

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011619\
 Data File : VF061430.D
 Acq On : 17 Jan 2019 00:00
 Operator : VA/AP
 Sample : K1157-08
 Misc : 5.07g/5mL/MSVOA-F/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WC-04-011519

Quant Time: Jan 17 03:00:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	1464	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	1789	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	170	9.41	ug/l	0.00
Spiked Amount			Recovery	=	18.82%	
35) Dibromofluoromethane	4.08	113	327	23.16	ug/l	-0.03
Spiked Amount			Recovery	=	46.32%	
50) Toluene-d8	7.54	98	1441	37.26	ug/l	0.00
Spiked Amount			Recovery	=	74.52%	
62) 4-Bromofluorobenzene	11.40	95	221	12.23	ug/l	0.00
Spiked Amount			Recovery	=	24.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.10	50	223	10.573	ug/l #	44
5) Bromomethane	1.28	94	227	18.554	ug/l #	2
6) Chloroethane	1.45	64	71	8.540	ug/l #	3
8) Diethyl Ether	1.60	74	91	19.471	ug/l	49
10) Methyl Iodide	1.78	142	86	3.165	ug/l #	27
12) 1,1-Dichloroethene	1.77	96	121	9.293	ug/l #	1
13) Acrolein	1.98	56	137	209.633	ug/l #	27
14) Allyl chloride	2.09	41	402	26.964	ug/l #	53
15) Acrylonitrile	2.92	53	162	82.663	ug/l #	27
16) Acetone	2.22	43	1266	349.140	ug/l #	61
17) Carbon Disulfide	1.78	76	108	2.660	ug/l #	69
18) Methyl Acetate	2.31	43	423	58.823	ug/l #	61
19) Methyl tert-butyl Ether	2.47	73	97	3.323	ug/l #	1
20) Methylene Chloride	2.14	84	63	3.483	ug/l #	1
21) trans-1,2-Dichloroethene	2.30	96	77	5.375	ug/l #	1
22) Diisopropyl ether	2.79	45	352	7.597	ug/l #	52
23) Vinyl Acetate	3.18	43	492	27.025	ug/l #	78
24) 1,1-Dichloroethane	2.86	63	153	5.261	ug/l #	85
25) 2-Butanone	4.34	43	250	41.460	ug/l #	57
26) 2,2-Dichloropropane	3.66	77	60	3.358	ug/l #	61
27) cis-1,2-Dichloroethene	3.45	96	94	4.445	ug/l	1
28) Bromochloromethane	3.74	49	87	6.655	ug/l #	8
29) Tetrahydrofuran	4.05	42	166	63.933	ug/l #	38
31) Cyclohexane	3.69	56	63	2.169	ug/l #	13
32) 1,1,1-Trichloroethane	4.11	97	65	2.259	ug/l #	22
37) Ethyl Acetate	4.11	43	163	19.659	ug/l #	5
41) Methacrylonitrile	4.71	41	207	46.918	ug/l #	29
43) Isopropyl Acetate	6.94	43	266	25.561	ug/l #	51
46) Dibromomethane	6.09	93	89	11.049	ug/l #	6
47) Bromodichloromethane	6.49	83	69	3.462	ug/l #	24
48) Methyl methacrylate	6.74	41	147	21.036	ug/l #	19
49) 1,4-Dioxane	7.11	88	61	1269.239	ug/l #	23
51) 4-Methyl-2-Pentanone	8.21	43	172	22.483	ug/l #	39
52) Toluene	7.72	92	66	2.171	ug/l #	1

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

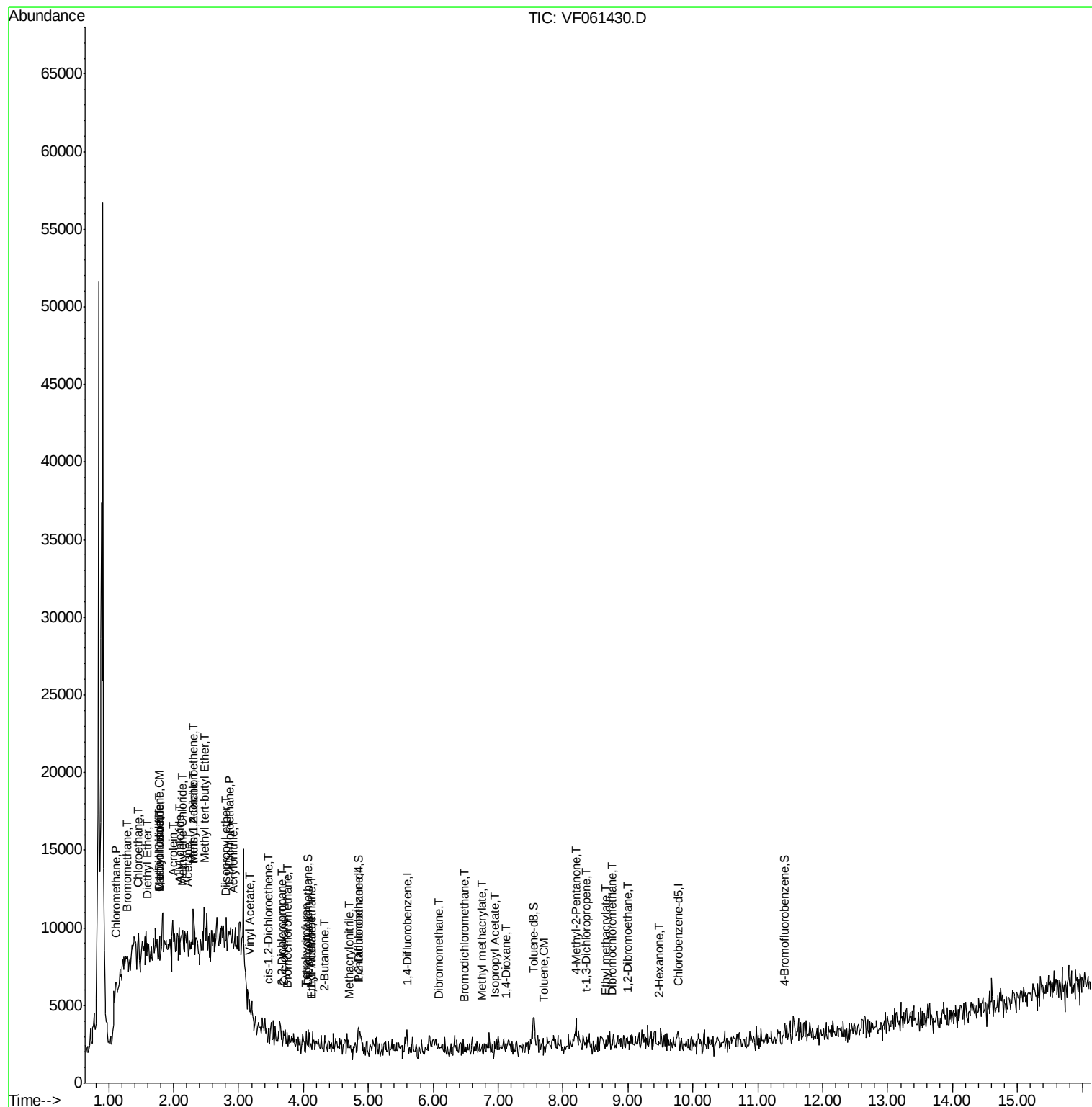
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) t-1,3-Dichloropropene	8.36	75	61	3.855	ug/l #	44
56) Ethyl methacrylate	8.65	69	60	5.975	ug/l #	21
59) 2-Hexanone	9.48	43	95	17.808	ug/l #	26
60) Dibromochloromethane	8.75	129	83	6.578	ug/l #	10
61) 1,2-Dibromoethane	8.99	107	75	7.590	ug/l #	5

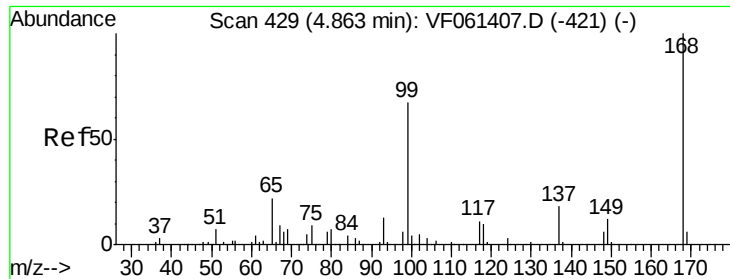
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

Instrument :

MSVOA_F

ClientSampleId :

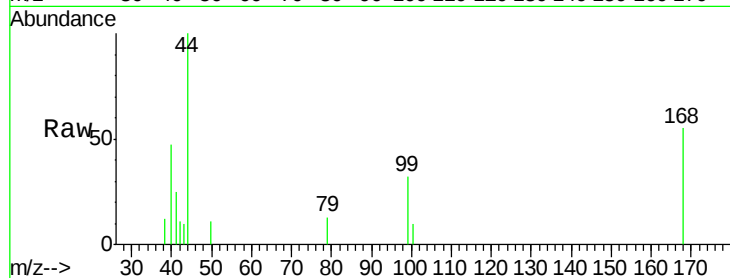
WC-04-011519

Tot Ion:168 Resp: 1464

Ion Ratio Lower Upper

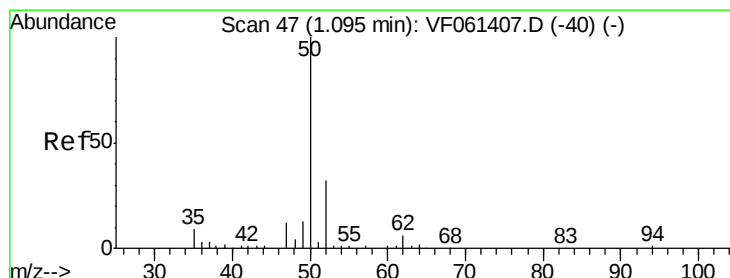
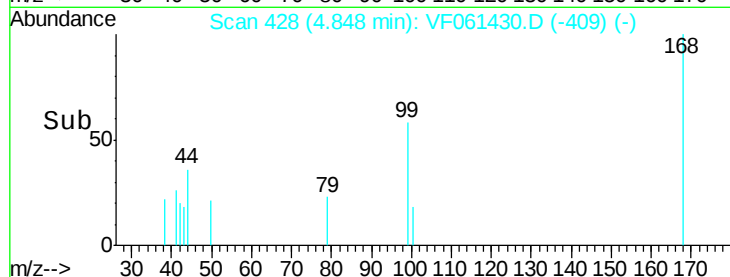
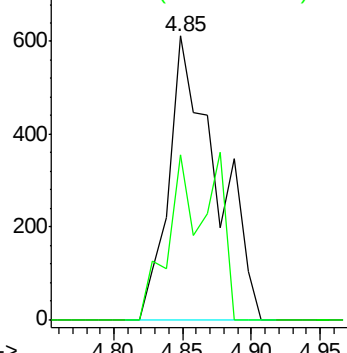
168 100

99 57.8 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 10.573 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061430.D

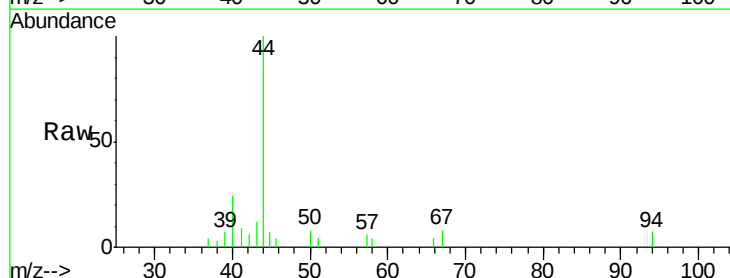
Acq: 17 Jan 2019 00:00

Tgt Ion: 50 Resp: 223

Ion Ratio Lower Upper

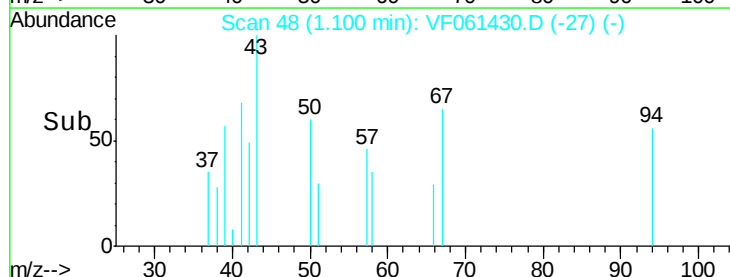
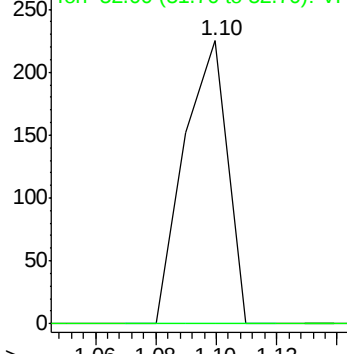
50 100

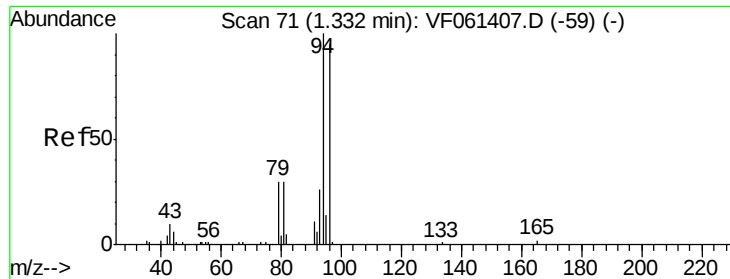
52 0.0 24.6 36.8#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#5

Bromomethane

Concen: 18.554 ug/l

RT: 1.28 min Scan# 66

Delta R.T. -0.05 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

Instrument :

MSVOA_F

ClientSampleId :

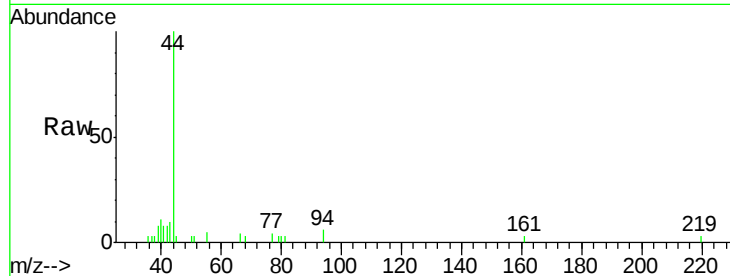
WC-04-011519

Tot Ion: 94 Resp: 227

Ion Ratio Lower Upper

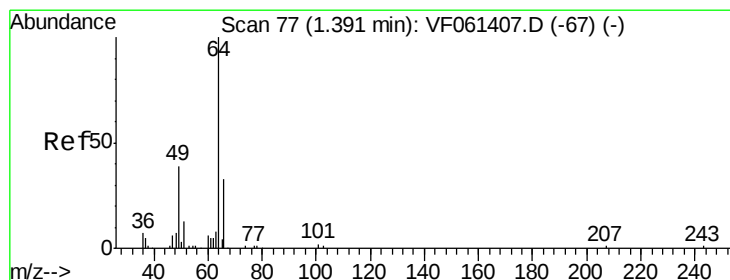
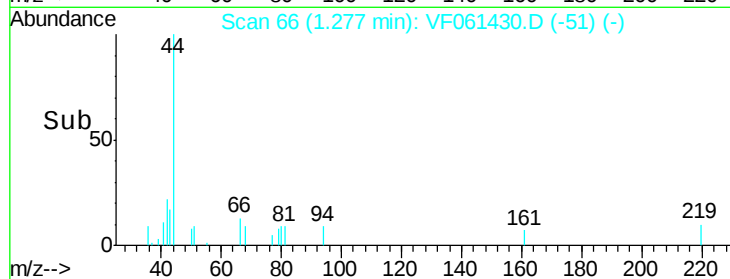
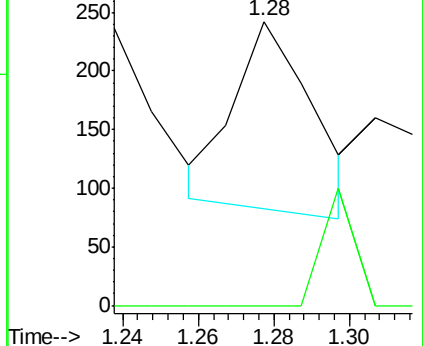
94 100

