

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011619\
 Data File : VW008318.D
 Acq On : 16 Jan 2019 19:37
 Operator : SY/VA
 Sample : K1167-05
 Misc : 5.84G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 D-9

Quant Time: Jan 17 05:05:35 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	80915	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	150168	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	134803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	57196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	49854	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
35) Dibromofluoromethane	7.88	113	48677	55.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.16%	
50) Toluene-d8	10.32	98	190876	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.62	95	61435	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	

Target Compounds

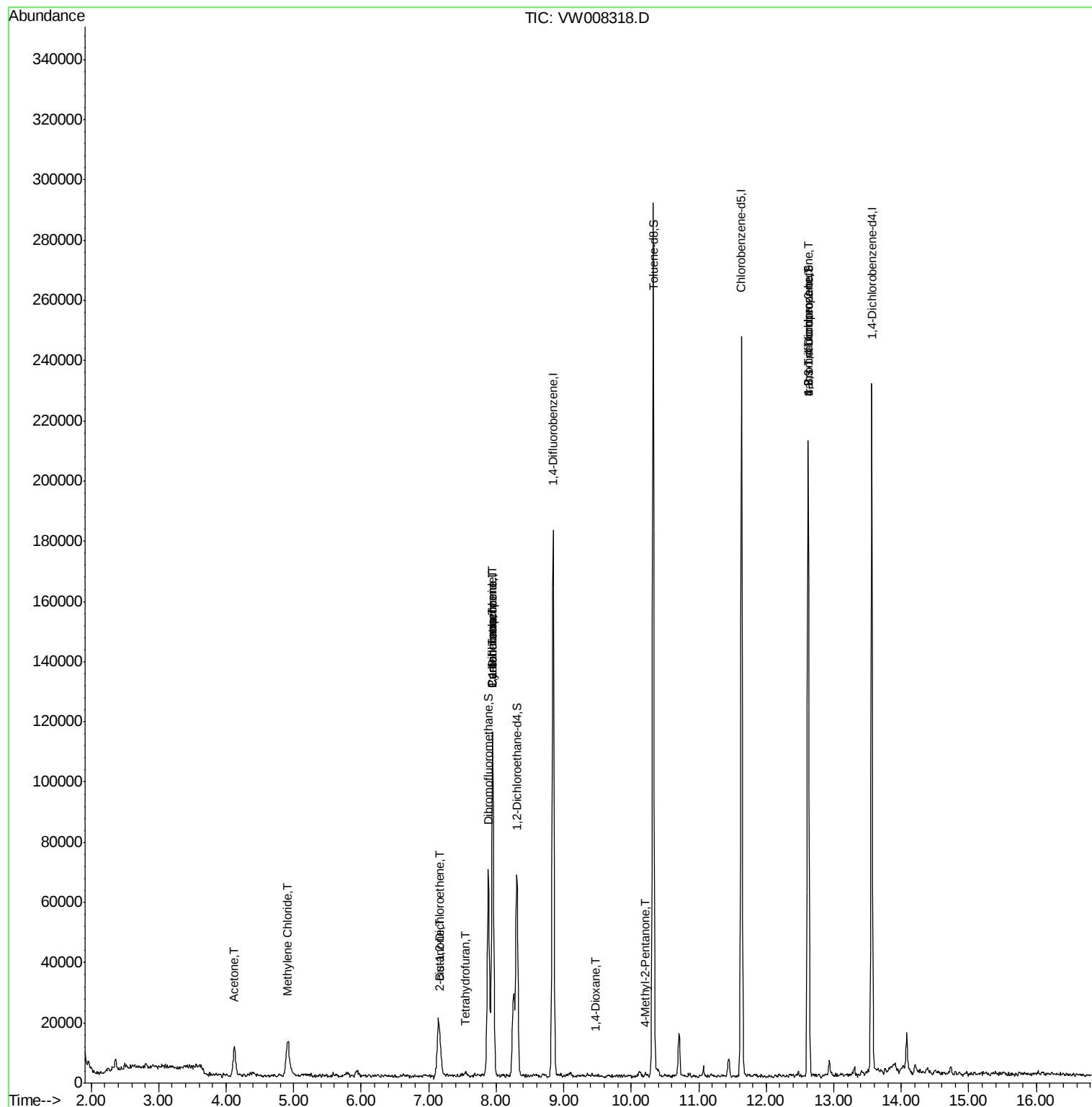
					Qvalue
11) Tert butyl alcohol	5.23	59	71	Below Cal	# 100
16) Acetone	4.12	43	16601	87.837	ug/l 96
20) Methylene Chloride	4.91	84	10144	7.215	ug/l 94
25) 2-Butanone	7.17	43	4661	18.421	ug/l # 80
27) cis-1,2-Dichloroethene	7.17	96	1816	1.728	ug/l 89
29) Tetrahydrofuran	7.54	42	648	3.834	ug/l # 78
31) Cyclohexane	7.95	56	2184	1.141	ug/l # 1
36) 1,1-Dichloropropene	7.95	75	7197	4.653	ug/l # 49
38) Carbon Tetrachloride	7.95	117	8576	6.057	ug/l # 18
49) 1,4-Dioxane	9.48	88	22	2.678	ug/l # 1
51) 4-Methyl-2-Pentanone	10.21	43	842	1.404	ug/l # 37
76) 1,2,3-Trichloropropane	12.62	75	31261	59.955	ug/l # 1
81) trans-1,4-Dichloro-2-buten	12.62	75	31261	139.618	ug/l # 11

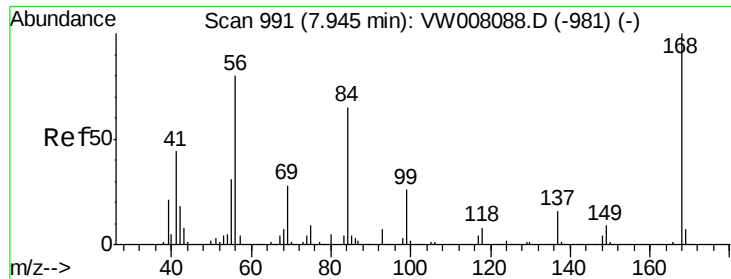
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008318.D

Acq: 16 Jan 2019 19:37

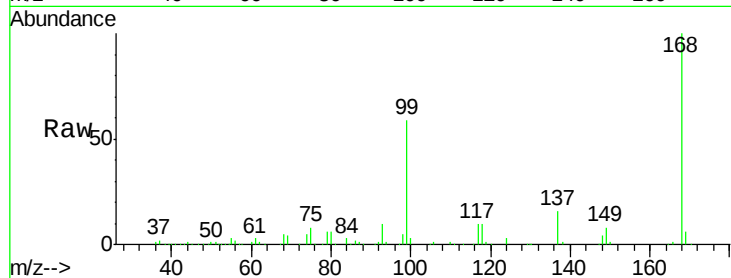
Instrument :
MSVOA_W
ClientSampled :
D-9

Tot Ion:168 Resp: 80915

Ion Ratio Lower Upper

168 100

99 59.0 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

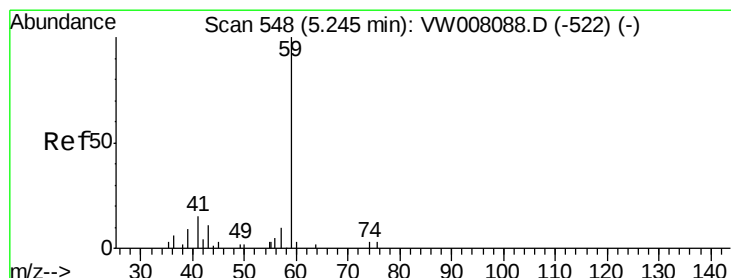
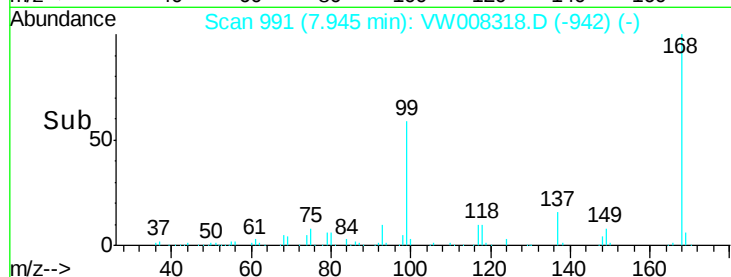
20000

