

Data File : VW008631.D
Acq On : 12 Feb 2019 18:59
Operator : SY/VA
Sample : K1343-15RE
Misc : 7.47G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Feb 13 00:24:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	410531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	673479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	595373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	254359	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	230925	57.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.52%	
35) Dibromofluoromethane	7.88	113	213850	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	
50) Toluene-d8	10.32	98	791612	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.62	95	275304	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	

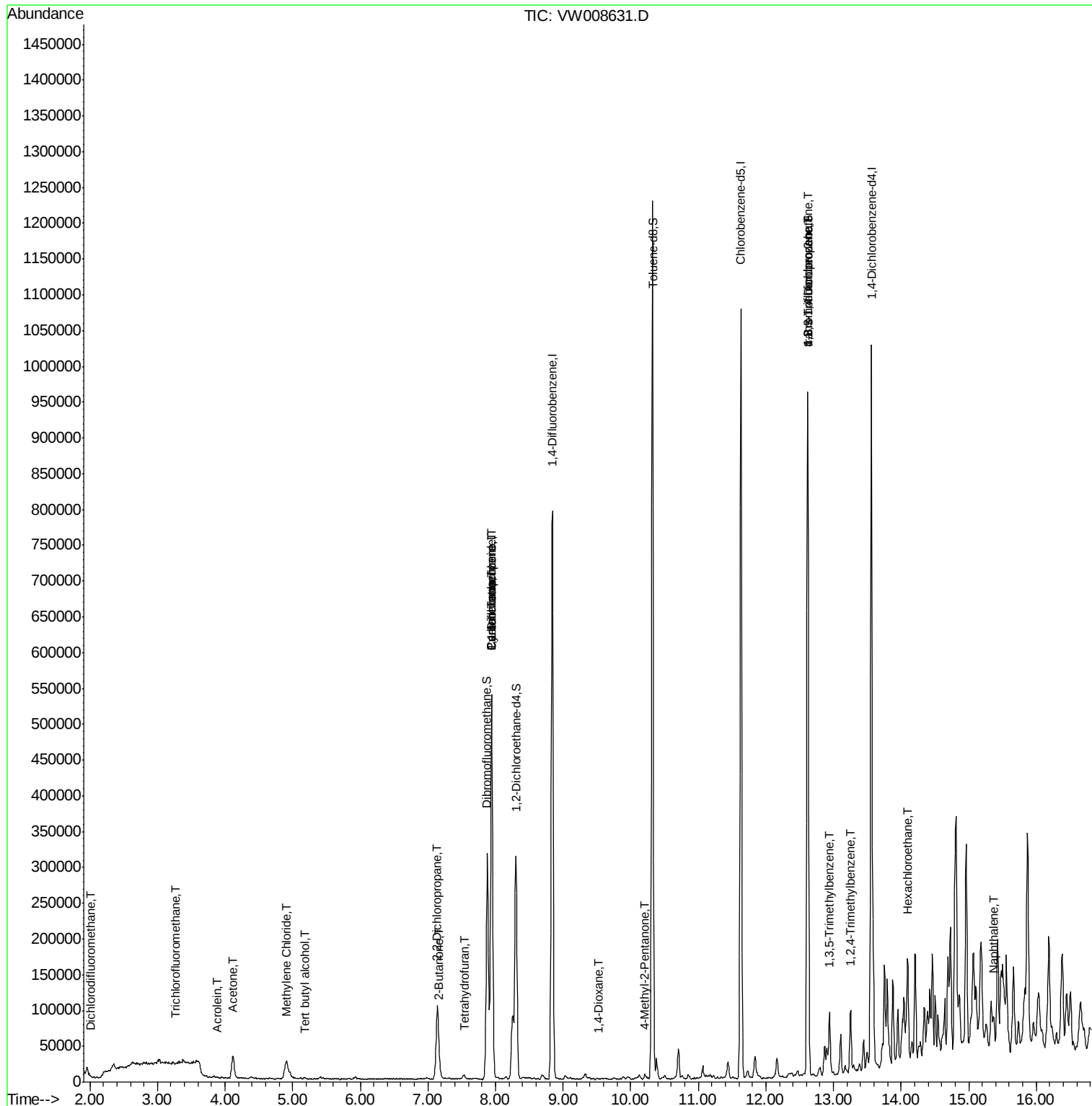
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	82	3.285	ug/l #	41
7) Trichlorofluoromethane	3.27	101	99	4.749	ug/l #	66
11) Tert butyl alcohol	5.18	59	1207	3.717	ug/l #	91
13) Acrolein	3.89	56	225	4.958	ug/l #	72
16) Acetone	4.11	43	55091	60.828	ug/l	99
20) Methylene Chloride	4.91	84	20541	4.921	ug/l	89
25) 2-Butanone	7.17	43	5023	3.993	ug/l	99
26) 2,2-Dichloropropane	7.13	77	7152	1.382	ug/l #	53
29) Tetrahydrofuran	7.54	42	3900	4.892	ug/l #	54
31) Cyclohexane	7.94	56	10711	1.353	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	30069	4.727	ug/l #	52
38) Carbon Tetrachloride	7.95	117	38834	6.066	ug/l #	16
49) 1,4-Dioxane	9.52	88	100	2.613	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	4902	1.697	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	146217	66.117	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	31473	1.986	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.62	75	146217	130.587	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.26	105	48221	2.993	ug/l	98
90) Hexachloroethane	14.10	117	6490	1.881	ug/l #	11
95) Naphthalene	15.38	128	22704	2.448	ug/l #	94

(#) = 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: VW008631.D

Acq: 12 Feb 2019 18:59

Instrument :

MSVOA_W

ClientSampleId :

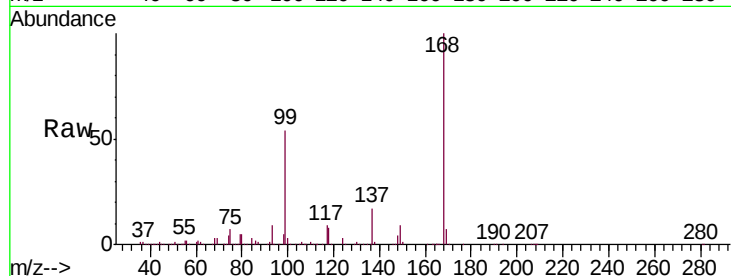
JC-02-021119-H

Tgt Ion: 168 Resp: 410531

Ion Ratio Lower Upper

168 100

99 53.5 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

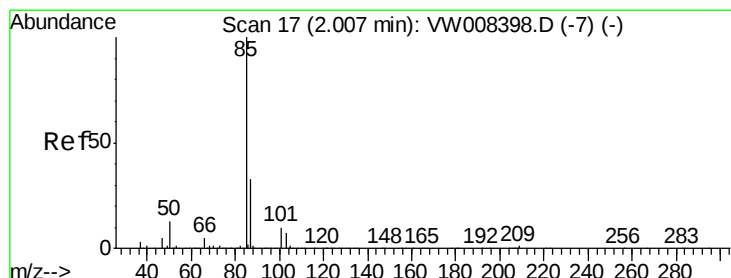
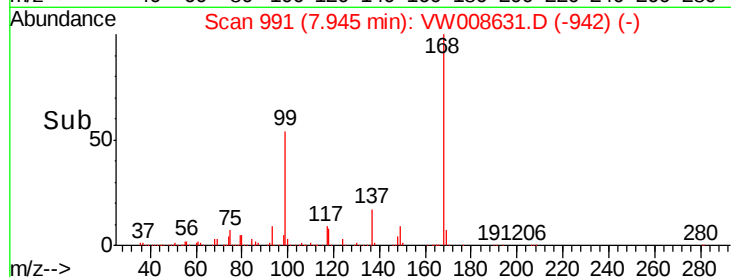
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.285 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008631.D

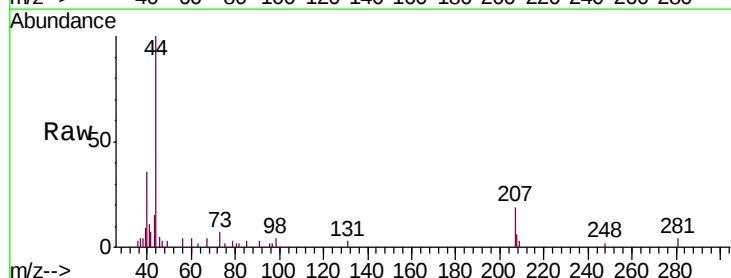
Acq: 12 Feb 2019 18:59

Tgt Ion: 85 Resp: 82

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

100

80

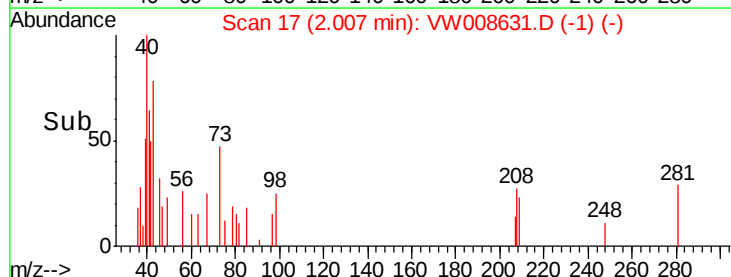
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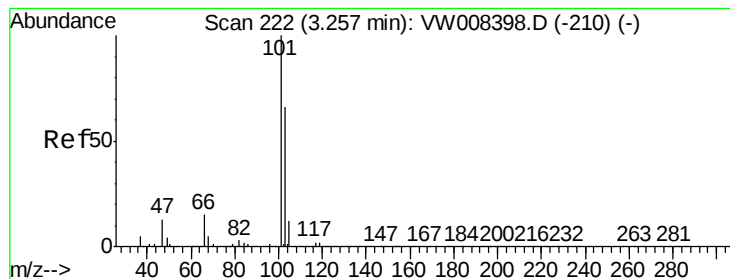
40