96 0.0 76.0 114.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 8.540 ug/l

RT: 1.45 min Scan# 84

Delta R.T. 0.06 min

Lab File: VF061430.D

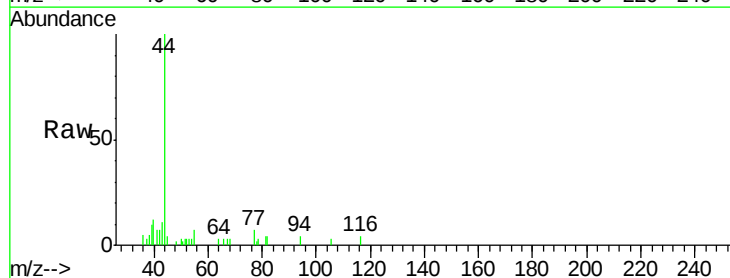
Acq: 17 Jan 2019 00:00

Tgt Ion: 64 Resp: 71

Ion Ratio Lower Upper

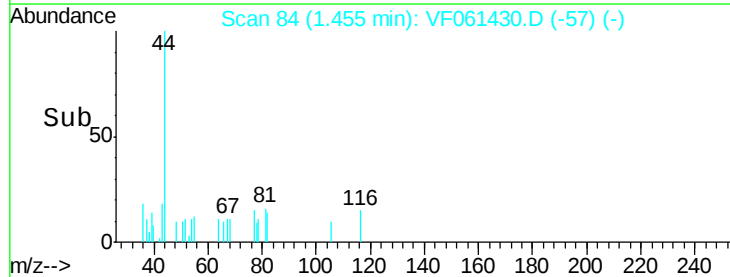
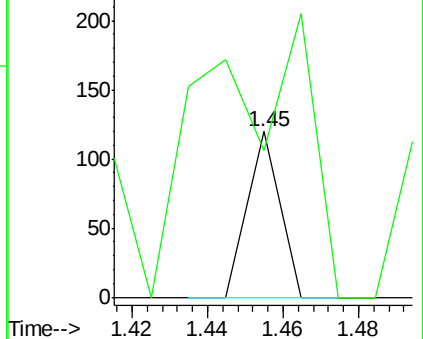
64 100

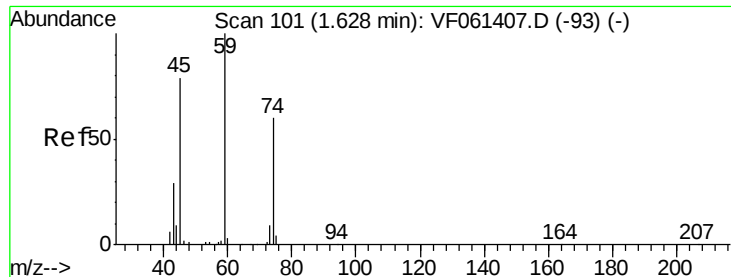
66 88.3 26.6 40.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#8

Diethyl Ether

Concen: 19.471 ug/l

RT: 1.60 min Scan# 99

Delta R.T. -0.03 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

Instrument :

MSVOA_F

ClientSampleId :

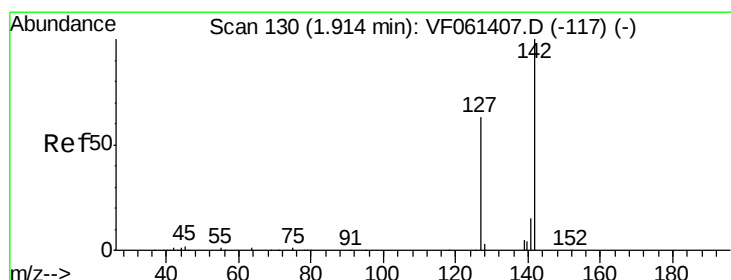
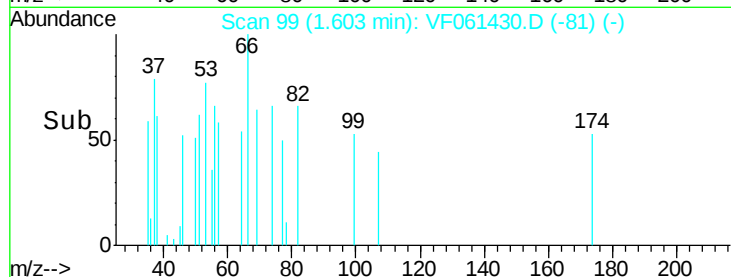
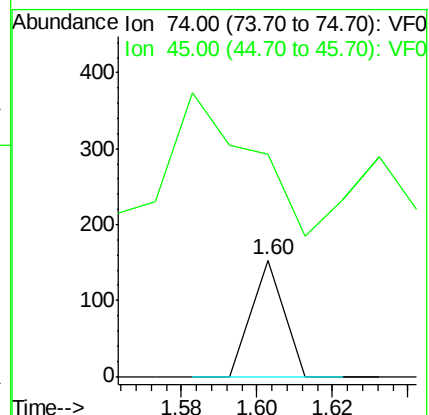
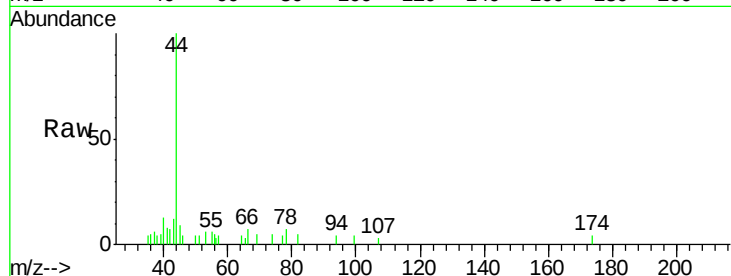
WC-04-011519

Tot Ion: 74 Resp: 91

Ion Ratio Lower Upper

74 100

45 191.5 65.8 197.5



#10

Methyl Iodide

Concen: 3.165 ug/l

RT: 1.78 min Scan# 117

Delta R.T. -0.13 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

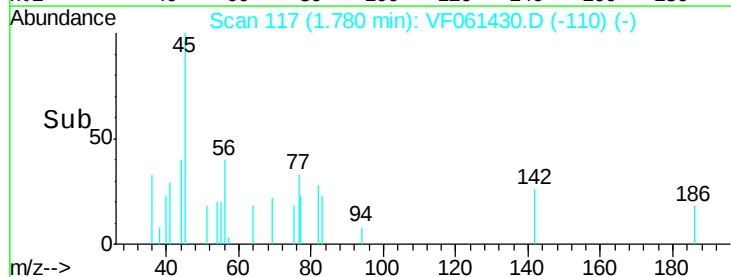
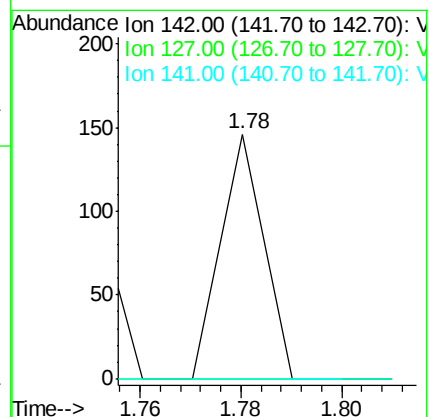
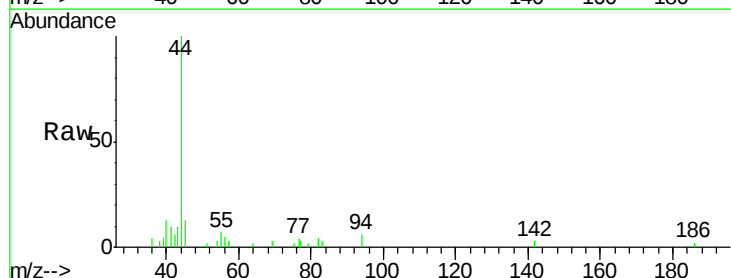
Tgt Ion: 142 Resp: 86

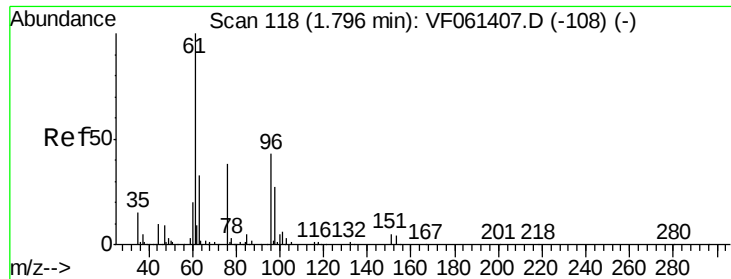
Ion Ratio Lower Upper

142 100

127 0.0 50.7 76.1#

141 0.0 11.8 17.6#





#12

1,1-Dichloroethene

Concen: 9.293 ug/l

RT: 1.77 min Scan# 116

Delta R.T. -0.03 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

Instrument :

MSVOA_F

ClientSampleId :

WC-04-011519

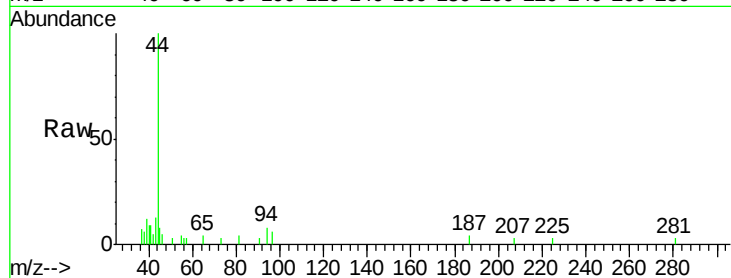
Tot Ion: 96 Resp: 121

Ion Ratio Lower Upper

96 100

61 0.0 186.9 280.3#

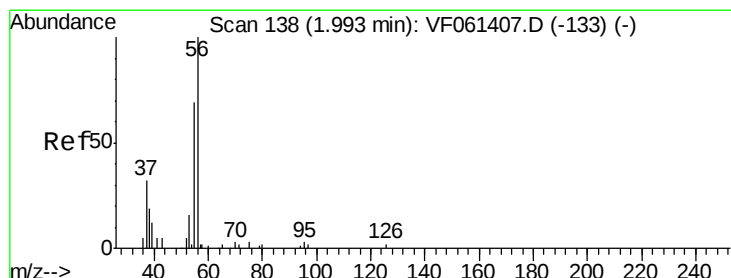
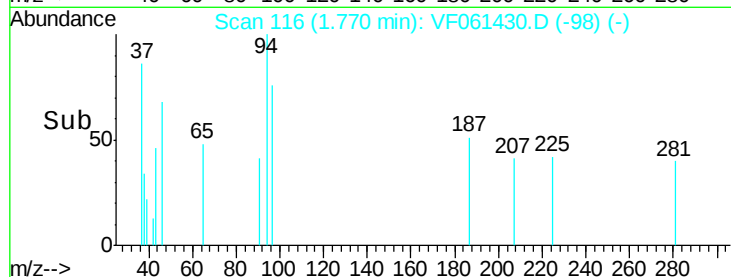
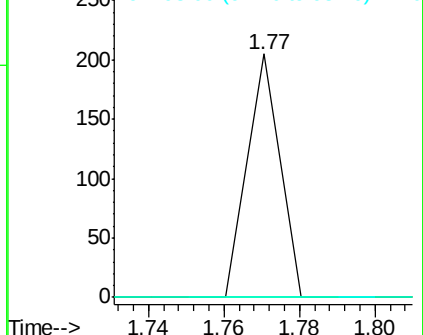
98 0.0 53.0 79.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#13

Acrolein

Concen: 209.633 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF061430.D

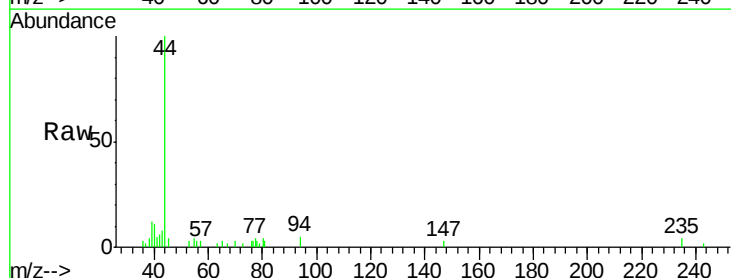
Acq: 17 Jan 2019 00:00

Tgt Ion: 56 Resp: 137

Ion Ratio Lower Upper

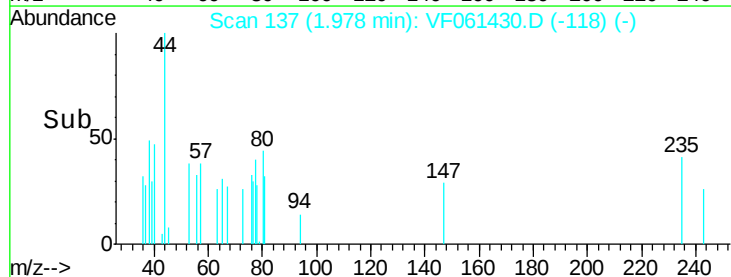
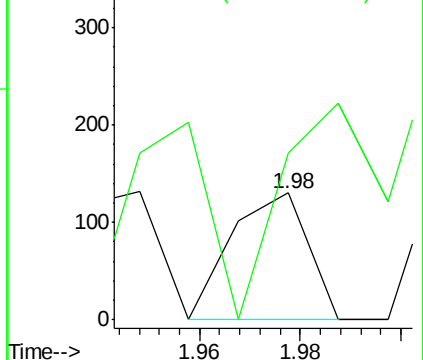
56 100

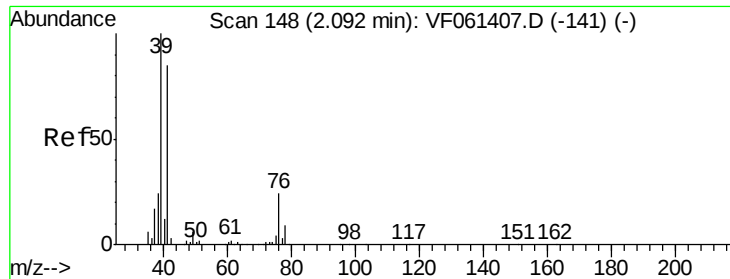
55 132.3 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#14

Allvl chloride

Concen: 26.964 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061430.D

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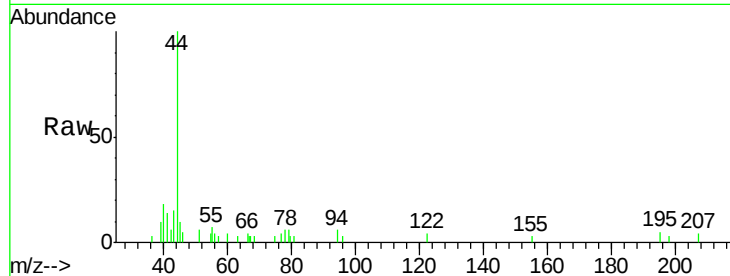
Tot Ion: 41 Resp: 402

Ion Ratio Lower Upper

41 100

39 69.2 94.6 141.8#

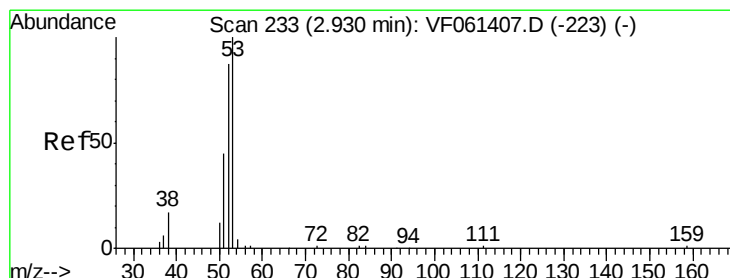
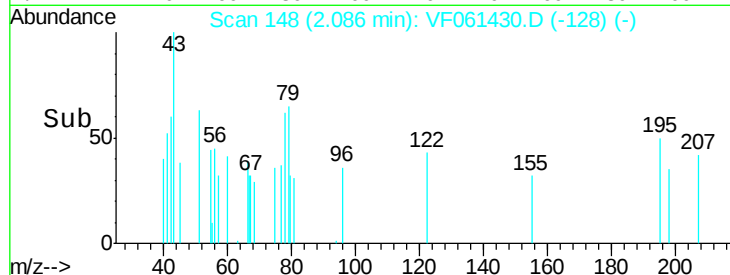
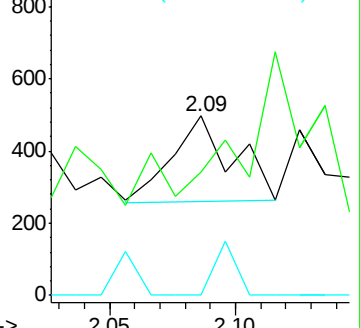
76 0.0 25.9 38.9#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



