

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021119\
 Data File : VF061600.D
 Acq On : 11 Feb 2019 21:58
 Operator : VA/AP
 Sample : K1458-09RE
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Feb 12 03:29:35 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	4.86	168	102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	90	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	86	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	131	104.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.04%	
35) Dibromofluoromethane	4.11	113	64	90.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.24%	
50) Toluene-d8	7.54	98	144	74.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.02%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
3) Chloromethane	1.08	50	72	48.996	ug/l #	1
4) Vinyl Chloride	1.09	62	59	45.134	ug/l #	43
5) Bromomethane	1.30	94	411	482.155	ug/l #	2
6) Chloroethane	1.37	64	152	262.416	ug/l #	41
7) Trichlorofluoromethane	1.48	101	63	24.791	ug/l #	19
8) Diethyl Ether	1.65	74	63	193.475	ug/l	100
12) 1,1-Dichloroethene	1.80	96	136	149.914	ug/l #	1
13) Acrolein	1.91	56	76	1597.174	ug/l	89
14) Allyl chloride	2.05	41	361	198.774	ug/l #	34
15) Acrylonitrile	2.94	53	391	2863.626	ug/l #	14
16) Acetone	2.24	43	888	3514.958	ug/l #	61
18) Methyl Acetate	2.36	43	339	676.628	ug/l #	61
19) Methyl tert-butyl Ether	2.45	73	83	40.813	ug/l #	59
20) Methylene Chloride	2.10	84	211	253.182	ug/l #	12
21) trans-1,2-Dichloroethene	2.27	96	60	60.113	ug/l #	1
22) Diisopropyl ether	2.82	45	1056	327.101	ug/l #	83
23) Vinyl Acetate	3.25	43	87	63.679	ug/l #	78
24) 1,1-Dichloroethane	2.90	63	60	29.612	ug/l #	85
25) 2-Butanone	4.33	43	95	226.126	ug/l #	57
26) 2,2-Dichloropropane	3.51	77	85	68.280	ug/l #	61
27) cis-1,2-Dichloroethene	3.40	96	72	48.867	ug/l	1
28) Bromochloromethane	3.68	49	69	75.758	ug/l #	8
29) Tetrahydrofuran	4.00	42	195	1077.937	ug/l #	38
31) Cyclohexane	3.66	56	64	31.621	ug/l #	13
37) Ethyl Acetate	4.06	43	214	513.038	ug/l #	5
39) Methylcyclohexane	5.44	83	75	66.321	ug/l #	15
40) Benzene	4.56	78	181	77.951	ug/l #	52
41) Methacrylonitrile	4.73	41	143	644.281	ug/l #	31
43) Isopropyl Acetate	6.96	43	72	137.531	ug/l #	51
46) Dibromomethane	6.19	93	72	177.681	ug/l #	6
48) Methyl methacrylate	6.61	41	62	176.365	ug/l #	19
51) 4-Methyl-2-Pentanone	8.24	43	128	332.581	ug/l #	39
52) Toluene	7.64	92	82	53.626	ug/l #	1
53) t-1,3-Dichloropropene	8.16	75	102	128.122	ug/l #	44

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QLast Update : Wed Jan 16 04:51:59 2019
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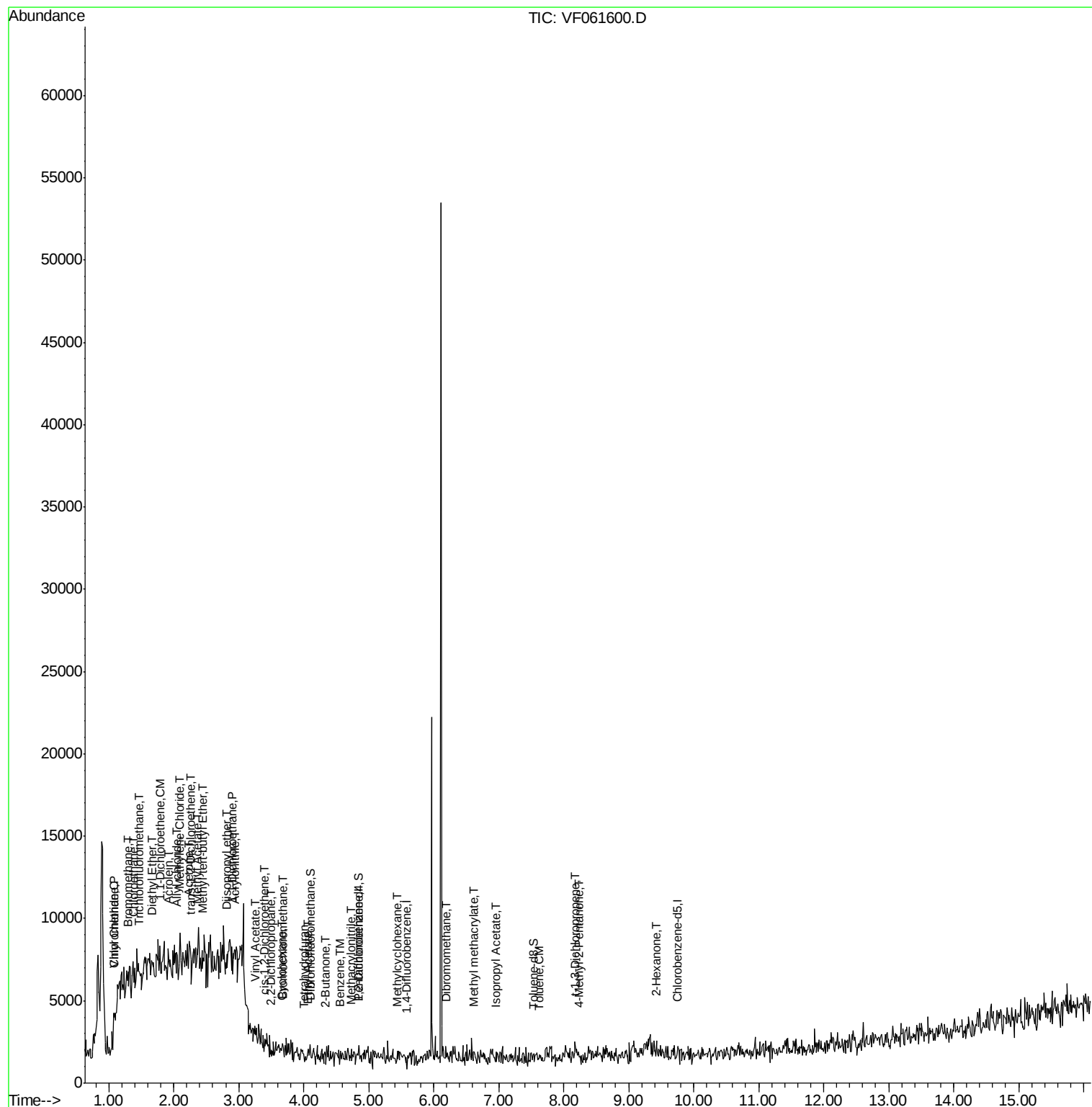
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
59) 2-Hexanone	9.44	43	145	540.285	ug/l #	26
-----	-----	-----	-----	-----	-----	-----

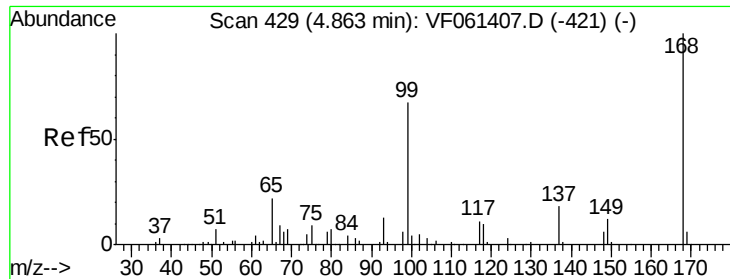
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

Instrument :

MSVOA_F

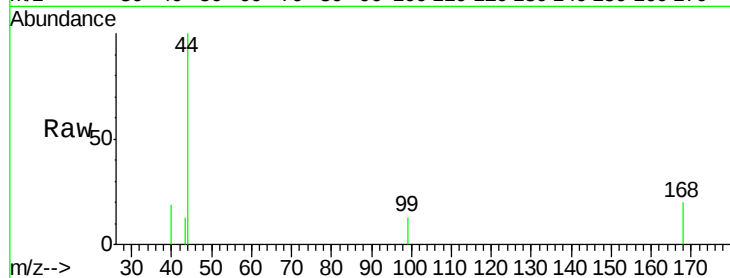
ClientSampleId :