20

0

Time-->



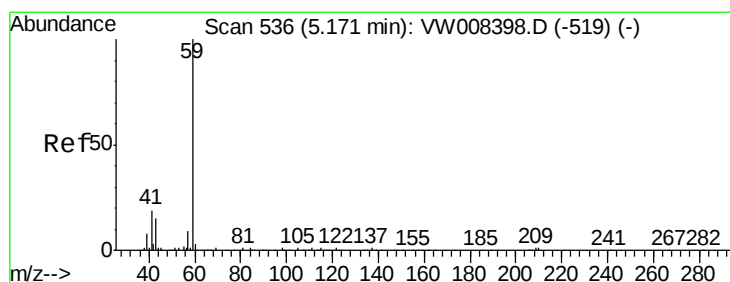
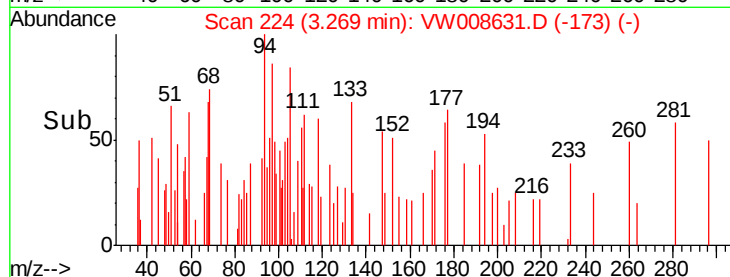
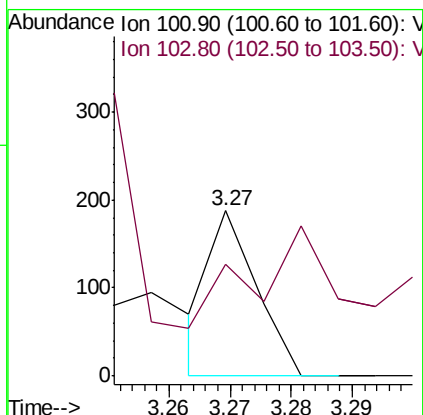
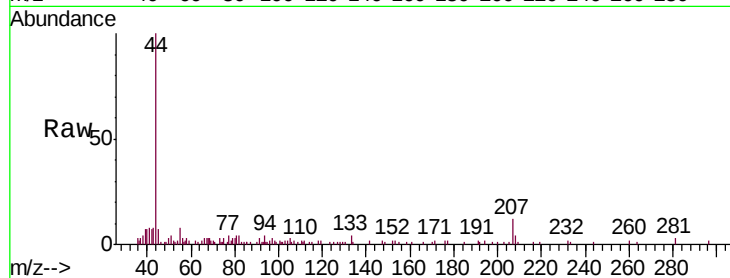


#7

Trichlorofluoromethane
 Concen: 4.749 ug/l
 RT: 3.27 min Scan# 224
 Delta R.T. 0.01 min
 Lab File: VW008631.D
 Acq: 12 Feb 2019 18:59

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

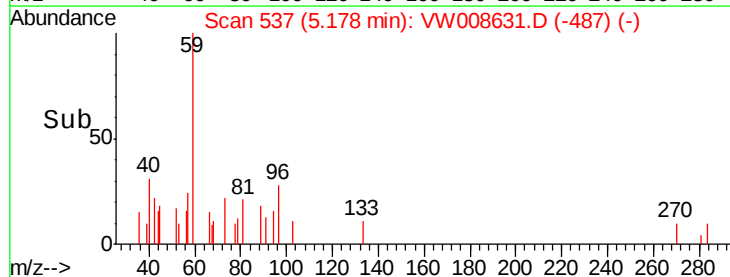
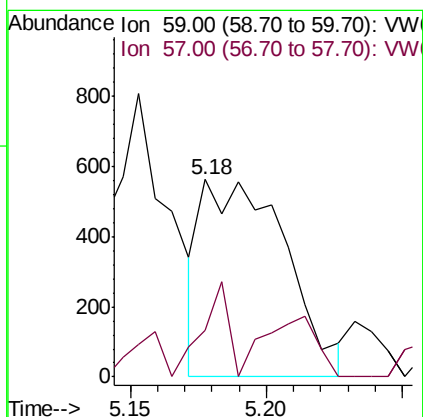
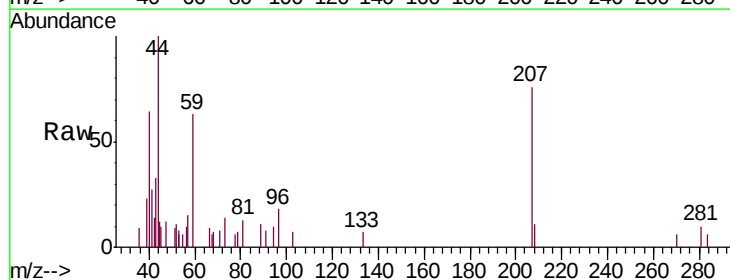
Tgt Ion: 101 Resp: 99
 Ion Ratio Lower Upper
 101 100
 103 38.8 52.5 78.7#

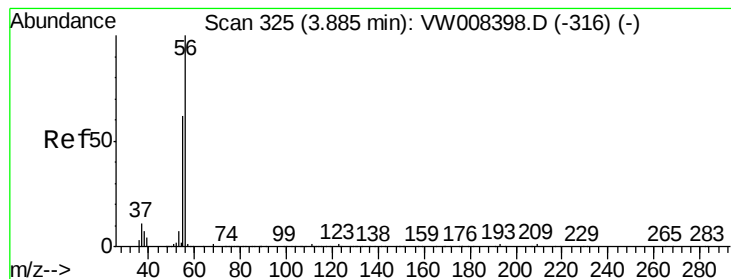


#11

Tert butyl alcohol
 Concen: 3.717 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW008631.D
 Acq: 12 Feb 2019 18:59

Tgt Ion: 59 Resp: 1207
 Ion Ratio Lower Upper
 59 100
 57 15.0 9.3 13.9#





#13

Acrolein

Concen: 4.958 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008631.D

Acq: 12 Feb 2019 18:59

Instrument :

MSVOA_W

ClientSampleId :

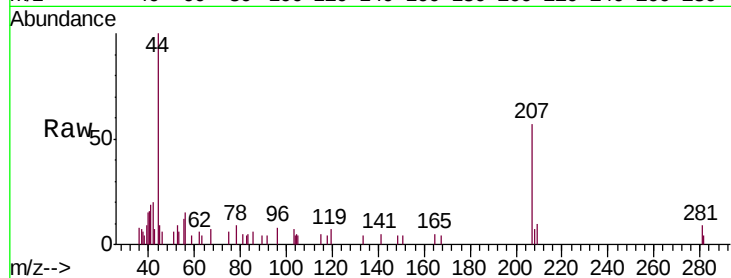
JC-02-021119-H

Tgt Ion: 56 Resp: 225

Ion Ratio Lower Upper

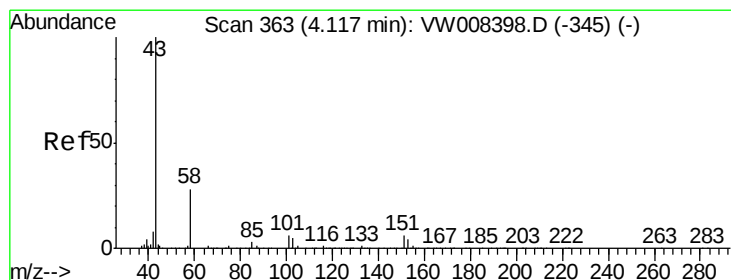
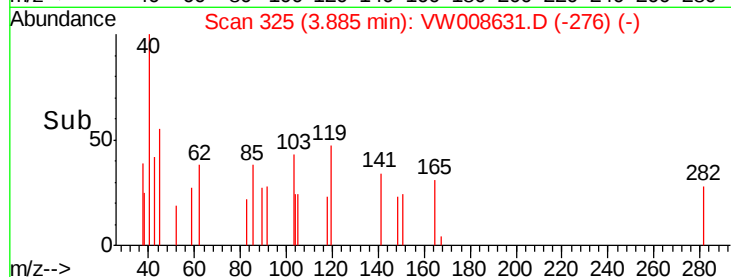
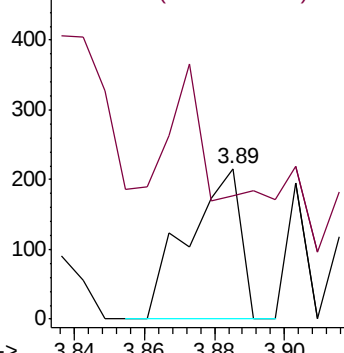
56 100

55 47.6 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 60.828 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW008631.D

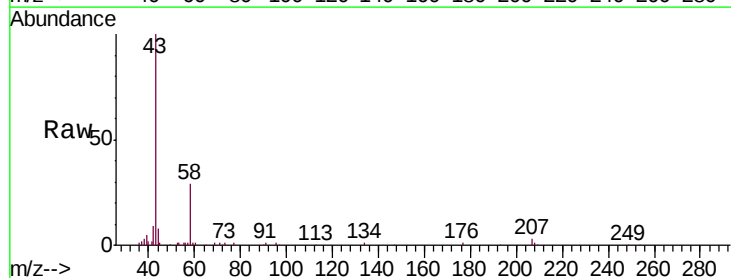
Acq: 12 Feb 2019 18:59

Tgt Ion: 43 Resp: 55091

Ion Ratio Lower Upper

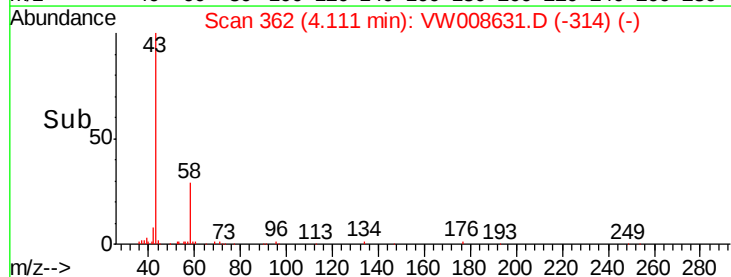
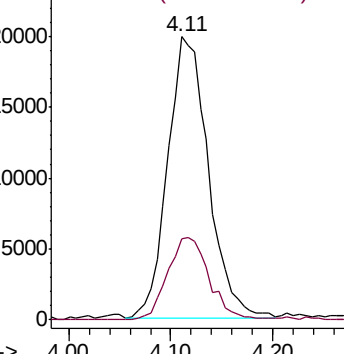
43 100