10000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 546

Delta R.T. -0.01 min

Lab File: VW008318.D

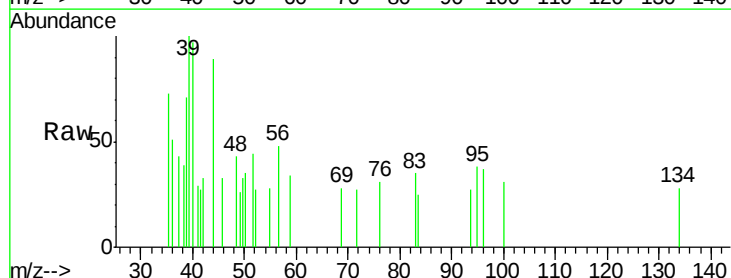
Acq: 16 Jan 2019 19:37

Tgt Ion: 59 Resp: 71

Ion Ratio Lower Upper

59 100

57 67.6 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.23

120

100

80

60

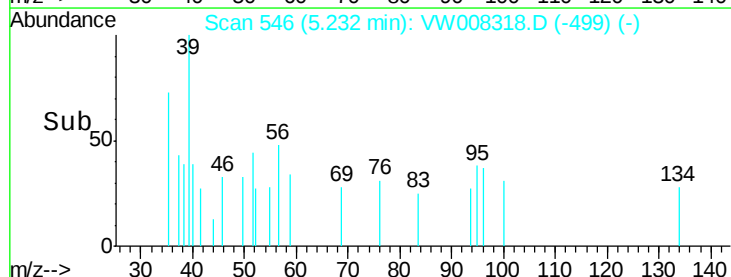
40

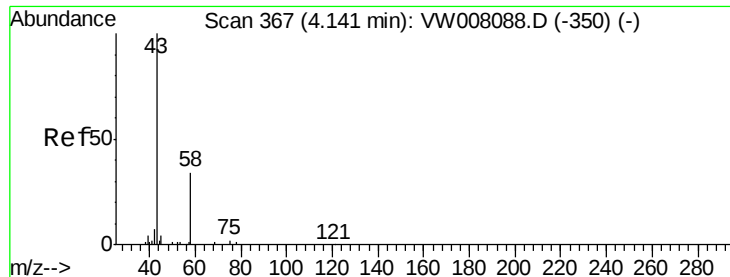
20

0

5.22 5.24 5.26

Time-->





#16

Acetone

Concen: 87.837 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW008318.D

Acq: 16 Jan 2019 19:37

Instrument :

MSVOA_W

ClientSampleId :

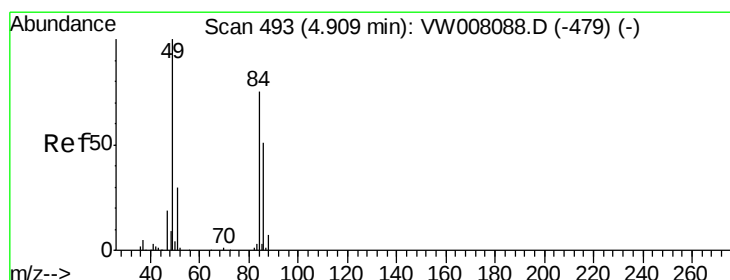
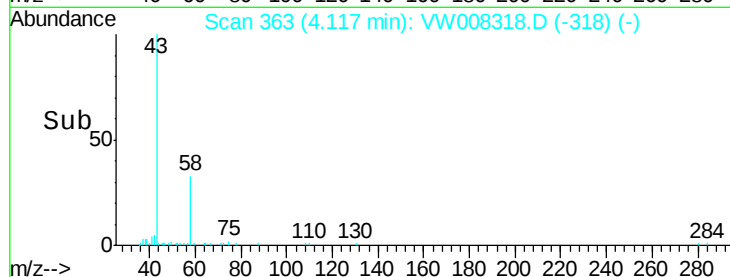
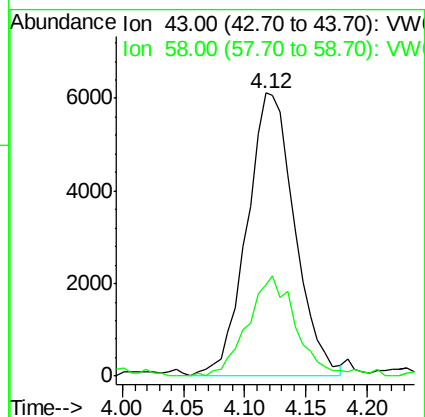
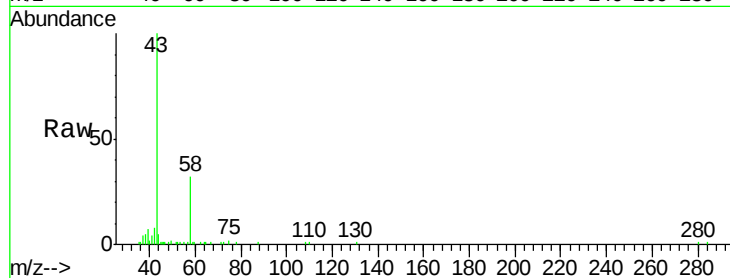
D-9

Tot Ion: 43 Resp: 16601

Ion Ratio Lower Upper

43 100

58 32.2 27.5 41.3



#20

Methylene Chloride

Concen: 7.215 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW008318.D

Acq: 16 Jan 2019 19:37

Tgt Ion: 84 Resp: 10144

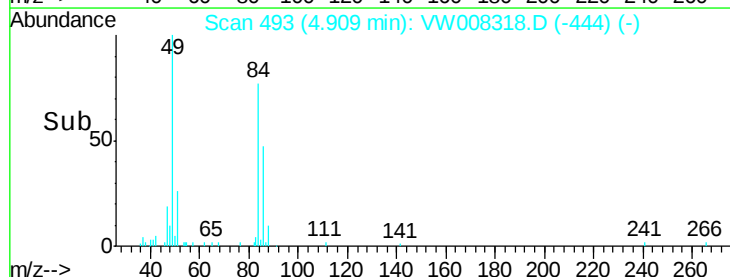
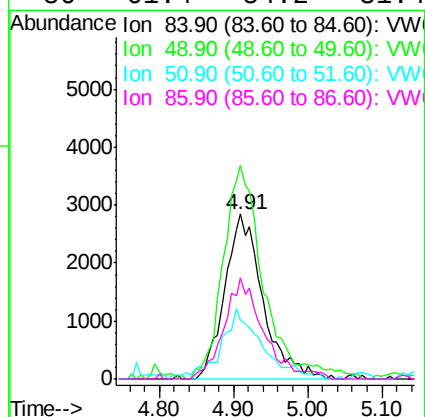
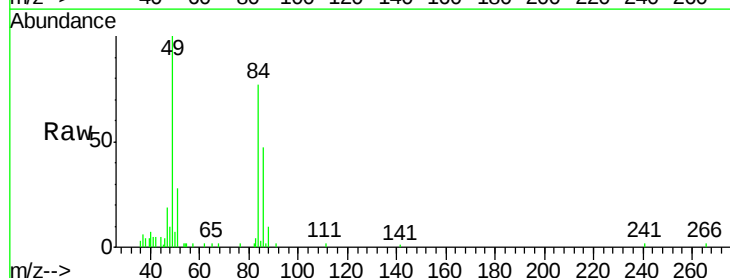
Ion Ratio Lower Upper