Tot Ion:168 Resp: 102

Ion Ratio Lower Upper

168 100

99 66.3 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

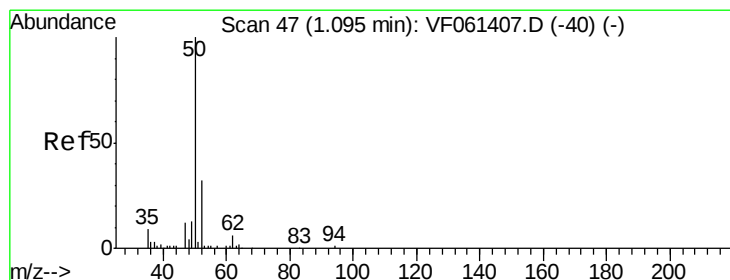
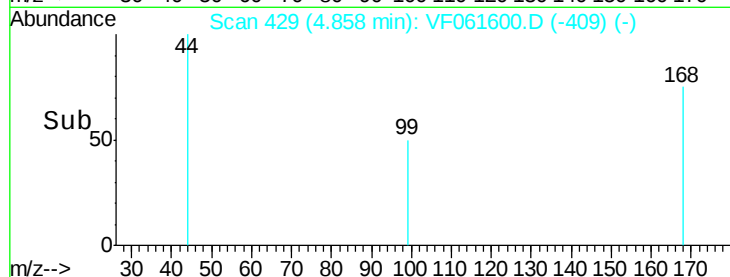
150

100

50

0

Time-->



#3

Chloromethane

Concen: 48.996 ug/l

RT: 1.08 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF061600.D

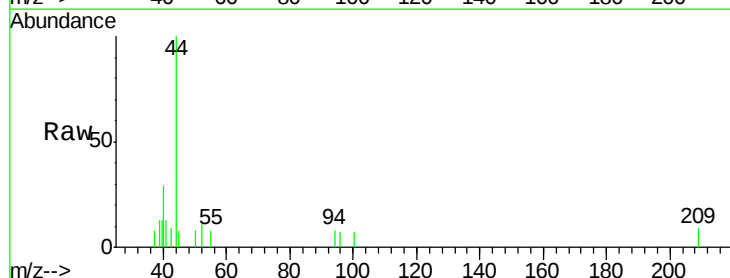
Acq: 11 Feb 2019 21:58

Tgt Ion: 50 Resp: 72

Ion Ratio Lower Upper

50 100

52 144.6 24.6 36.8#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

200

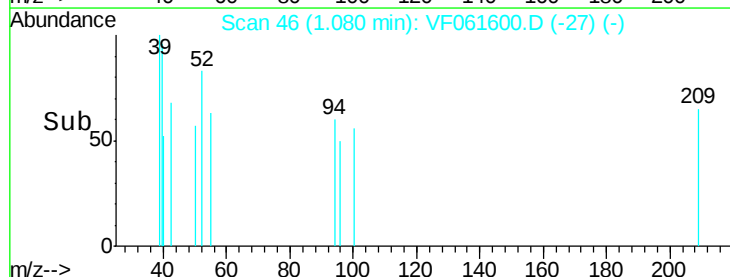
150

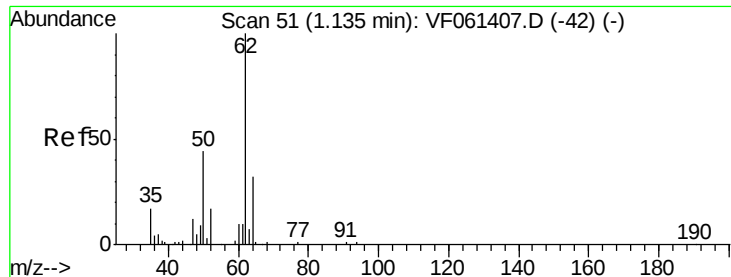
100

50

0

Time-->





#4

Vinyl Chloride

Concen: 45.134 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.04 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

Instrument :

MSVOA_F

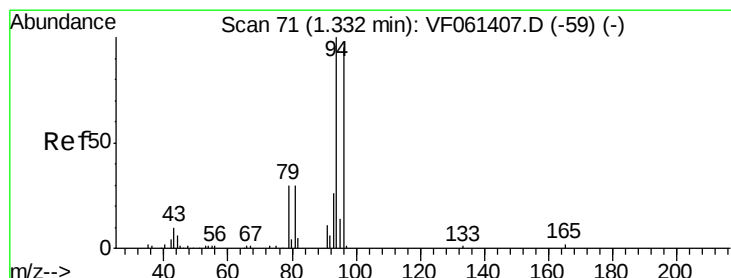
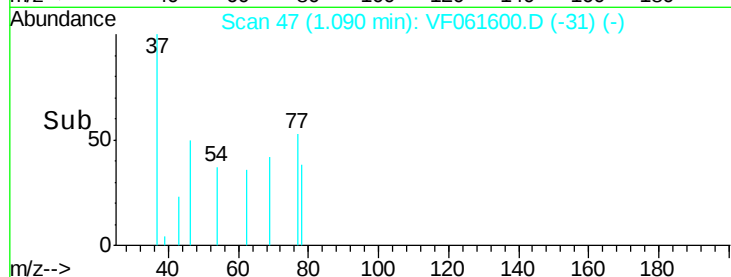
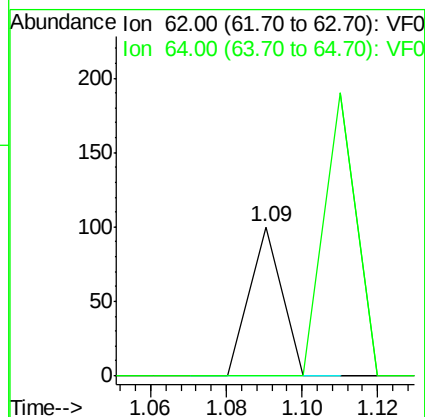
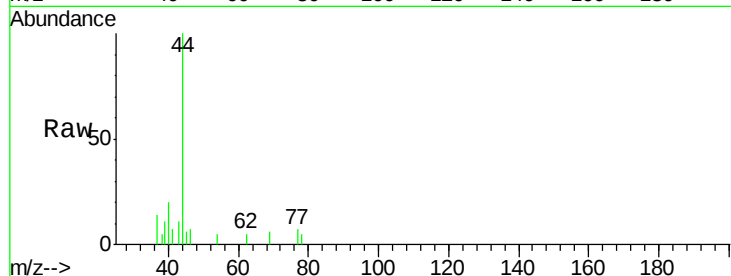
ClientSampled :

Tot Ion: 62 Resp: 59

Ion Ratio Lower Upper

62 100

64 0.0 25.6 38.4#



#5

Bromomethane

Concen: 482.155 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.03 min

Lab File: VF061600.D

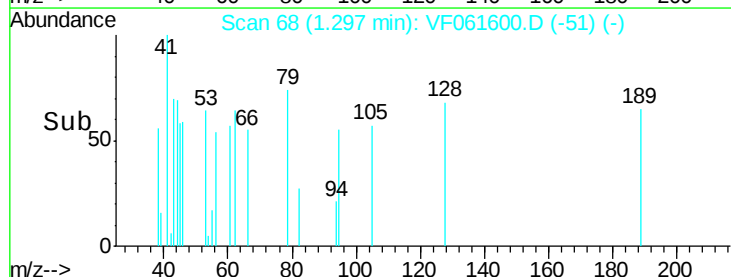
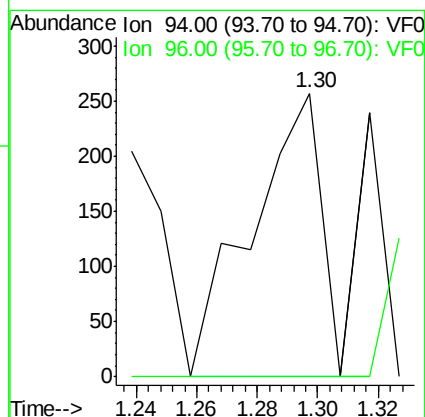
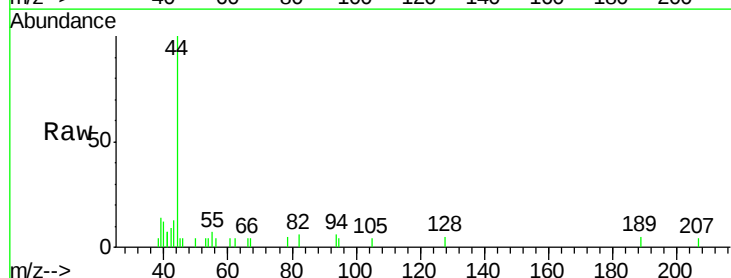
Acq: 11 Feb 2019 21:58