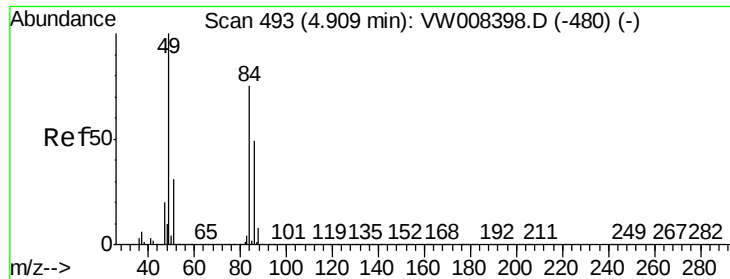
58 28.8 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

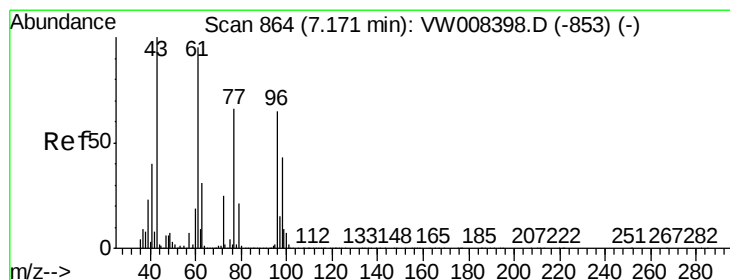
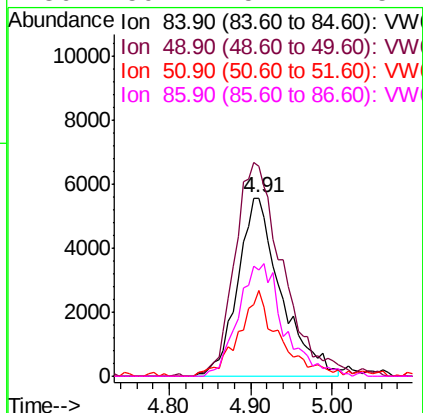
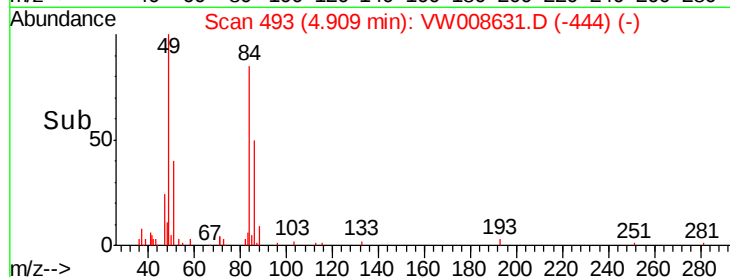
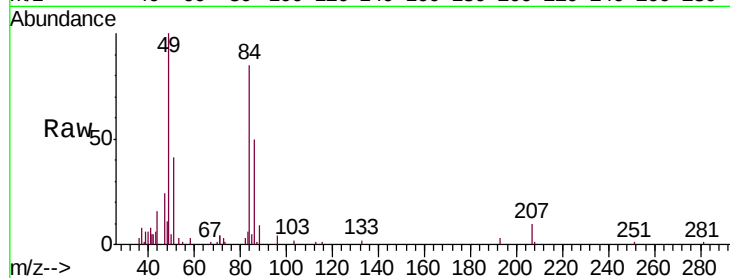




#20
Methylene Chloride
Concen: 4.921 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008631.D
Acq: 12 Feb 2019 18:59

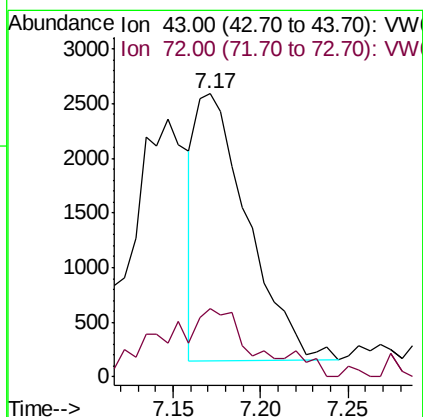
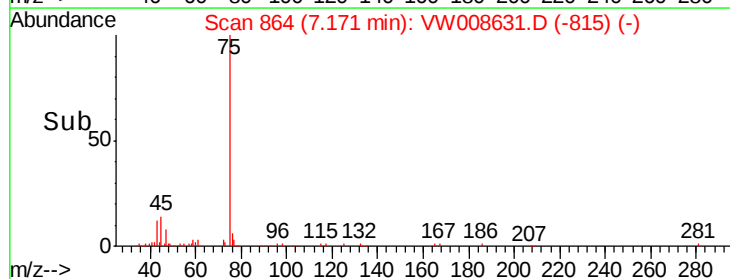
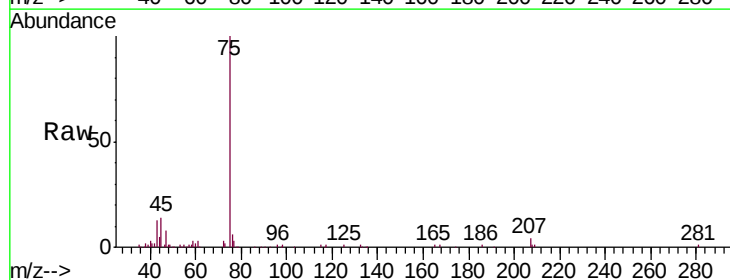
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-H

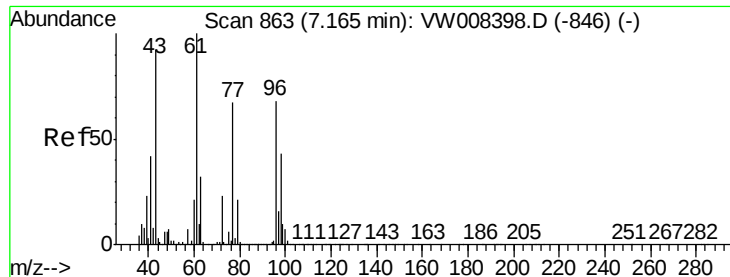
Tgt Ion:	84	Resp:	20541
Ion	Ratio	Lower	Upper
84	100		
49	117.9	106.8	160.2
51	48.1	32.9	49.3
86	59.4	52.2	78.2



#25
2-Butanone
Concen: 3.993 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008631.D
Acq: 12 Feb 2019 18:59

Tgt Ion:	43	Resp:	5023
Ion	Ratio	Lower	Upper
43	100		
72	25.8	20.1	30.1





#26

2,2-Dichloropropane

Concen: 1.382 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW008631.D

Acq: 12 Feb 2019 18:59

Instrument :

MSVOA_W

ClientSampleId :

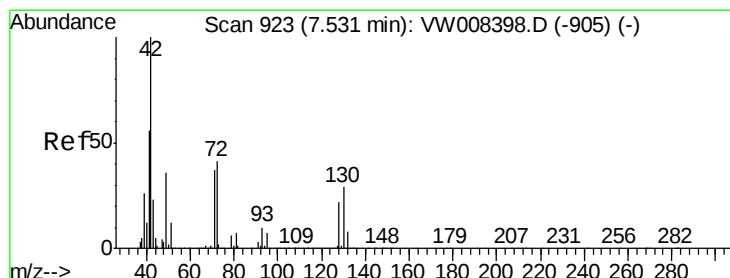
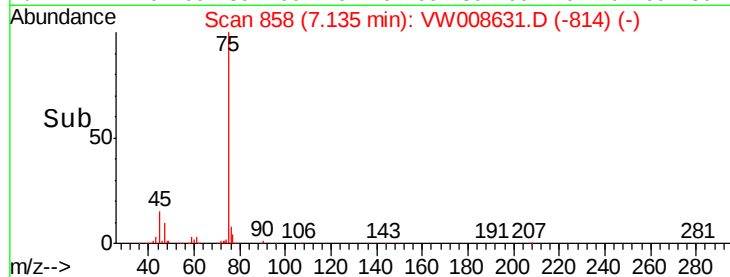
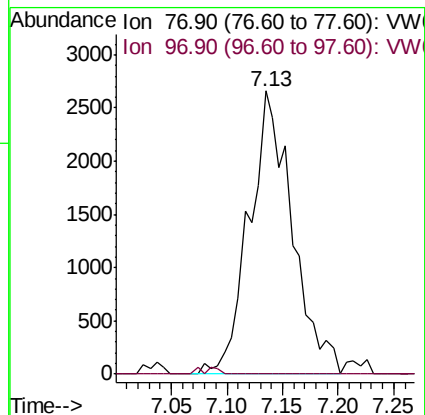
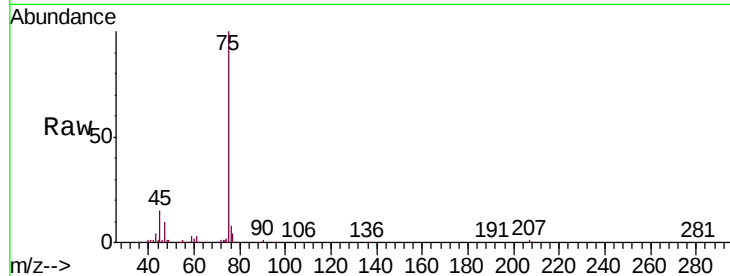
JC-02-021119-H