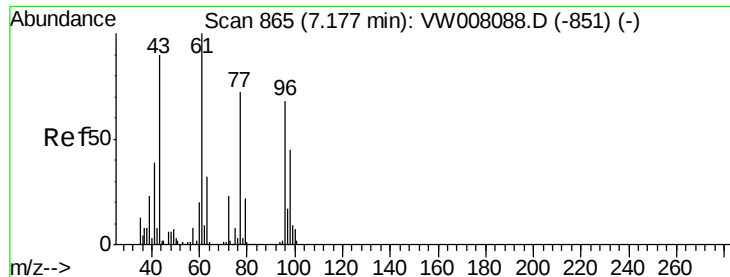
84 100

49 129.5 107.1 160.7

51 34.2 32.4 48.6

86 61.4 54.2 81.4





#25

2-Butanone

Concen: 18.421 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW008318.D

Acq: 16 Jan 2019 19:37

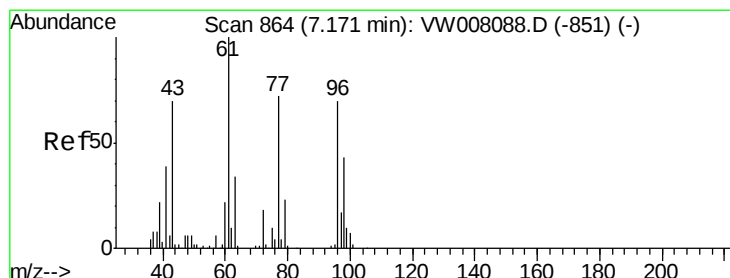
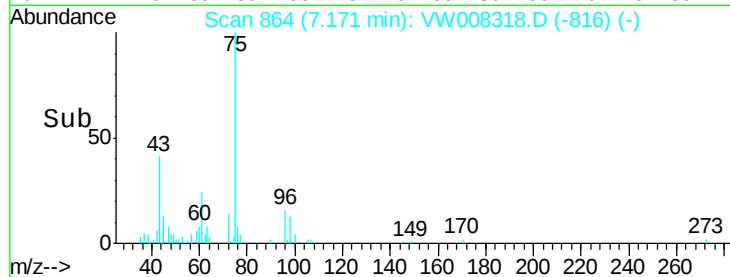
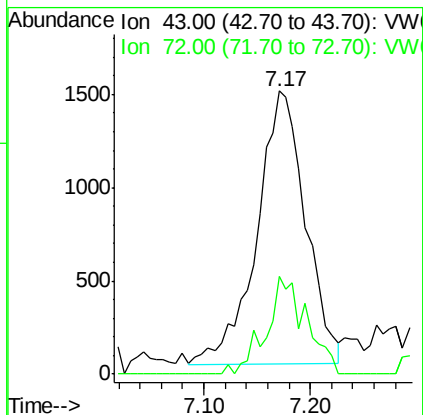
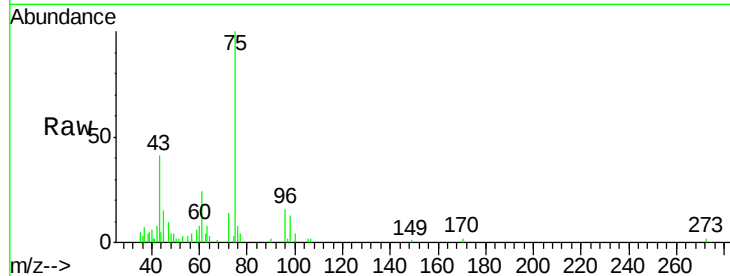
Instrument :
MSVOA_W
ClientSampleId :
D-9

Tot Ion: 43 Resp: 4661

Ion Ratio Lower Upper

43 100

72 35.9 20.5 30.7#



#27

cis-1,2-Dichloroethene

Concen: 1.728 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008318.D

Acq: 16 Jan 2019 19:37

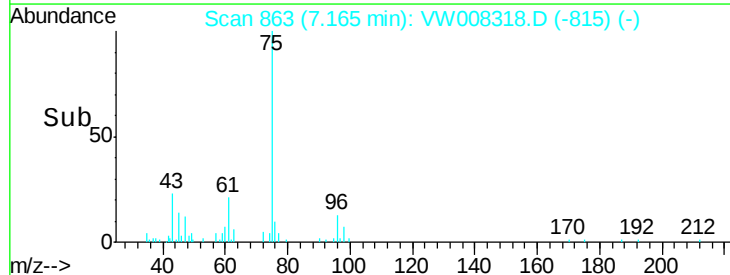
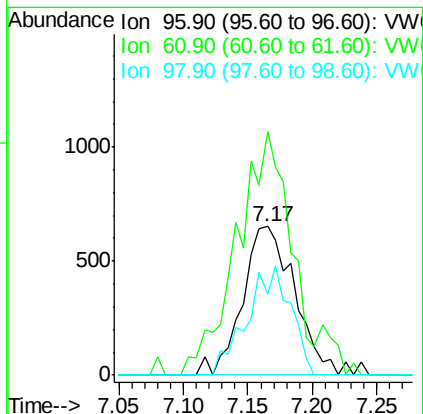
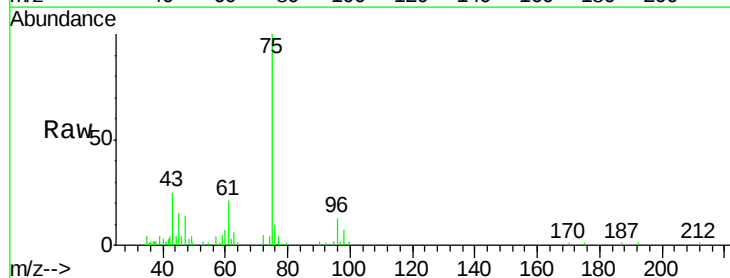
Tgt Ion: 96 Resp: 1816

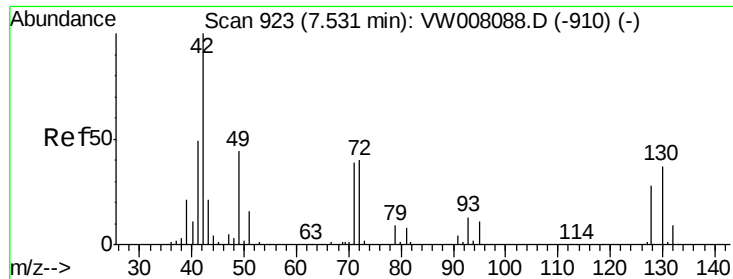
Ion Ratio Lower Upper

96 100

61 168.0 0.0 300.4

98 62.0 0.0 128.4

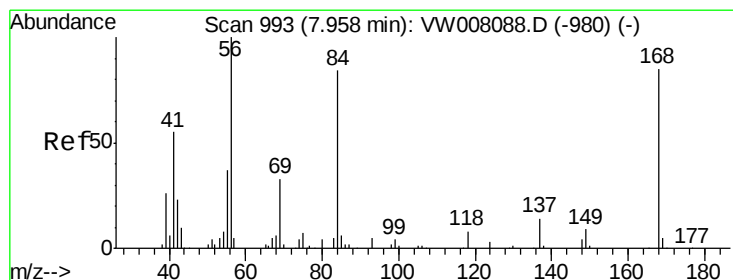
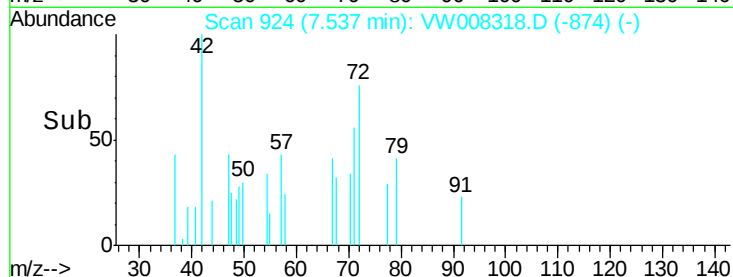
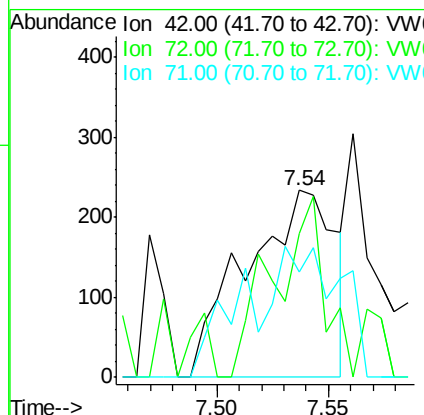
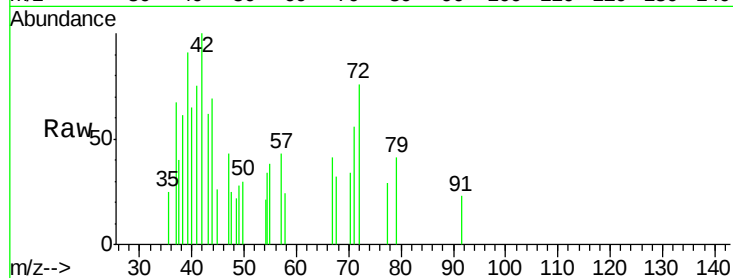