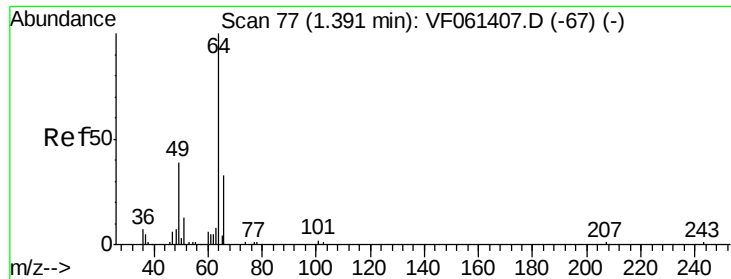
Tgt Ion: 94 Resp: 411

Ion Ratio Lower Upper

94 100

96 0.0 76.0 114.0#





#6

Chloroethane

Concen: 262.416 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

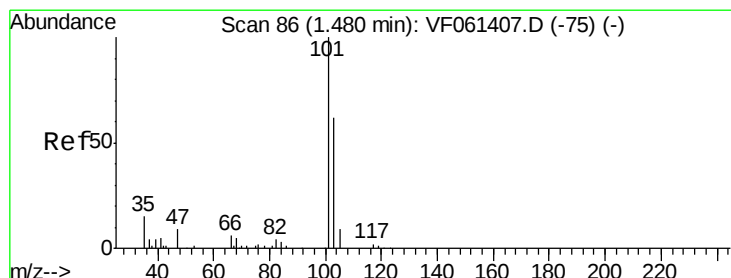
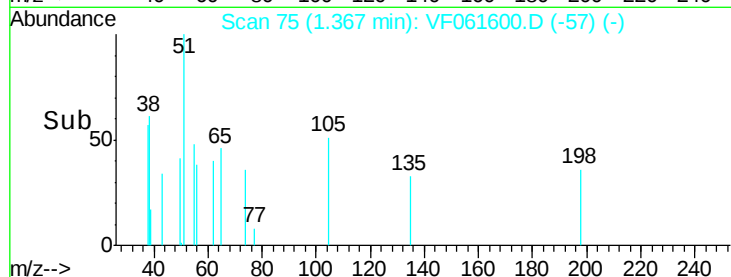
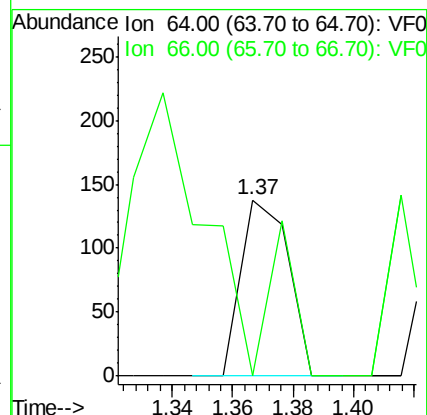
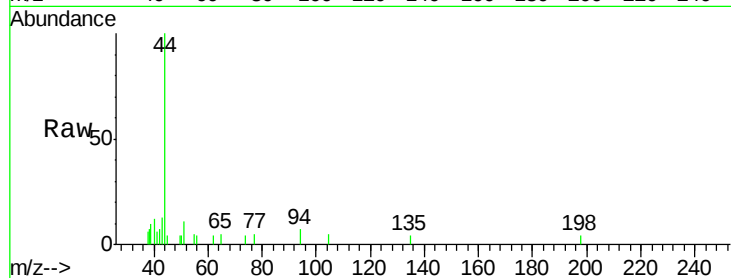
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 64 Resp: 152

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



#7

Trichlorofluoromethane

Concen: 24.791 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.01 min

Lab File: VF061600.D

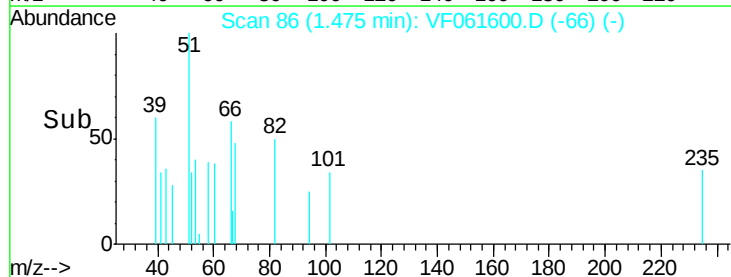
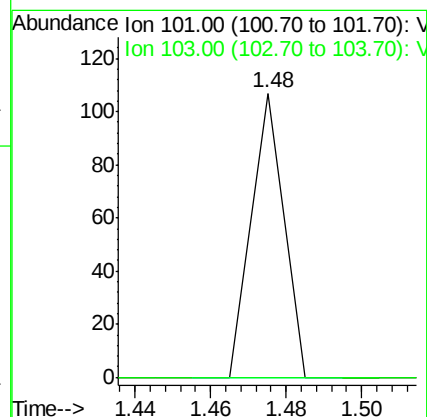
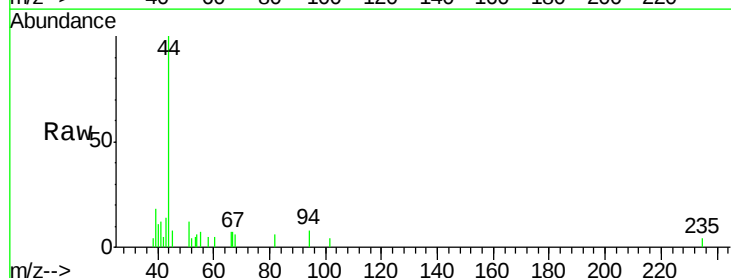
Acq: 11 Feb 2019 21:58

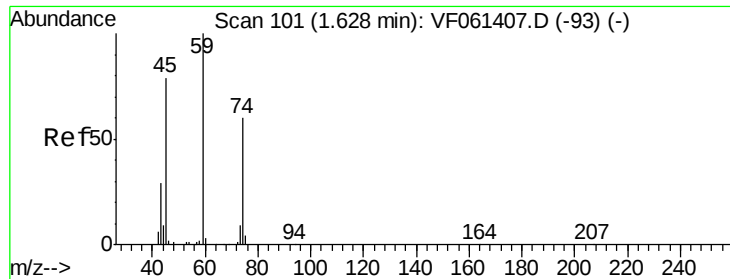
Tgt Ion: 101 Resp: 63

Ion Ratio Lower Upper

101 100

103 0.0 49.7 74.5#





#8

Diethyl Ether

Concen: 193.475 ug/l

RT: 1.65 min Scan# 104

Delta R.T. 0.02 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

Instrument :

MSVOA_F

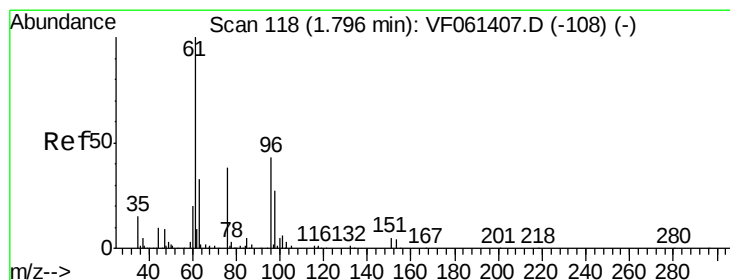
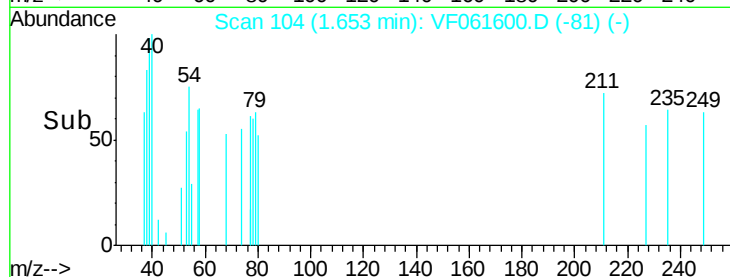
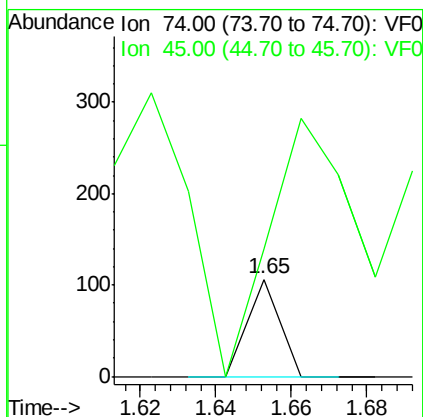
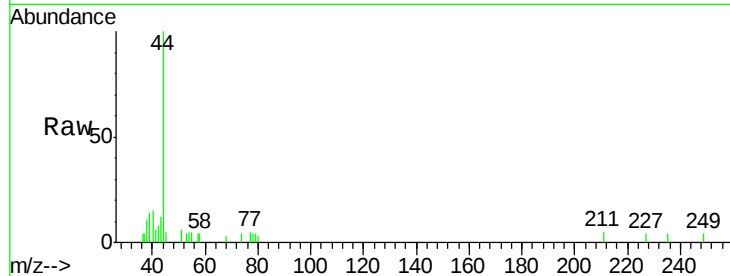
ClientSampleId :