Tgt Ion: 77 Resp: 7152

Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.5#



#29

Tetrahydrofuran

Concen: 4.892 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008631.D

Acq: 12 Feb 2019 18:59

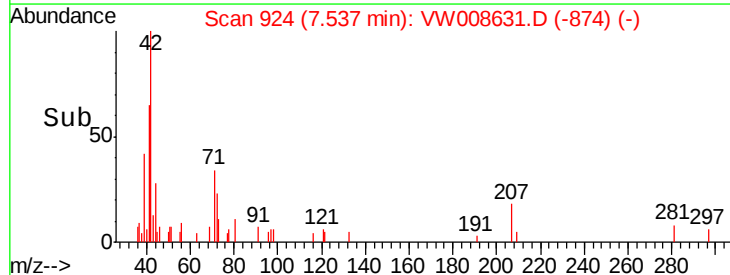
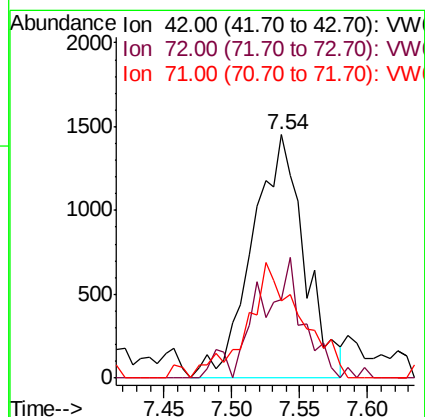
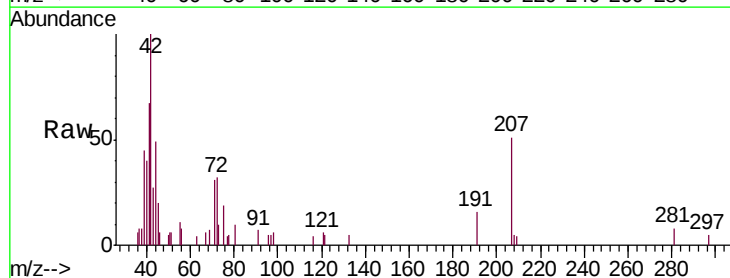
Tgt Ion: 42 Resp: 3900

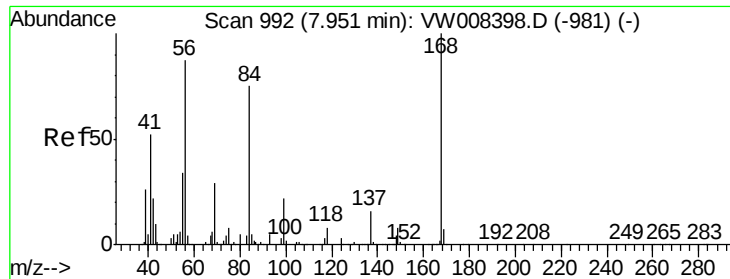
Ion Ratio Lower Upper

42 100

72 21.2 31.9 47.9#

71 0.0 29.9 44.9#





#31

Cyclohexane

Concen: 1.353 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008631.D

Acq: 12 Feb 2019 18:59

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-H

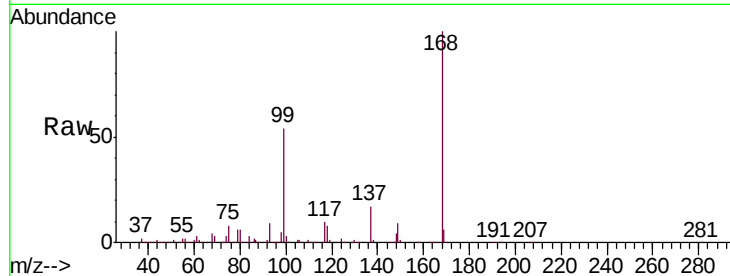
Tgt Ion: 56 Resp: 10711

Ion Ratio Lower Upper

56 100

69 134.1 26.4 39.6#

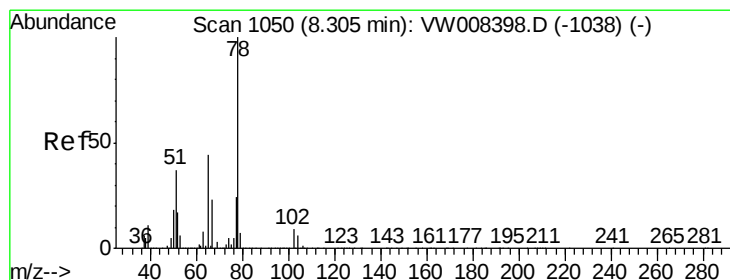
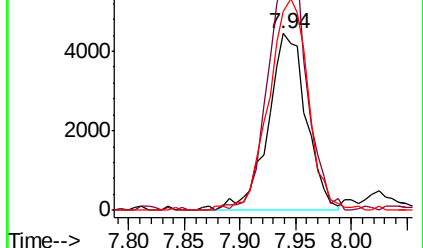
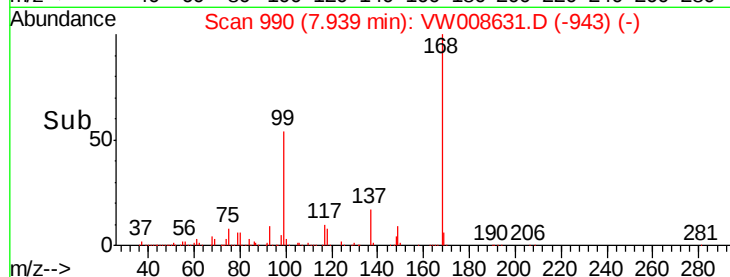
84 112.6 69.1 103.7#



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: 57.258 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008631.D

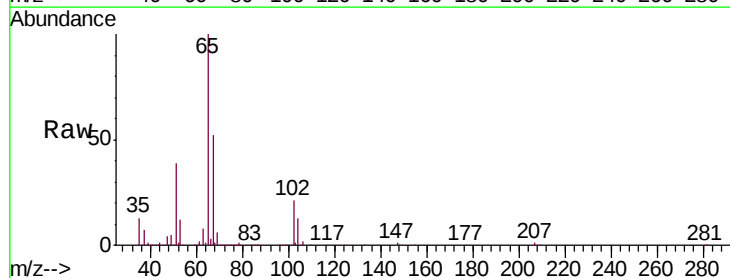
Acq: 12 Feb 2019 18:59

Tgt Ion: 65 Resp: 230925

Ion Ratio Lower Upper

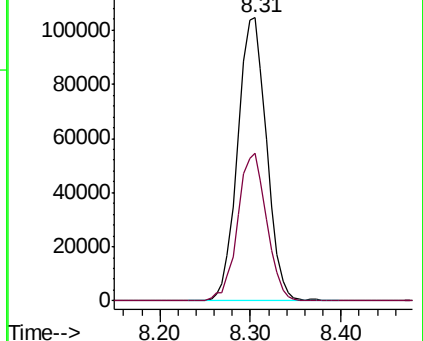
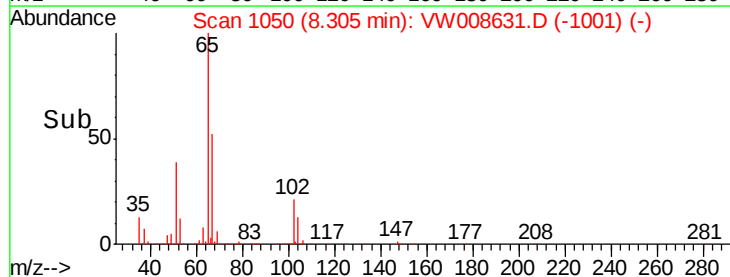
65 100

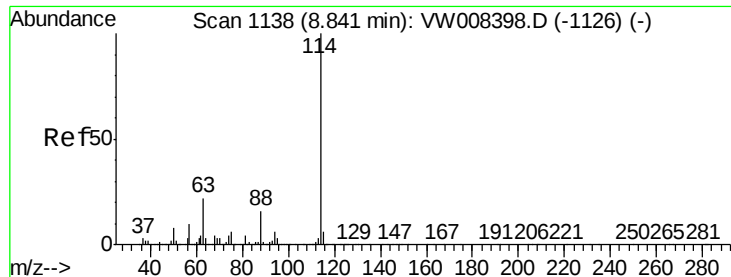
67 52.4 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

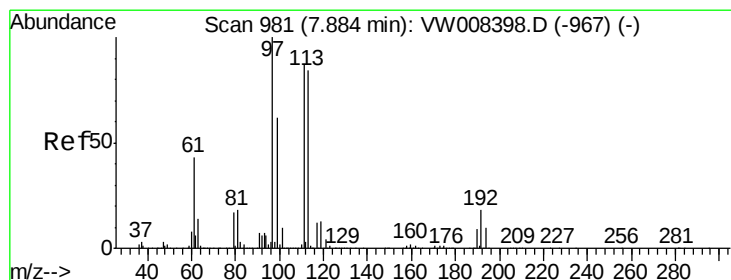
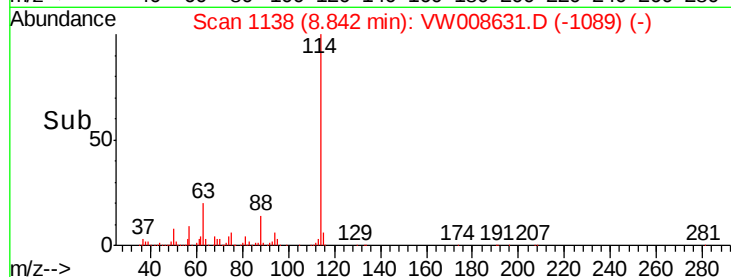
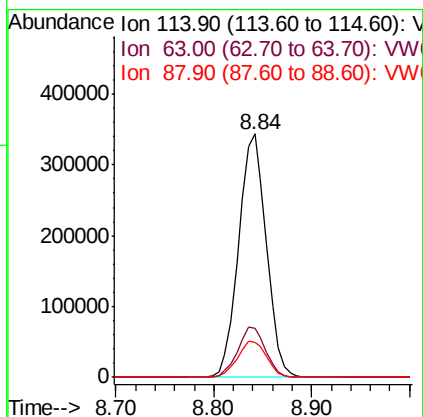
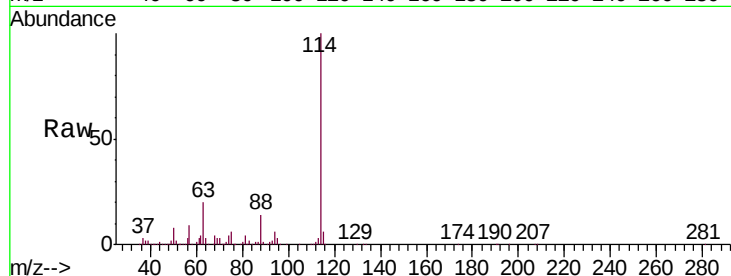




