

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
 Data File : VW008650.D
 Acq On : 13 Feb 2019 20:37
 Operator : SY/VA
 Sample : K1343-27RE
 Misc : 6.74G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-P

Quant Time: Feb 14 04:45:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	433312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	644604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	564716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	272578	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	230326	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
35) Dibromofluoromethane	7.88	113	203011	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
50) Toluene-d8	10.32	98	770773	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.62	95	265091	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	

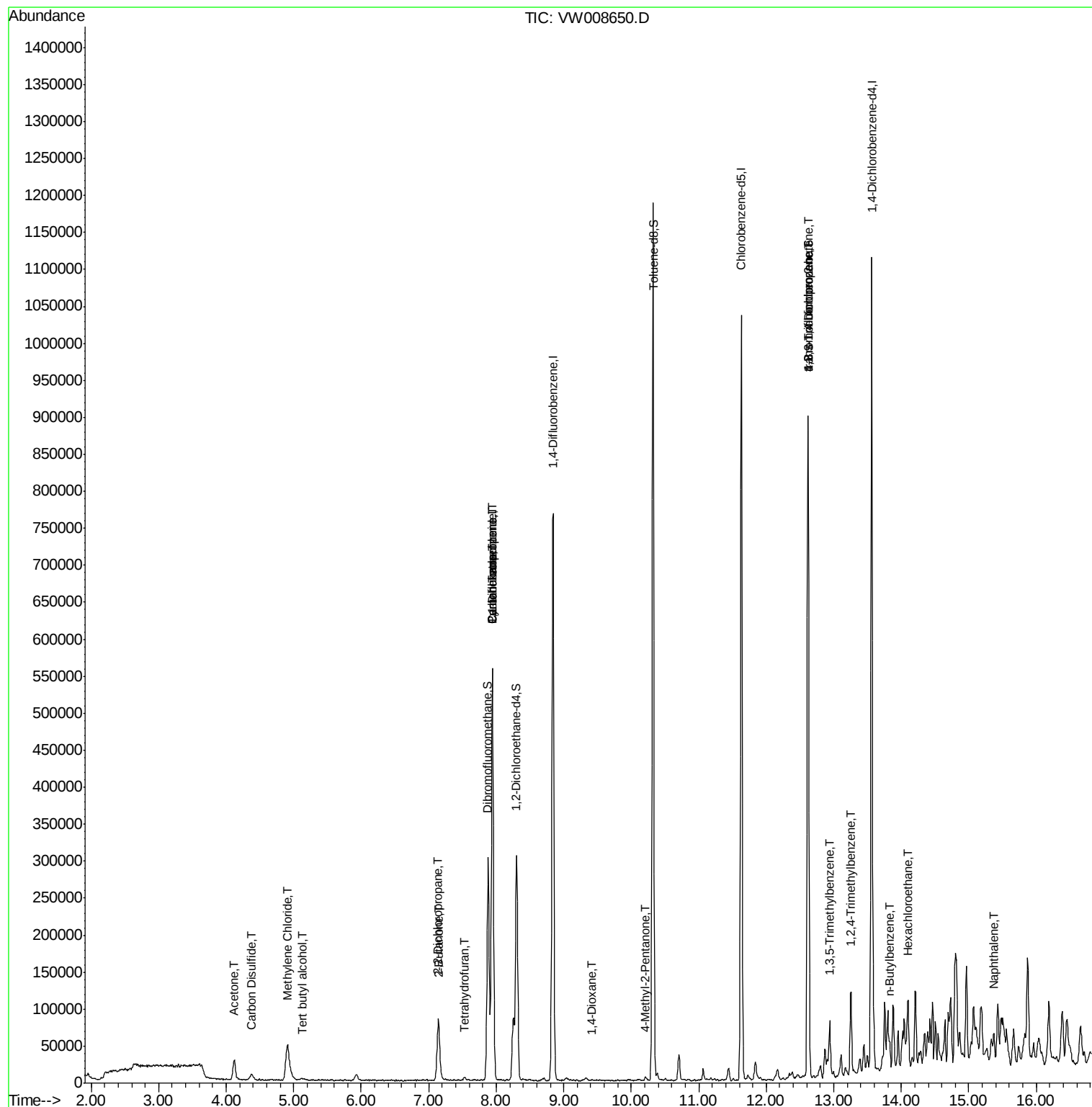
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	1531	4.248	ug/l	100
16) Acetone	4.12	43	47018	45.866	ug/l	100
17) Carbon Disulfide	4.37	76	15694	1.229	ug/l #	94
20) Methylene Chloride	4.91	84	43772	2.872	ug/l	91
25) 2-Butanone	7.15	43	8349	5.768	ug/l	94
26) 2,2-Dichloropropane	7.15	77	5666	1.111	ug/l #	54
29) Tetrahydrofuran	7.52	42	3336	3.497	ug/l	94
31) Cyclohexane	7.94	56	9639	1.170	ug/l #	5
36) 1,1-Dichloropropene	7.94	75	31429	4.853	ug/l #	51
38) Carbon Tetrachloride	7.95	117	41924	6.510	ug/l #	16
49) 1,4-Dioxane	9.41	88	59	1.533	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	3662	1.144	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	141118	52.430	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	21129	1.253	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	141118	112.291	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.25	105	61720	3.561	ug/l	100
89) n-Butylbenzene	13.83	91	19456	1.073	ug/l #	77
90) Hexachloroethane	14.10	117	4300	1.290	ug/l #	13
95) Naphthalene	15.37	128	24440	2.286	ug/l #	92

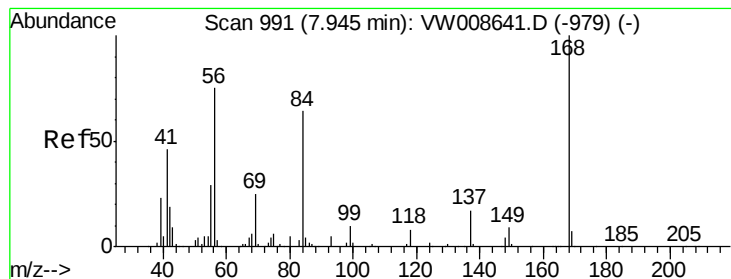
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008650.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

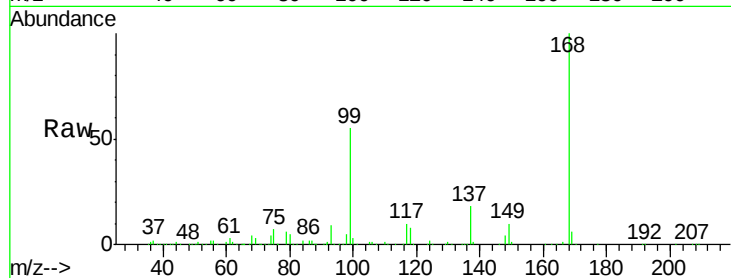
JC-02-021119-P

Tot Ion:168 Resp: 433312

Ion Ratio Lower Upper

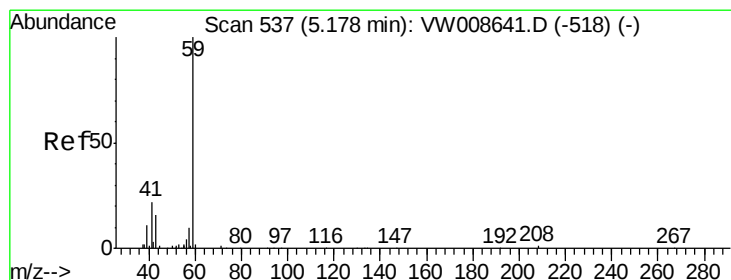
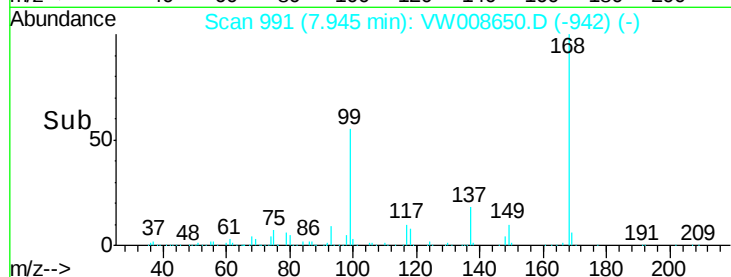
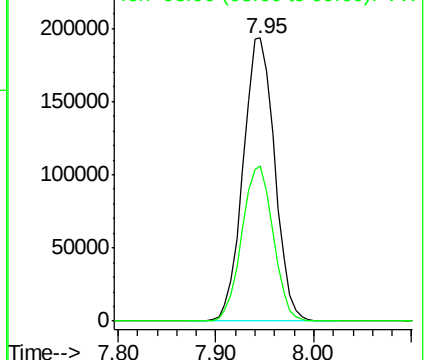
168 100

99 55.1 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 4.248 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW008650.D

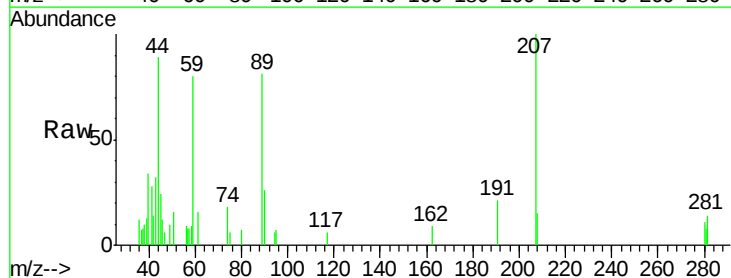
Acq: 13 Feb 2019 20:37

Tgt Ion: 59 Resp: 1531

Ion Ratio Lower Upper

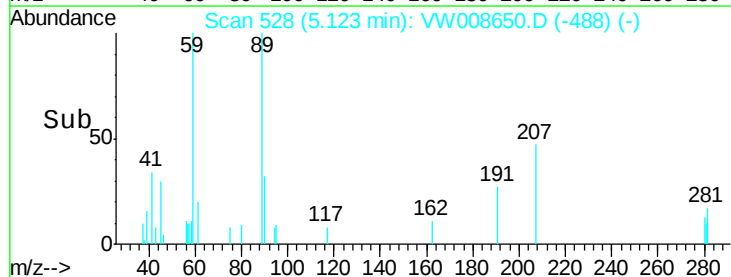
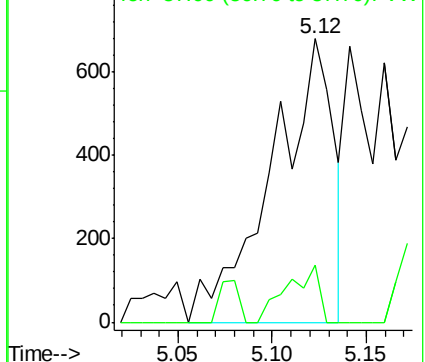
59 100