Tot Ion: 74 Resp: 63

Ion Ratio Lower Upper

74 100

45 131.1 65.8 197.5



#12

1,1-Dichloroethene

Concen: 149.914 ug/l

RT: 1.80 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

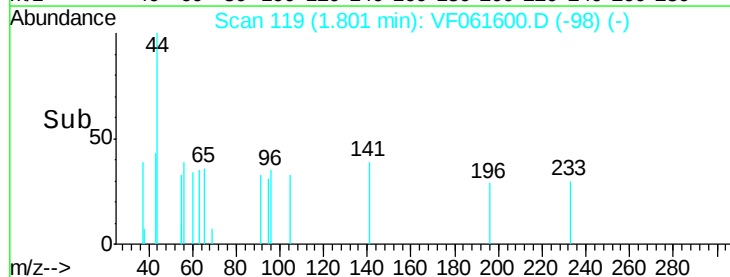
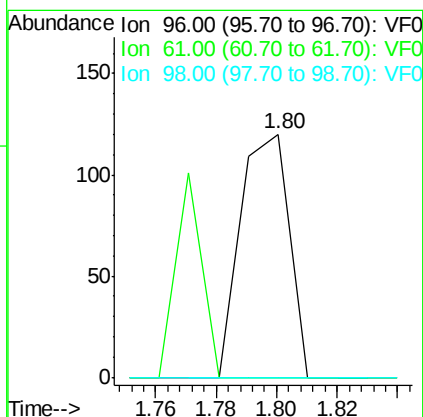
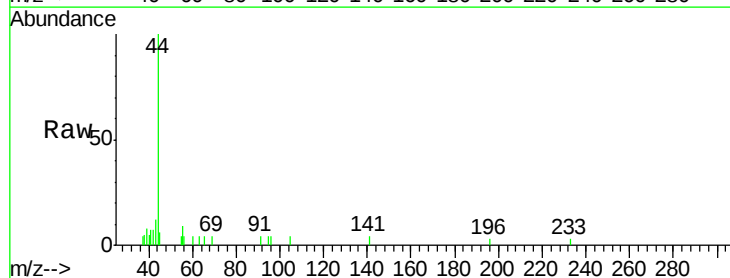
Tgt Ion: 96 Resp: 136

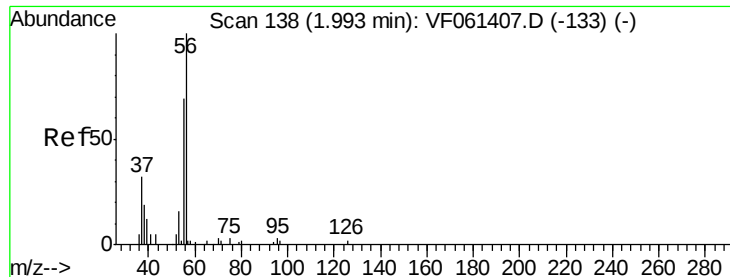
Ion Ratio Lower Upper

96 100

61 0.0 186.9 280.3#

98 0.0 53.0 79.4#





#13

Acrolein

Concen: 1597.174 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.08 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

Instrument :

MSVOA_F

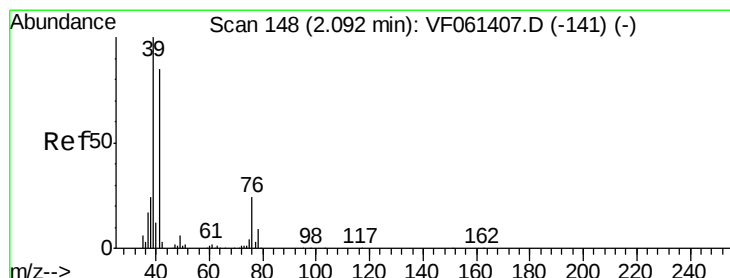
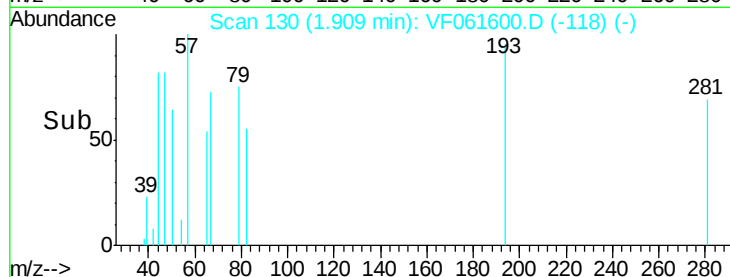
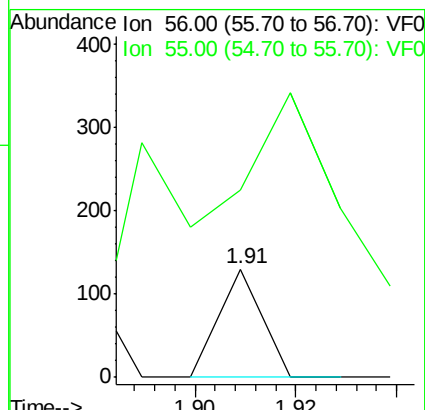
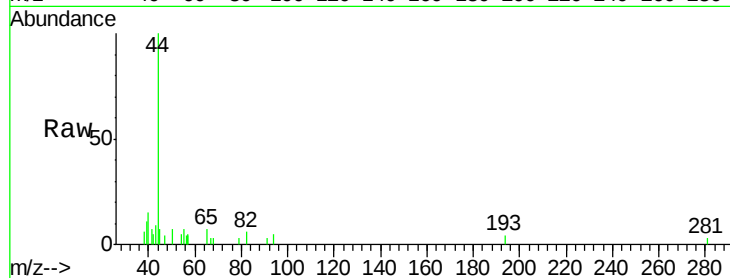
ClientSampleId :

Tot Ion: 56 Resp: 76

Ion Ratio Lower Upper

56 100

55 81.5 57.5 86.3



#14

Allyl chloride

Concen: 198.774 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.04 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

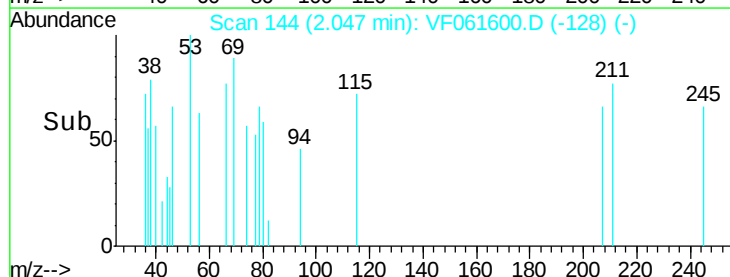
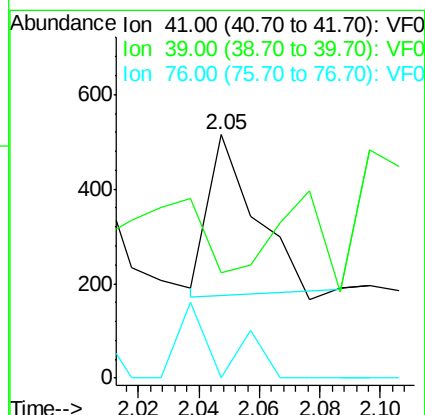
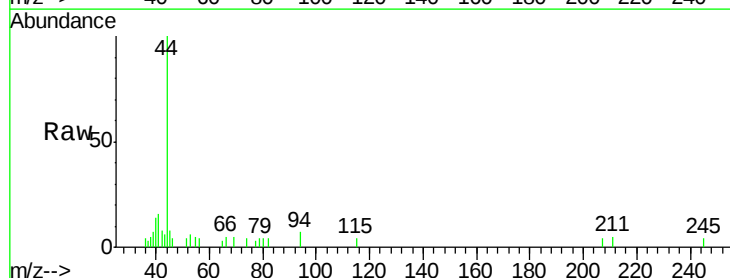
Tgt Ion: 41 Resp: 361