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008631.D
 Acq: 12 Feb 2019 18:59

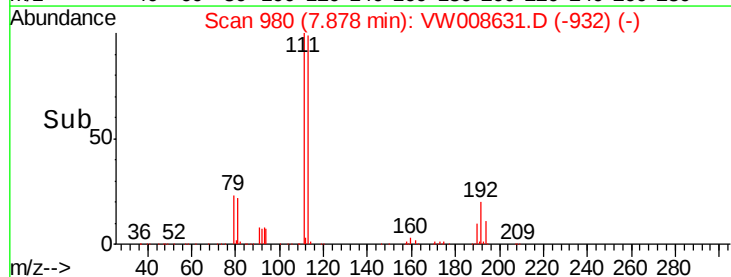
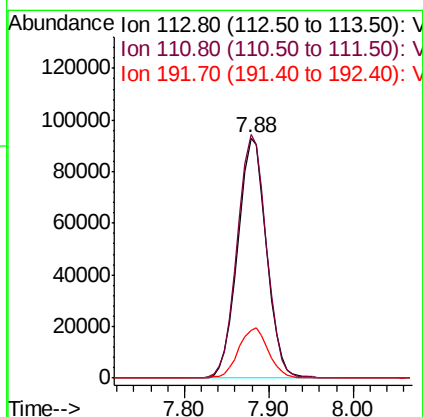
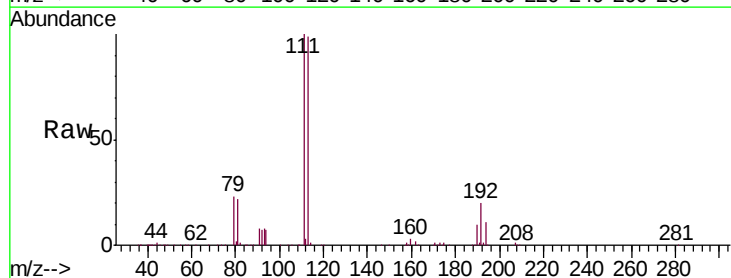
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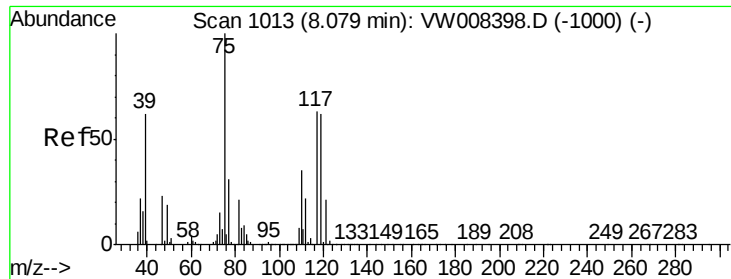
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	43.6
88	14.4	0.0	31.8



#35
 Dibromofluoromethane
 Concen: 54.303 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008631.D
 Acq: 12 Feb 2019 18:59

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.0	121.4
192	21.6	16.8	25.2

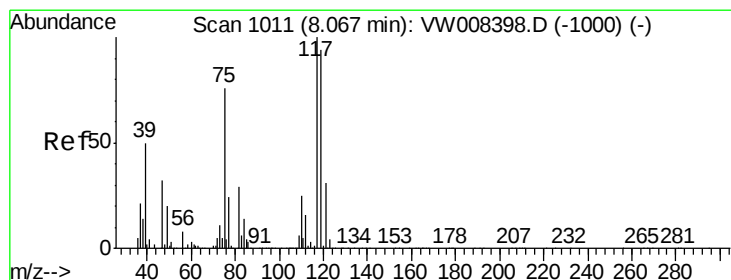
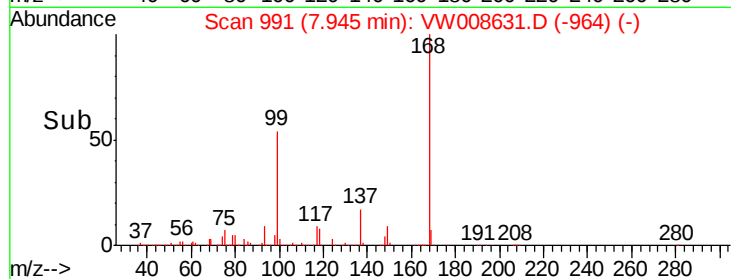
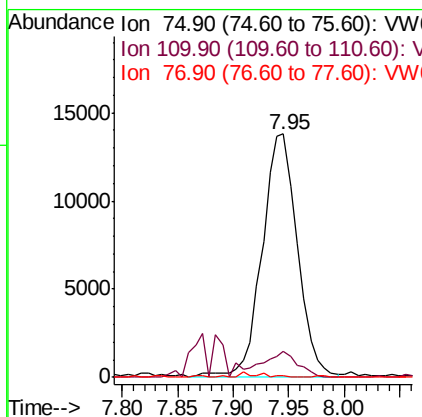
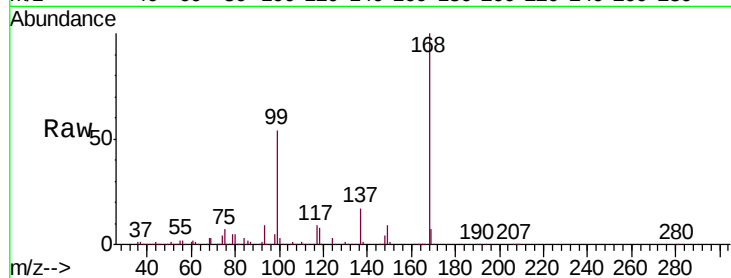




#36
 1,1-Dichloropropene
 Concen: 4.727 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008631.D
 Acq: 12 Feb 2019 18:59

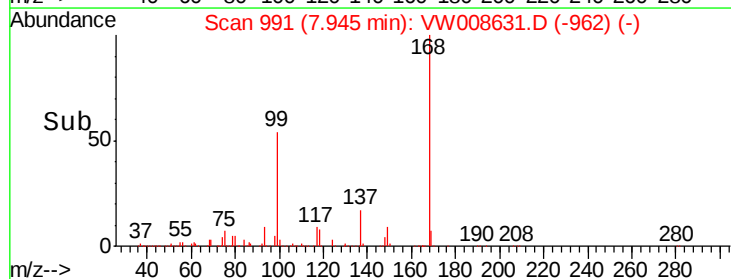
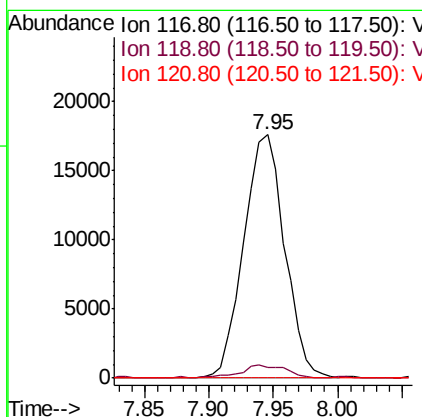
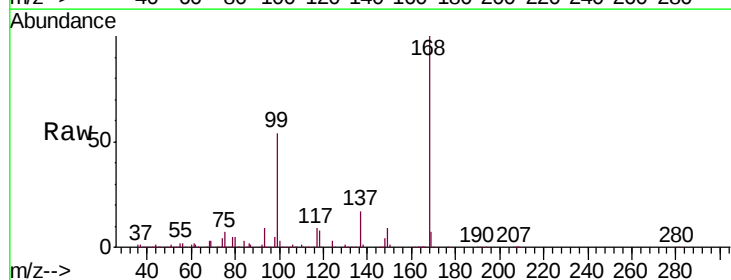
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-H

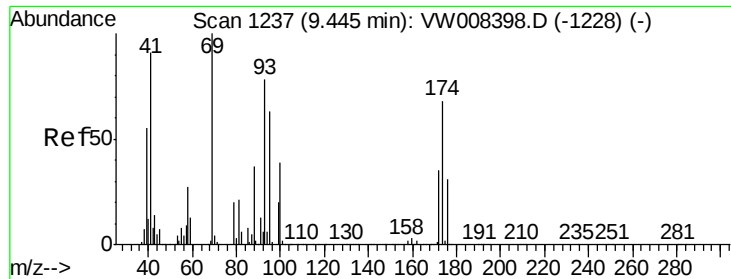
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	17.3	52.0#
77	0.6	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.066 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008631.D
 Acq: 12 Feb 2019 18:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	75.0	112.4#
121	0.0	24.9	37.3#

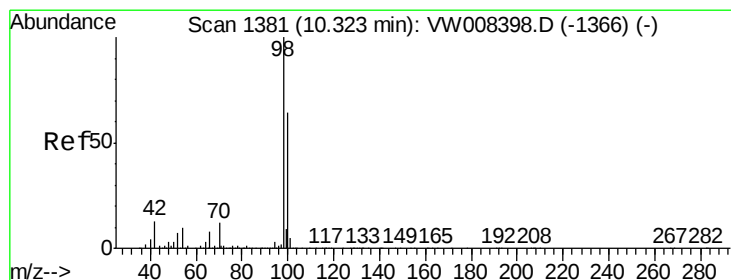
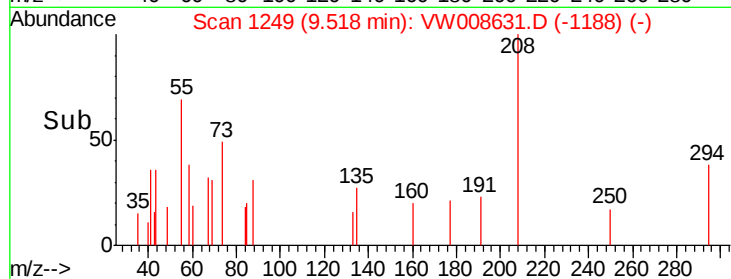
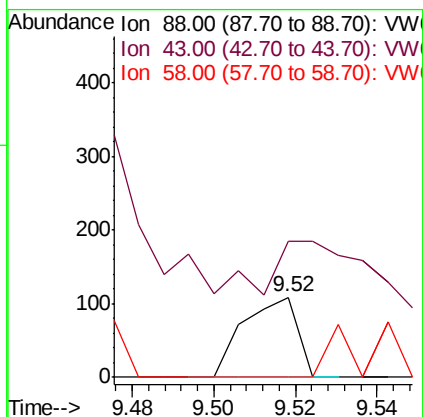
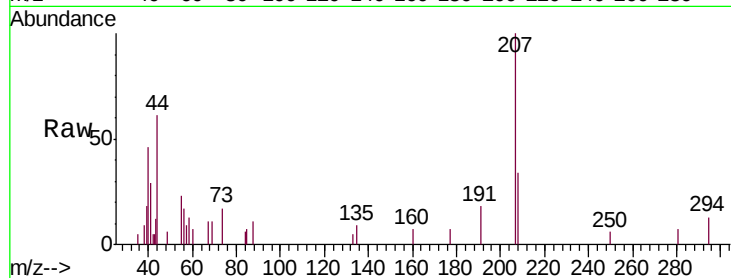