#29
Tetrahydrofuran
Concen: 3.834 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008318.D
Acq: 16 Jan 2019 19:37

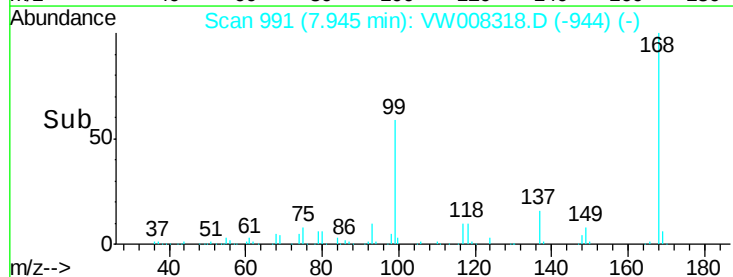
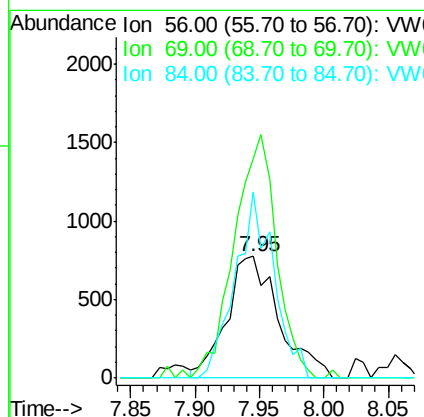
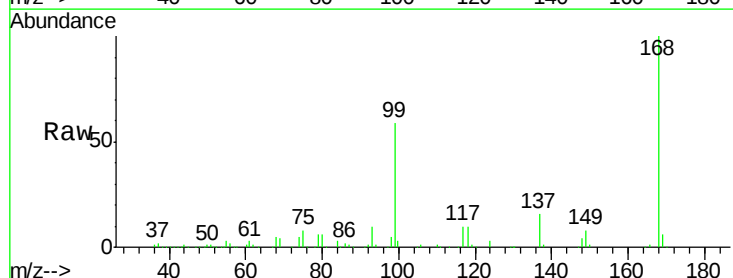
Instrument :
MSVOA_W
ClientSampled :
D-9

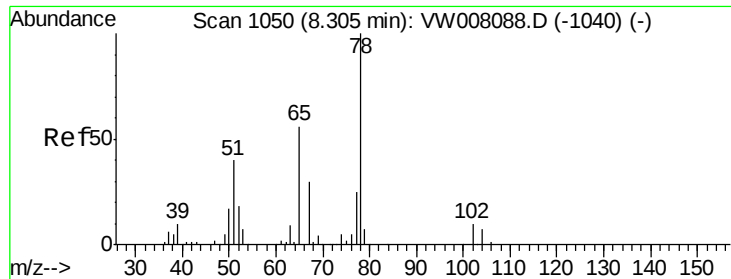
Tot Ion: 42 Resp: 648
Ion Ratio Lower Upper
42 100
72 55.9 32.4 48.6#
71 51.2 31.3 46.9#



#31
Cyclohexane
Concen: 1.141 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008318.D
Acq: 16 Jan 2019 19:37

Tgt Ion: 56 Resp: 2184
Ion Ratio Lower Upper
56 100
69 180.5 26.2 39.4#
84 153.2 67.4 101.2#





#33

1,2-Dichloroethane-d4

Concen: 54.820 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW008318.D

Acq: 16 Jan 2019 19:37

Instrument :

MSVOA_W

ClientSampled :

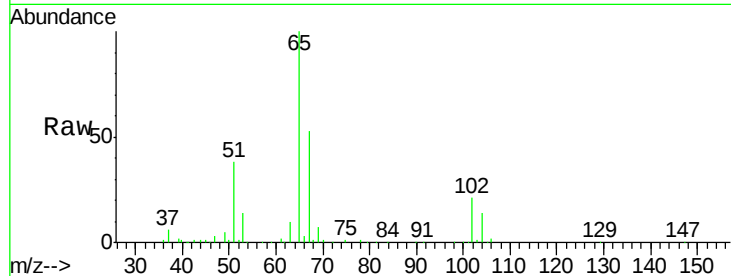
D-9

Tot Ion: 65 Resp: 49854

Ion Ratio Lower Upper

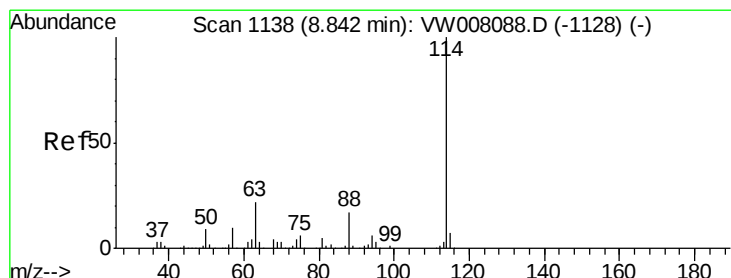
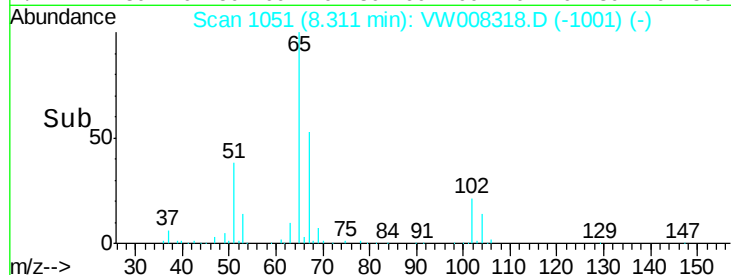
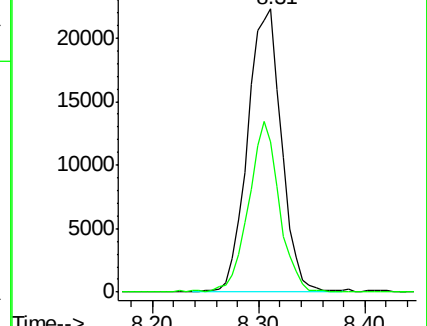
65 100