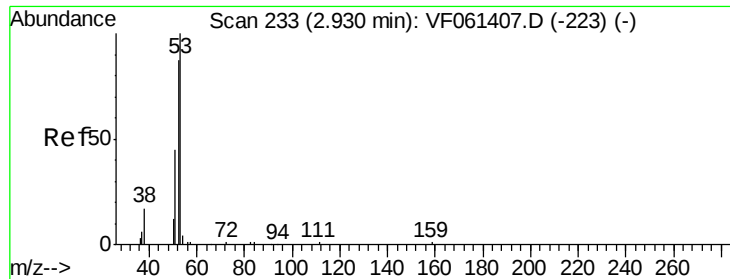
Ion Ratio Lower Upper

41 100

39 43.3 94.6 141.8#

76 0.0 25.9 38.9#





#15

Acrylonitrile

Concen: 2863.626 ug/l

RT: 2.94 min Scan# 235

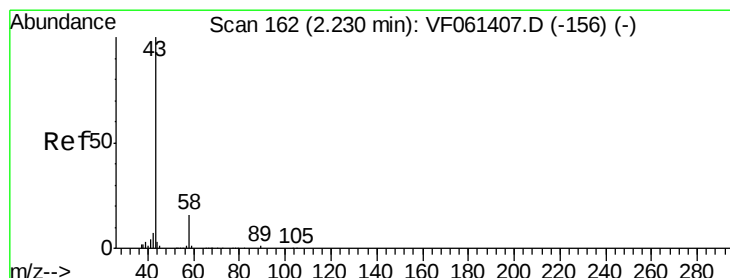
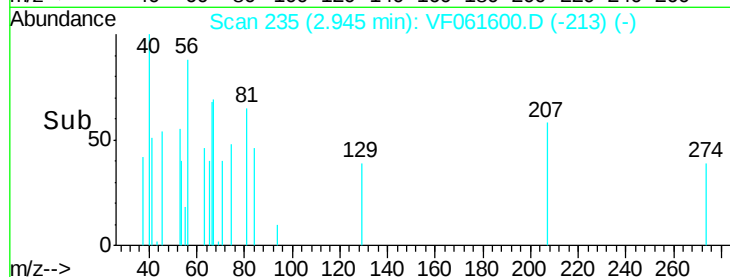
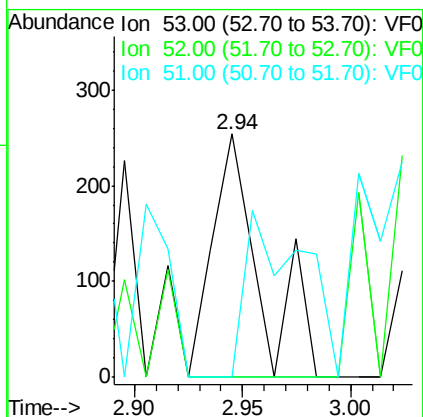
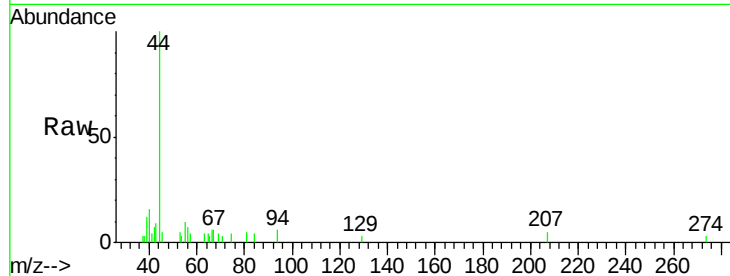
Delta R.T. 0.01 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	53	Resp:	391
Ion	Ratio	Lower	Upper
53	100		
52	0.0	69.6	104.4#
51	0.0	36.8	55.2#



#16

Acetone

Concen: 3514.958 ug/l

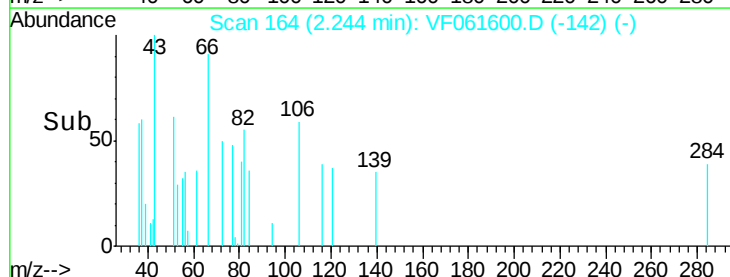
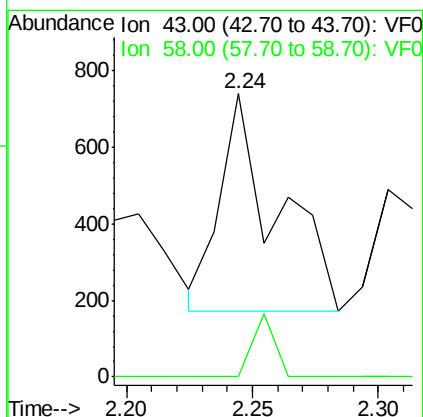
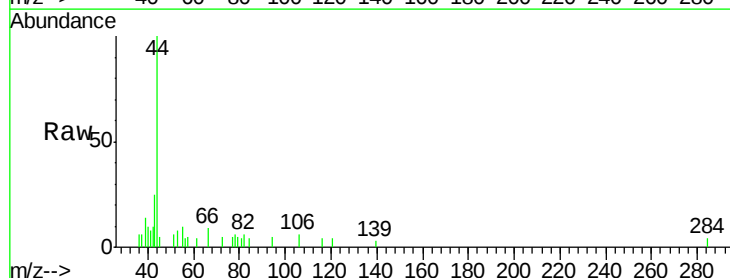
RT: 2.24 min Scan# 164

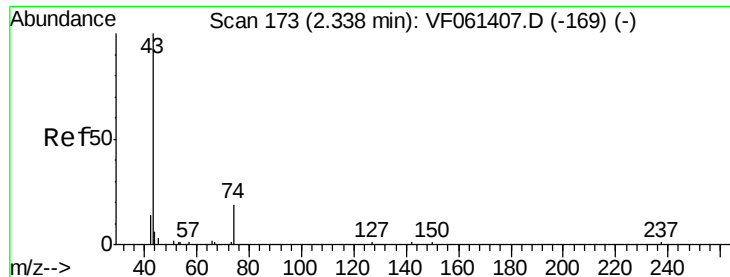
Delta R.T. 0.01 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

Tgt Ion:	43	Resp:	888
Ion	Ratio	Lower	Upper
43	100		
58	0.0	13.3	19.9#

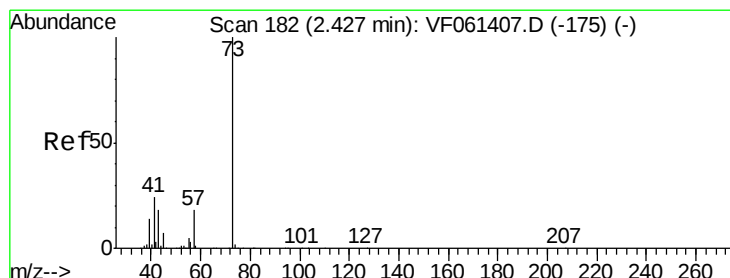
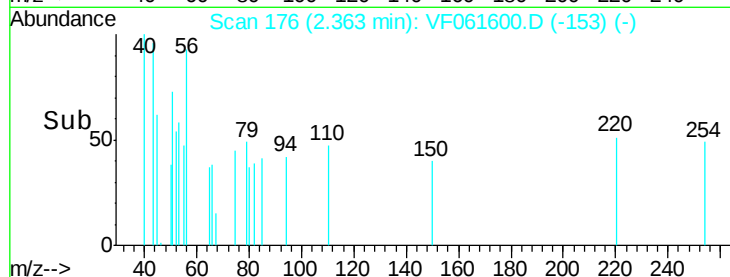
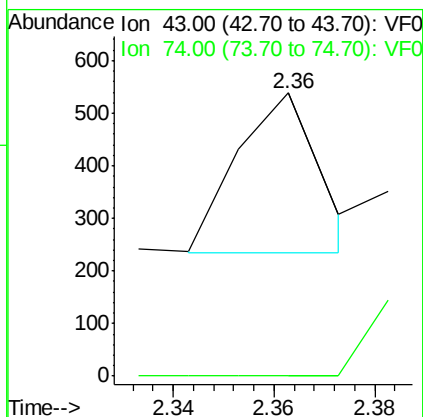
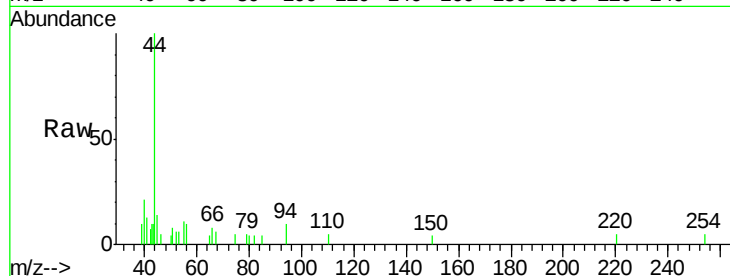




#18
Methyl Acetate
Concen: 676.628 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.02 min
Lab File: VF061600.D
Acq: 11 Feb 2019 21:58