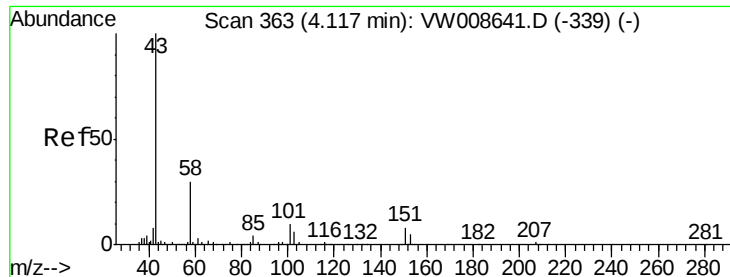
57 10.5 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 45.866 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008650.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

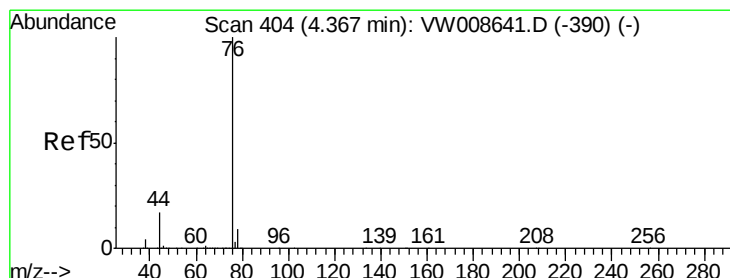
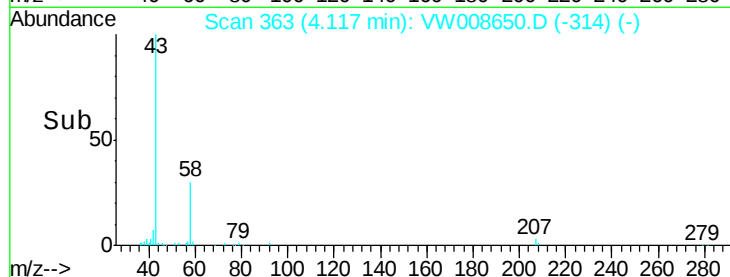
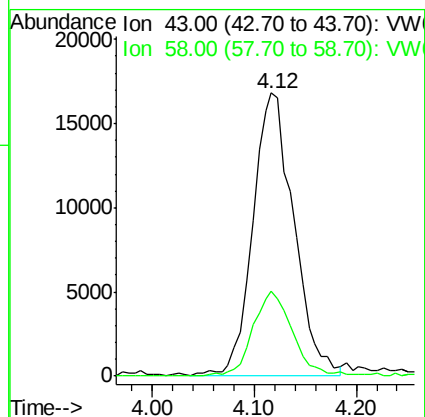
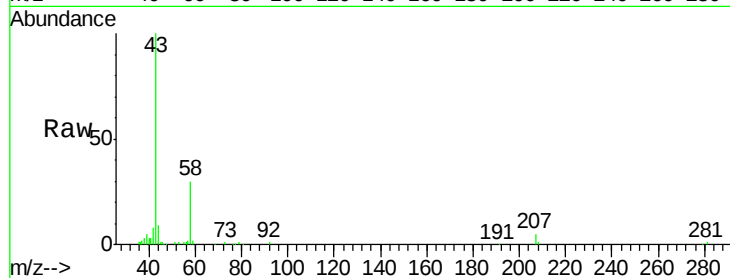
JC-02-021119-P

Tot Ion: 43 Resp: 47018

Ion Ratio Lower Upper

43 100

58 30.1 24.1 36.1



#17

Carbon Disulfide

Concen: 1.229 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW008650.D

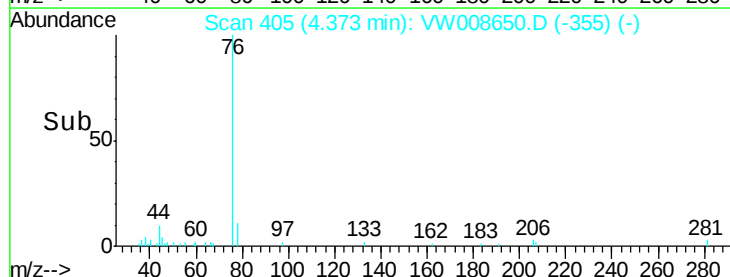
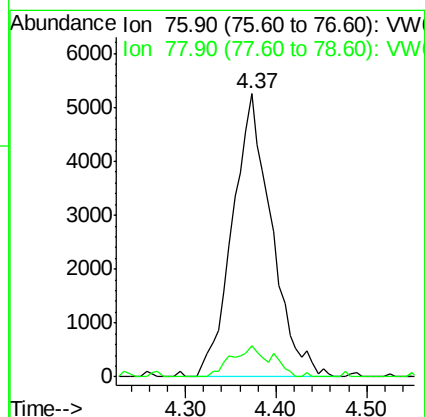
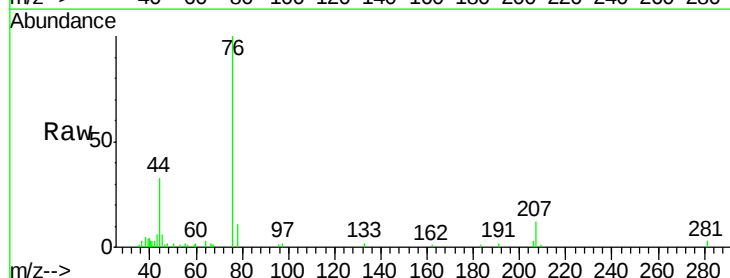
Acq: 13 Feb 2019 20:37

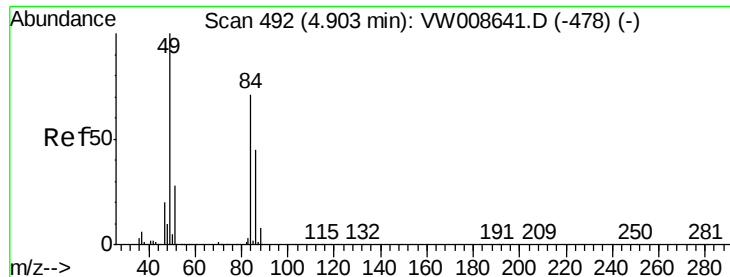
Tgt Ion: 76 Resp: 15694

Ion Ratio Lower Upper

76 100

78 11.1 7.1 10.7#

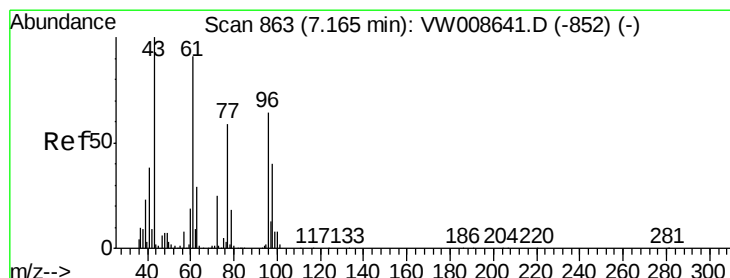
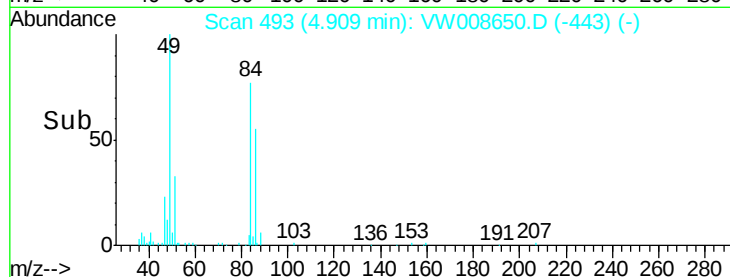
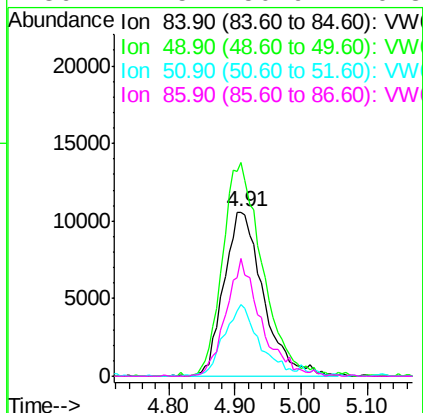
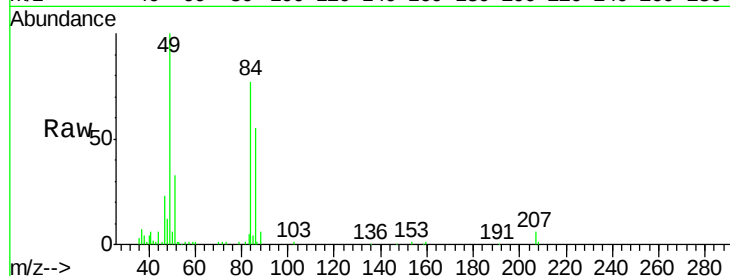




#20
Methvlene Chloride
Concen: 2.872 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008650.D
Acq: 13 Feb 2019 20:37