67 54.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008318.D

Acq: 16 Jan 2019 19:37

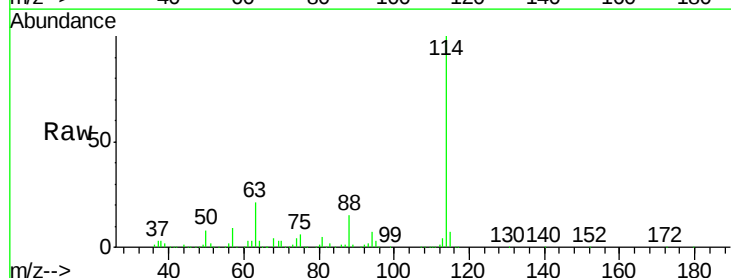
Tgt Ion: 114 Resp: 150168

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.4

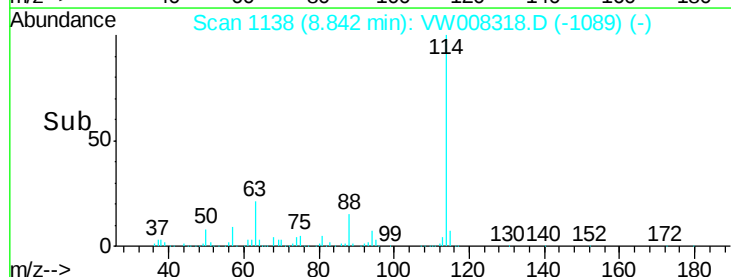
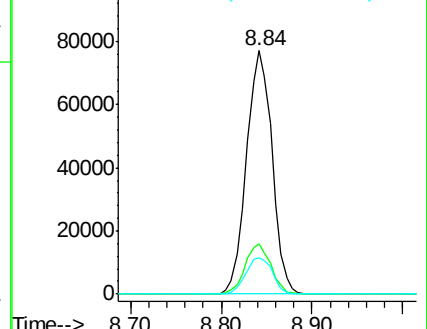
88 14.8 0.0 33.4

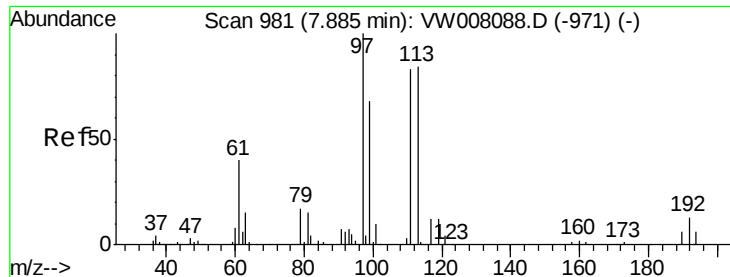


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

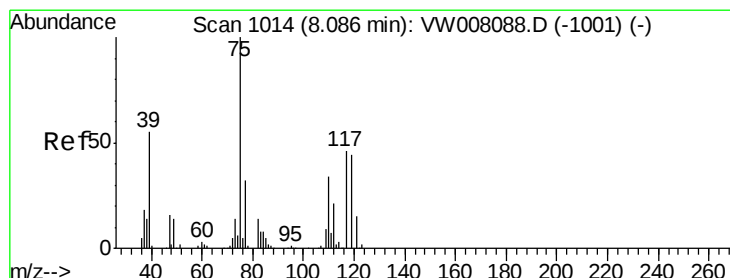
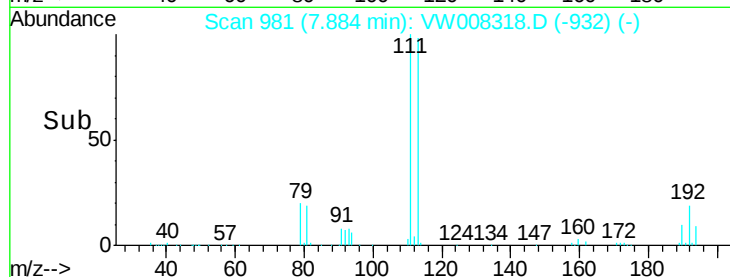
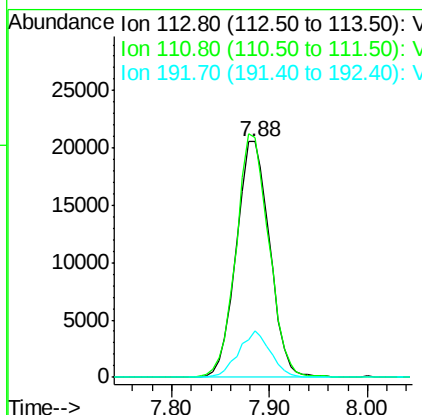
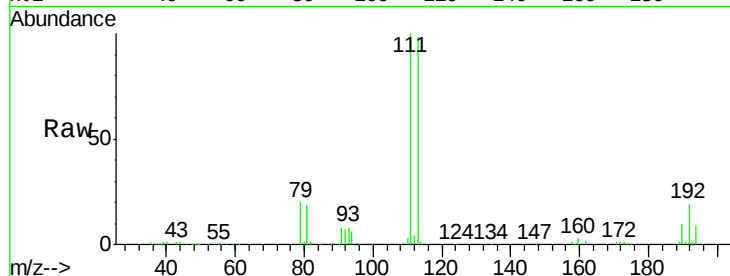




#35
Dibromofluoromethane
Concen: 55.578 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW008318.D
Acq: 16 Jan 2019 19:37

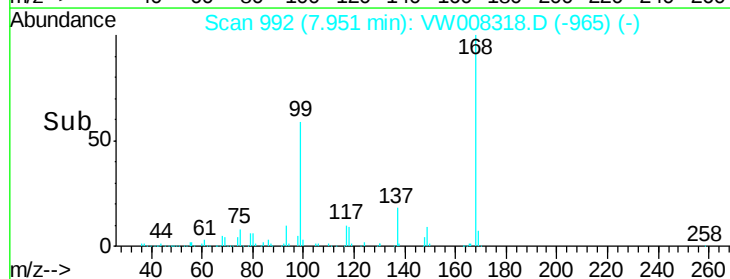
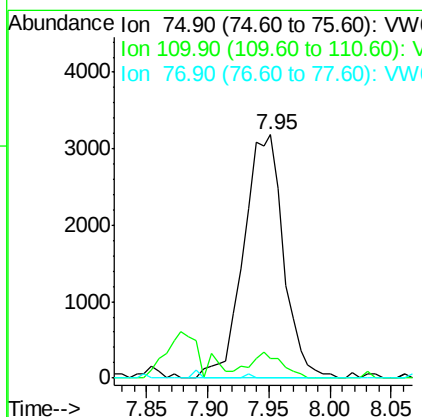
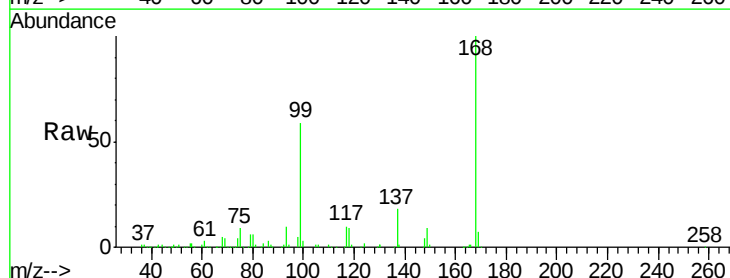
Instrument :
MSVOA_W
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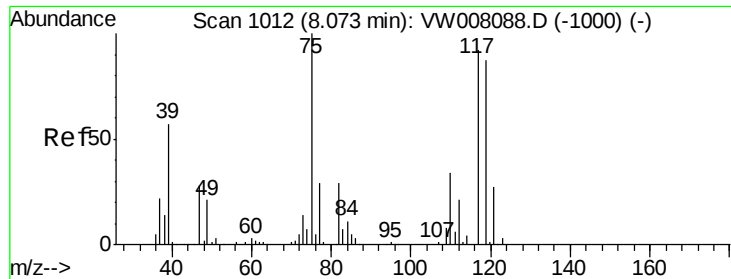
Tot Ion:113 Resp: 48677
Ion Ratio Lower Upper
113 100
111 101.7 81.8 122.8
192 18.8 12.8 19.2



#36
1,1-Dichloropropene
Concen: 4.653 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.13 min
Lab File: VW008318.D
Acq: 16 Jan 2019 19:37

Tgt Ion: 75 Resp: 7197
Ion Ratio Lower Upper
75 100
110 8.5 17.1 51.3#
77 0.3 25.5 38.3#