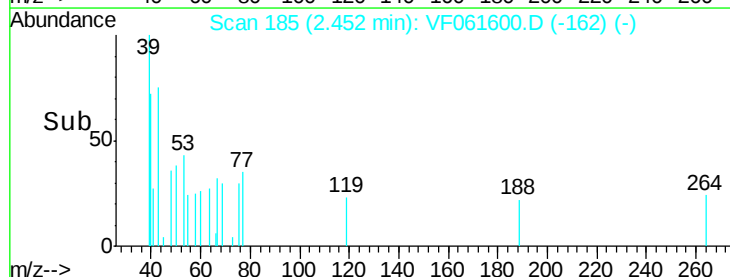
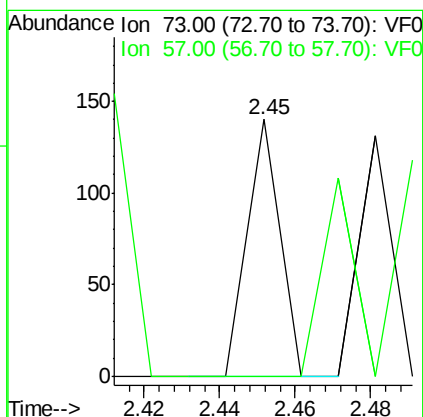
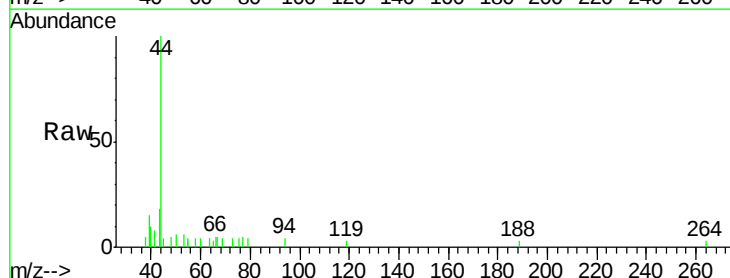
Instrument :
MSVOA_F
ClientSampleId :

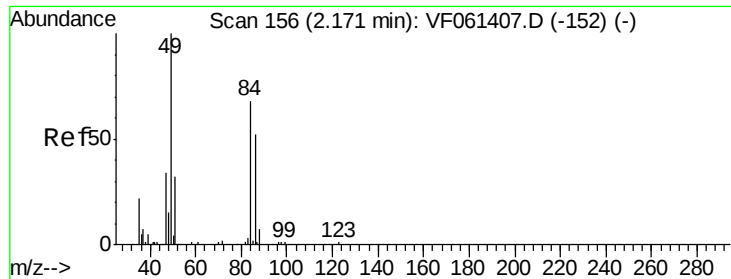
Tot Ion: 43 Resp: 339
Ion Ratio Lower Upper
43 100
74 0.0 13.4 20.0#



#19
Methyl tert-butyl Ether
Concen: 40.813 ug/l
RT: 2.45 min Scan# 185
Delta R.T. 0.02 min
Lab File: VF061600.D
Acq: 11 Feb 2019 21:58

Tgt Ion: 73 Resp: 83
Ion Ratio Lower Upper
73 100
57 0.0 14.8 22.2#

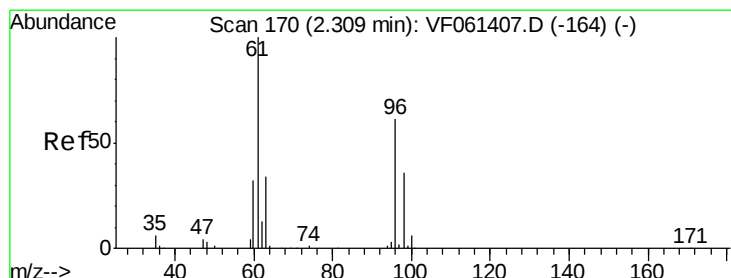
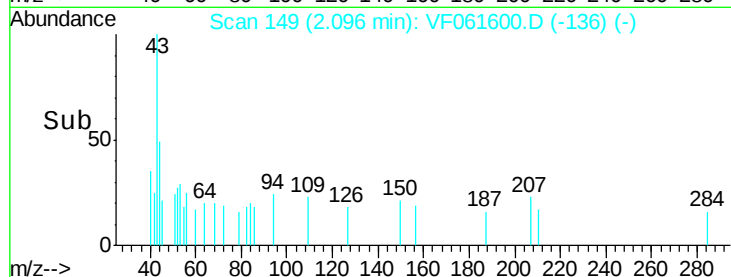
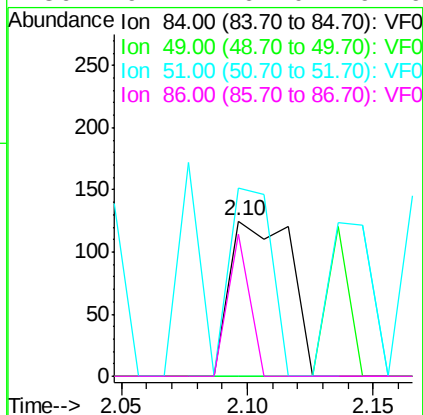
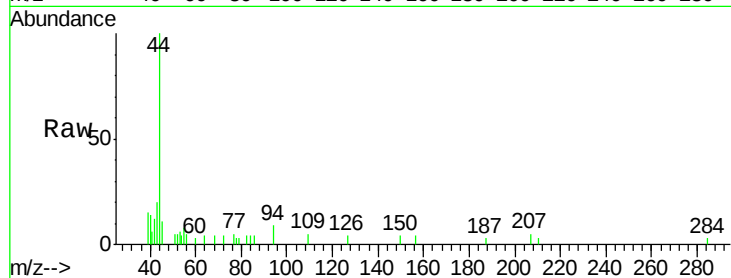




#20
Methvlene Chloride
Concen: 253.182 ug/l
RT: 2.10 min Scan# 149
Delta R.T. -0.07 min
Lab File: VF061600.D
Acq: 11 Feb 2019 21:58

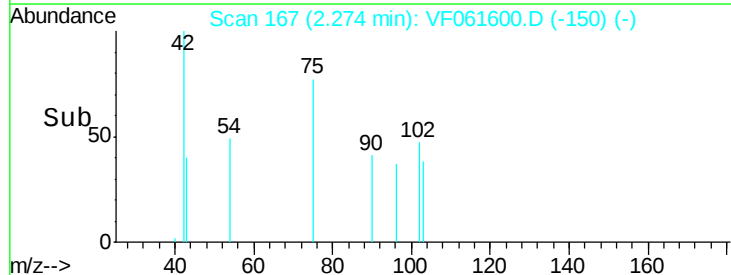
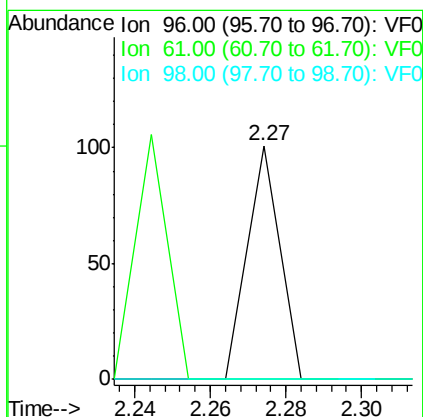
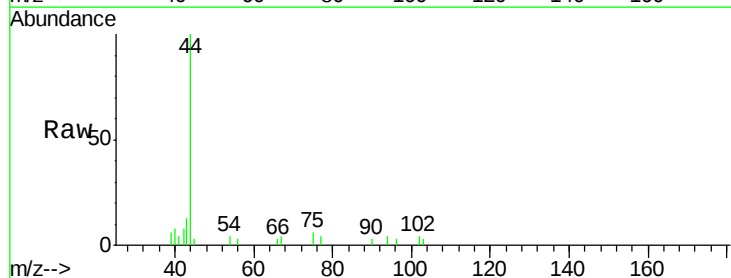
Instrument :
MSVOA_F
ClientSampled :

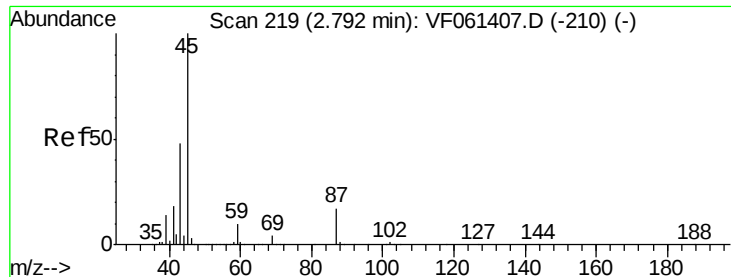
Tot Ion: 84 Resp: 211
Ion Ratio Lower Upper
84 100
49 0.0 120.0 180.0#
51 121.6 38.6 58.0#
86 91.2 61.0 91.6



#21
trans-1,2-Dichloroethene
Concen: 60.113 ug/l
RT: 2.27 min Scan# 167
Delta R.T. -0.03 min
Lab File: VF061600.D
Acq: 11 Feb 2019 21:58

Tgt Ion: 96 Resp: 60
Ion Ratio Lower Upper
96 100
61 0.0 131.8 197.8#
98 0.0 47.4 71.0#