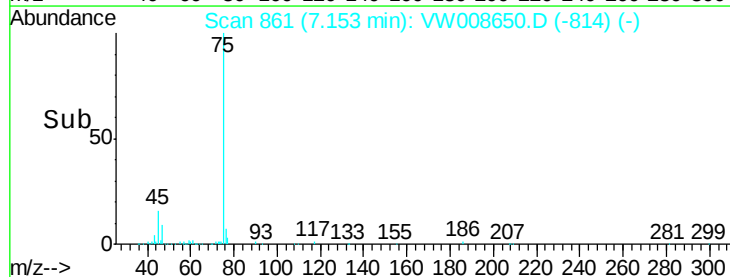
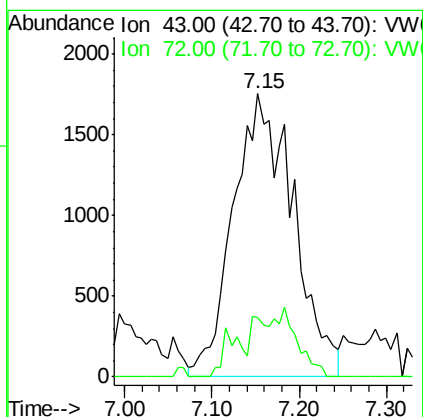
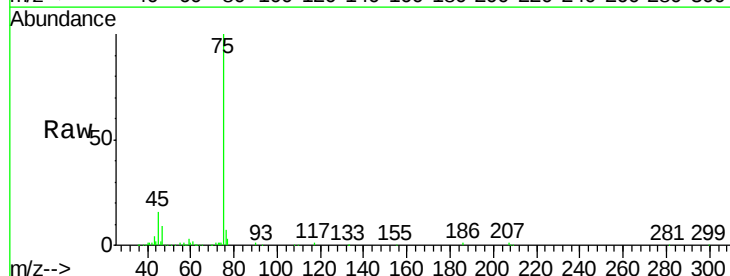
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-P

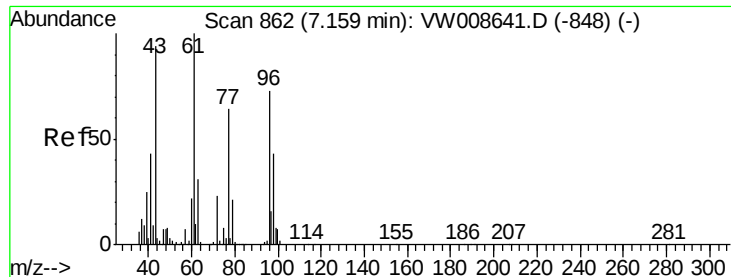
Tot Ion:	84	Resp:	43772
Ion	Ratio	Lower	Upper
84	100		
49	129.8	113.3	169.9
51	42.6	32.1	48.1
86	71.5	50.9	76.3



#25
2-Butanone
Concen: 5.768 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW008650.D
Acq: 13 Feb 2019 20:37

Tgt Ion:	43	Resp:	8349
Ion	Ratio	Lower	Upper
43	100		
72	21.8	19.7	29.5





#26

2,2-Dichloropropane

Concen: 1.111 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW008650.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

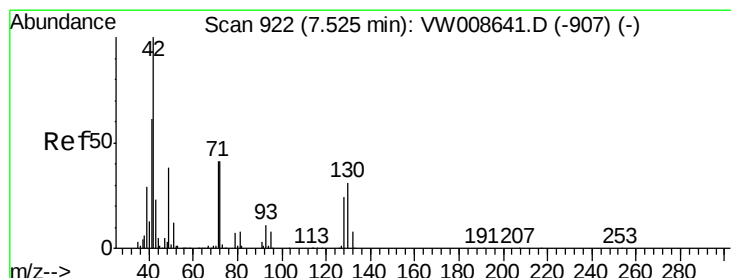
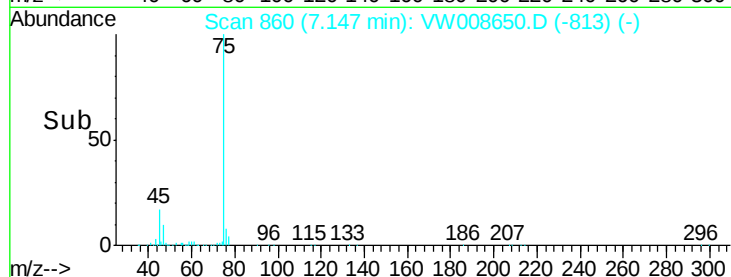
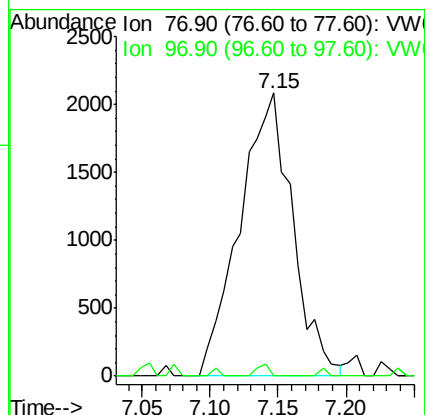
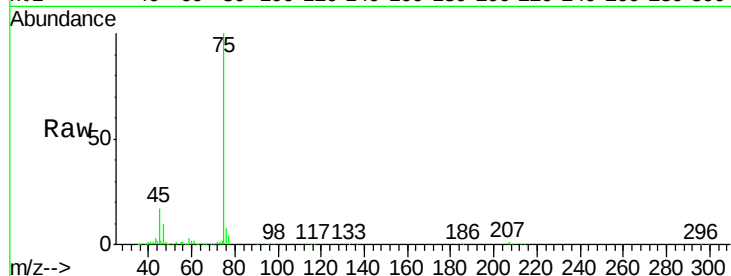
JC-02-021119-P

Tot Ion: 77 Resp: 5666

Ion Ratio Lower Upper

77 100

97 0.9 11.7 35.0#



#29

Tetrahydrofuran

Concen: 3.497 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW008650.D

Acq: 13 Feb 2019 20:37

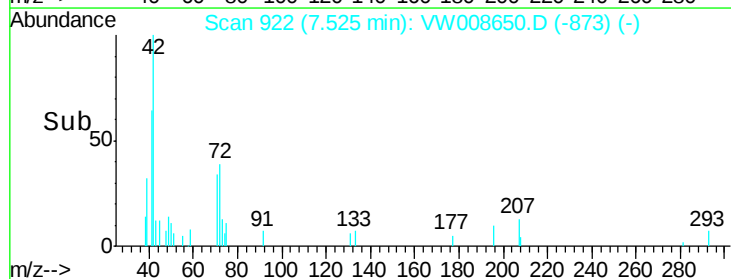
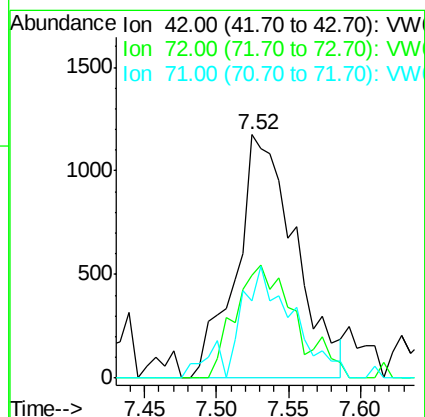
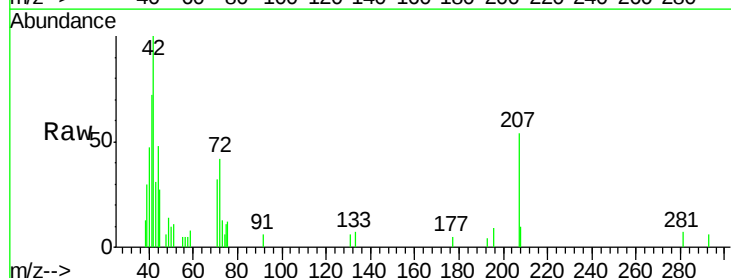
Tgt Ion: 42 Resp: 3336

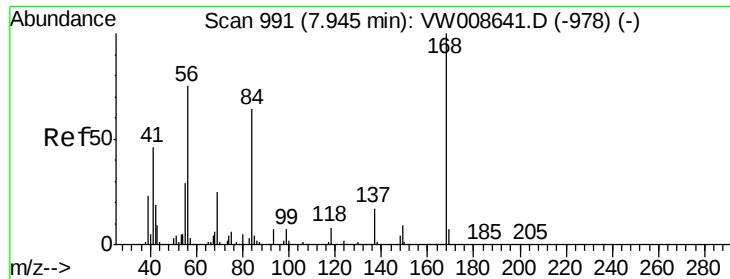
Ion Ratio Lower Upper

42 100

72 43.3 32.2 48.2

71 43.2 31.0 46.6





#31

Cyclohexane

Concen: 1.170 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008650.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-P