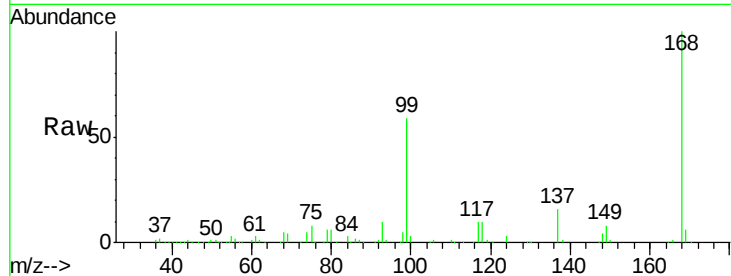




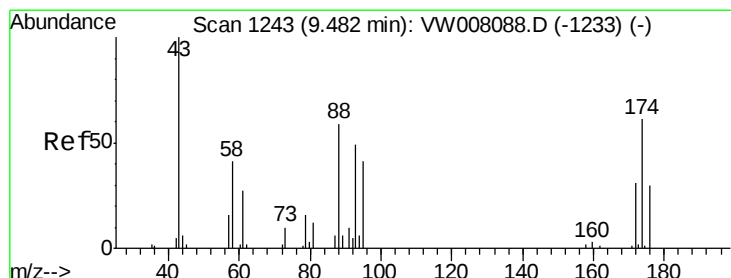
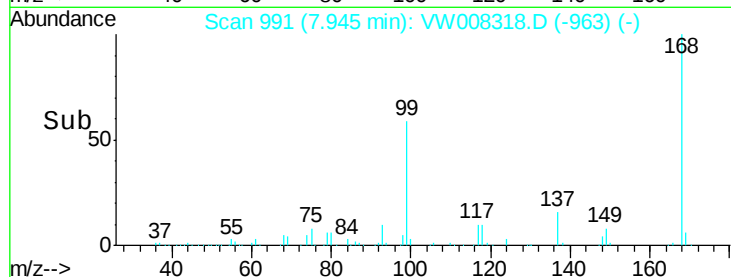
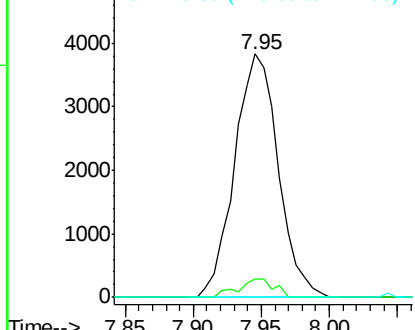
#38
Carbon Tetrachloride
Concen: 6.057 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW008318.D
Acq: 16 Jan 2019 19:37

Instrument :
MSVOA_W
ClientSampleId :
D-9

Tot Ion:117 Resp: 8576
Ion Ratio Lower Upper
117 100
119 7.4 75.8 113.8#
121 0.0 23.7 35.5#

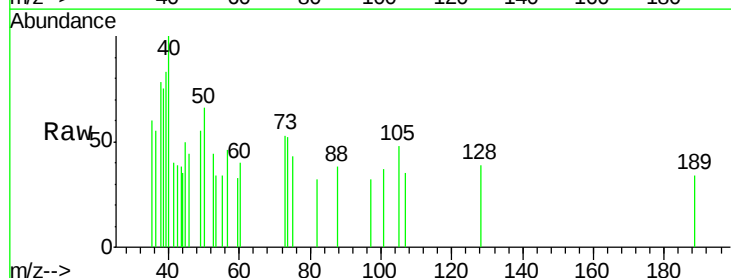


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

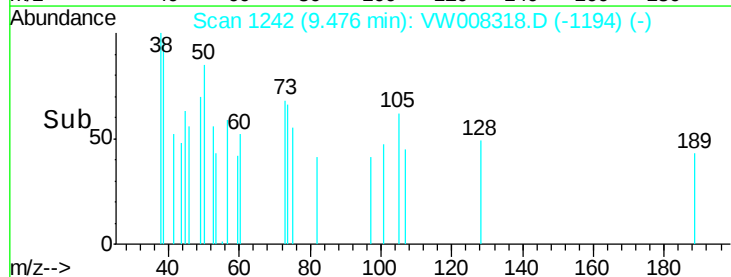
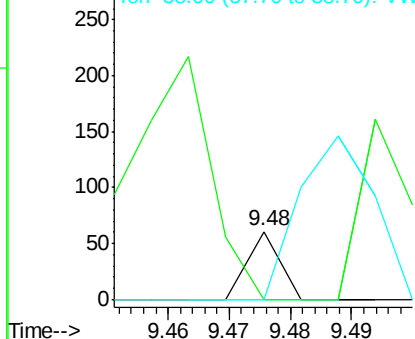


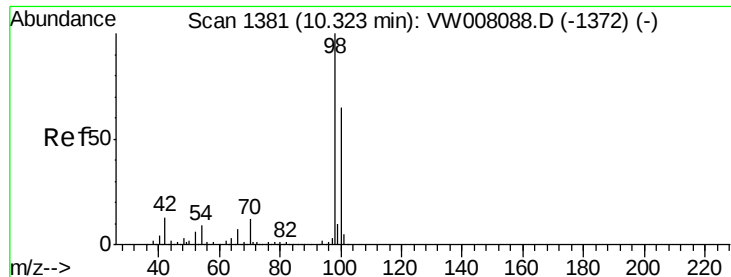
#49
1,4-Dioxane
Concen: 2.678 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VW008318.D
Acq: 16 Jan 2019 19:37

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 409.1 0.0 0.0#
58 563.6 61.7 92.5#



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: 51.934 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008318.D

Acq: 16 Jan 2019 19:37

Instrument :

MSVOA_W

ClientSampled :

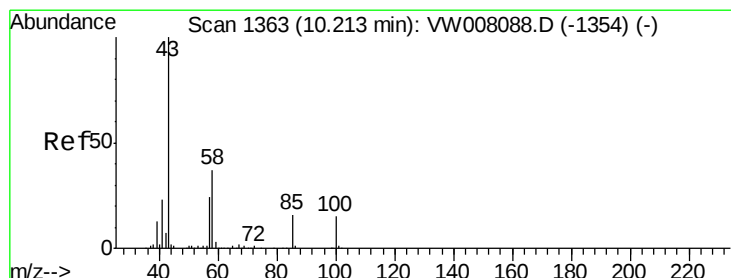
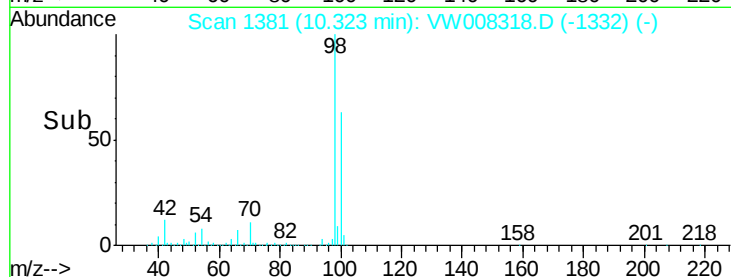
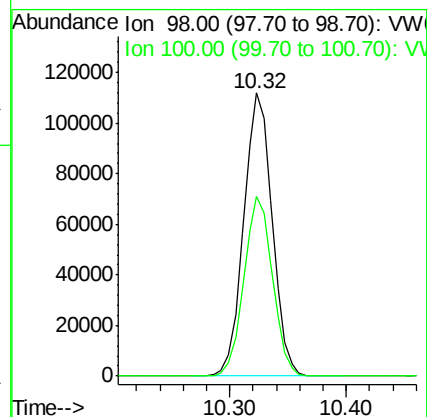
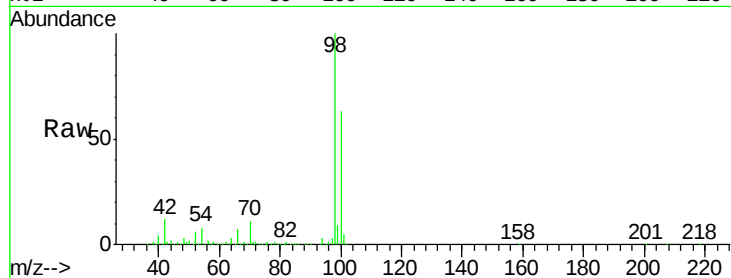
D-9