#49
1,4-Dioxane
Concen: 2.613 ug/l
RT: 9.52 min Scan# 1249
Delta R.T. 0.07 min
Lab File: VW008631.D
Acq: 12 Feb 2019 18:59

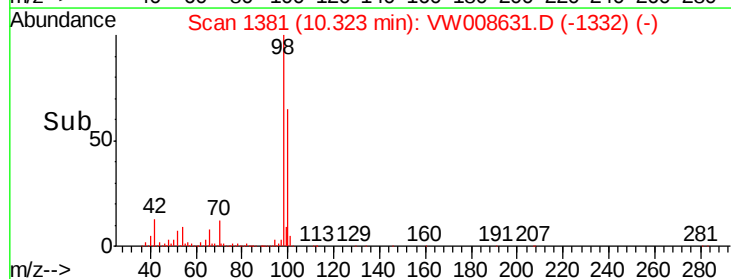
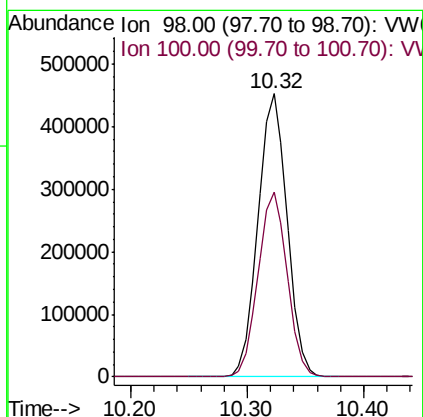
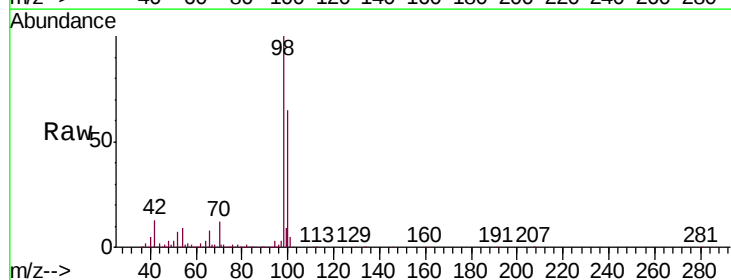
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-H

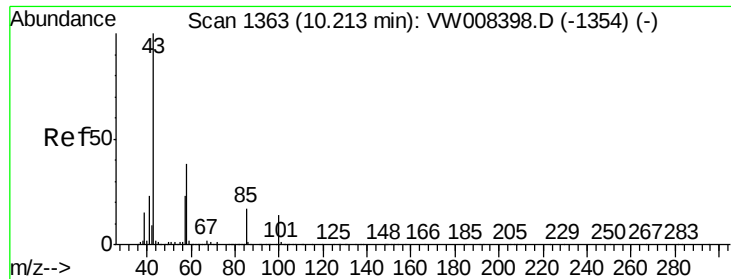
Tgt Ion: 88 Resp: 100
Ion Ratio Lower Upper
88 100
43 127.0 29.0 43.4#
58 0.0 56.4 84.6#



#50
Toluene-d8
Concen: 50.128 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008631.D
Acq: 12 Feb 2019 18:59

Tgt Ion: 98 Resp: 791612
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

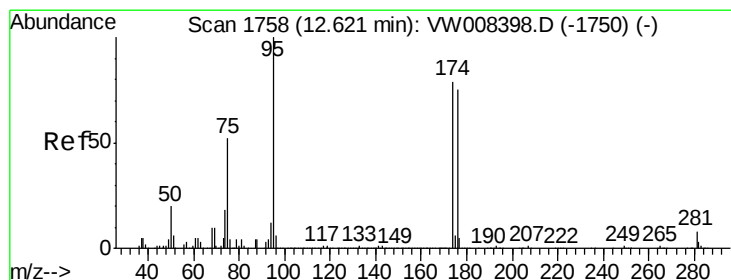
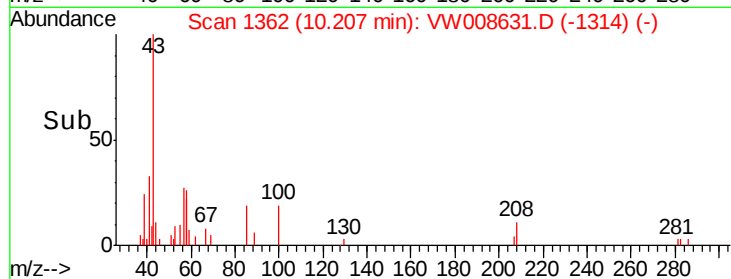
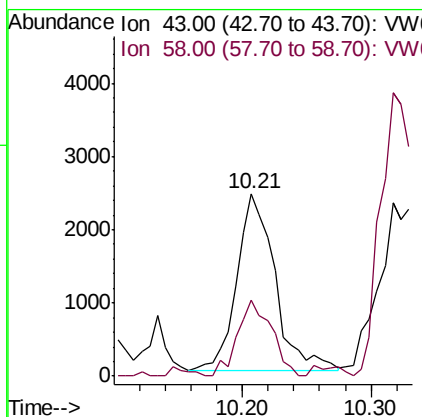
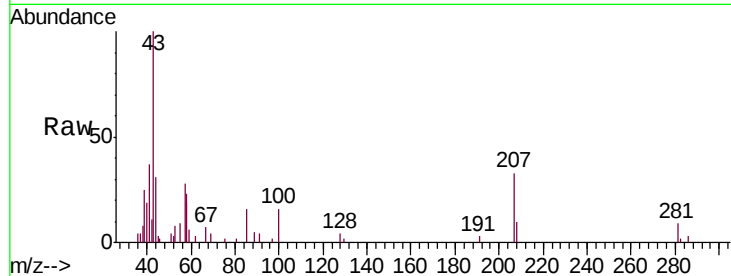




#51
4-Methyl-2-Pentanone
Concen: 1.697 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008631.D
Acq: 12 Feb 2019 18:59

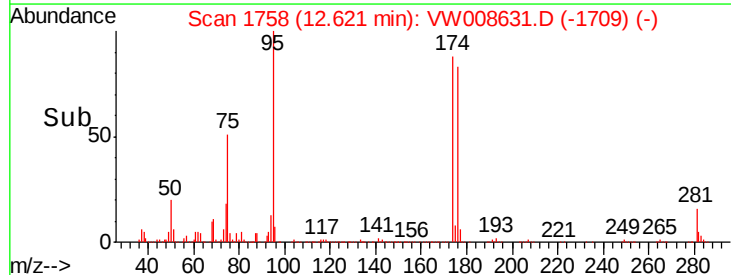
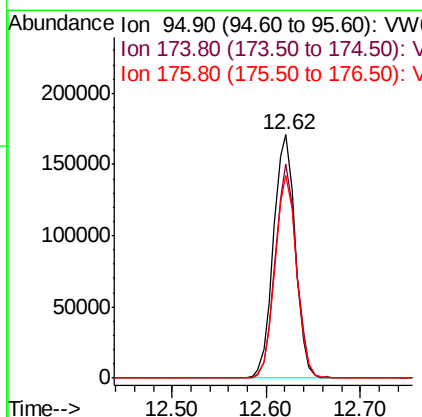
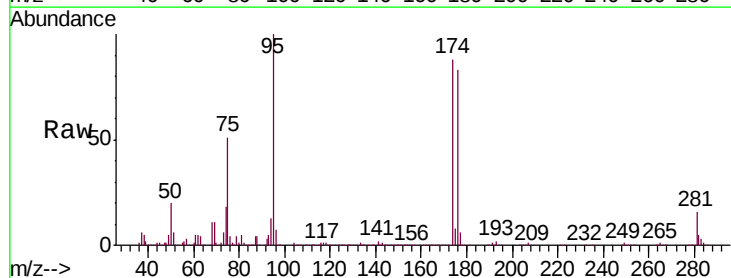
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-H

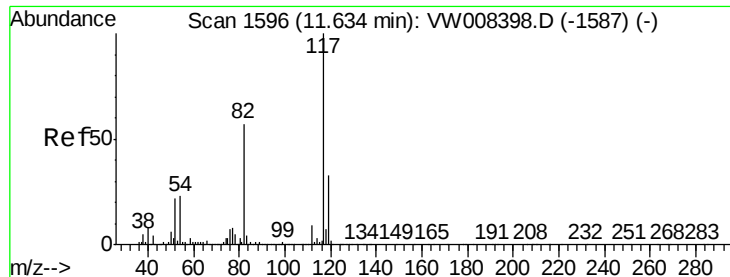
Tgt Ion: 43 Resp: 4902
Ion Ratio Lower Upper
43 100
58 38.6 29.7 44.5



#62
4-Bromofluorobenzene
Concen: 45.354 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008631.D
Acq: 12 Feb 2019 18:59