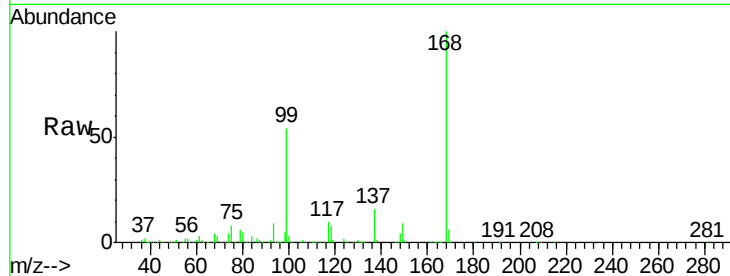
Tot Ion: 56 Resp: 9639

Ion Ratio Lower Upper

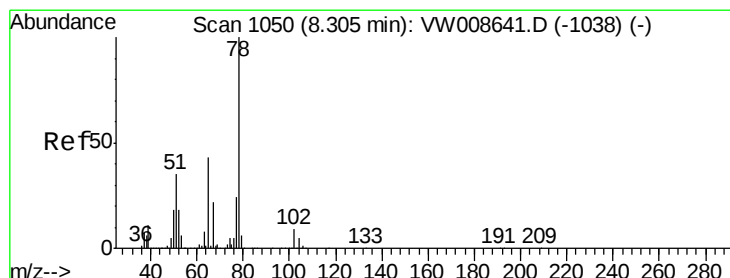
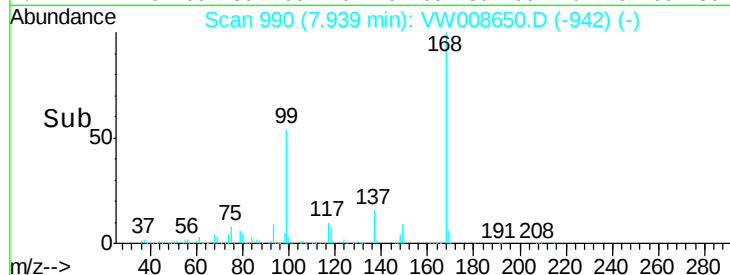
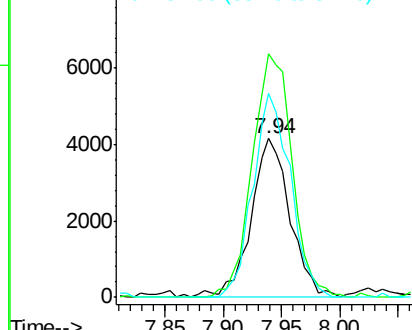
56 100

69 153.5 26.4 39.6#

84 128.6 67.4 101.2#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 51.128 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008650.D

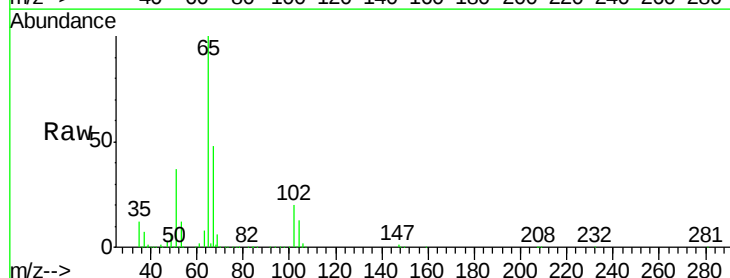
Acq: 13 Feb 2019 20:37

Tgt Ion: 65 Resp: 230326

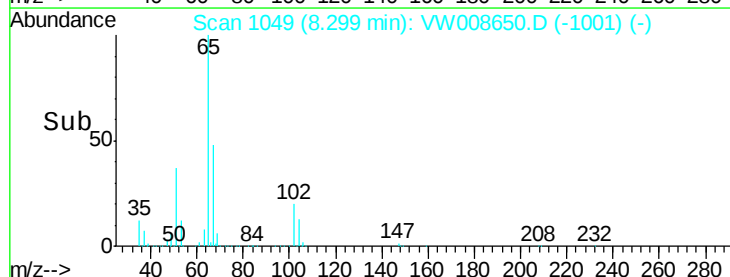
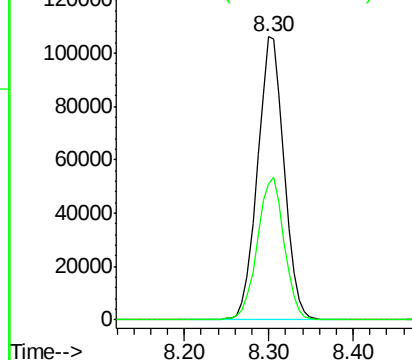
Ion Ratio Lower Upper

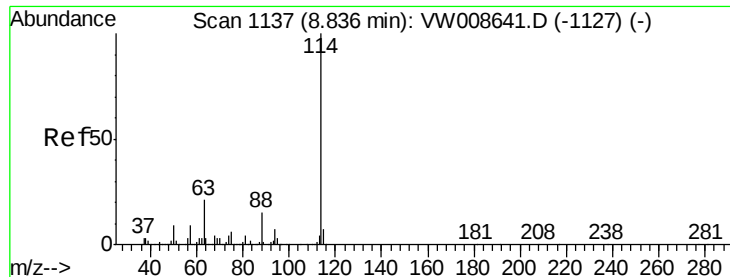
65 100

67 51.0 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

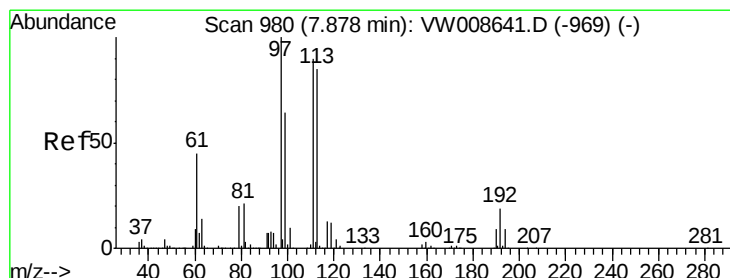
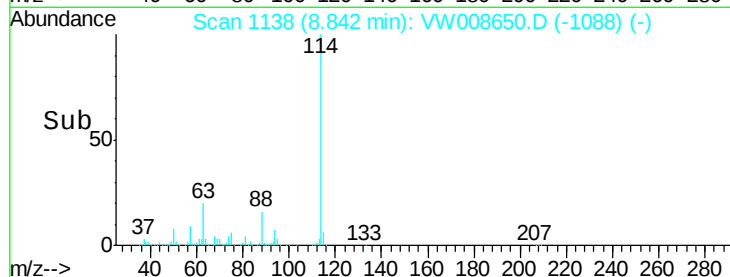
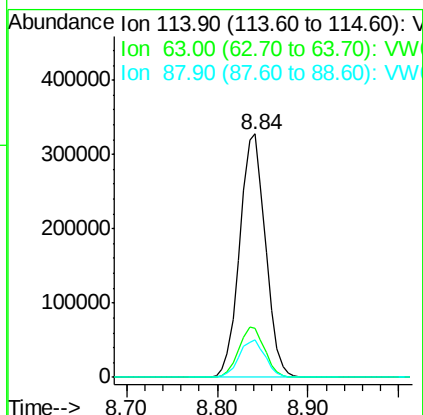
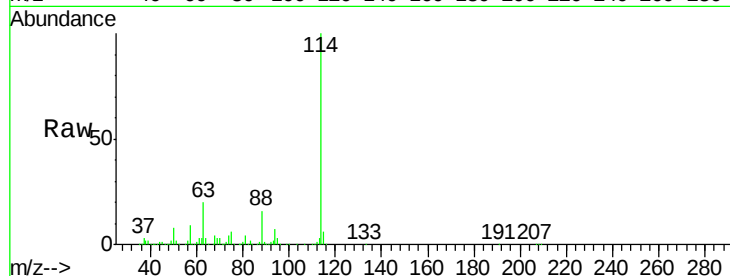




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008650.D
 Acq: 13 Feb 2019 20:37

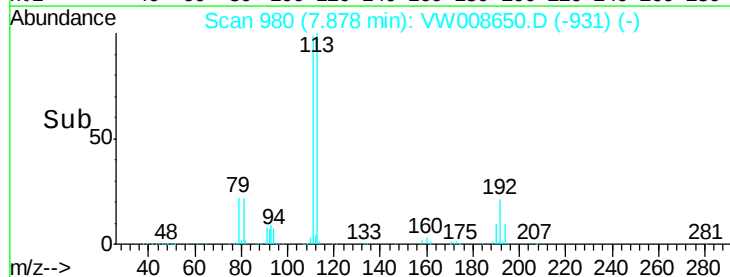
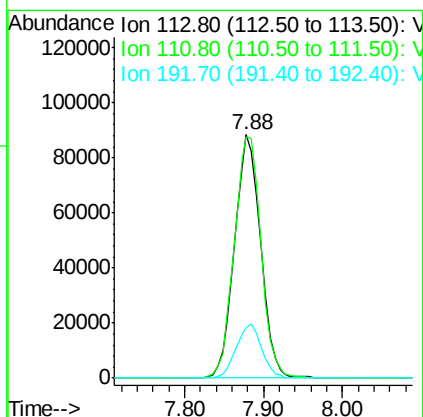
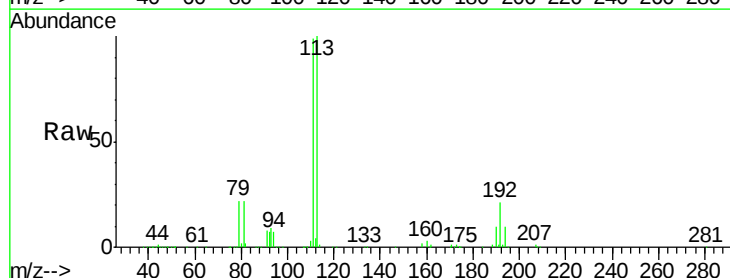
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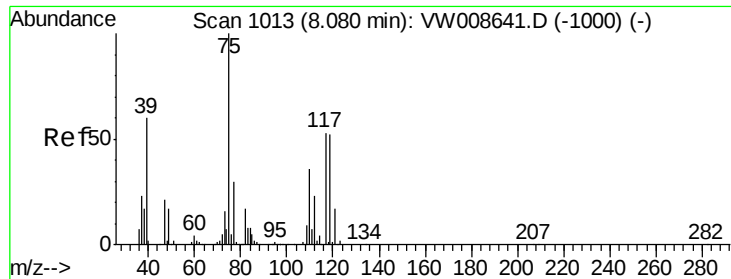
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.2
88	15.5	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 50.720 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW008650.D
 Acq: 13 Feb 2019 20:37

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	84.0	126.0
192	21.8	17.4	26.2