#15

Acrylonitrile

Concen: 82.663 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

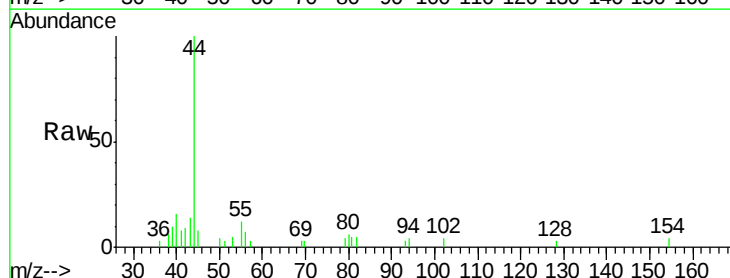
Tgt Ion: 53 Resp: 162

Ion Ratio Lower Upper

53 100

52 0.0 69.6 104.4#

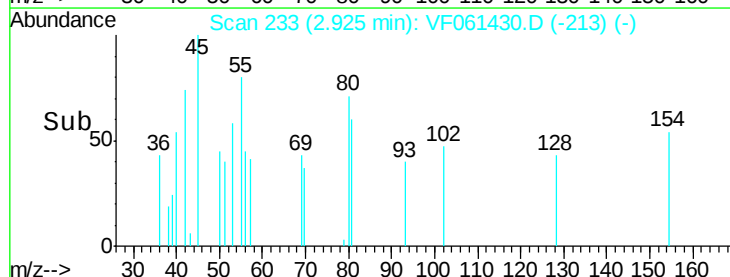
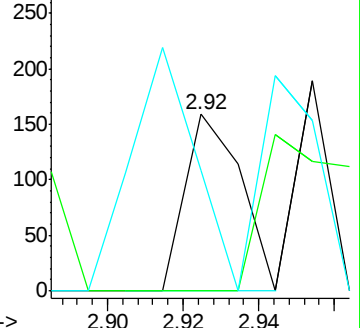
51 67.9 36.8 55.2#

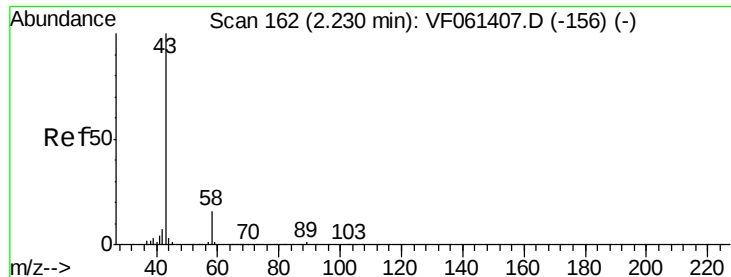


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

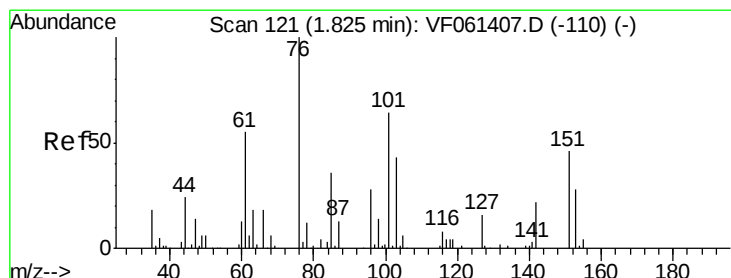
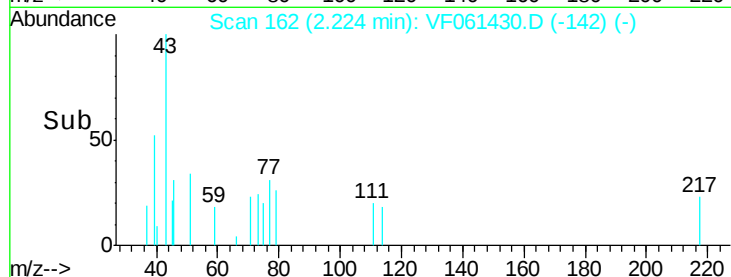
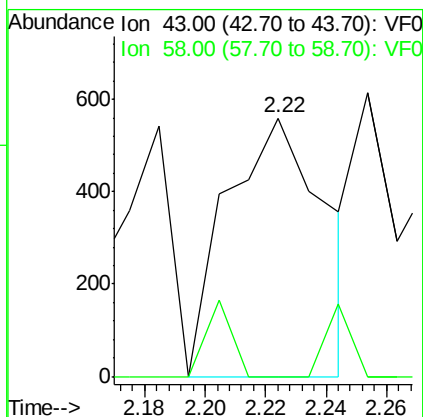
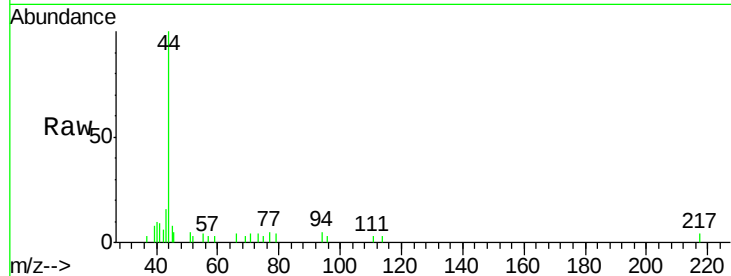




#16
Acetone
Concen: 349.140 ug/l
RT: 2.22 min Scan# 162
Delta R.T. -0.01 min
Lab File: VF061430.D
Acq: 17 Jan 2019 00:00

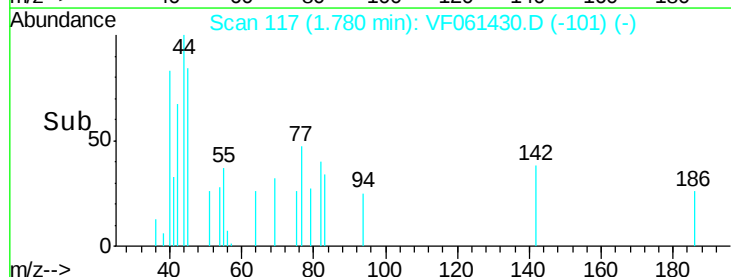
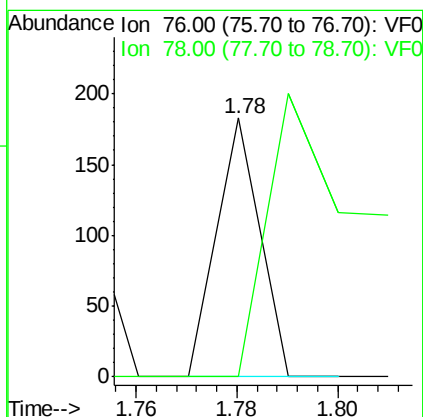
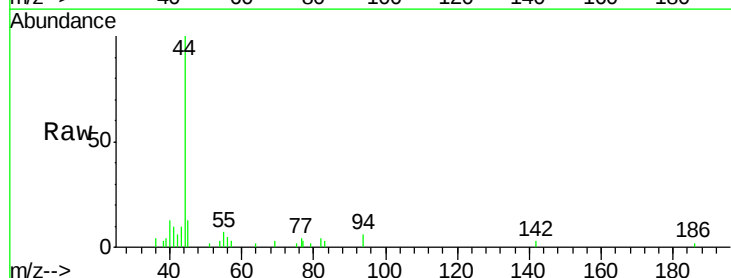
Instrument :
MSVOA_F
ClientSampleId :
WC-04-011519

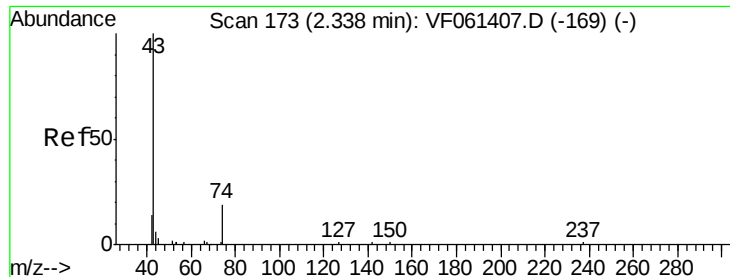
Tot Ion: 43 Resp: 1266
Ion Ratio Lower Upper
43 100
58 0.0 13.3 19.9#



#17
Carbon Disulfide
Concen: 2.660 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.04 min
Lab File: VF061430.D
Acq: 17 Jan 2019 00:00

Tgt Ion: 76 Resp: 108
Ion Ratio Lower Upper
76 100
78 0.0 9.6 14.4#

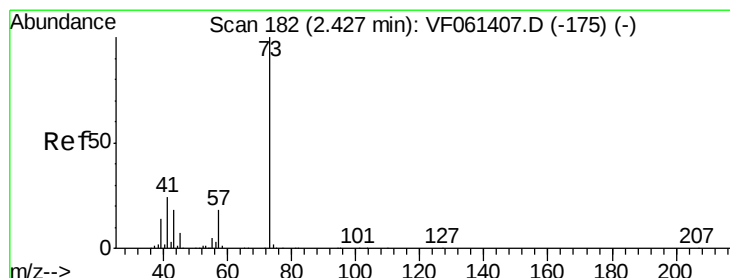
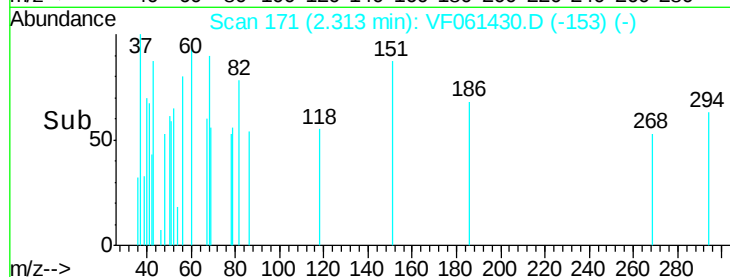
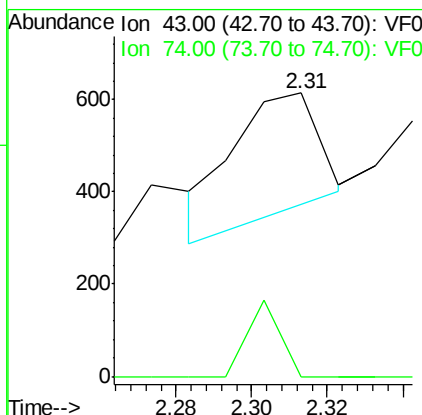
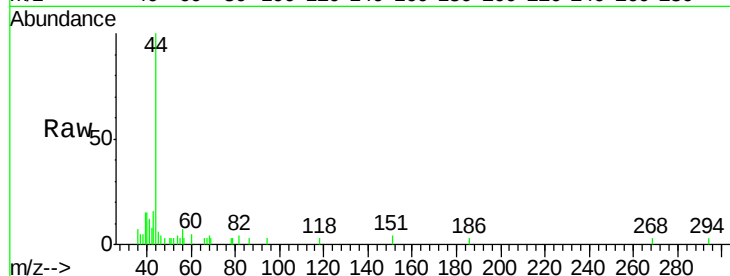




#18
Methyl Acetate
Concen: 58.823 ug/l
RT: 2.31 min Scan# 171
Delta R.T. -0.03 min
Lab File: VF061430.D
Acq: 17 Jan 2019 00:00

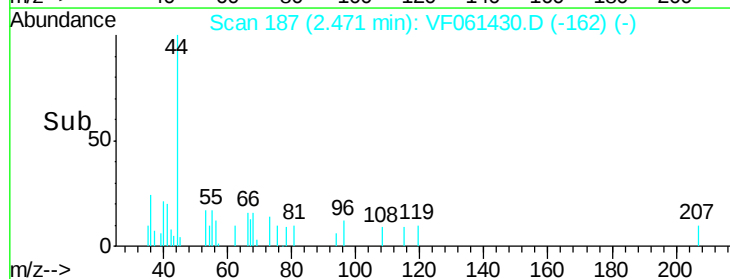
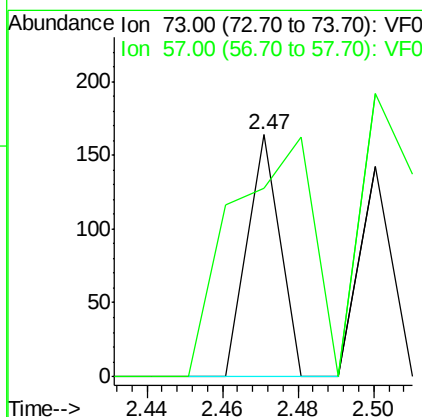
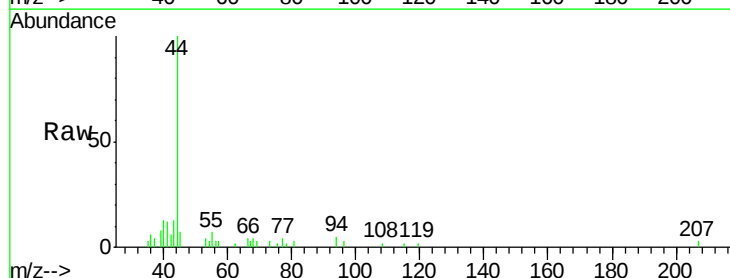
Instrument :
MSVOA_F
ClientSampleId :
WC-04-011519

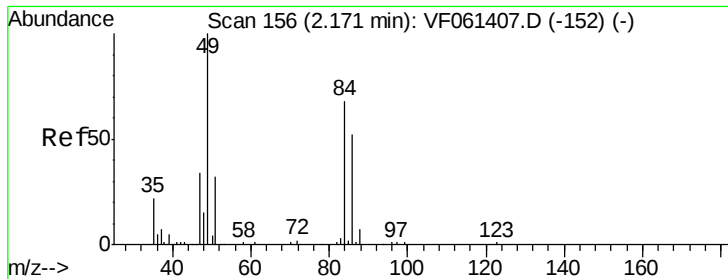
Tot Ion: 43 Resp: 423
Ion Ratio Lower Upper
43 100
74 0.0 13.4 20.0#



#19
Methyl tert-butyl Ether
Concen: 3.323 ug/l
RT: 2.47 min Scan# 187
Delta R.T. 0.04 min
Lab File: VF061430.D
Acq: 17 Jan 2019 00:00

Tgt Ion: 73 Resp: 97
Ion Ratio Lower Upper
73 100
57 78.0 14.8 22.2#

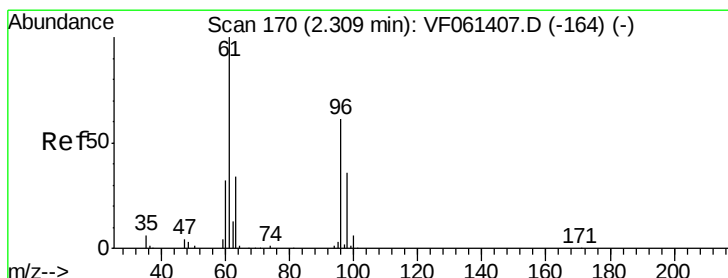
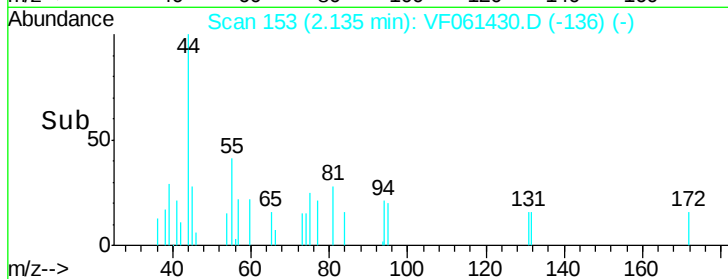
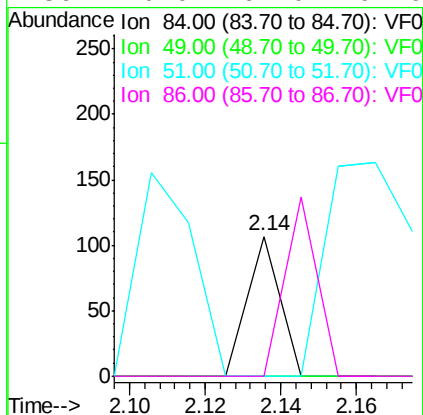
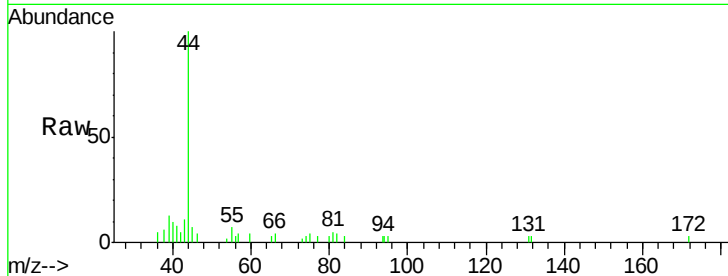




#20
Methvlene Chloride
Concen: 3.483 ug/l
RT: 2.14 min Scan# 153
Delta R.T. -0.03 min
Lab File: VF061430.D
Acq: 17 Jan 2019 00:00