#22

Diisopropyl ether

Concen: 327.101 ug/l

RT: 2.82 min Scan# 222

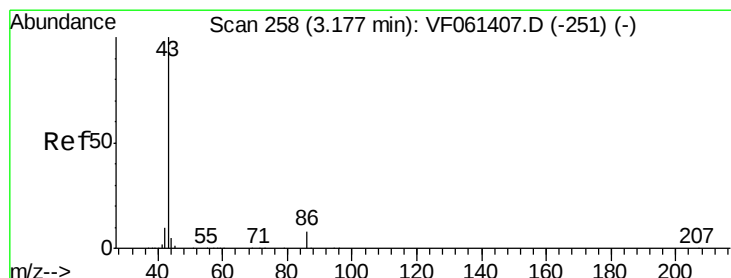
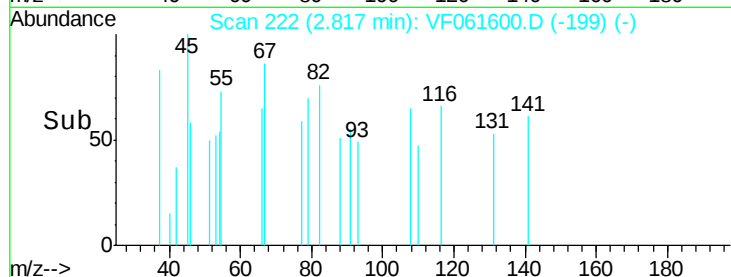
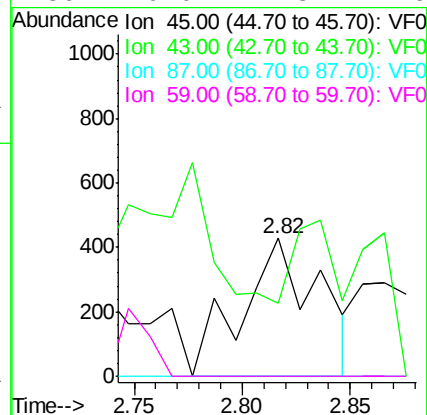
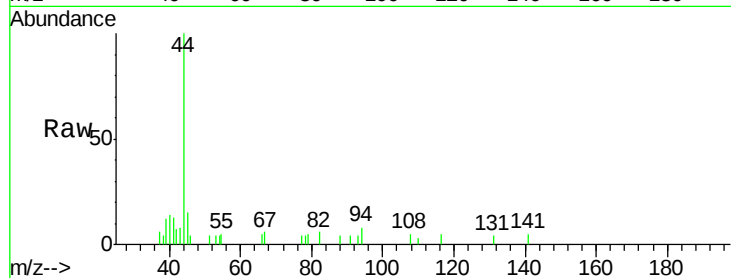
Delta R.T. 0.02 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	45	Resp:	1056
Ion	Ratio	Lower	Upper
45	100		
43	53.3	39.0	58.6
87	0.0	13.9	20.9#
59	0.0	7.8	11.6#



#23

Vinyl Acetate

Concen: 63.679 ug/l

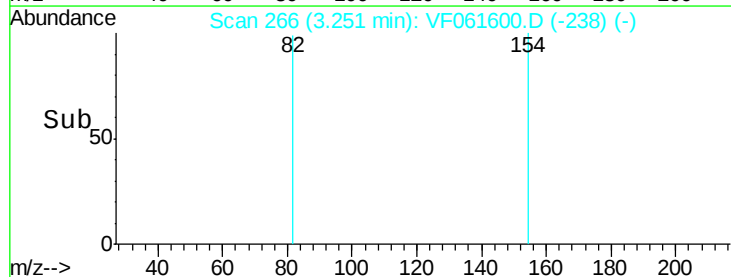
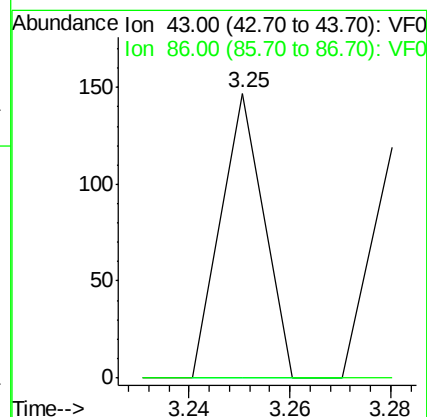
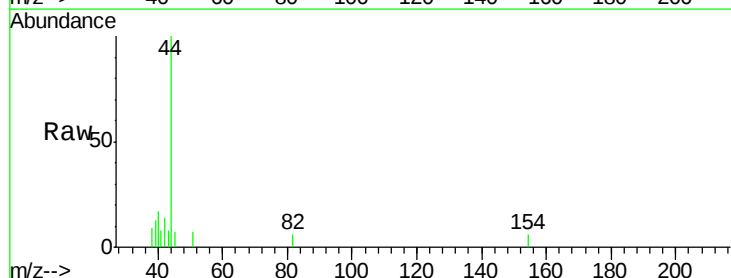
RT: 3.25 min Scan# 266

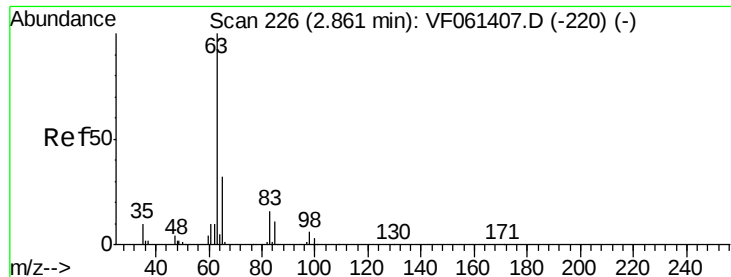
Delta R.T. 0.07 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

Tgt Ion:	43	Resp:	87
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.4#





#24

1,1-Dichloroethane

Concen: 29.612 ug/l

RT: 2.90 min Scan# 230

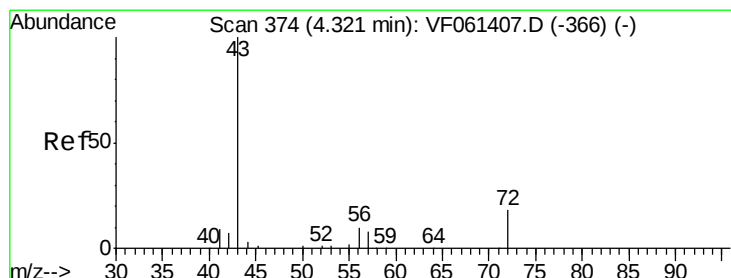
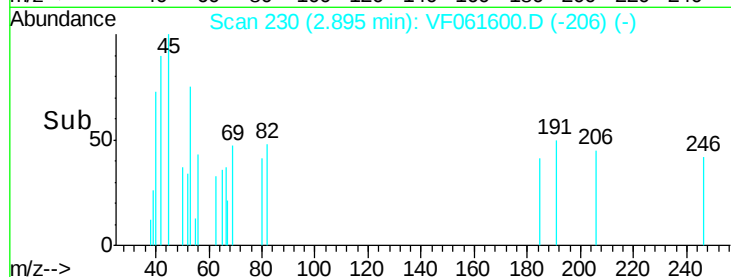
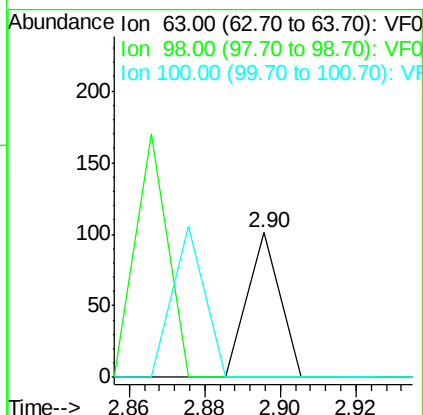
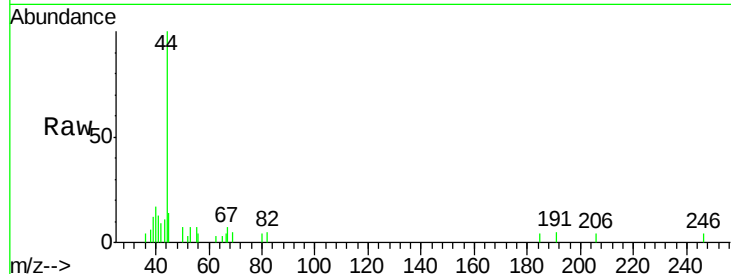
Delta R.T. 0.03 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	63	Resp:	60
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.9	8.8#
100	0.0	1.6	4.8#