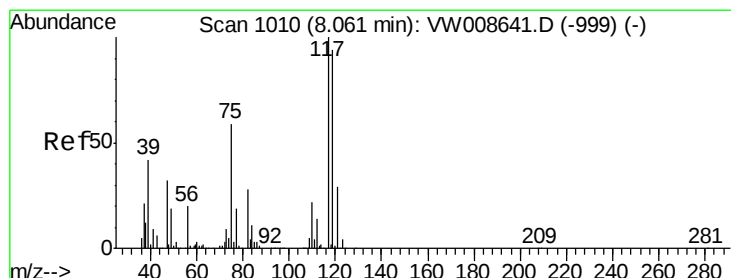
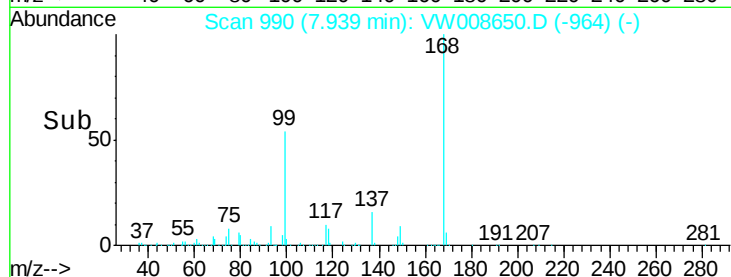
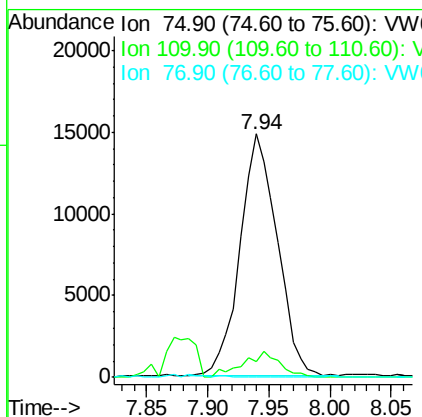
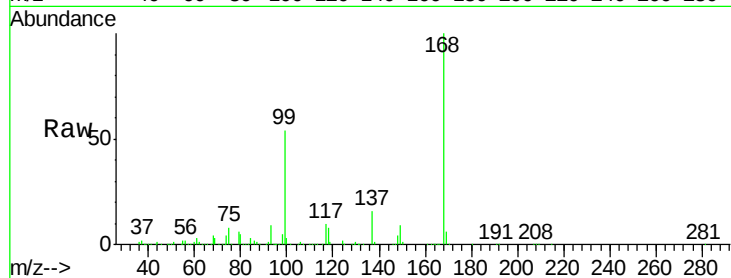




#36
 1,1-Dichloropropene
 Concen: 4.853 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008650.D
 Acq: 13 Feb 2019 20:37

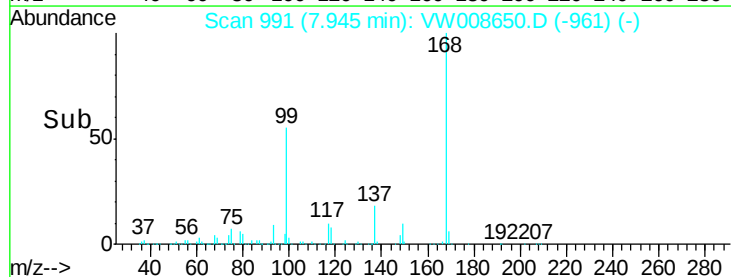
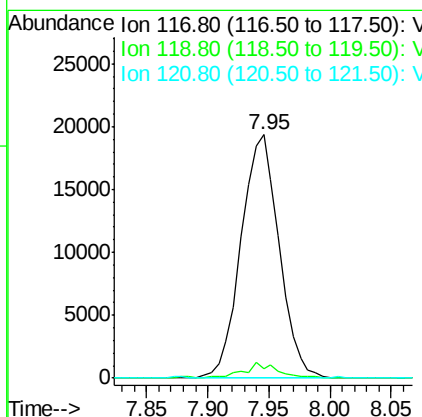
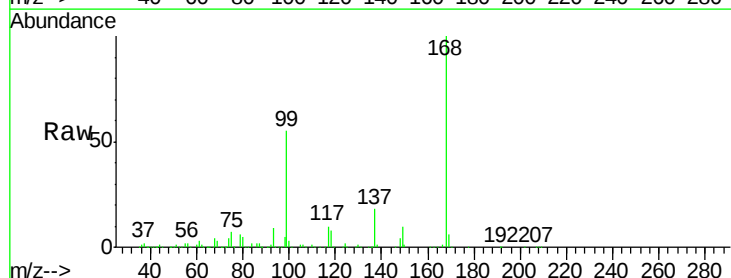
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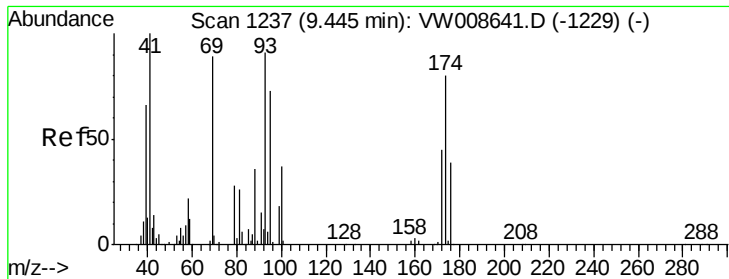
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.7	17.8	53.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.510 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008650.D
 Acq: 13 Feb 2019 20:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	75.1	112.7#
121	0.0	23.5	35.3#





#49

1,4-Dioxane

Concen: 1.533 ug/l

RT: 9.41 min Scan# 1232

Delta R.T. -0.03 min

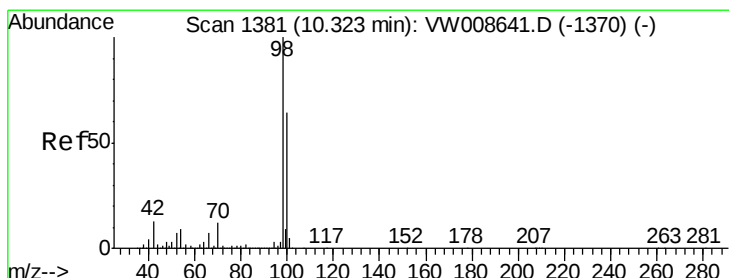
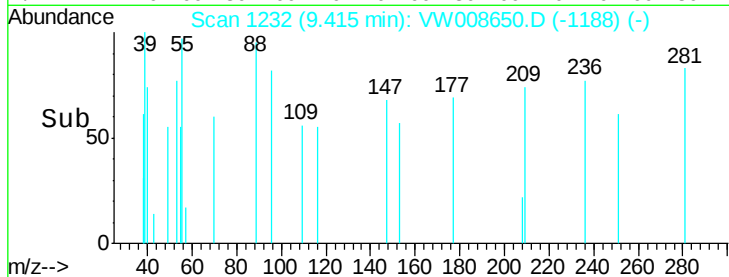
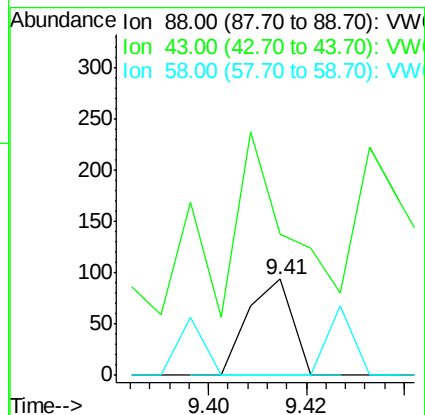
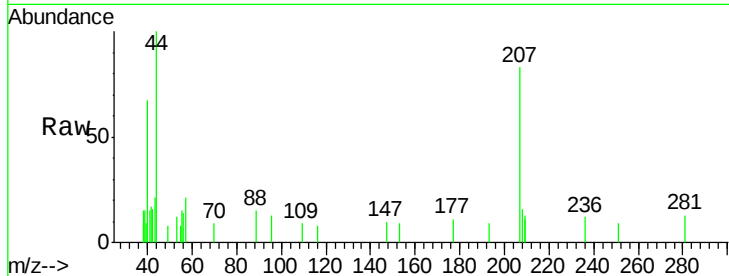
Lab File: VW008650.D

Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-P

Tot Ion: 88 Resp: 59

Ion	Ratio	Lower	Upper
88	100		
43	281.4	31.0	46.6#
58	35.6	57.0	85.6#



#50

Toluene-d8

Concen: 49.954 ug/l

RT: 10.32 min Scan# 1381

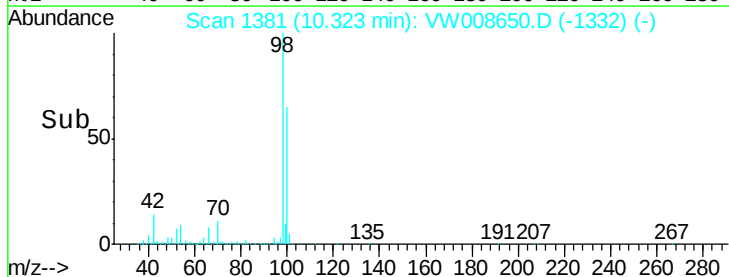
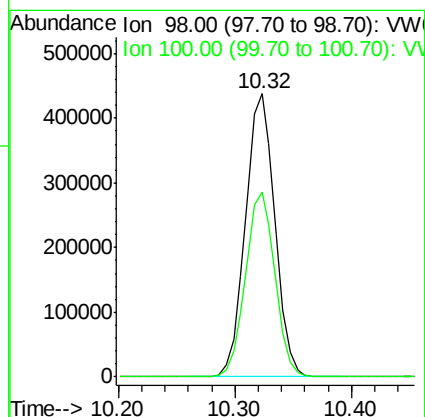
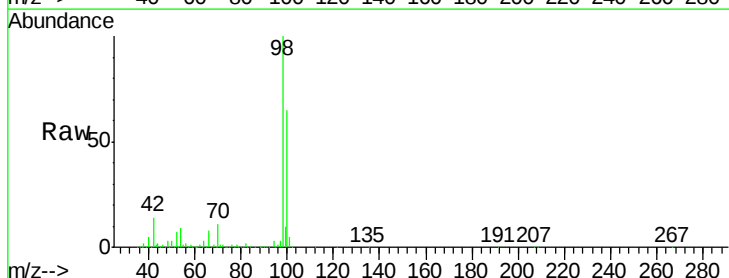
Delta R.T. -0.00 min