Tgt Ion: 95 Resp: 275304
Ion Ratio Lower Upper
95 100
174 85.5 0.0 157.6
176 82.4 0.0 151.8

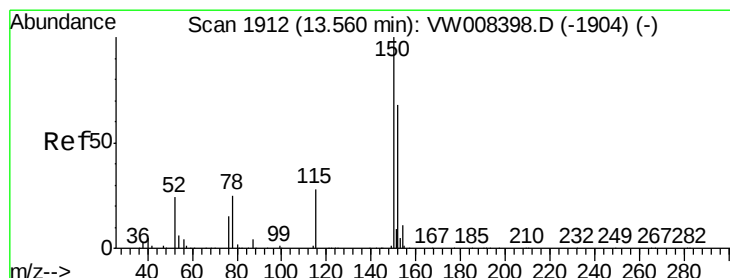
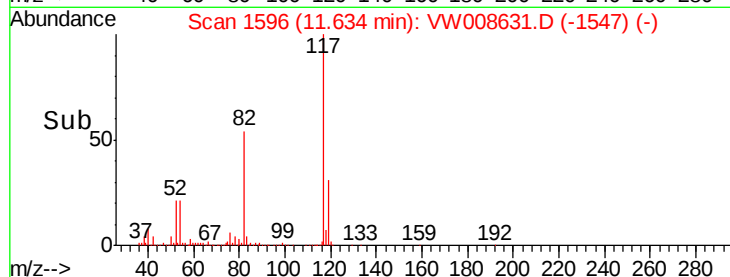
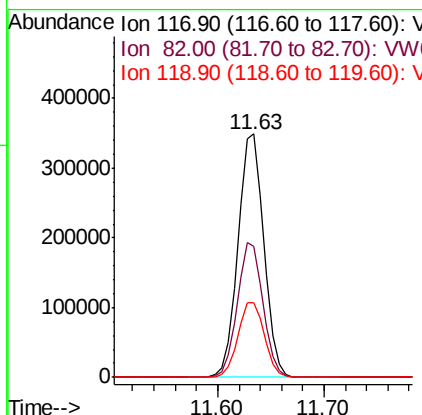
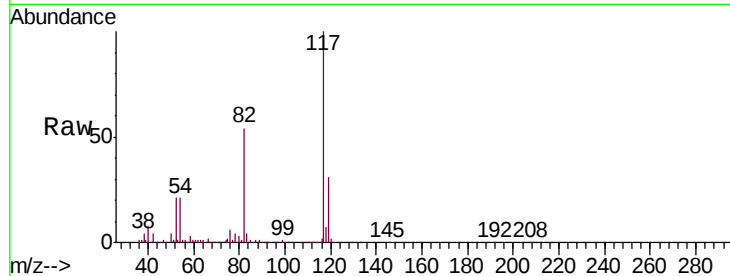




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008631.D
Acq: 12 Feb 2019 18:59

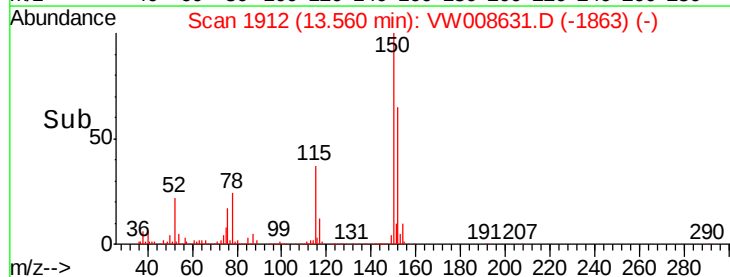
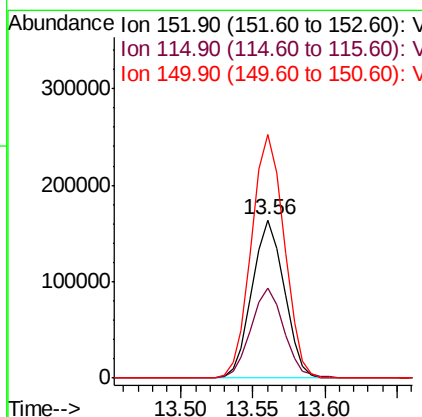
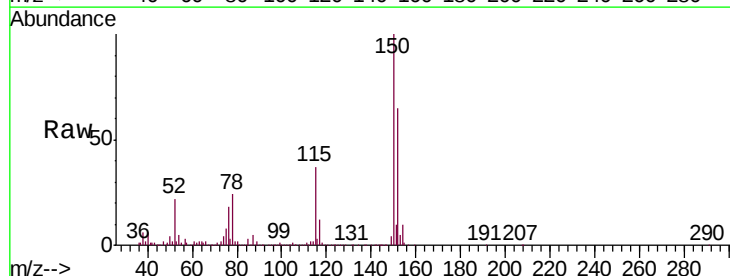
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-H

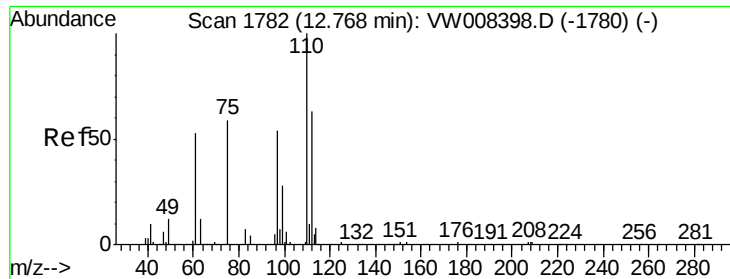
Tgt Ion:117 Resp: 595373
Ion Ratio Lower Upper
117 100
82 53.9 45.4 68.0
119 30.9 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008631.D
Acq: 12 Feb 2019 18:59

Tgt Ion:152 Resp: 254359
Ion Ratio Lower Upper
152 100
115 58.8 29.9 89.7
150 156.5 0.0 351.4

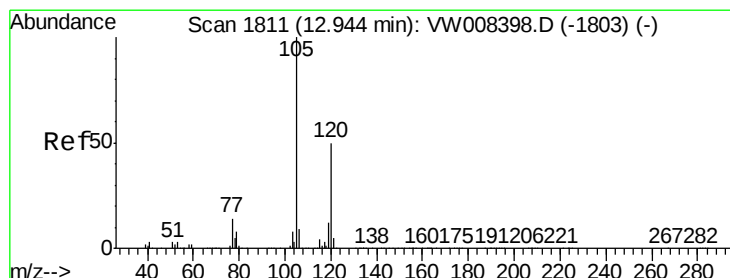
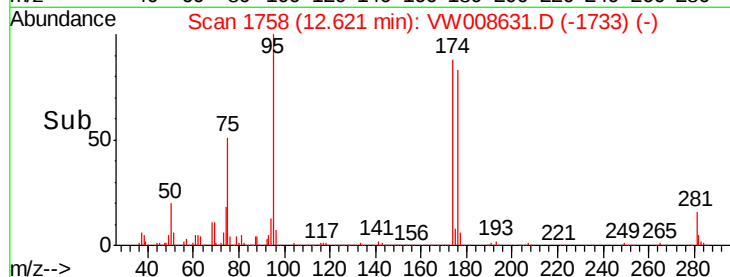
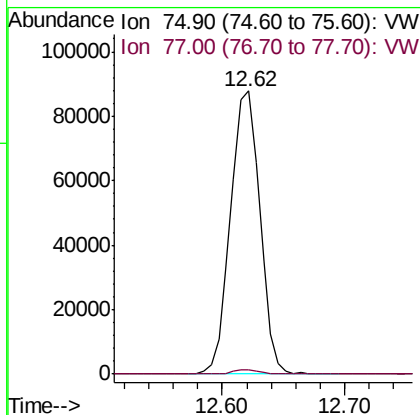
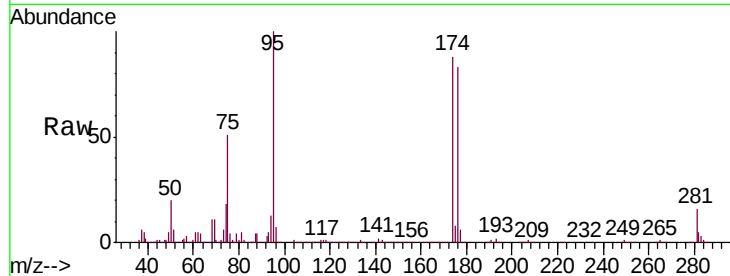




#76
 1,2,3-Trichloropropane
 Concen: 66.117 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008631.D
 Acq: 12 Feb 2019 18:59

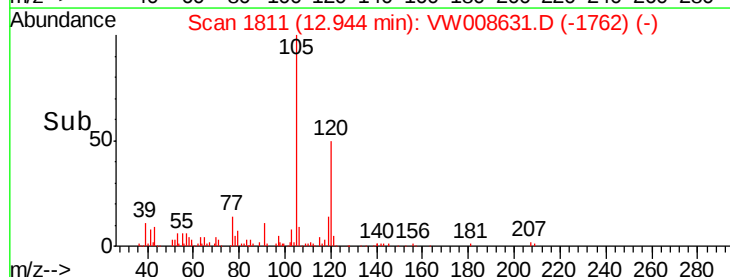
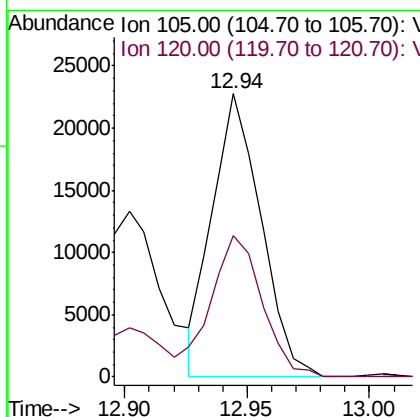
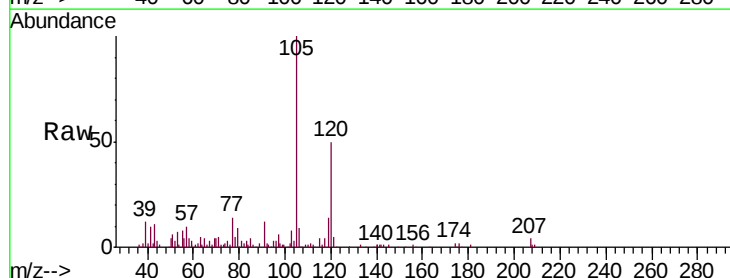
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-H