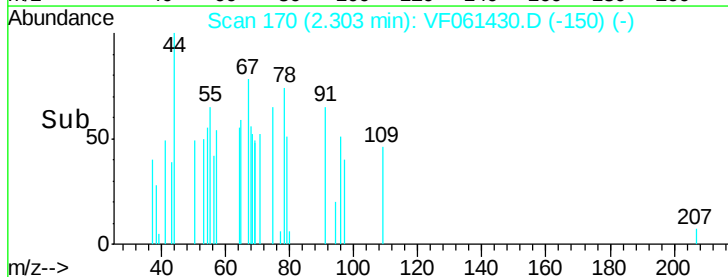
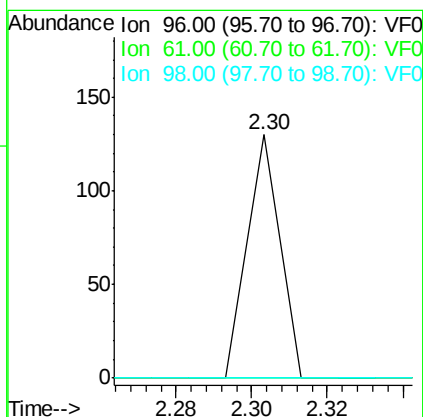
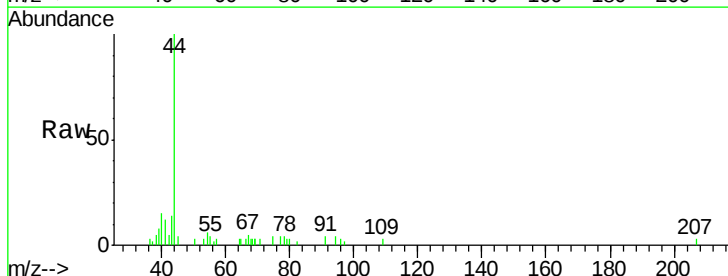
Instrument :
MSVOA_F
ClientSampleId :
WC-04-011519

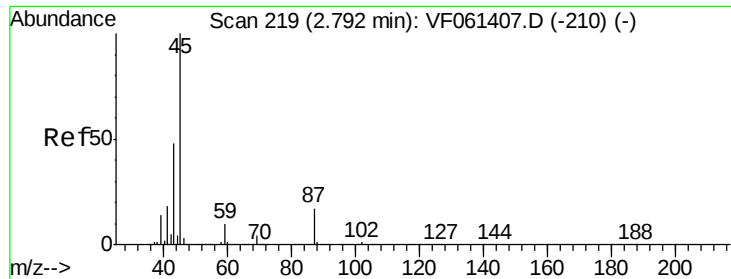
Tot Ion: 84 Resp: 63
Ion Ratio Lower Upper
84 100
49 0.0 120.0 180.0#
51 0.0 38.6 58.0#
86 0.0 61.0 91.6#



#21
trans-1,2-Dichloroethene
Concen: 5.375 ug/l
RT: 2.30 min Scan# 170
Delta R.T. -0.01 min
Lab File: VF061430.D
Acq: 17 Jan 2019 00:00

Tgt Ion: 96 Resp: 77
Ion Ratio Lower Upper
96 100
61 0.0 131.8 197.8#
98 0.0 47.4 71.0#





#22

Diisopropyl ether

Concen: 7.597 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

Instrument :

MSVOA_F

ClientSampleId :

WC-04-011519

Tot Ion: 45 Resp: 352

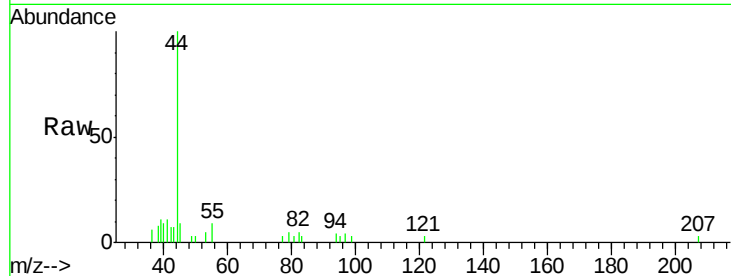
Ion Ratio Lower Upper

45 100

43 86.8 39.0 58.6#

87 0.0 13.9 20.9#

59 0.0 7.8 11.6#

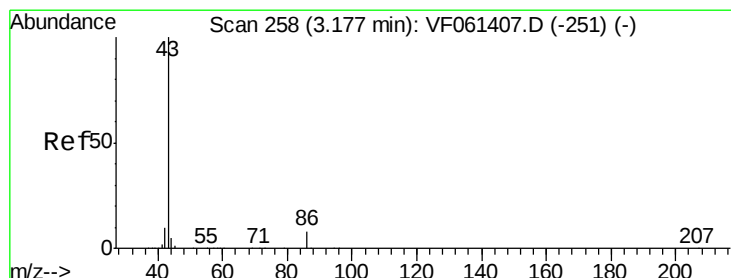
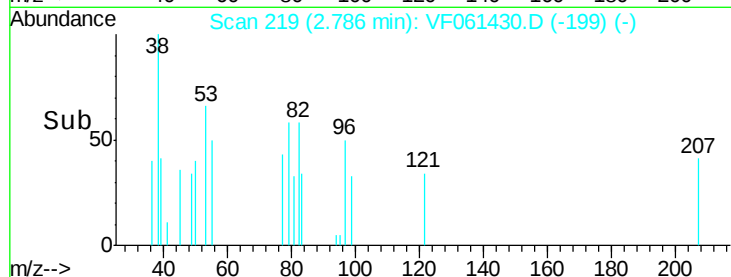
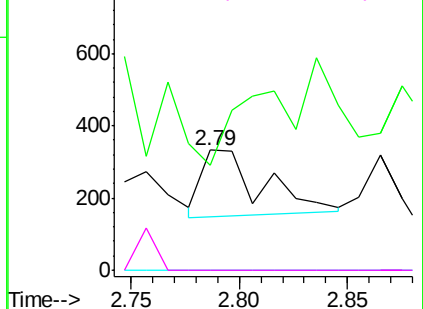


Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0



#23

Vinyl Acetate

Concen: 27.025 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061430.D

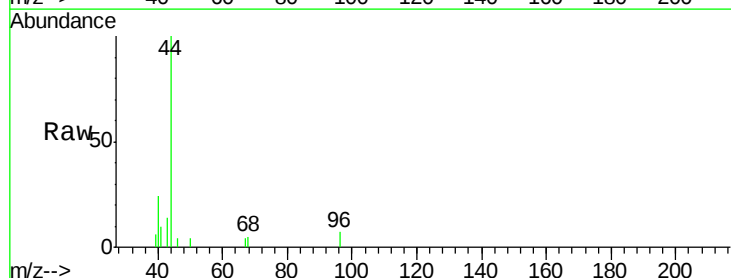
Acq: 17 Jan 2019 00:00

Tgt Ion: 43 Resp: 492

Ion Ratio Lower Upper

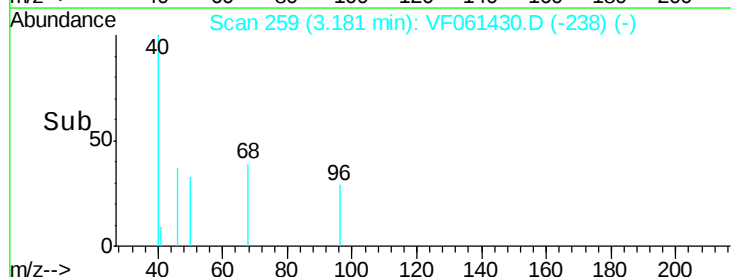
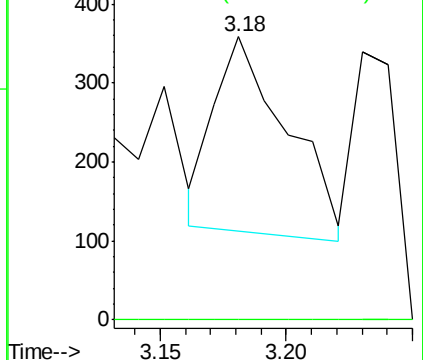
43 100

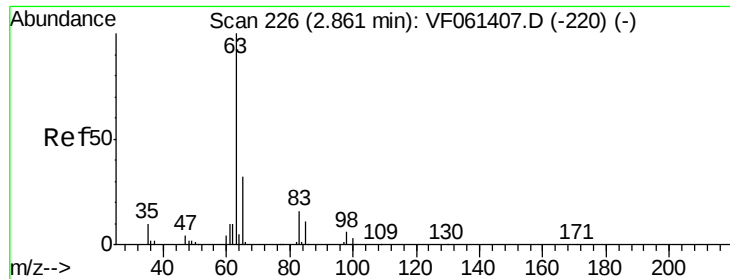
86 0.0 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#24

1,1-Dichloroethane

Concen: 5.261 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

Instrument :

MSVOA_F

ClientSampleId :

WC-04-011519

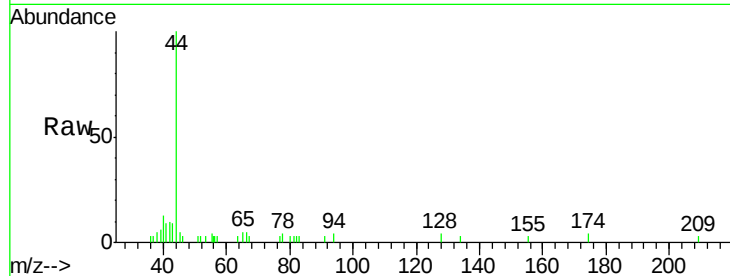
Tot Ion: 63 Resp: 153

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

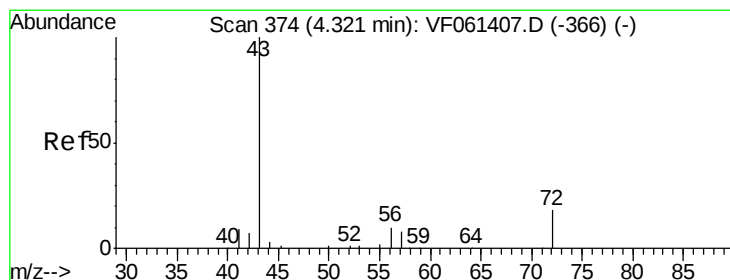
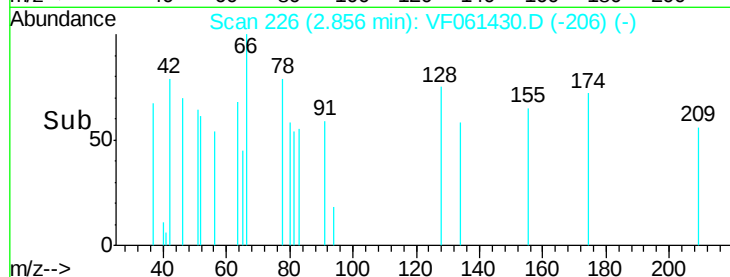
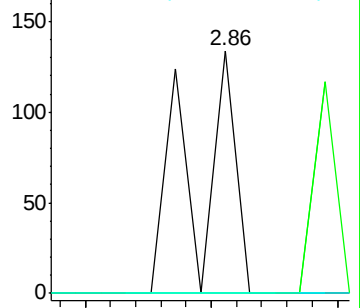
100 0.0 1.6 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#25

2-Butanone

Concen: 41.460 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061430.D

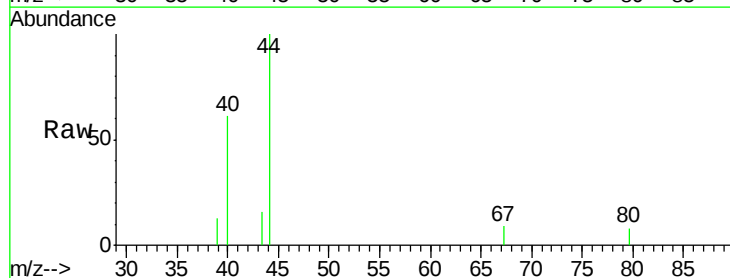
Acq: 17 Jan 2019 00:00

Tgt Ion: 43 Resp: 250

Ion Ratio Lower Upper

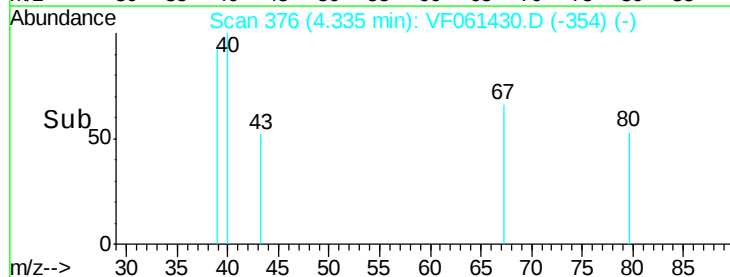
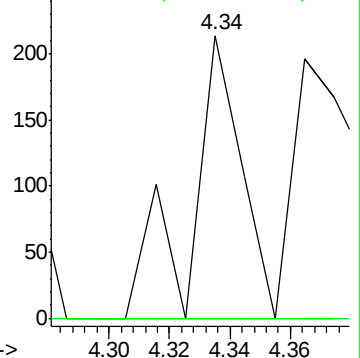
43 100

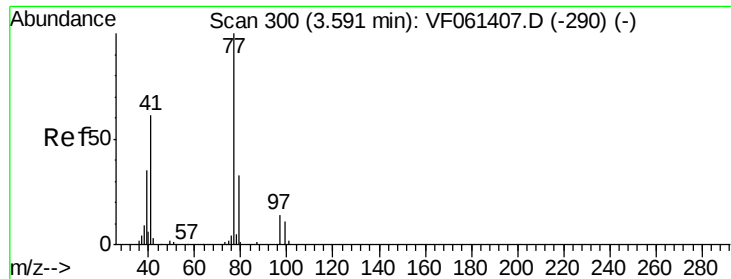
72 0.0 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 3.358 ug/l

RT: 3.66 min Scan# 308

Delta R.T. 0.07 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

Instrument :

MSVOA_F

ClientSampleId :

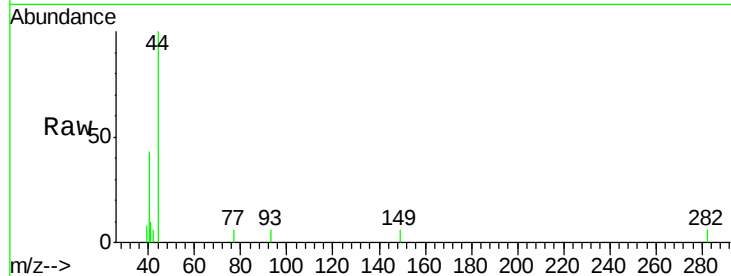
WC-04-011519

Tot Ion: 77 Resp: 60

Ion Ratio Lower Upper

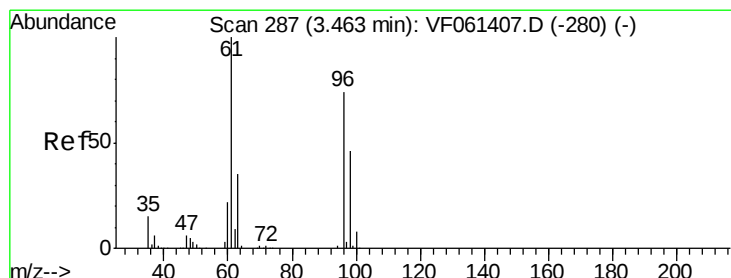
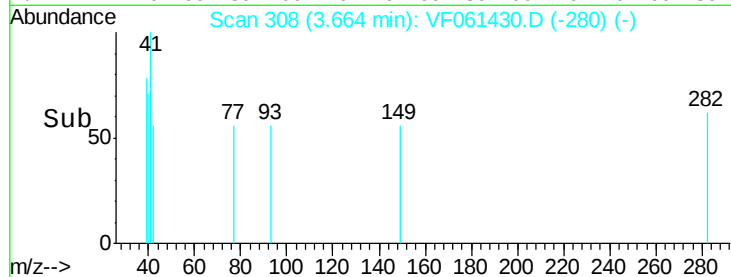
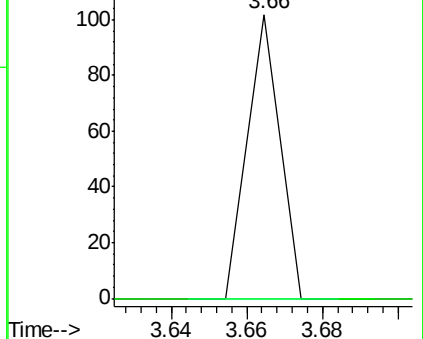
77 100

