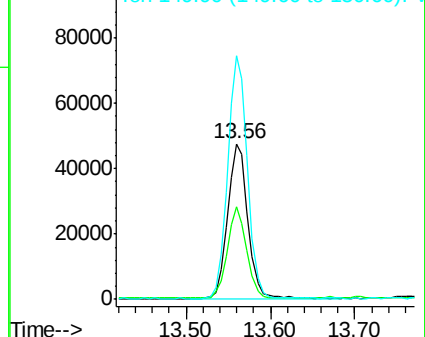
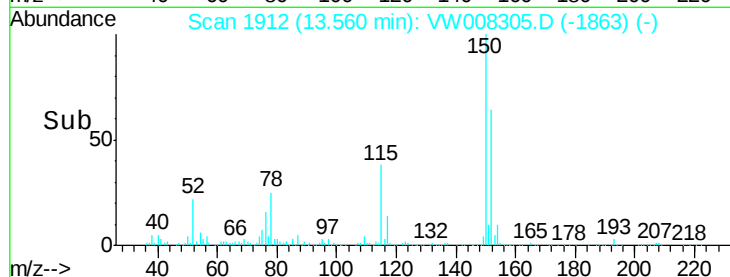
150 149.7 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.551 ug/l

RT: 12.23 min Scan# 1694

Delta R.T. -0.04 min

Lab File: VW008305.D

Acq: 16 Jan 2019 13:48

Tgt Ion: 43 Resp: 2133

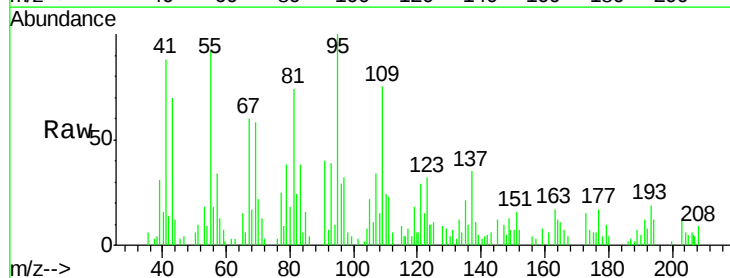
Ion Ratio Lower Upper

43 100

70 9.4 32.4 48.6#

55 27.1 18.7 28.1

61 2.6 19.0 28.6#

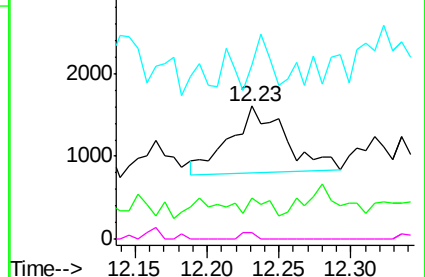
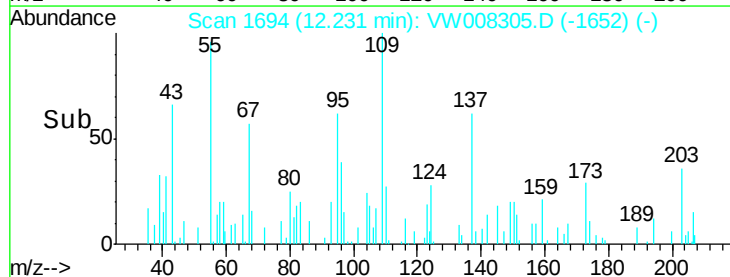


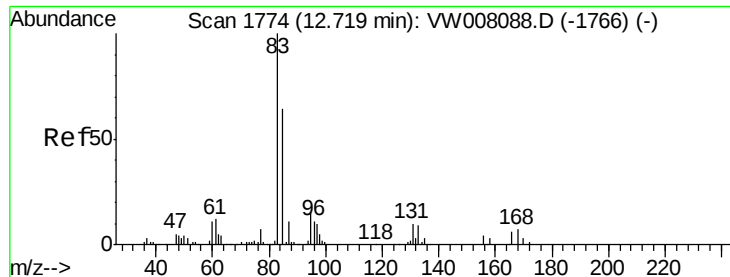
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 17.281 ug/l

RT: 12.69 min Scan# 1769

Delta R.T. -0.03 min

Lab File: VW008305.D

Acq: 16 Jan 2019 13:48

Instrument :

MSVOA_W

ClientSampled :