Tot Ion: 98 Resp: 190876

Ion Ratio Lower Upper

98 100

100 63.5 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 1.404 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008318.D

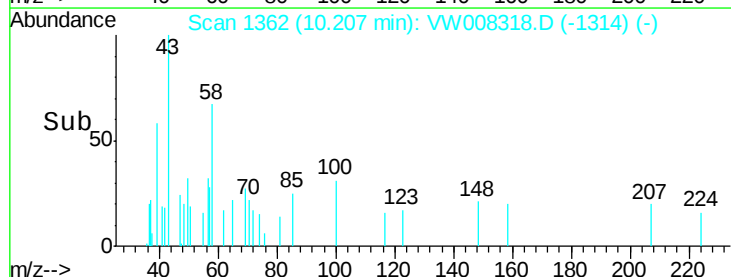
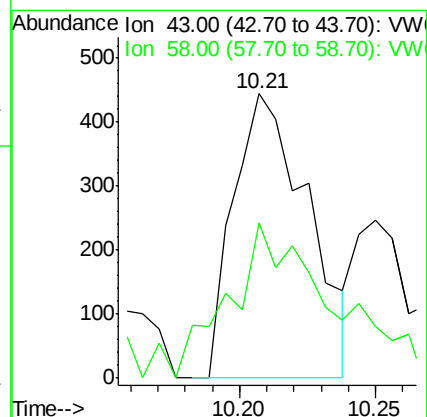
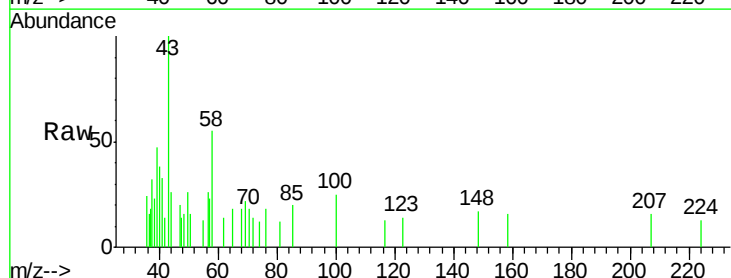
Acq: 16 Jan 2019 19:37

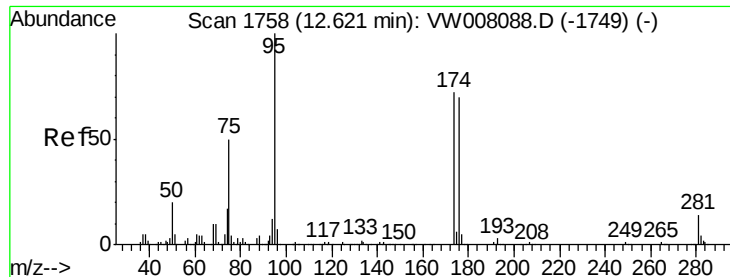
Tgt Ion: 43 Resp: 842

Ion Ratio Lower Upper

43 100

58 76.2 30.6 46.0#

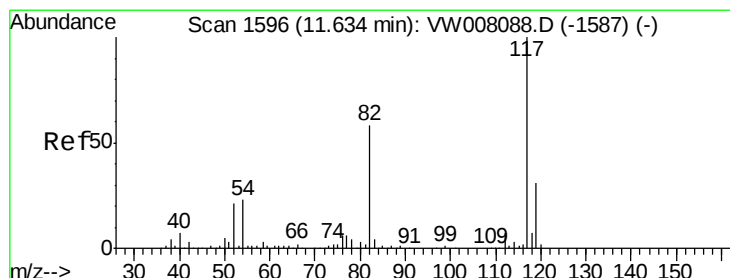
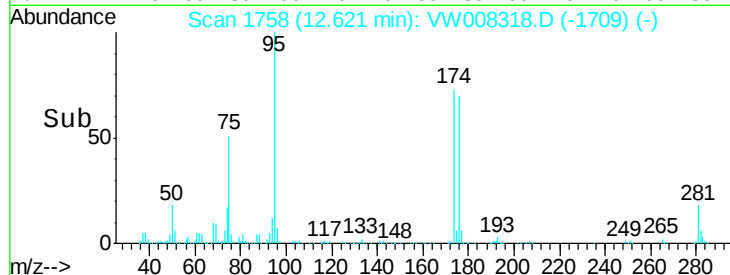
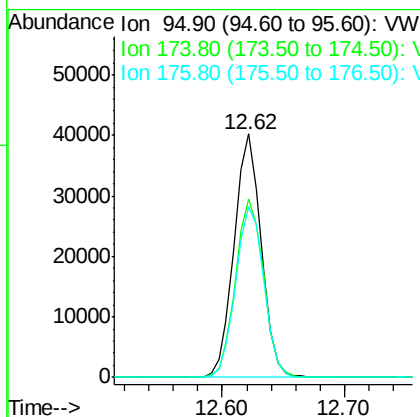
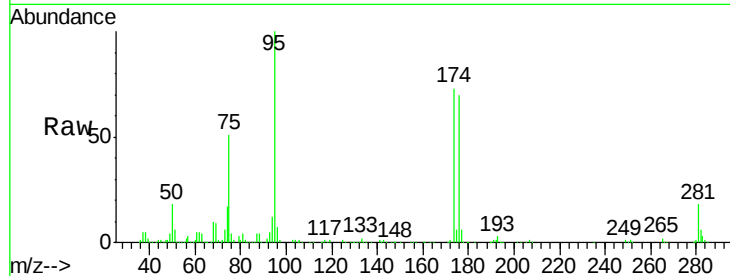




#62
4-Bromofluorobenzene
Concen: 46.626 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008318.D
Acq: 16 Jan 2019 19:37

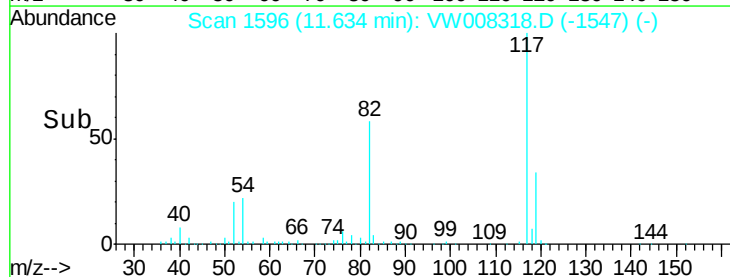
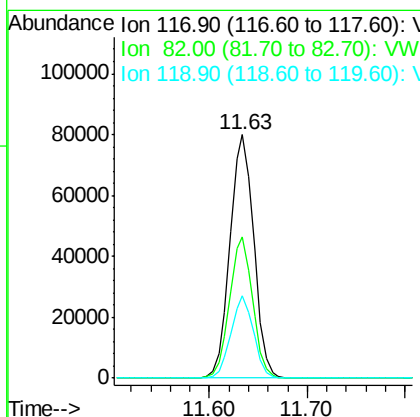
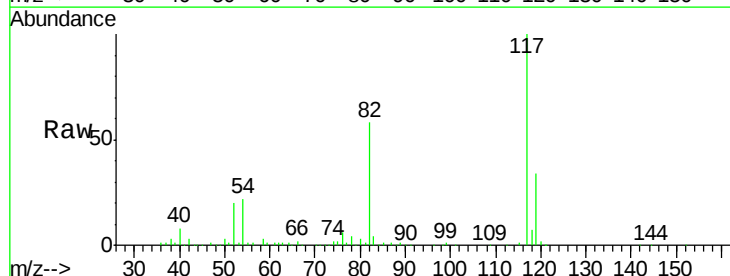
Instrument :
MSVOA_W
ClientSampled :
D-9