97 0.0 8.5 25.5#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



#27

cis-1,2-Dichloroethene

Concen: 4.445 ug/l

RT: 3.45 min Scan# 286

Delta R.T. -0.02 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

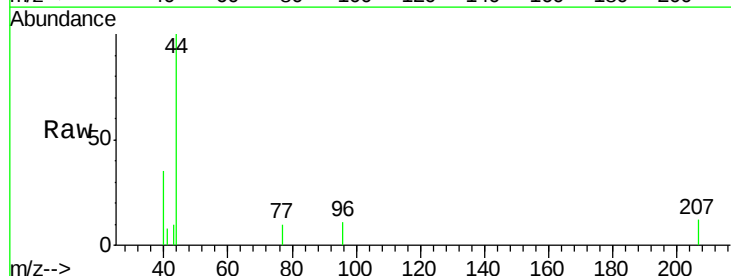
Tgt Ion: 96 Resp: 94

Ion Ratio Lower Upper

96 100

61 0.0 0.0 270.2

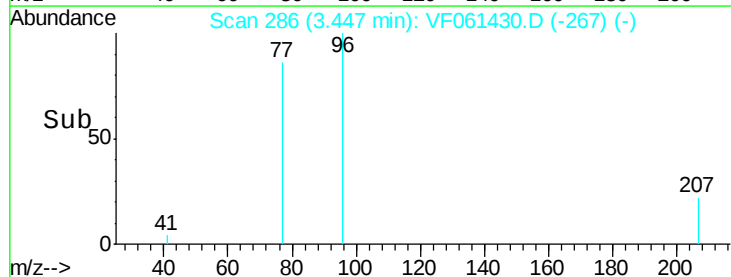
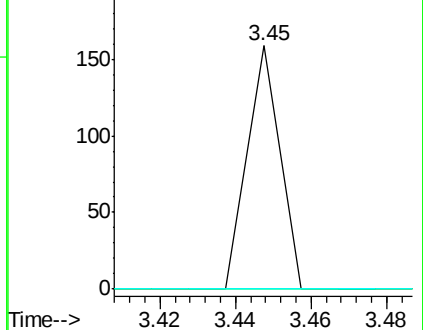
98 0.0 0.0 124.0

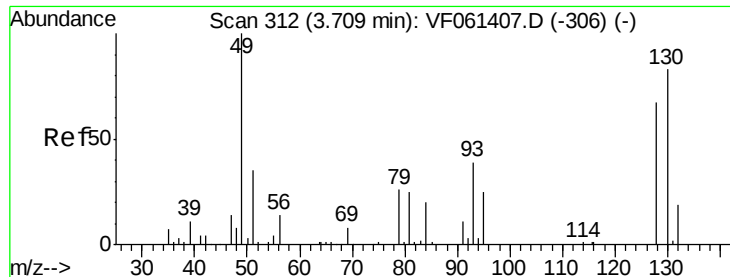


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#28

Bromochloromethane

Concen: 6.655 ug/l

RT: 3.74 min Scan# 316

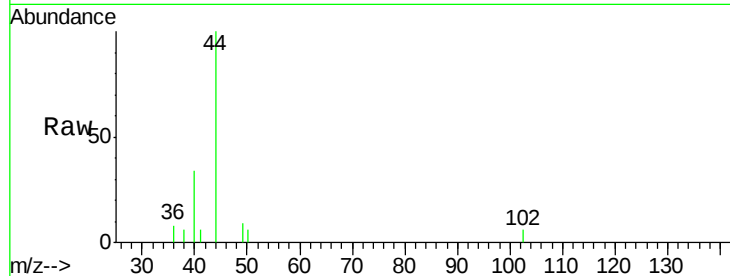
Delta R.T. 0.03 min

Lab File: VF061430.D

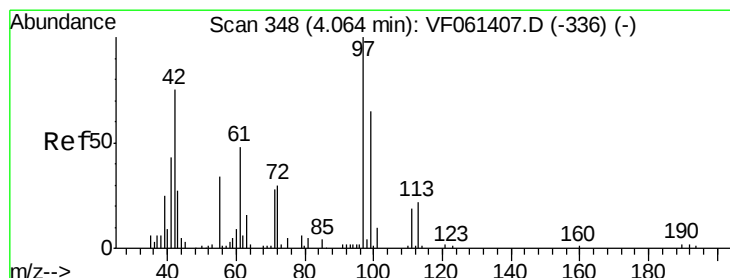
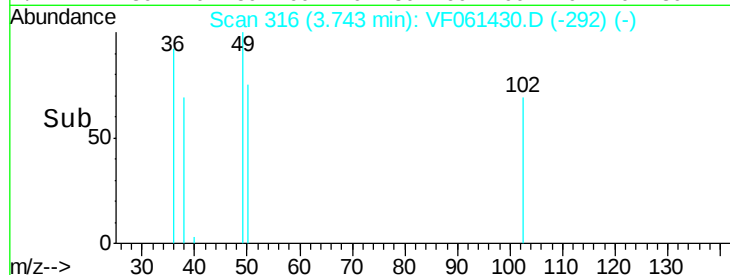
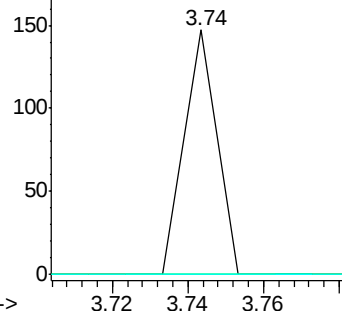
Acq: 17 Jan 2019 00:00

Instrument :
MSVOA_F
ClientSampleId :
WC-04-011519

Tot Ion: 49 Resp: 87
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 0.0 65.4 98.2#



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V



#29

Tetrahydrofuran

Concen: 63.933 ug/l

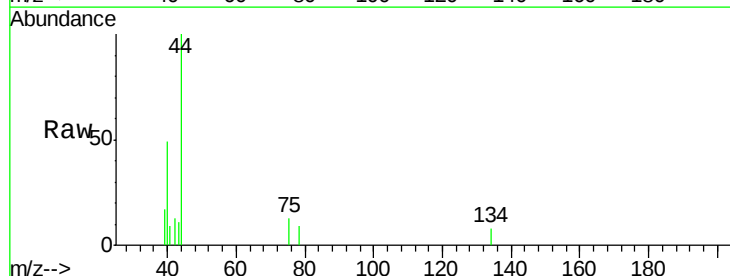
RT: 4.05 min Scan# 347

Delta R.T. -0.02 min

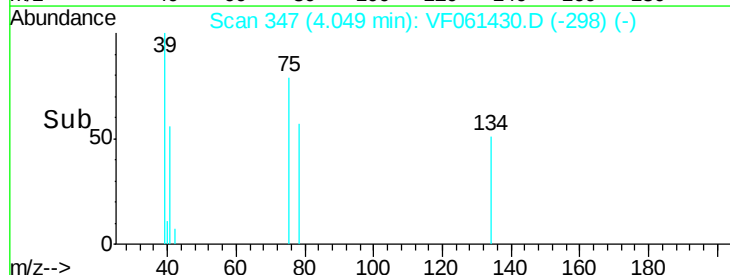
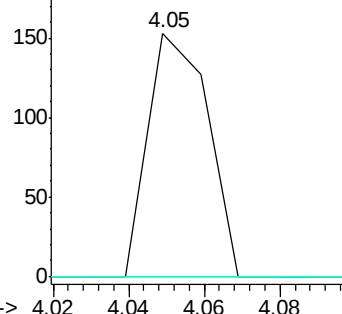
Lab File: VF061430.D

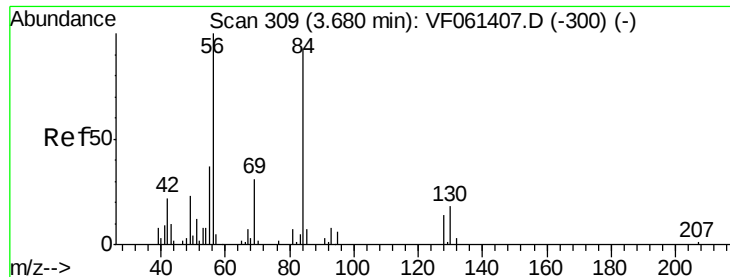
Acq: 17 Jan 2019 00:00

Tgt Ion: 42 Resp: 166
Ion Ratio Lower Upper
42 100
72 0.0 28.9 43.3#
71 0.0 29.6 44.4#



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0





#31

Cyclohexane

Concen: 2.169 ug/l

RT: 3.69 min Scan# 311

Delta R.T. 0.01 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

Instrument :

MSVOA_F

ClientSampleId :

WC-04-011519

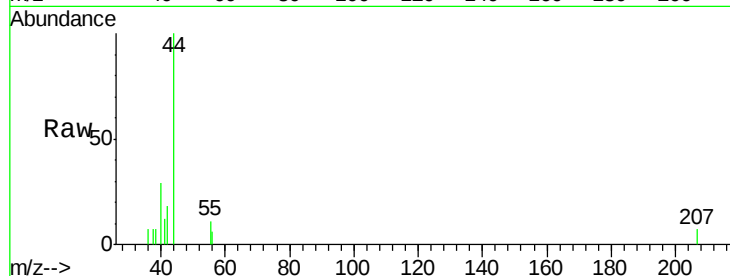
Tot Ion: 56 Resp: 63

Ion Ratio Lower Upper

56 100

69 0.0 24.6 36.8#

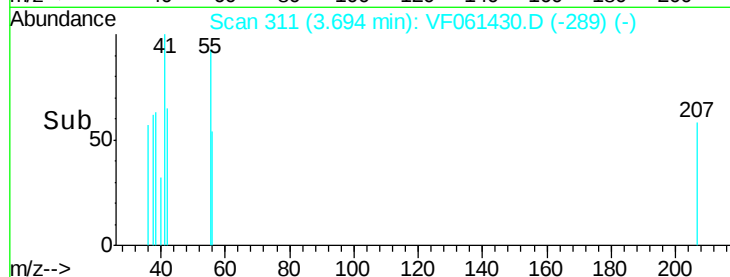
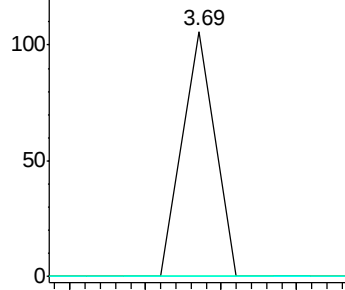
84 0.0 74.2 111.2#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 2.259 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.02 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

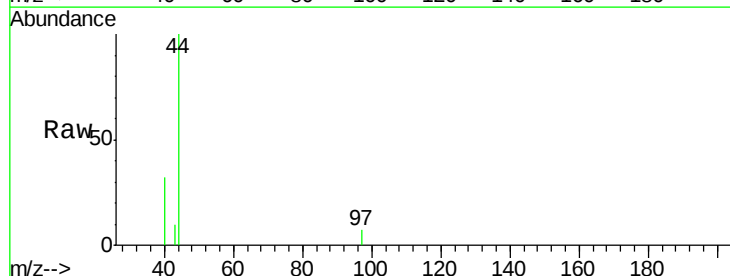
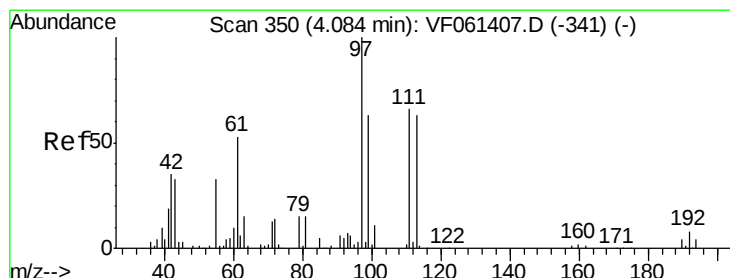
Tgt Ion: 97 Resp: 65

Ion Ratio Lower Upper

97 100

99 0.0 50.1 75.1#

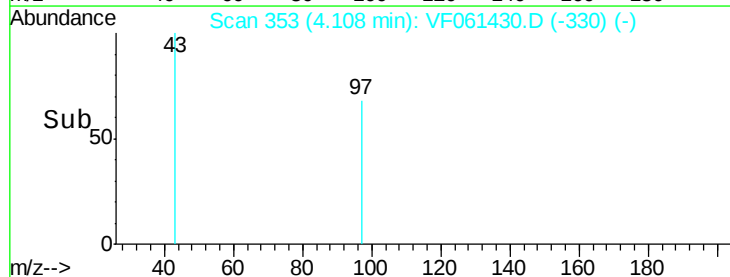
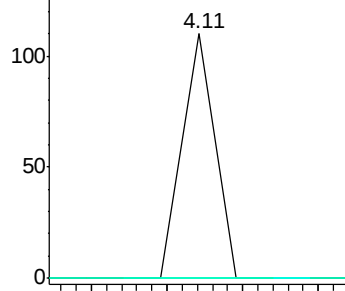
61 0.0 43.1 64.7#

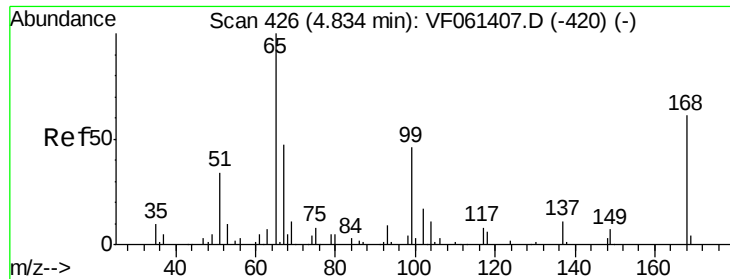


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

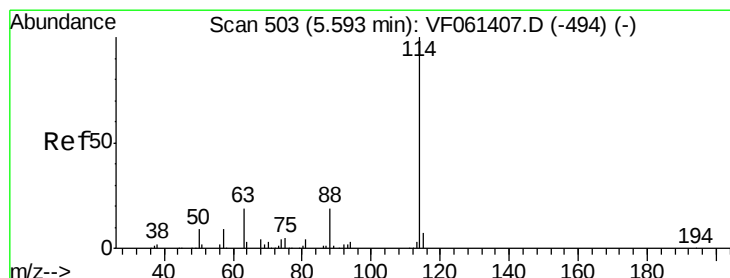
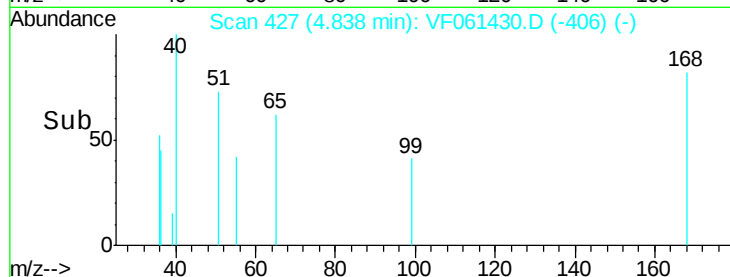
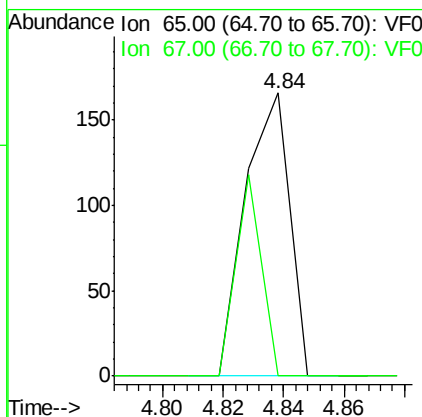
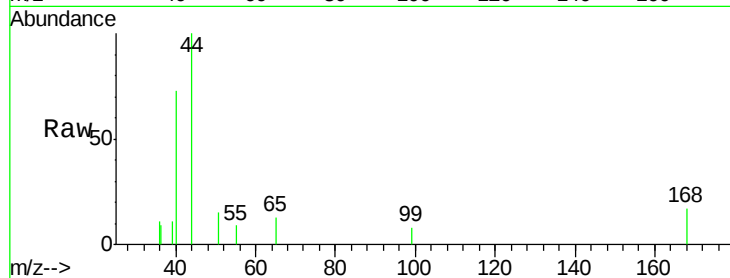




#33
 1,2-Dichloroethane-d4
 Concen: 9.405 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: VF061430.D
 Acq: 17 Jan 2019 00:00

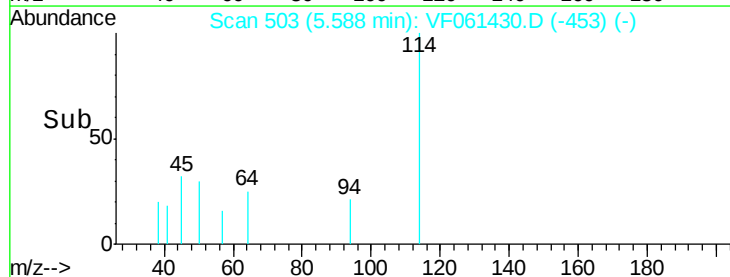
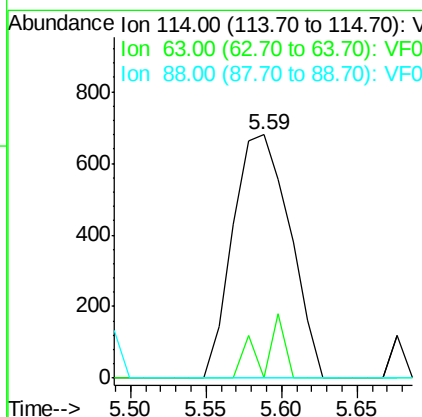
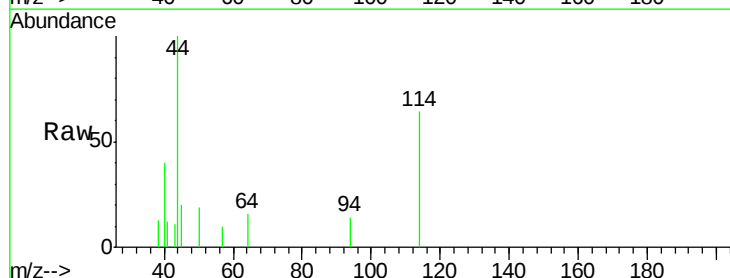
Instrument :
 MSVOA_F
 ClientSampleId :
 WC-04-011519