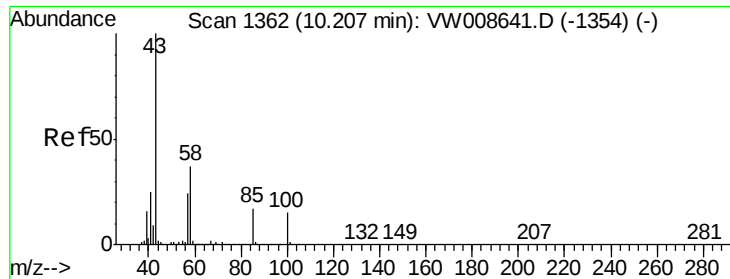
Lab File: VW008650.D

Acq: 13 Feb 2019 20:37

Tgt Ion: 98 Resp: 770773

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 1.144 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW008650.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

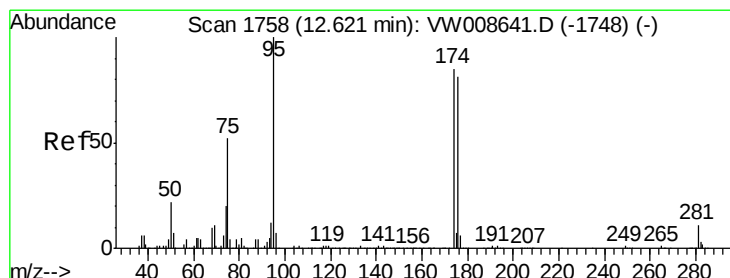
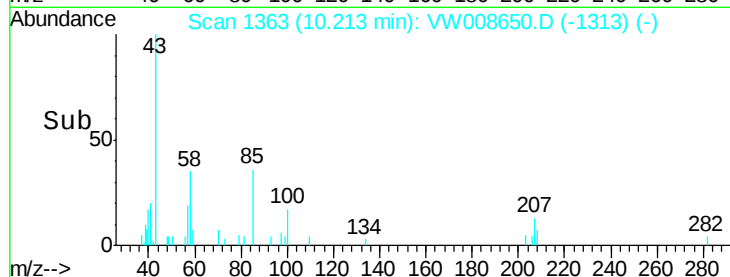
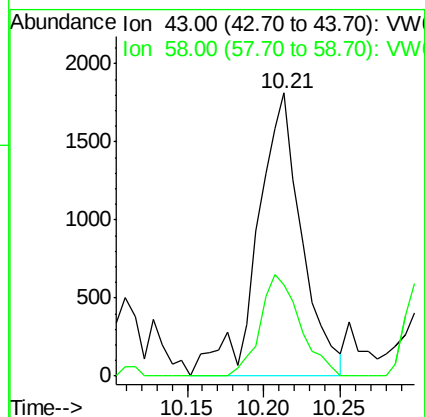
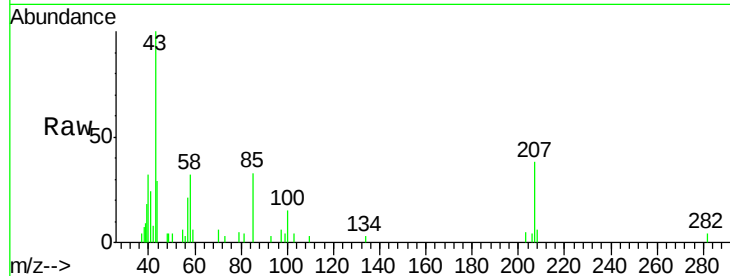
JC-02-021119-P

Tot Ion: 43 Resp: 3662

Ion Ratio Lower Upper

43 100

58 32.5 29.0 43.6



#62

4-Bromofluorobenzene

Concen: 45.613 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008650.D

Acq: 13 Feb 2019 20:37

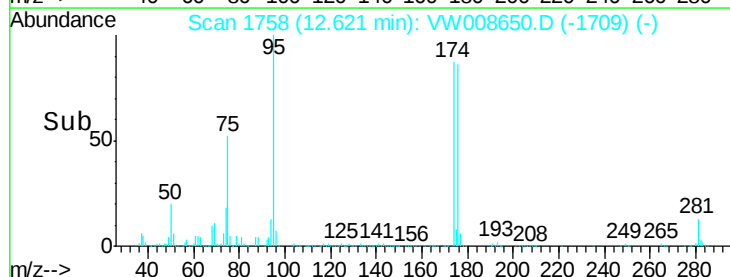
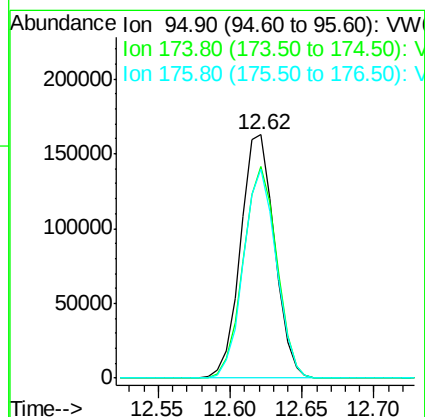
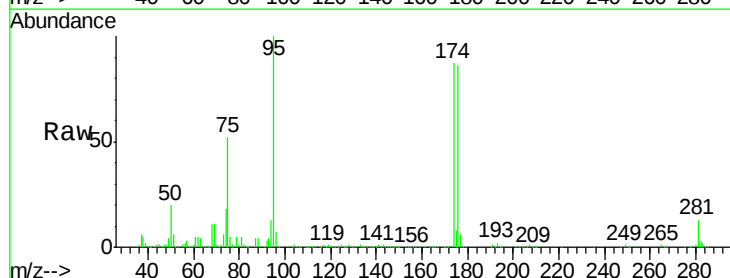
Tgt Ion: 95 Resp: 265091

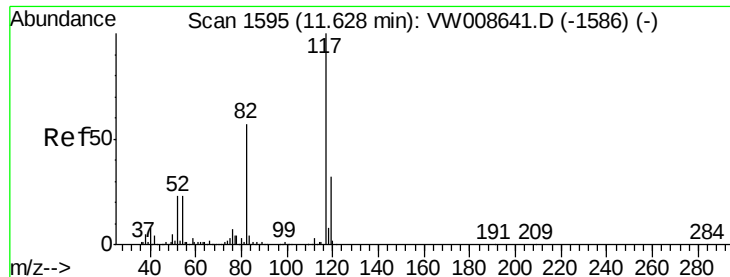
Ion Ratio Lower Upper

95 100

174 85.7 0.0 163.2

176 83.3 0.0 158.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW008650.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-P

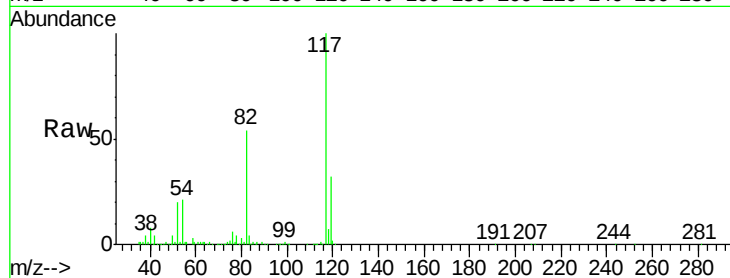
Tot Ion:117 Resp: 564716

Ion Ratio Lower Upper

117 100

82 53.5 45.6 68.4

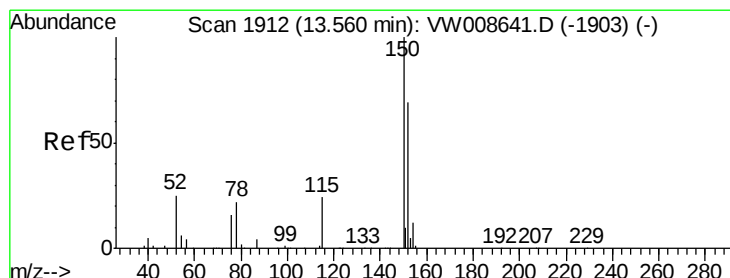
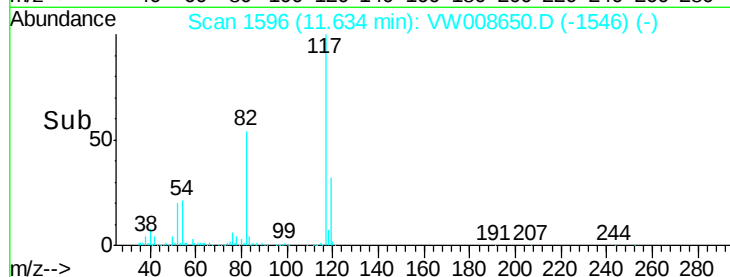
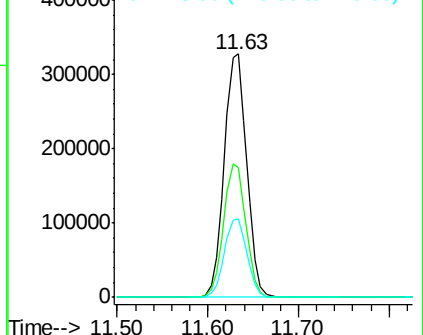
119 32.5 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008650.D