TP-4

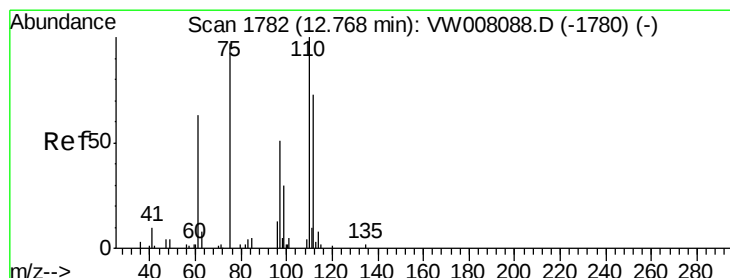
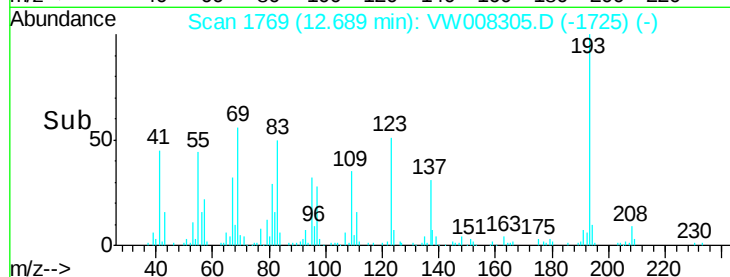
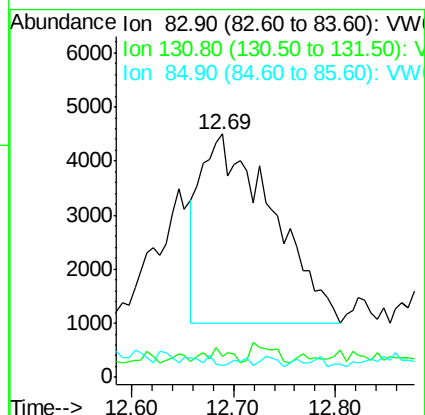
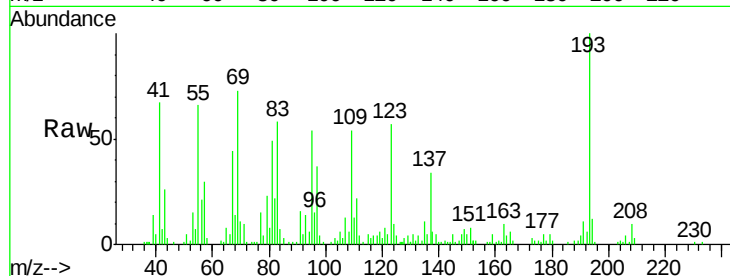
Tot Ion: 83 Resp: 17181

Ion Ratio Lower Upper

83 100

131 2.7 5.3 16.1#

85 0.0 32.4 97.2#



#76

1,2,3-Trichloropropane

Concen: 53.329 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008305.D

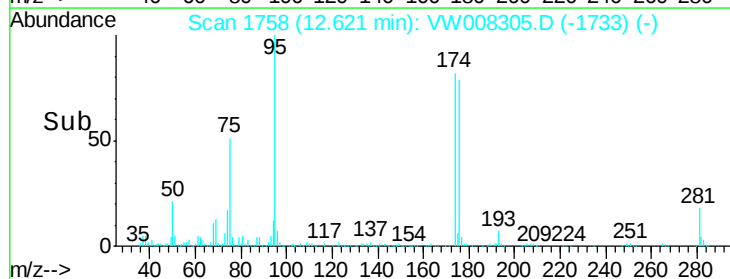
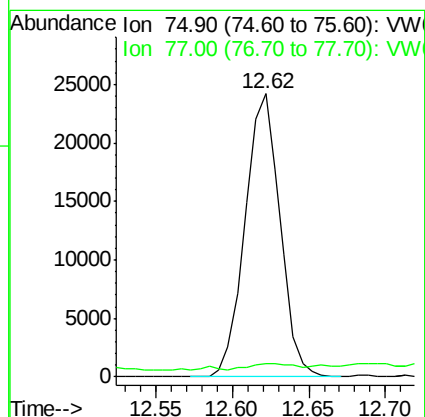
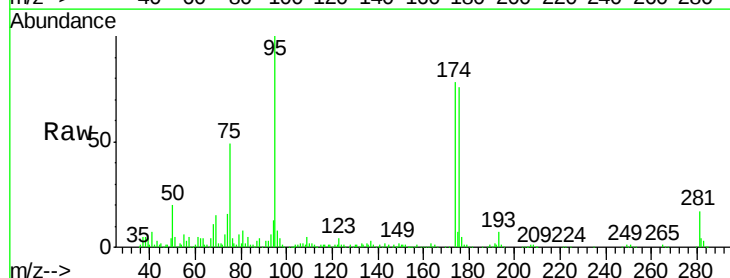
Acq: 16 Jan 2019 13:48

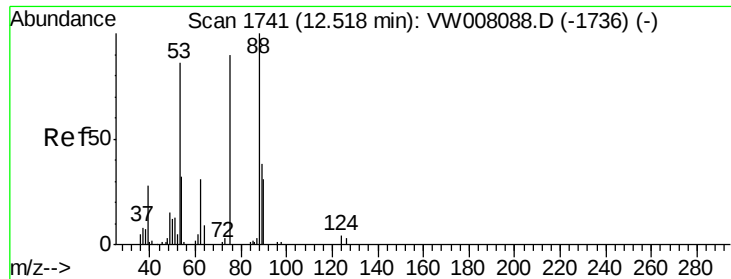
Tgt Ion: 75 Resp: 38462

Ion Ratio Lower Upper

75 100

77 2.5 179.4 538.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.187 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW008305.D
 Acq: 16 Jan 2019 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4

Tot Ion: 75 Resp: 38462
 Ion Ratio Lower Upper
 75 100
 53 3.4 78.8 118.2#
 89 0.6 35.4 53.2#