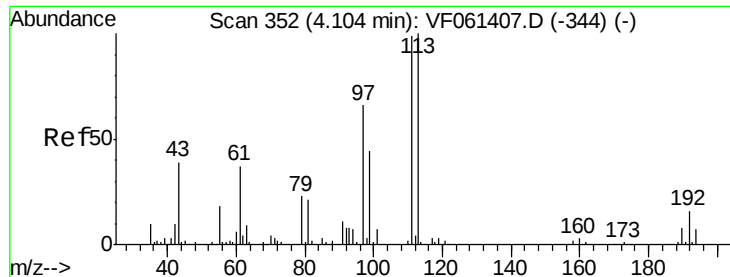
Tot Ion: 65 Resp: 170
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF061430.D
 Acq: 17 Jan 2019 00:00

Tgt Ion:114 Resp: 1789
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 39.0
 88 0.0 0.0 37.4





#35

Dibromofluoromethane

Concen: 23.164 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

Instrument :

MSVOA_F

ClientSampleId :

WC-04-011519

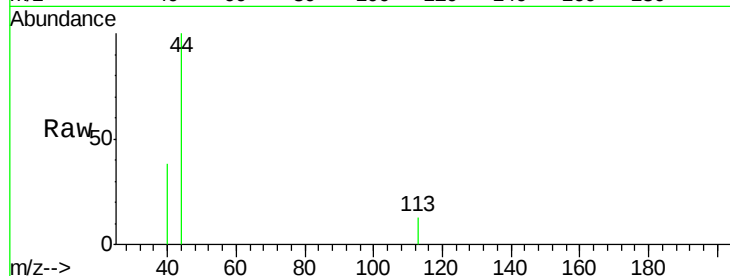
Tot Ion:113 Resp: 327

Ion Ratio Lower Upper

113 100

111 0.0 79.4 119.0#

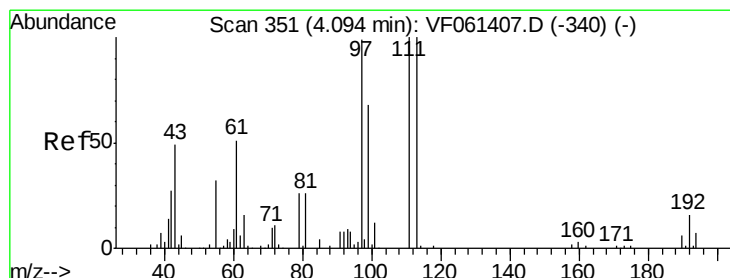
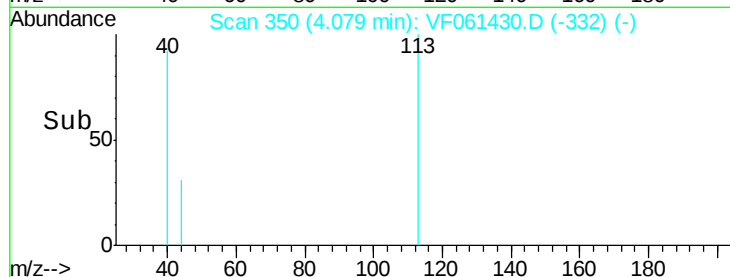
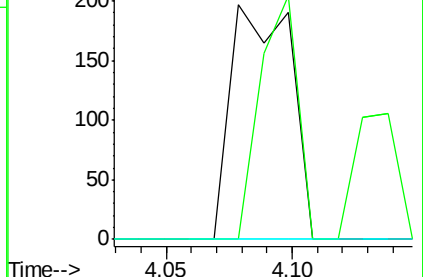
192 0.0 12.4 18.6#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#37

Ethyl Acetate

Concen: 19.659 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

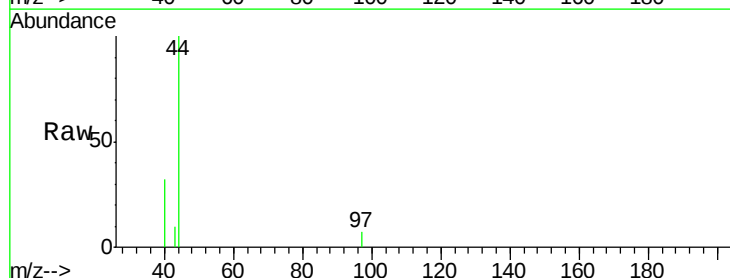
Tgt Ion: 43 Resp: 163

Ion Ratio Lower Upper

43 100

61 0.0 81.7 122.5#

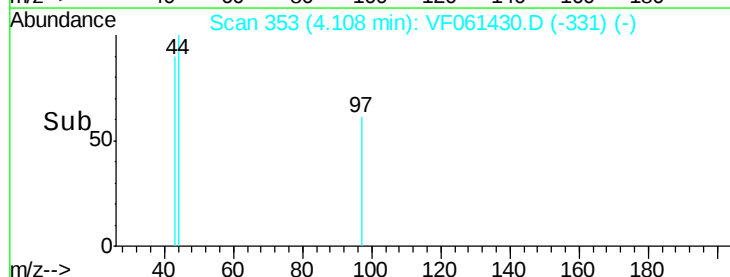
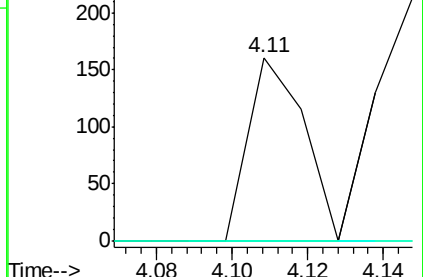
70 0.0 6.2 9.2#

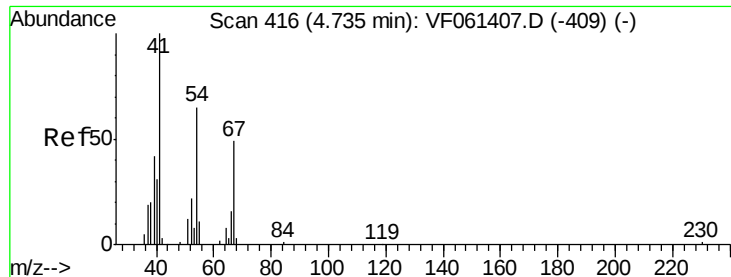


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#41

Methacrylonitrile

Concen: 46.918 ug/l

RT: 4.71 min Scan# 414

Delta R.T. -0.03 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

Instrument :

MSVOA_F

ClientSampleId :

WC-04-011519

Tot Ion: 41 Resp: 207

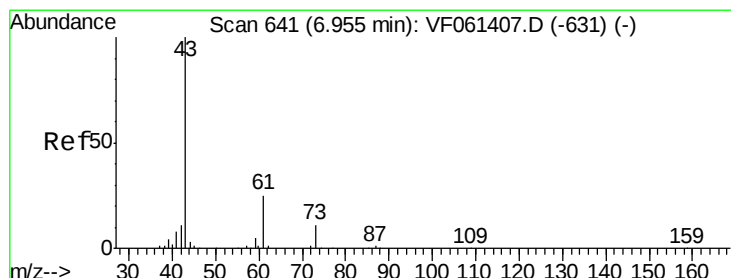
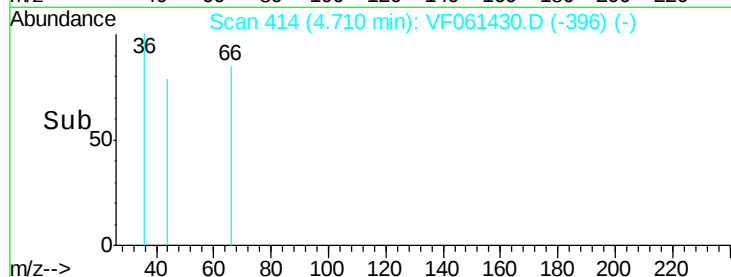
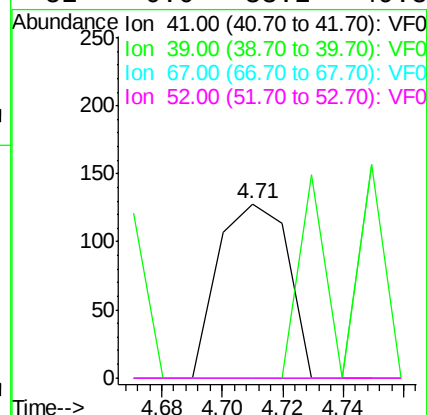
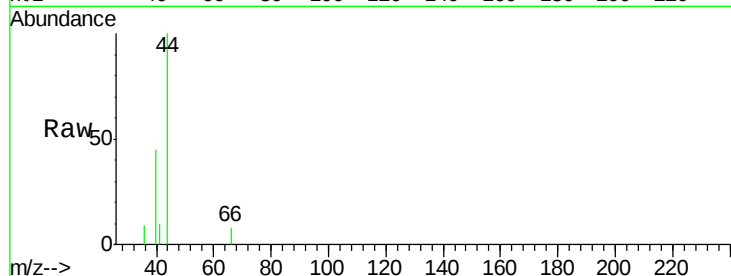
Ion Ratio Lower Upper

41 100

39 0.0 43.1 64.7#

67 0.0 38.8 58.2#

52 0.0 33.2 49.8#



#43

Isopropyl Acetate

Concen: 25.561 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.02 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

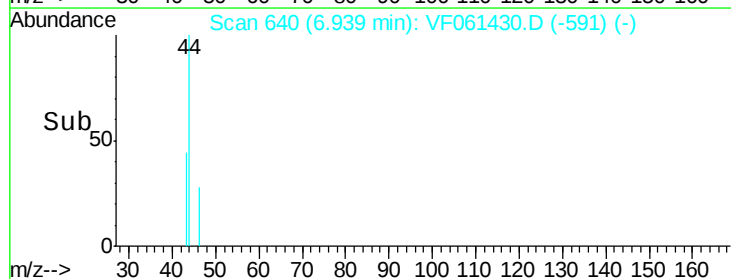
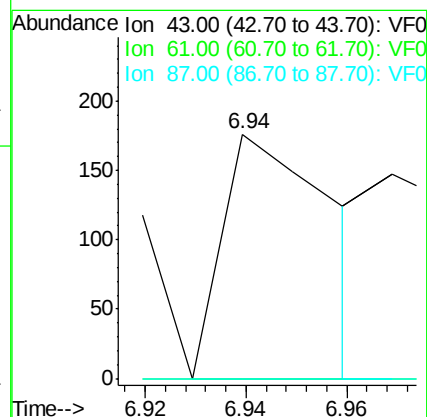
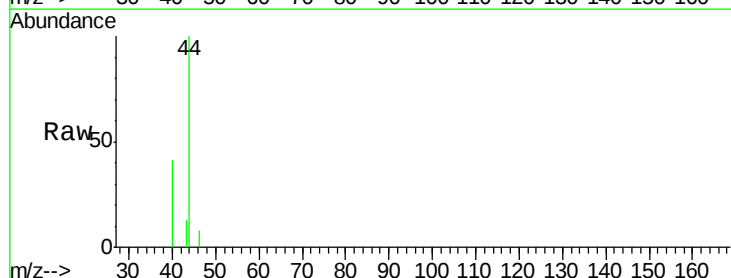
Tgt Ion: 43 Resp: 266

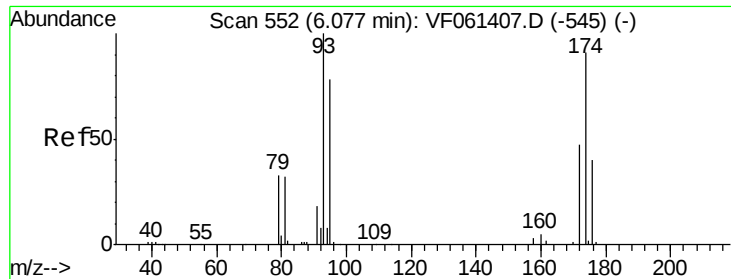
Ion Ratio Lower Upper

43 100

61 0.0 20.3 30.5#

87 0.0 0.5 0.7#





#46

Dibromomethane

Concen: 11.049 ug/l

RT: 6.09 min Scan# 554

Delta R.T. 0.01 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

Instrument :

MSVOA_F

ClientSampleId :

WC-04-011519

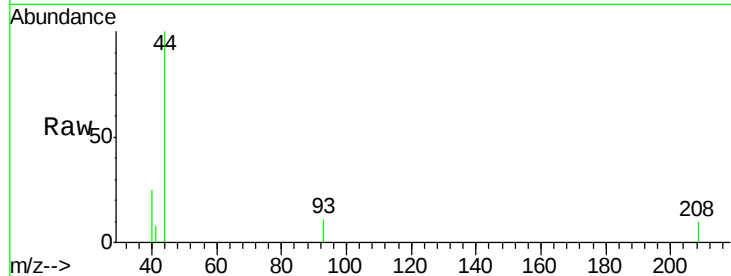
Tot Ion: 93 Resp: 89

Ion Ratio Lower Upper

93 100

95 0.0 62.1 93.1#

174 0.0 74.6 111.8#



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

6.09

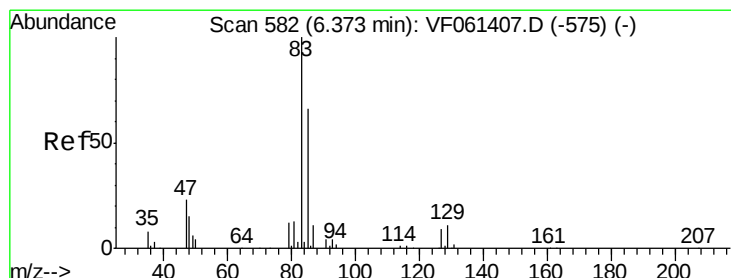
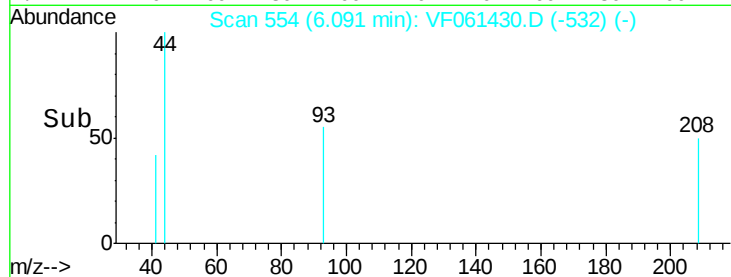
150