Acq: 13 Feb 2019 20:37

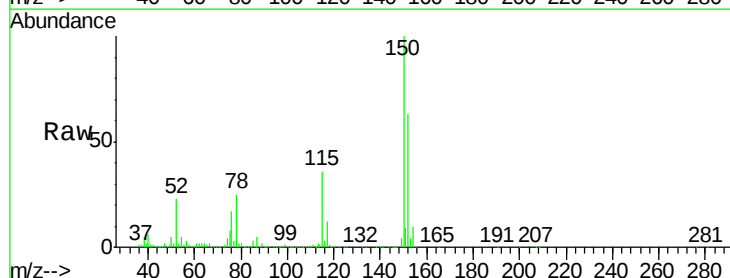
Tgt Ion:152 Resp: 272578

Ion Ratio Lower Upper

152 100

115 58.1 29.3 87.8

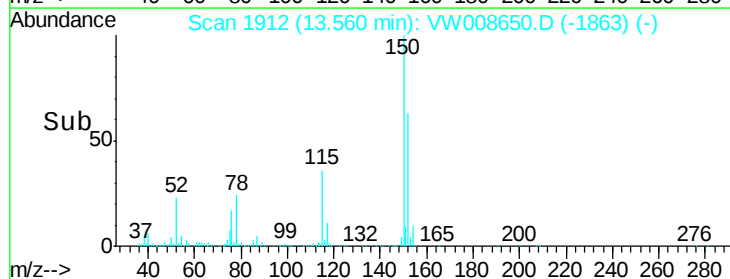
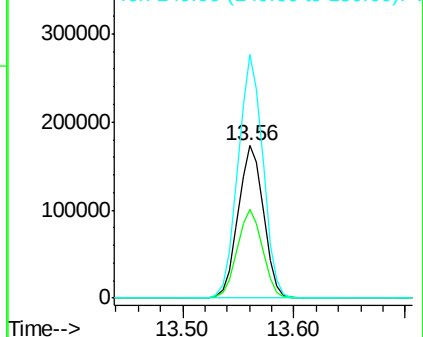
150 156.6 0.0 352.8

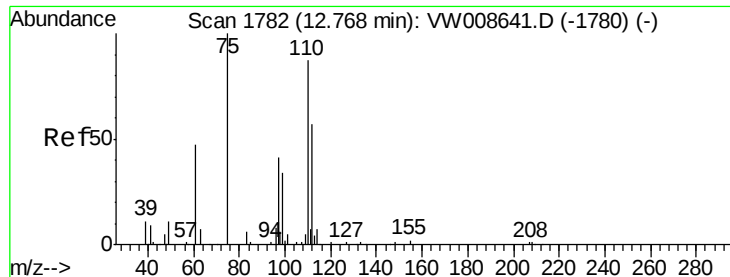


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

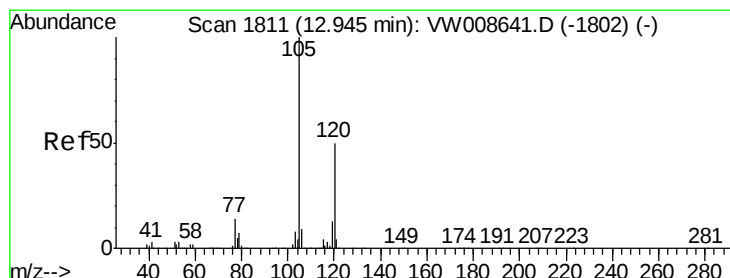
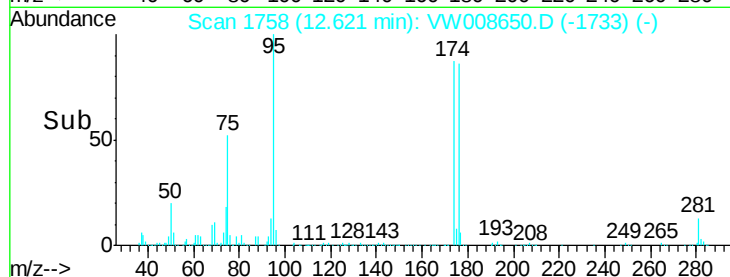
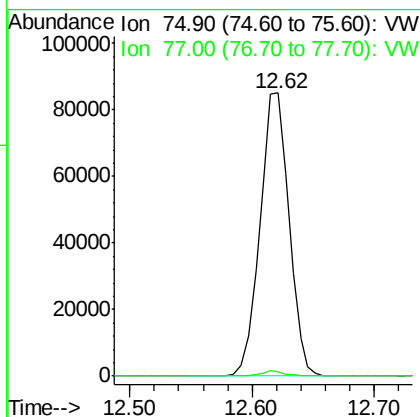
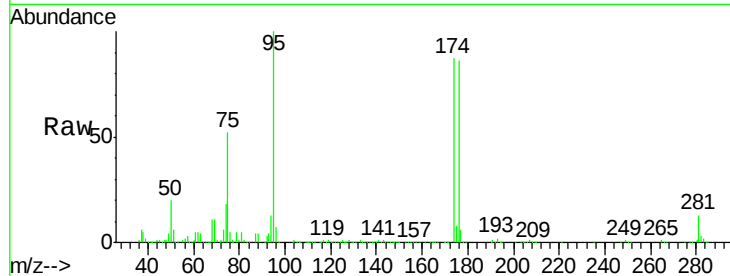




#76
 1,2,3-Trichloropropane
 Concen: 52.430 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008650.D
 Acq: 13 Feb 2019 20:37

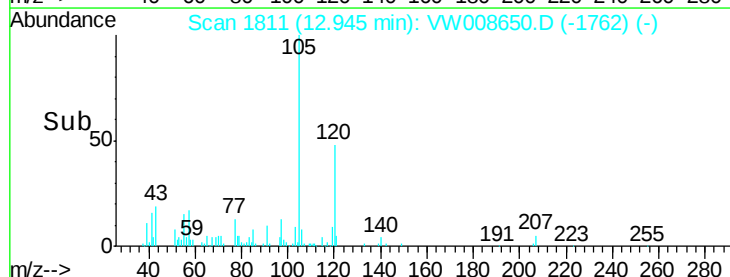
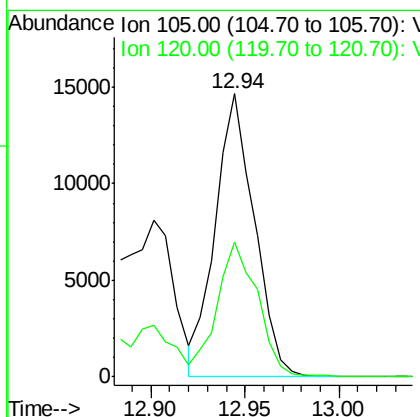
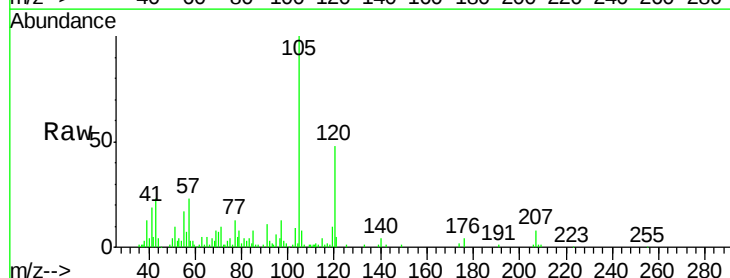
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-P

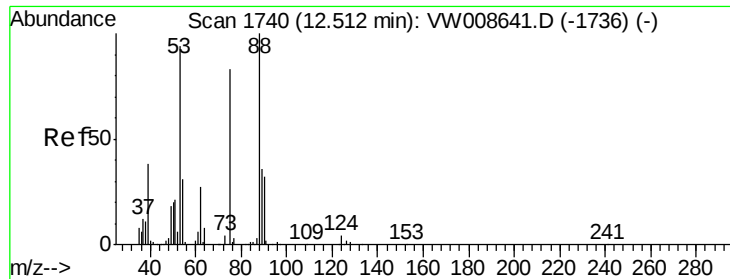
Tot Ion: 75 Resp: 141118
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.253 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW008650.D
 Acq: 13 Feb 2019 20:37

Tgt Ion: 105 Resp: 21129
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 112.291 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008650.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-P

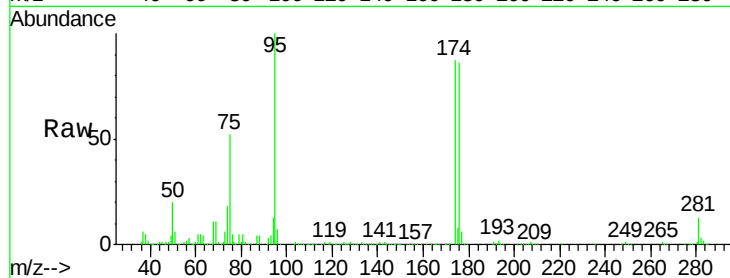
Tot Ion: 75 Resp: 141118

Ion Ratio Lower Upper

75 100

53 0.2 87.4 131.0#

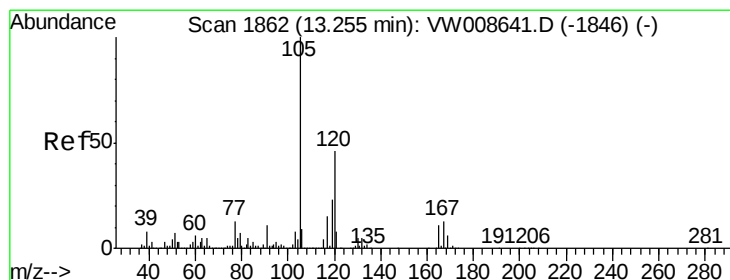
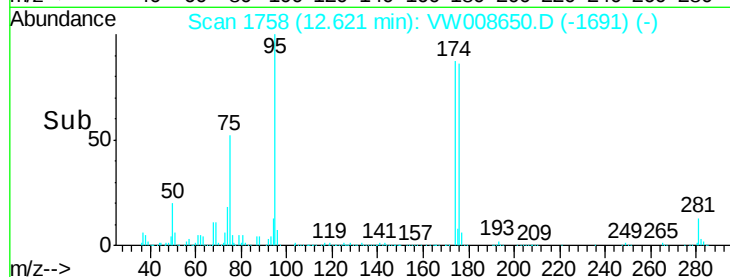
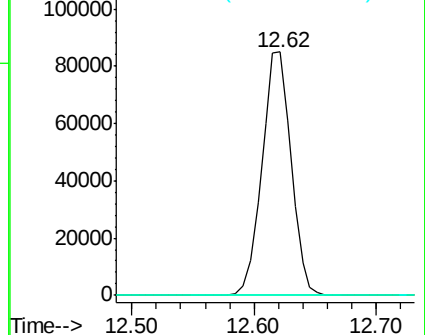
89 0.1 37.0 55.4#