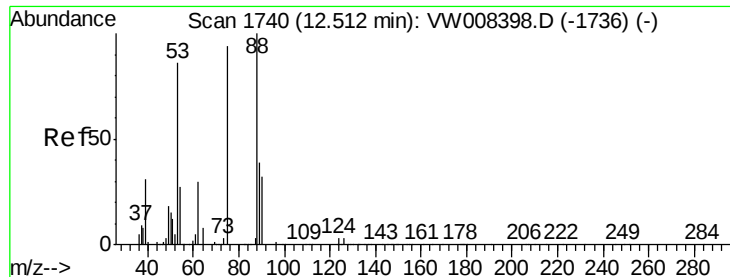
Tgt Ion: 75 Resp: 146217
 Ion Ratio Lower Upper
 75 100
 77 1.5 180.7 542.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.986 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008631.D
 Acq: 12 Feb 2019 18:59

Tgt Ion: 105 Resp: 31473
 Ion Ratio Lower Upper
 105 100
 120 53.1 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 130.587 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008631.D

Acq: 12 Feb 2019 18:59

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-H

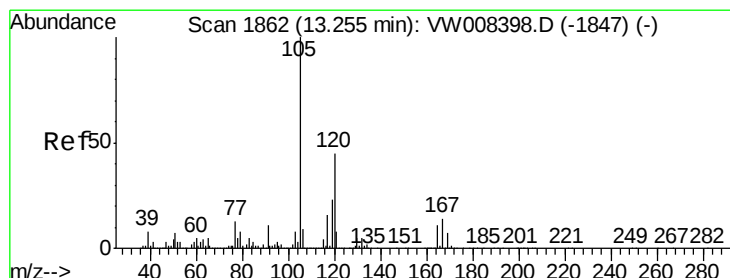
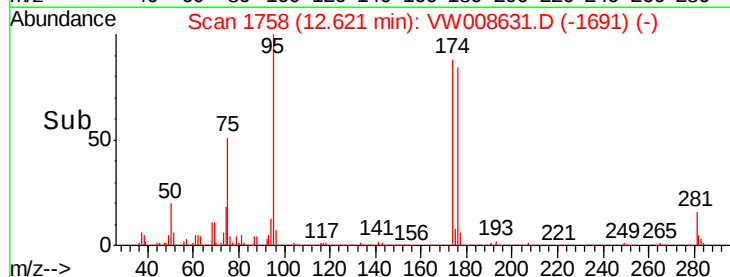
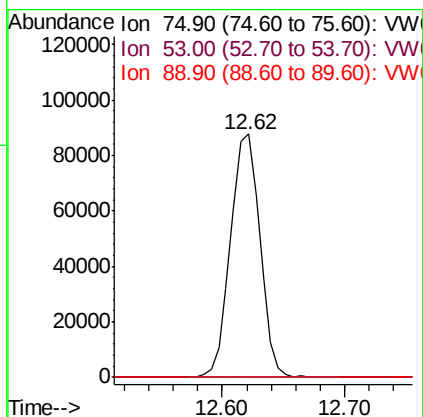
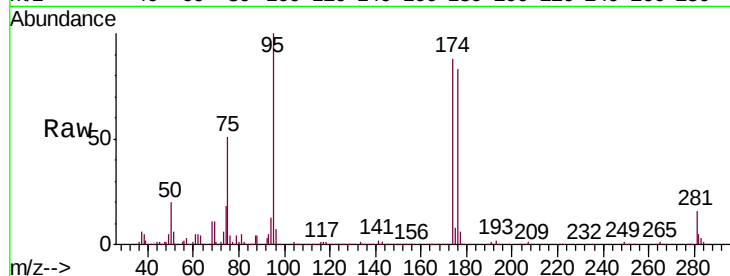
Tgt Ion: 75 Resp: 146217

Ion Ratio Lower Upper

75 100

53 0.1 76.0 114.0#

89 0.0 35.4 53.0#



#84

1,2,4-Trimethylbenzene

Concen: 2.993 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008631.D

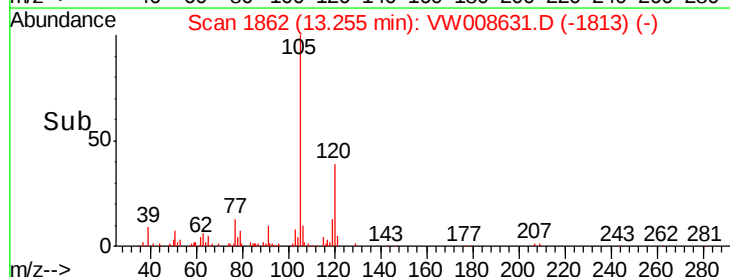
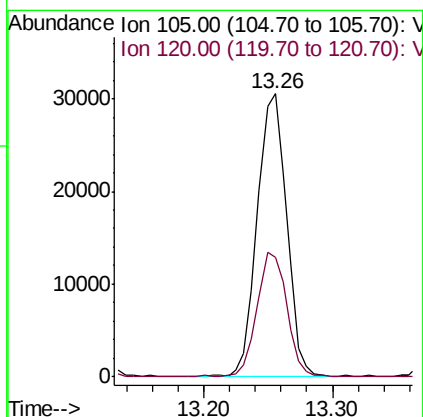
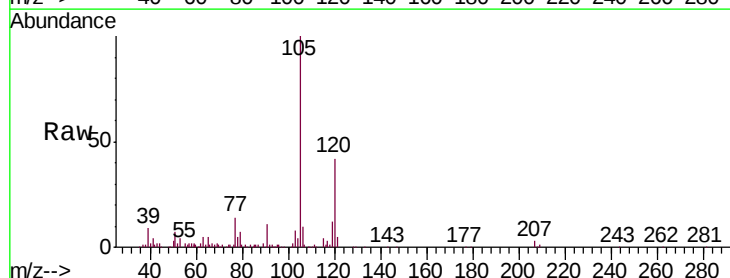
Acq: 12 Feb 2019 18:59

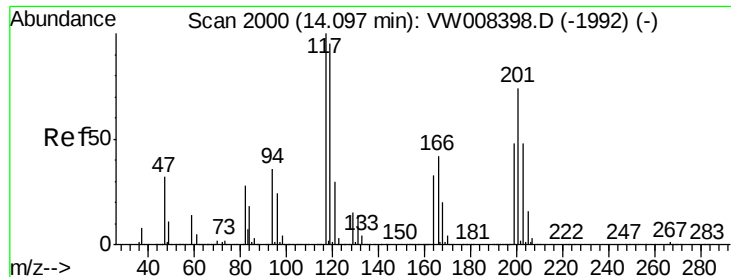
Tgt Ion: 105 Resp: 48221

Ion Ratio Lower Upper

105 100

120 44.6 23.1 69.2

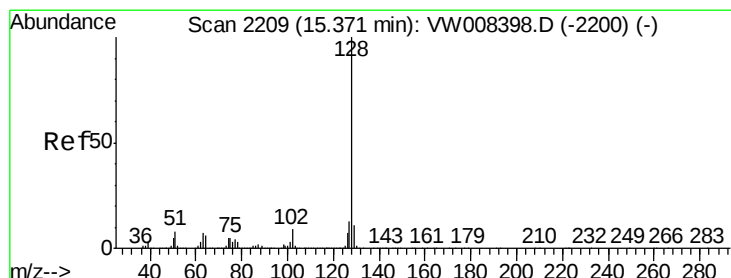
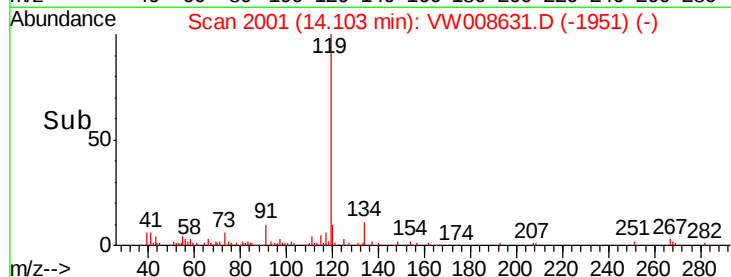
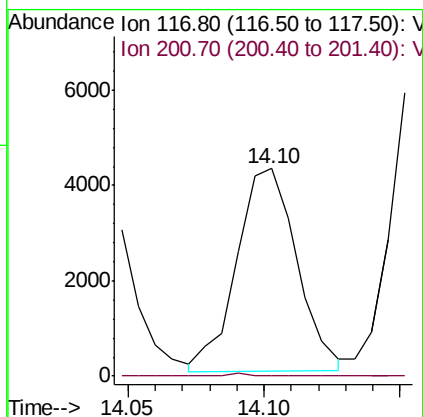
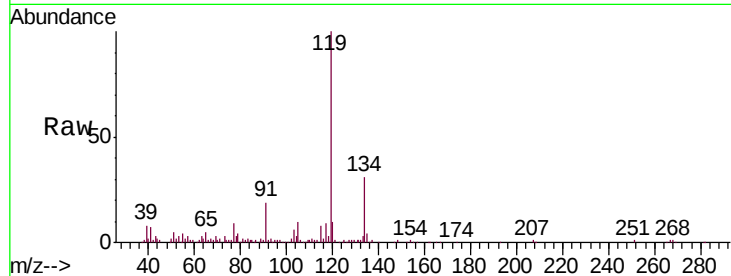




#90
Hexachloroethane
Concen: 1.881 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW008631.D
Acq: 12 Feb 2019 18:59

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

Tgt Ion:117 Resp: 6490
Ion Ratio Lower Upper
117 100
201 0.3 39.1 117.5#



#95
Naphthalene
Concen: 2.448 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW008631.D
Acq: 12 Feb 2019 18:59

Tgt Ion:128 Resp: 22704
Ion Ratio Lower Upper
128 100
127 14.8 10.6 15.8
129 7.5 8.7 13.1#