100

50

0

Time-->



#47

Bromodichloromethane

Concen: 3.462 ug/l

RT: 6.49 min Scan# 594

Delta R.T. 0.11 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

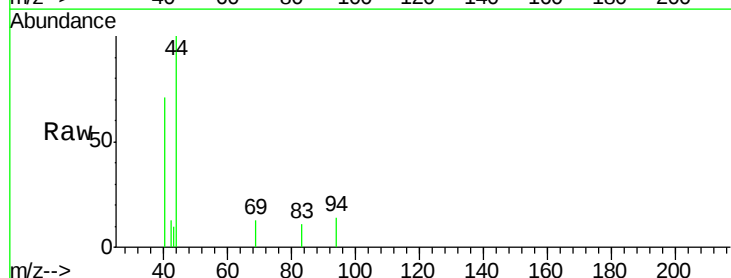
Tgt Ion: 83 Resp: 69

Ion Ratio Lower Upper

83 100

85 0.0 53.0 79.4#

127 0.0 6.9 10.3#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

6.49

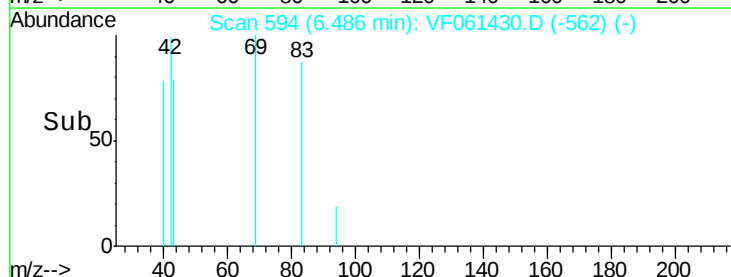
150

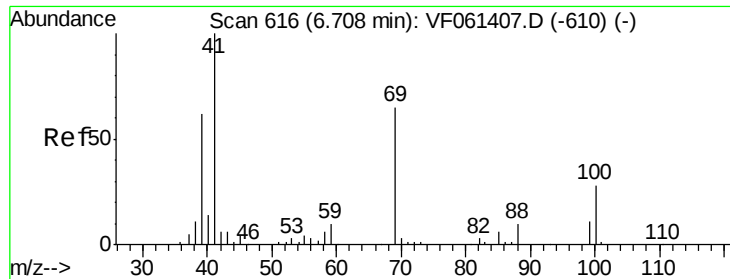
100

50

0

Time-->

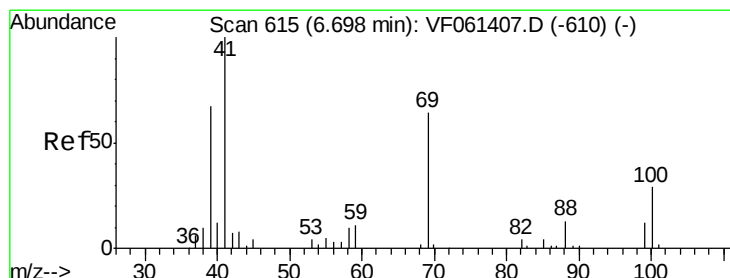
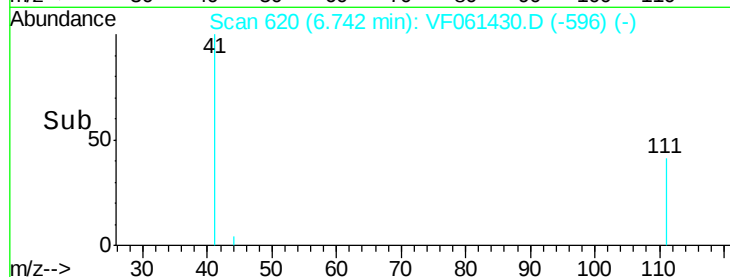
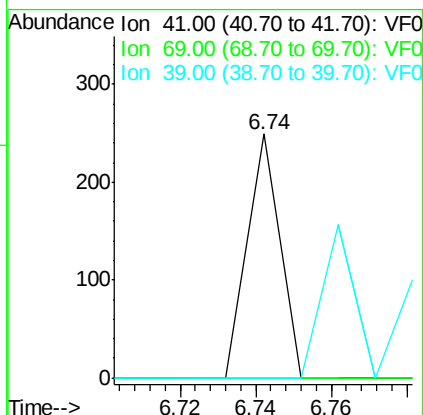
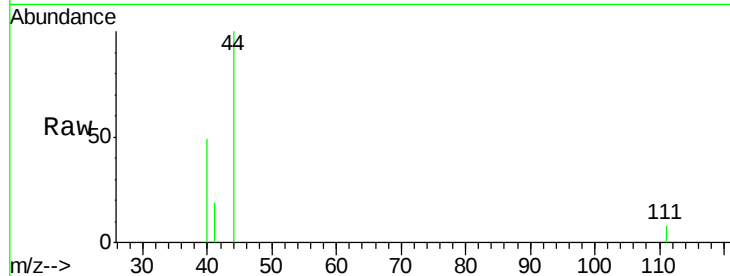




#48
Methyl methacrylate
Concen: 21.036 ug/l
RT: 6.74 min Scan# 620
Delta R.T. 0.03 min
Lab File: VF061430.D
Acq: 17 Jan 2019 00:00

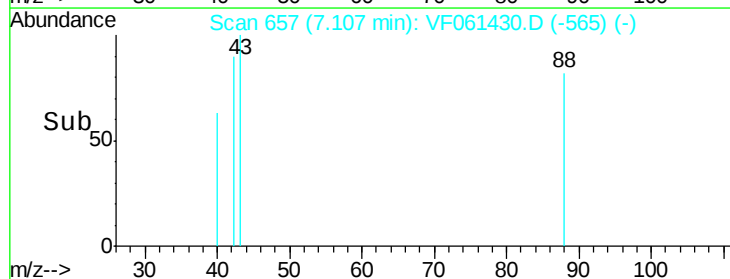
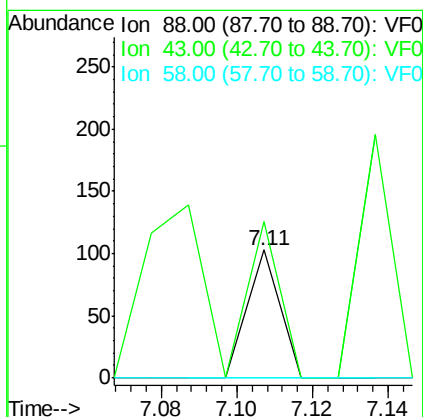
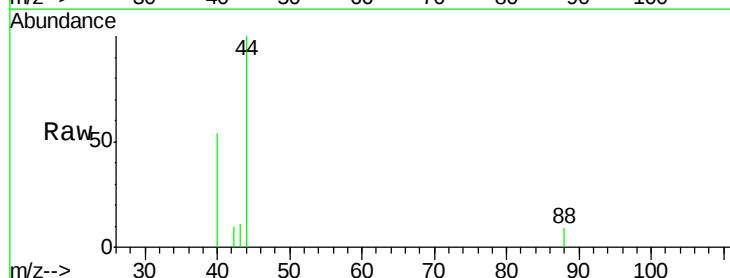
Instrument :
MSVOA_F
ClientSampleId :
WC-04-011519

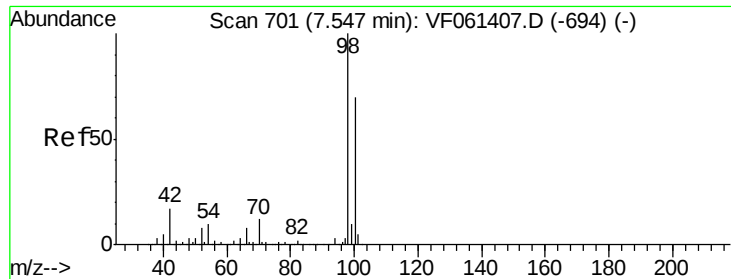
Tot Ion: 41 Resp: 147
Ion Ratio Lower Upper
41 100
69 0.0 51.7 77.5#
39 0.0 49.2 73.8#



#49
1,4-Dioxane
Concen: 1269.239 ug/l
RT: 7.11 min Scan# 657
Delta R.T. 0.41 min
Lab File: VF061430.D
Acq: 17 Jan 2019 00:00

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 122.3 55.5 83.3#
58 0.0 59.9 89.9#

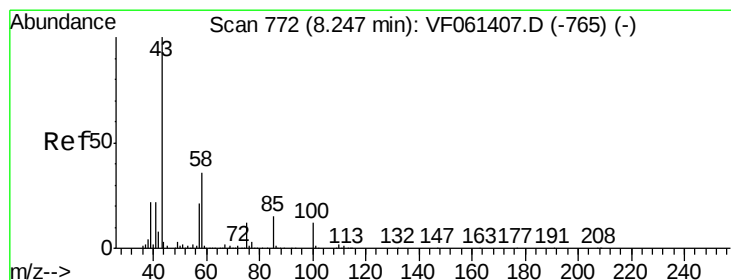
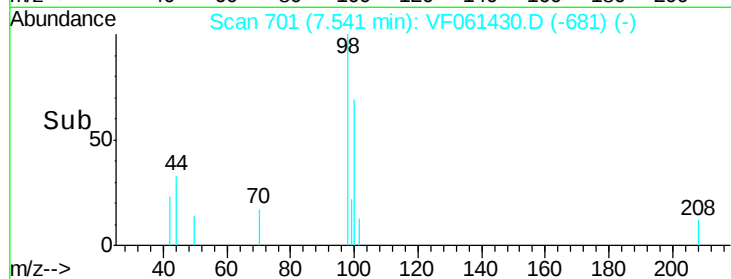
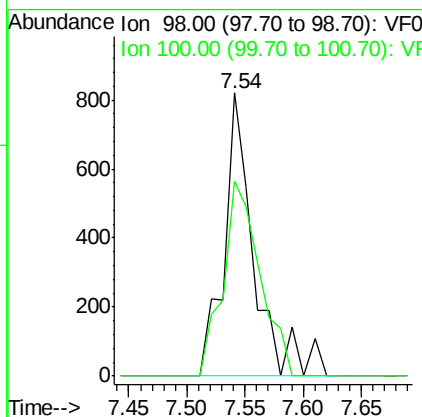
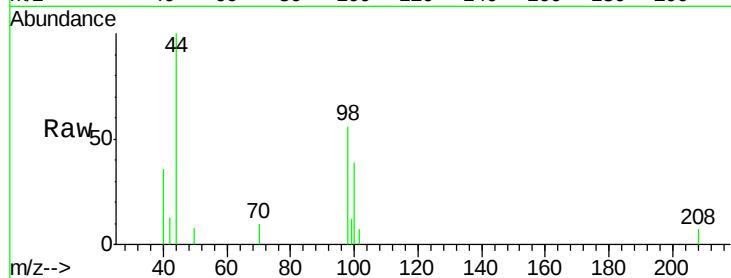




#50
Toluene-d8
Concen: 37.257 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF061430.D
Acq: 17 Jan 2019 00:00

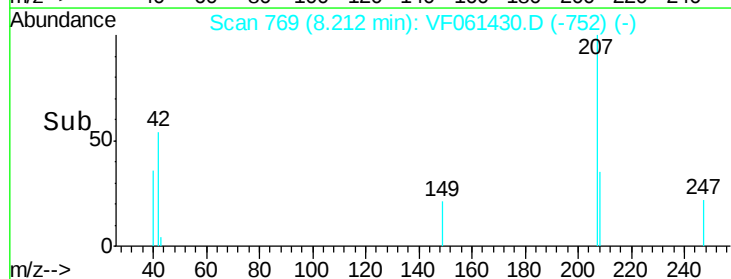
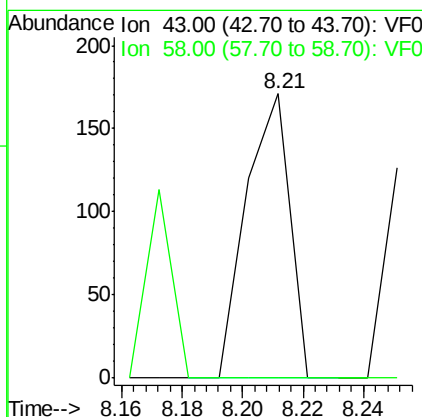
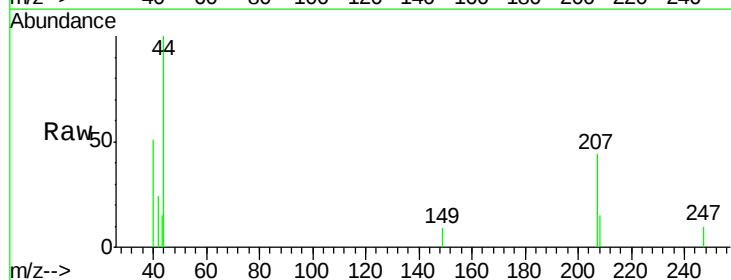
Instrument :
MSVOA_F
ClientSampleId :
WC-04-011519

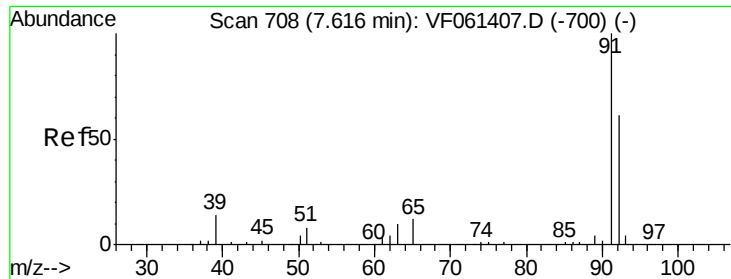
Tot Ion: 98 Resp: 1441
Ion Ratio Lower Upper
98 100
100 69.0 55.6 83.4



#51
4-Methyl-2-Pentanone
Concen: 22.483 ug/l
RT: 8.21 min Scan# 769
Delta R.T. -0.04 min
Lab File: VF061430.D
Acq: 17 Jan 2019 00:00

Tgt Ion: 43 Resp: 172
Ion Ratio Lower Upper
43 100
58 0.0 28.8 43.2#





#52

Toluene

Concen: 2.171 ug/l

RT: 7.72 min Scan# 719

Delta R.T. 0.10 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

Instrument :

MSVOA_F

ClientSampleId :

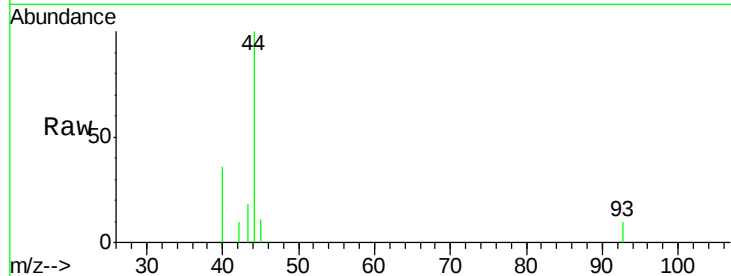
WC-04-011519

Tot Ion: 92 Resp: 66

Ion Ratio Lower Upper

92 100

91 0.0 131.2 196.8#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.72

120

100

80

60

40

20

0

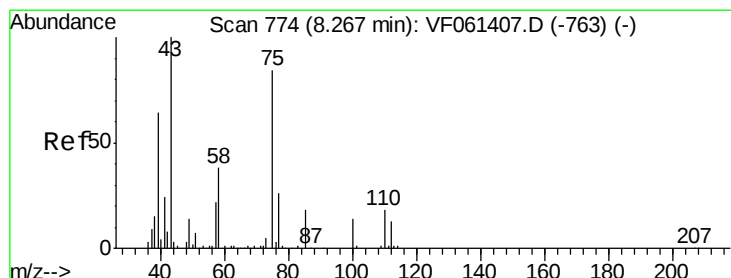
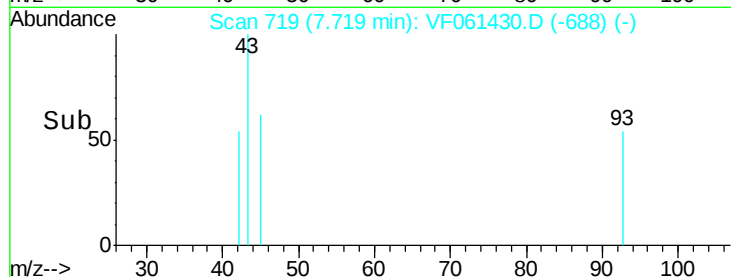
Time-->

7.68

7.70

7.72

7.74



#53

t-1,3-Dichloropropene

Concen: 3.855 ug/l

RT: 8.36 min Scan# 784

Delta R.T. 0.09 min

Lab File: VF061430.D

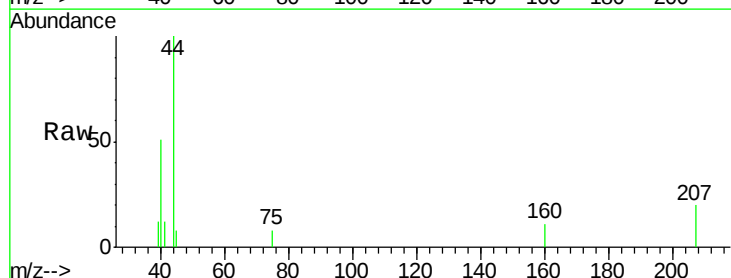
Acq: 17 Jan 2019 00:00

Tgt Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

77 0.0 24.4 36.6#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.36

120

100

80

60

40

20

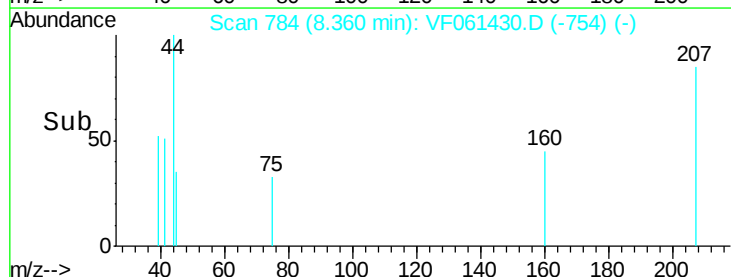
0

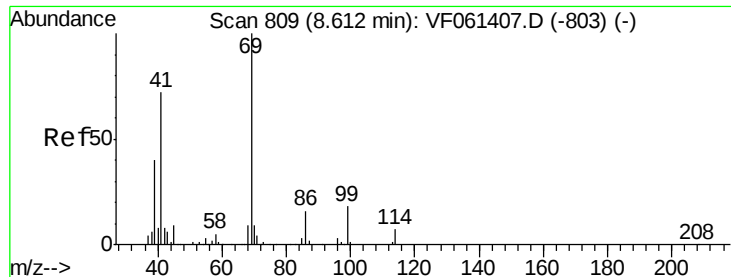
Time-->

8.34

8.36

8.38





#56

Ethyl methacrylate

Concen: 5.975 ug/l

RT: 8.65 min Scan# 813

Delta R.T. 0.03 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

Instrument :

MSVOA_F

ClientSampleId :