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



#84

1,2,4-Trimethylbenzene

Concen: 3.561 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VW008650.D

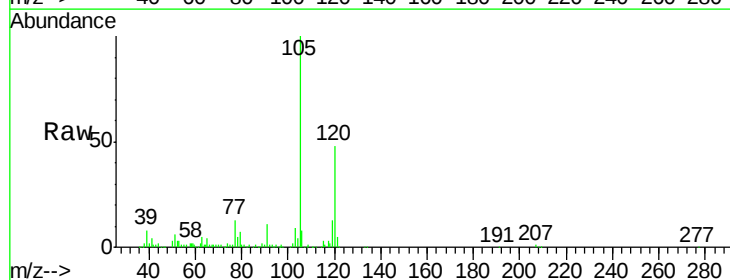
Acq: 13 Feb 2019 20:37

Tgt Ion: 105 Resp: 61720

Ion Ratio Lower Upper

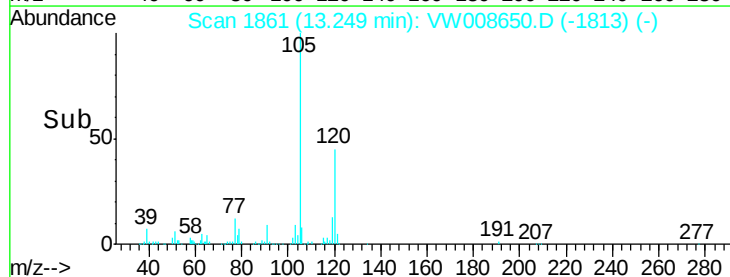
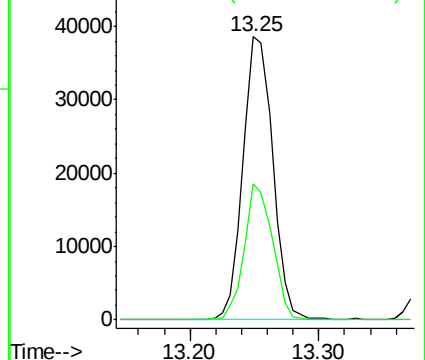
105 100

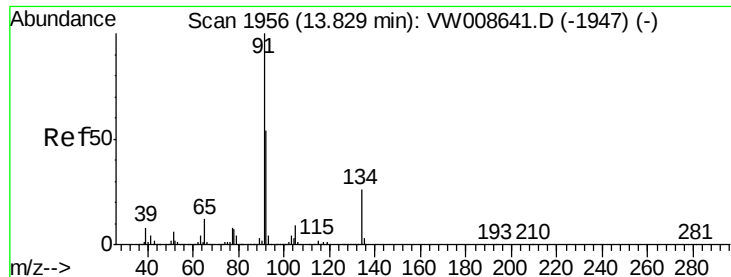
120 45.7 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

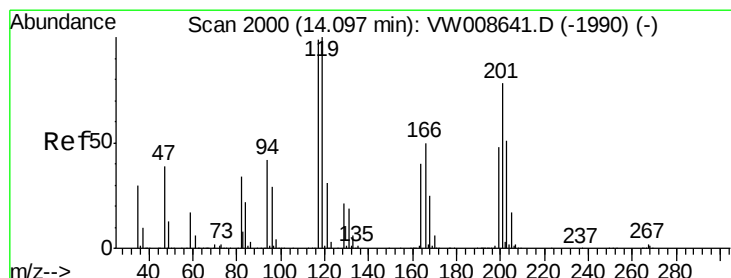
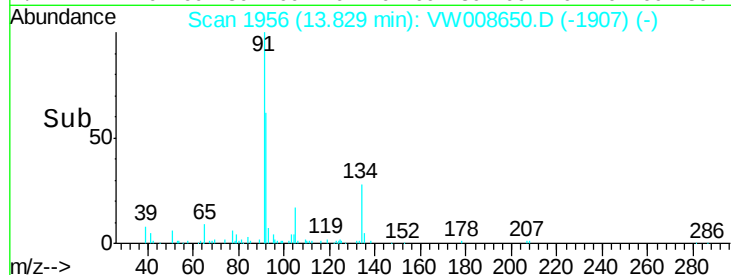
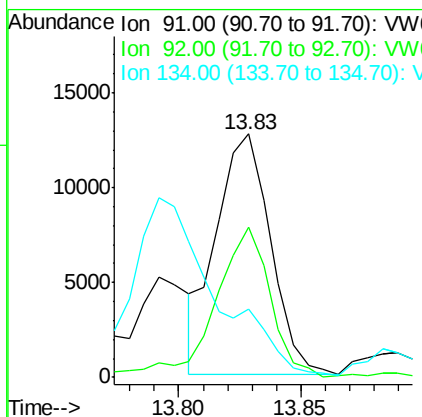
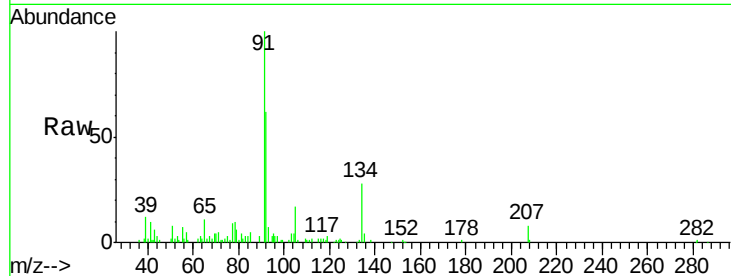




#89
n-Butylbenzene
Concen: 1.073 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008650.D
Acq: 13 Feb 2019 20:37

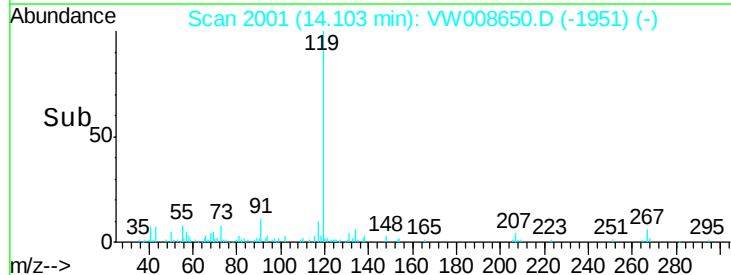
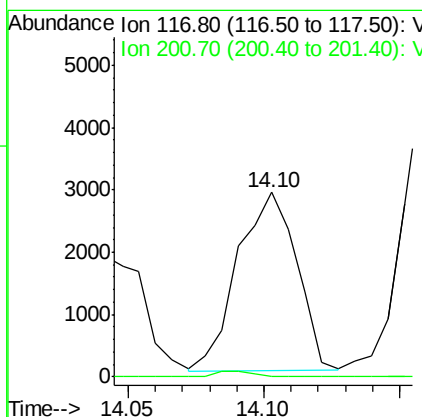
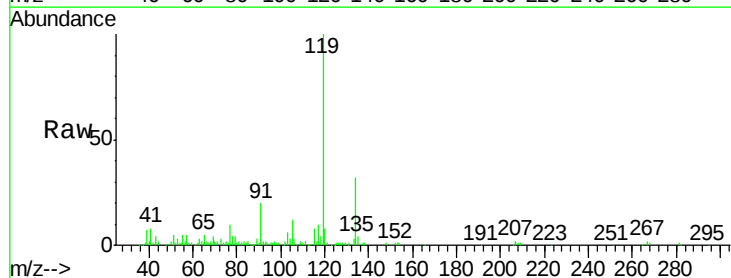
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-P

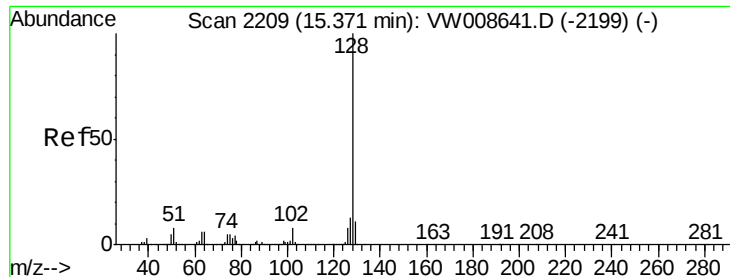
Tot Ion: 91 Resp: 19456
Ion Ratio Lower Upper
91 100
92 60.6 26.8 80.4
134 0.0 13.0 39.0#



#90
Hexachloroethane
Concen: 1.290 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW008650.D
Acq: 13 Feb 2019 20:37

Tgt Ion: 117 Resp: 4300
Ion Ratio Lower Upper
117 100
201 2.1 38.7 116.1#





#95

Naphthalene

Concen: 2.286 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW008650.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-P

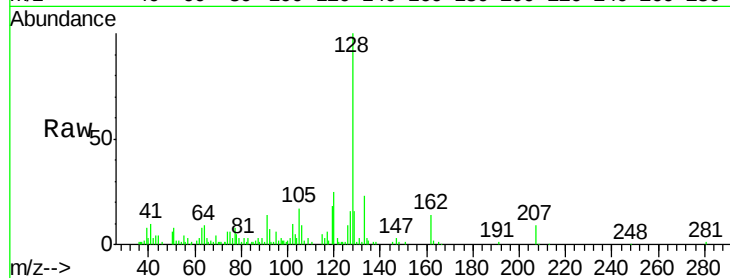
Tot Ion:128 Resp: 24440

Ion Ratio Lower Upper

128 100

127 18.1 10.9 16.3#

129 9.5 8.7 13.1



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