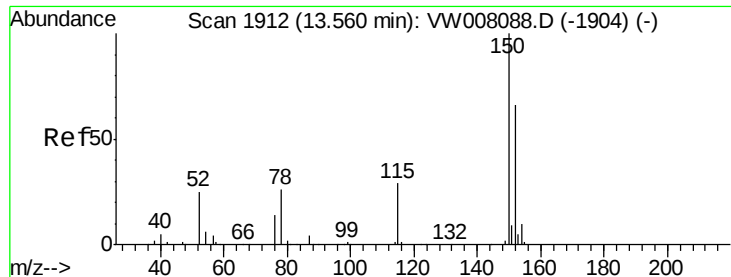
Tot Ion: 95 Resp: 61435
Ion Ratio Lower Upper
95 100
174 75.9 0.0 143.0
176 73.0 0.0 140.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008318.D
Acq: 16 Jan 2019 19:37

Tgt Ion: 117 Resp: 134803
Ion Ratio Lower Upper
117 100
82 58.1 46.4 69.6
119 33.6 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: VW008318.D

Acq: 16 Jan 2019 19:37

Instrument :

MSVOA_W

ClientSampleId :

D-9

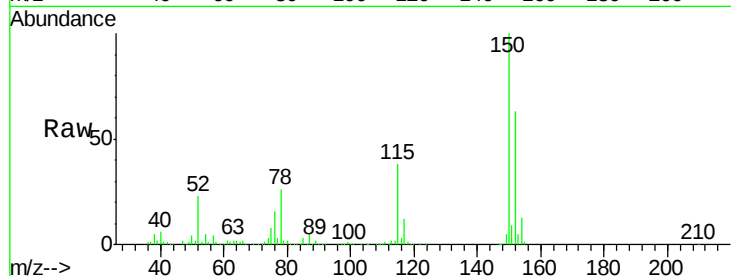
Tot Ion:152 Resp: 57196

Ion Ratio Lower Upper

152 100

115 59.6 30.8 92.4

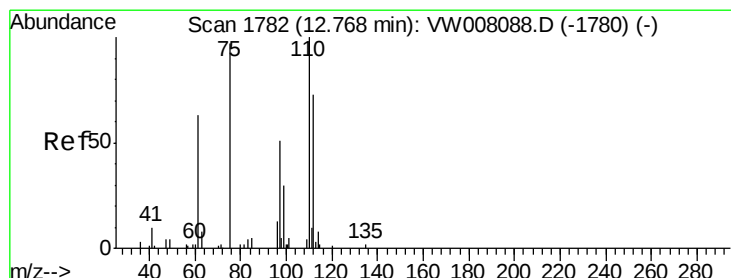
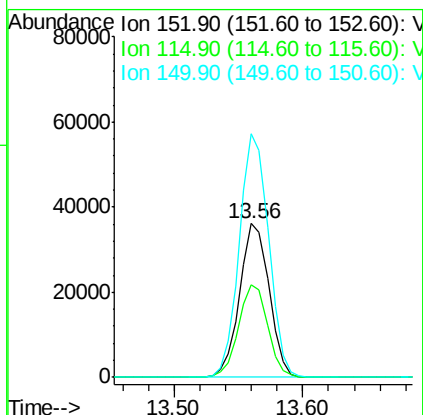
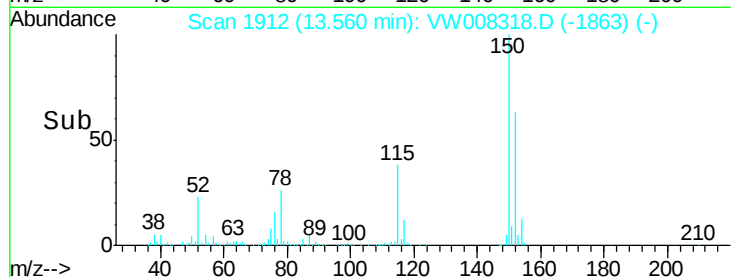
150 157.9 0.0 350.2



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



#76

1,2,3-Trichloropropane

Concen: 59.955 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008318.D

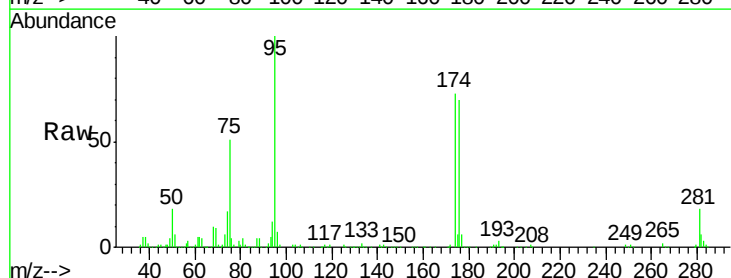
Acq: 16 Jan 2019 19:37

Tgt Ion: 75 Resp: 31261

Ion Ratio Lower Upper

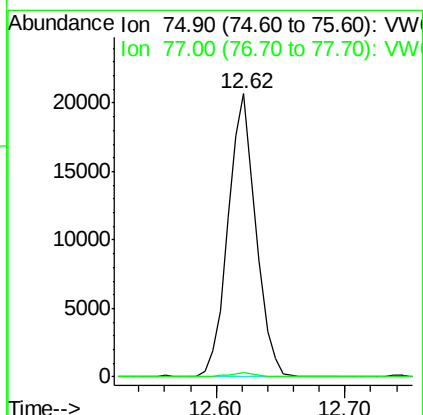
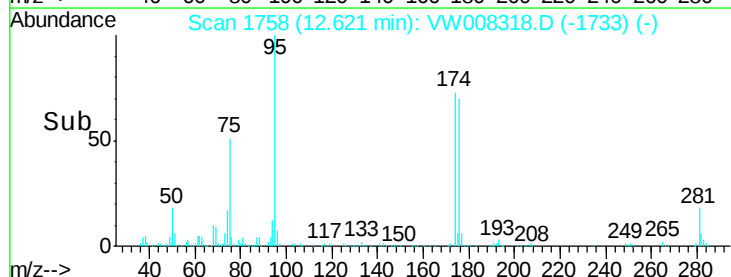
75 100

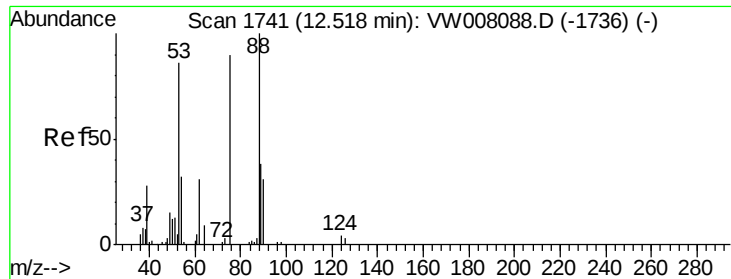
77 1.6 179.4 538.2#



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: 139.618 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008318.D

Acq: 16 Jan 2019 19:37

Instrument :

MSVOA_W

ClientSampleId :

D-9

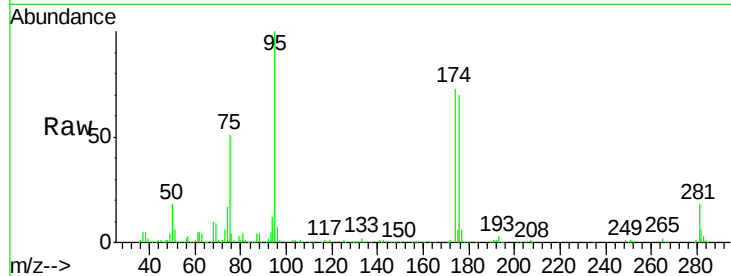
Tot Ion: 75 Resp: 31261

Ion Ratio Lower Upper

75 100

53 0.4 78.8 118.2#

89 0.8 35.4 53.2#



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