WC-04-011519

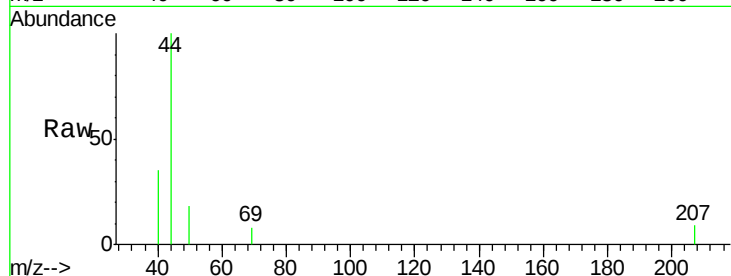
Tot Ion: 69 Resp: 60

Ion Ratio Lower Upper

69 100

41 0.0 57.5 86.3#

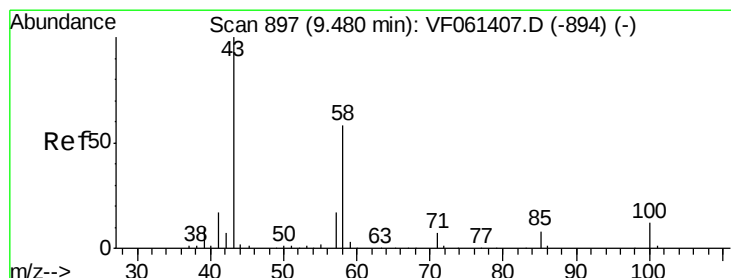
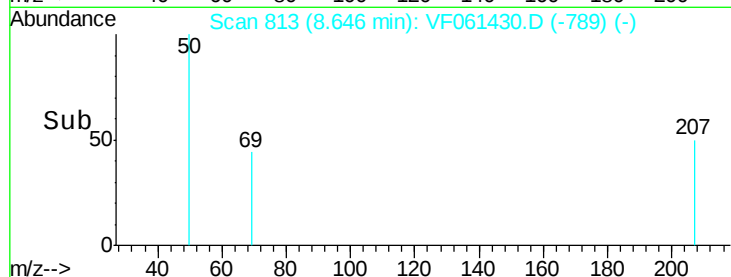
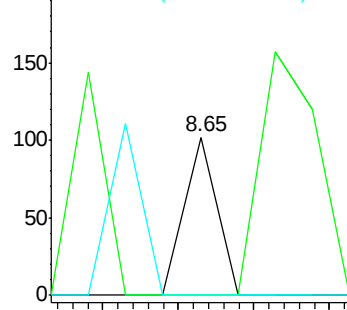
39 0.0 32.0 48.0#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#59

2-Hexanone

Concen: 17.808 ug/l

RT: 9.48 min Scan# 898

Delta R.T. 0.00 min

Lab File: VF061430.D

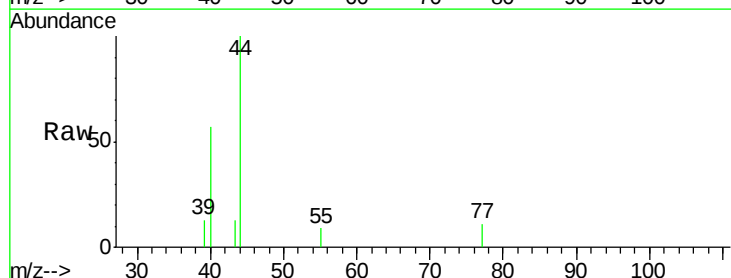
Acq: 17 Jan 2019 00:00

Tgt Ion: 43 Resp: 95

Ion Ratio Lower Upper

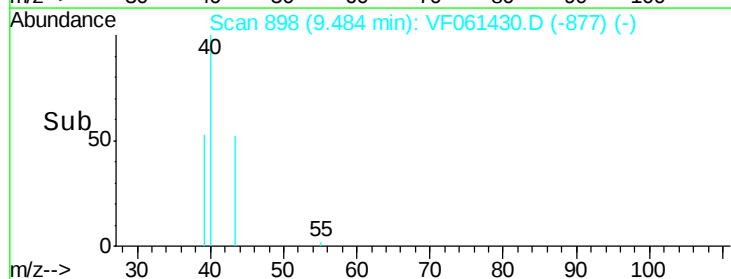
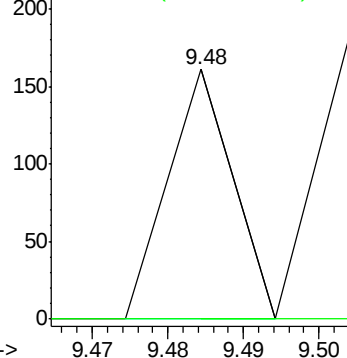
43 100

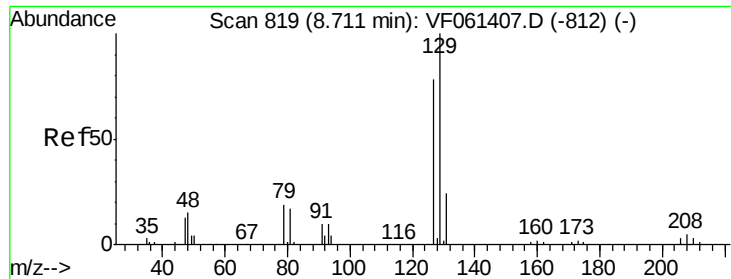
58 0.0 25.9 77.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#60

Dibromochloromethane

Concen: 6.578 ug/l

RT: 8.75 min Scan# 824

Delta R.T. 0.04 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

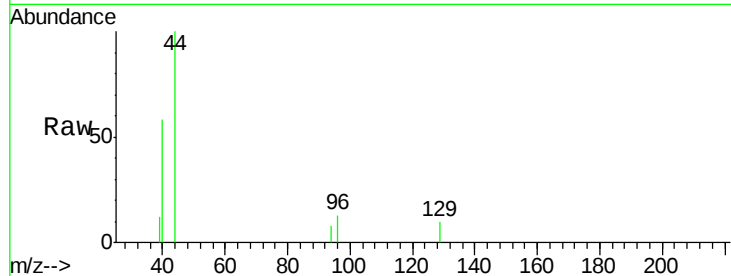
Instrument :
MSVOA_F
ClientSampleId :
WC-04-011519

Tot Ion:129 Resp: 83

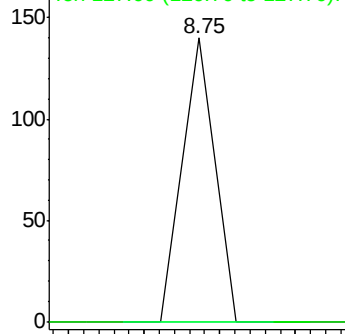
Ion Ratio Lower Upper

129 100

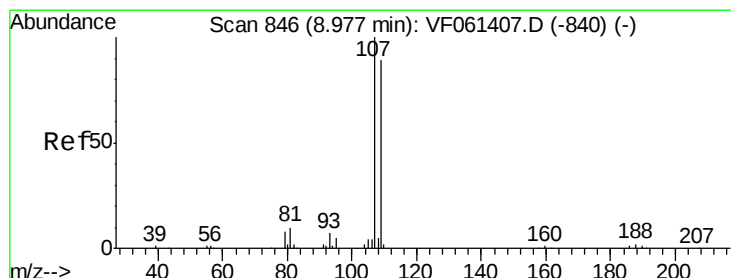
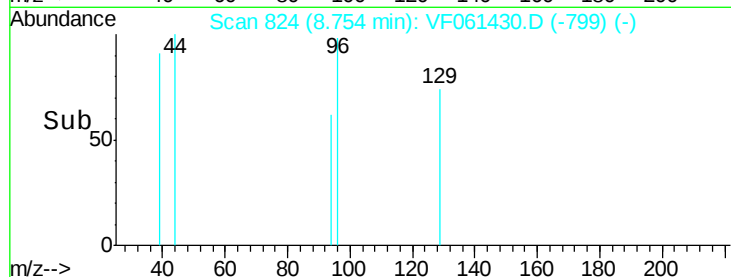
127 0.0 39.1 117.2#



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



Time--> 8.72 8.74 8.76 8.78



#61

1,2-Dibromoethane

Concen: 7.590 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.01 min

Lab File: VF061430.D

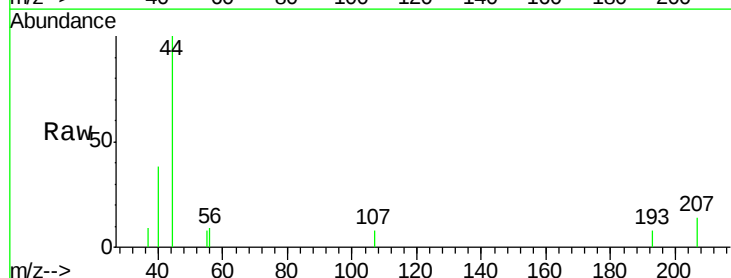
Acq: 17 Jan 2019 00:00

Tgt Ion:107 Resp: 75

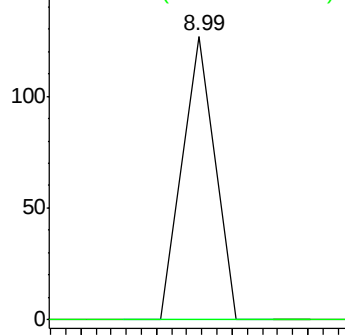
Ion Ratio Lower Upper

107 100

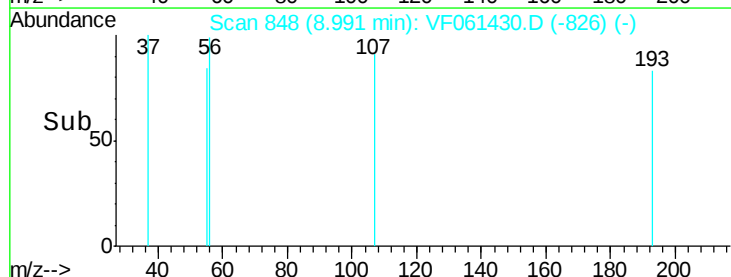
109 0.0 70.8 106.2#

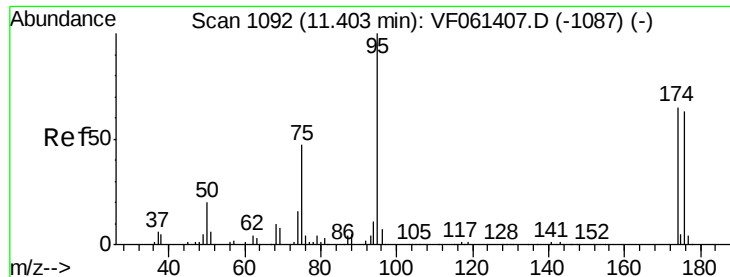


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



Time--> 8.96 8.98 9.00 9.02





#62

4-Bromofluorobenzene

Concen: 12.229 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

Instrument :

MSVOA_F

ClientSampleId :

WC-04-011519

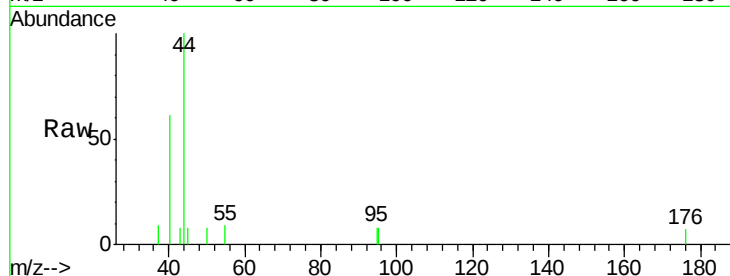
Tot Ion: 95 Resp: 221

Ion Ratio Lower Upper

95 100

174 0.0 0.0 130.4

176 46.5 0.0 126.2

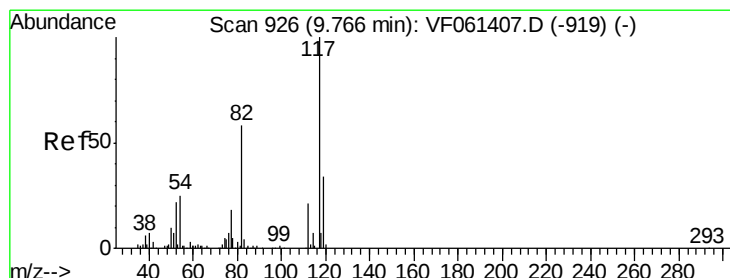
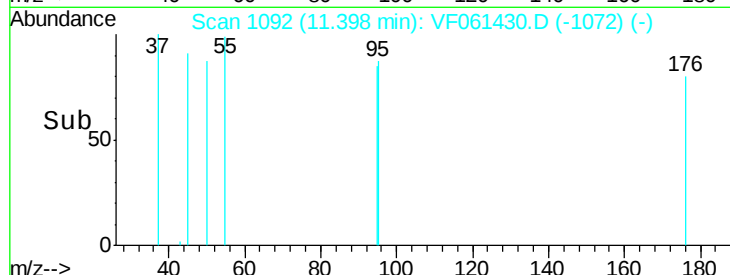
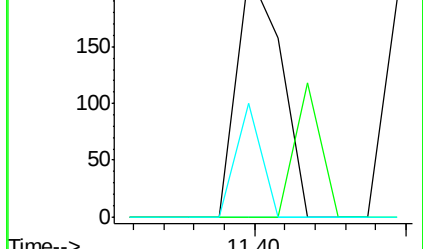


Abundance Ion 95.00 (94.70 to 95.70): VF061407.D (-1087) (-)

Ion 174.00 (173.70 to 174.70): VF061407.D (-1087) (-)

Ion 176.00 (175.70 to 176.70): VF061407.D (-1087) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. 0.00 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

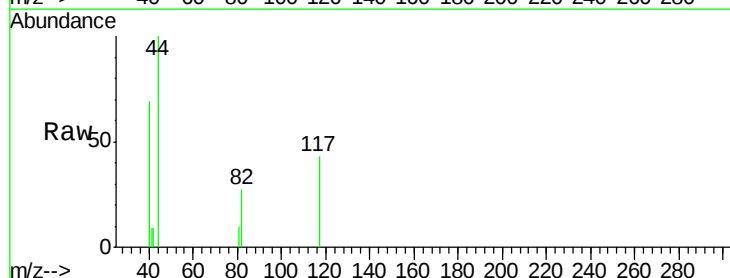
Tgt Ion: 117 Resp: 915

Ion Ratio Lower Upper

117 100

82 61.4 46.4 69.6

119 0.0 27.2 40.8#

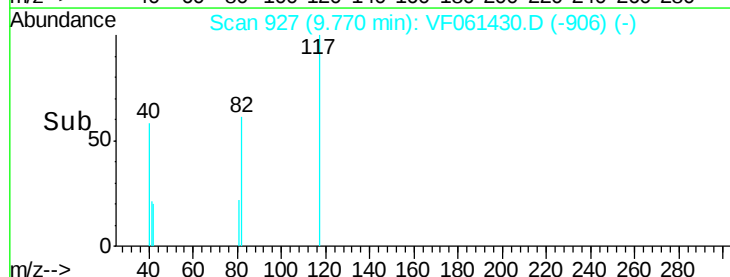
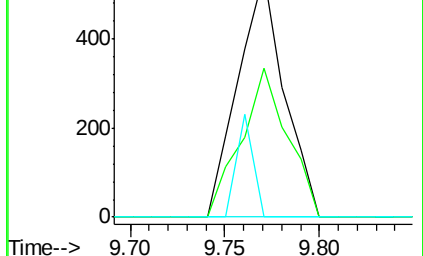


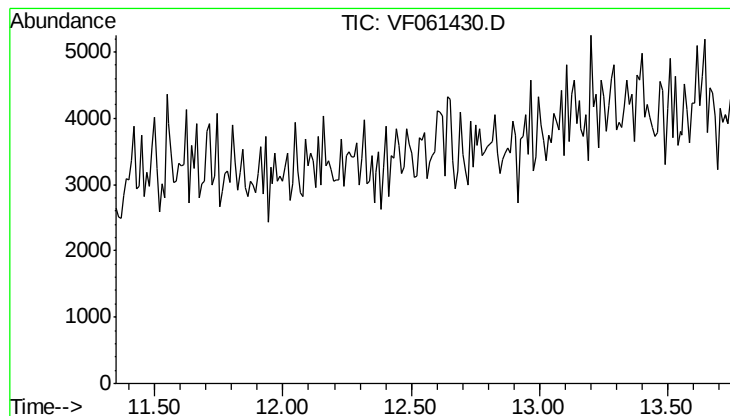
Abundance Ion 117.00 (116.70 to 117.70): VF061407.D (-919) (-)

Ion 82.00 (81.70 to 82.70): VF061407.D (-919) (-)

Ion 119.00 (118.70 to 119.70): VF061407.D (-919) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 0.000 ug/l

Expected RT: 12.55 min

Lab File: VF061430.D

Acq: 17 Jan 2019 00:00

Tot Ion: 152

Sig Exp Ratio

152 100

115 60.0

150 160.7

Instrument :

MSVOA_F

ClientSampleId :

WC-04-011519