#25

2-Butanone

Concen: 226.126 ug/l

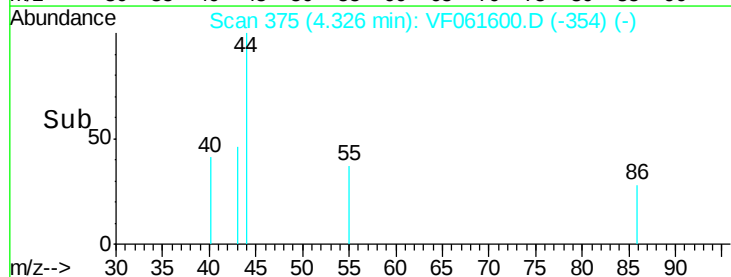
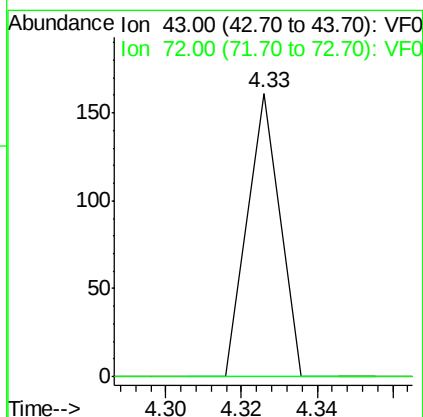
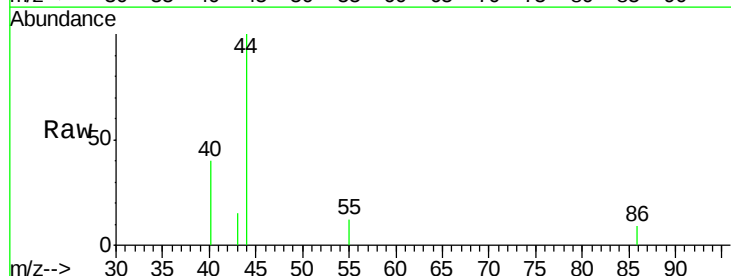
RT: 4.33 min Scan# 375

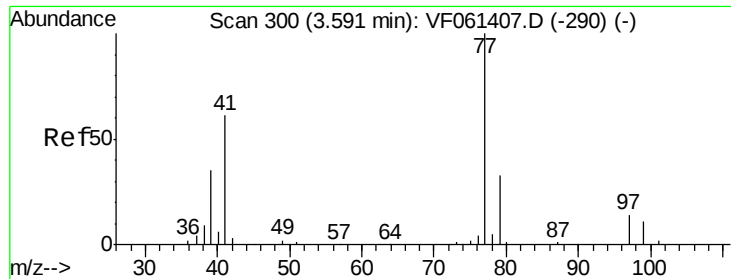
Delta R.T. 0.00 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

Tgt Ion:	43	Resp:	95
Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.8	23.6#





#26

2,2-Dichloropropane

Concen: 68.280 ug/l

RT: 3.51 min Scan# 292

Delta R.T. -0.08 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

Instrument :

MSVOA_F

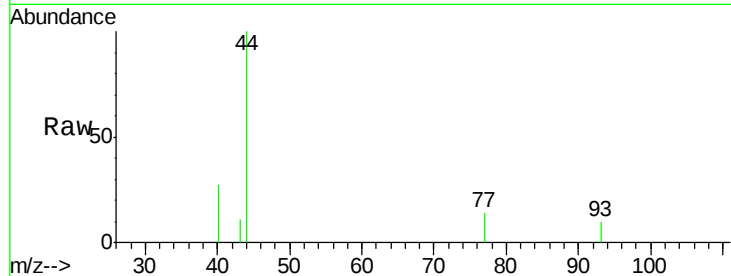
ClientSampleId :

Tot Ion: 77 Resp: 85

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

3.51

150

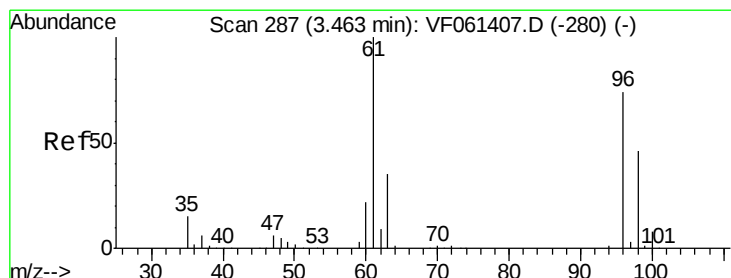
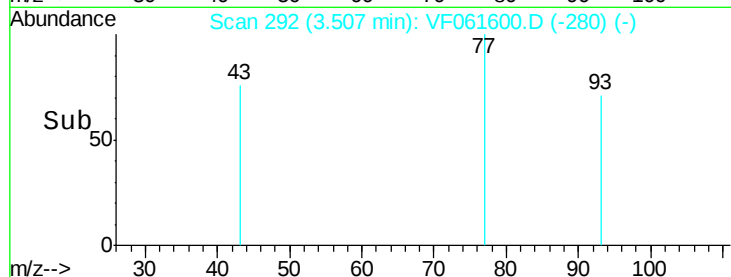
100

50

0

3.50 3.52

Time-->



#27

cis-1,2-Dichloroethene

Concen: 48.867 ug/l

RT: 3.40 min Scan# 281

Delta R.T. -0.06 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

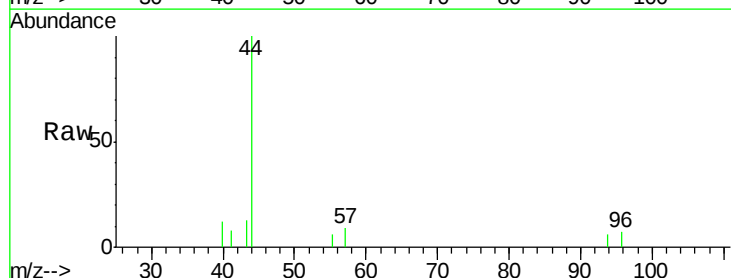
Tgt Ion: 96 Resp: 72

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

150

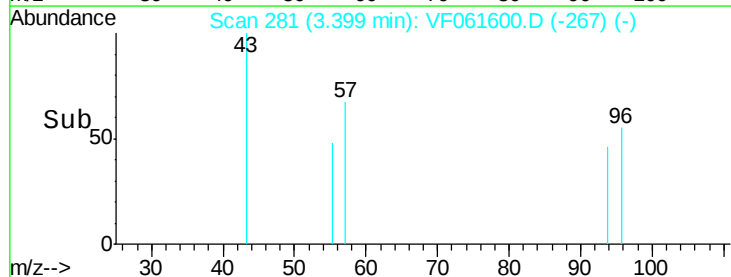
100

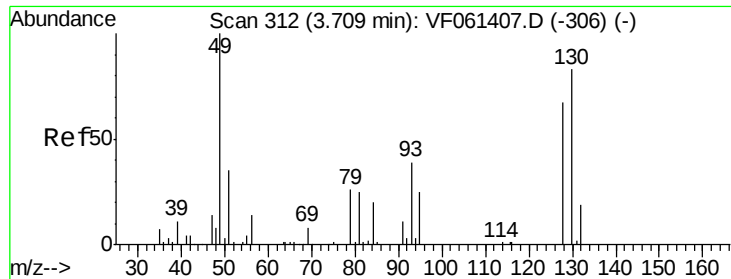
50

0

3.36 3.38 3.40 3.42

Time-->





#28

Bromochloromethane

Concen: 75.758 ug/l

RT: 3.68 min Scan# 310

Delta R.T. -0.02 min

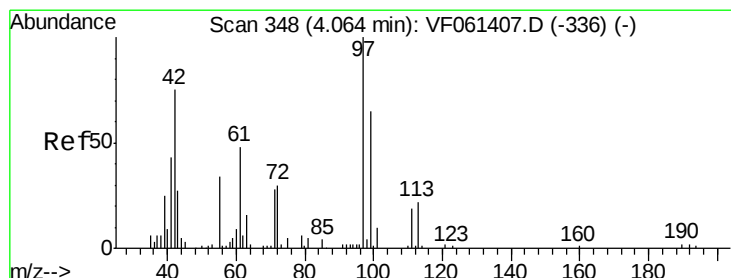
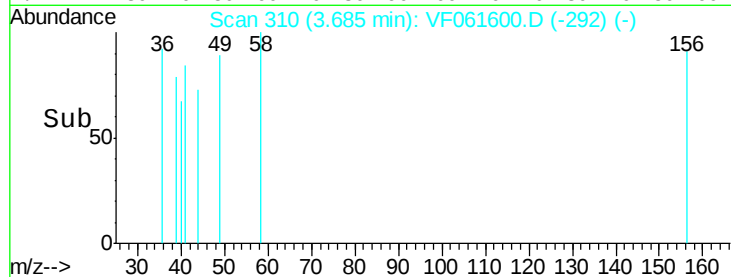
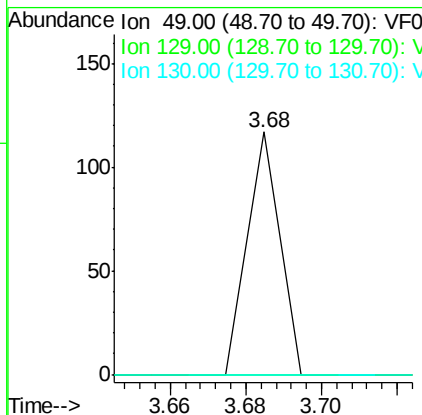
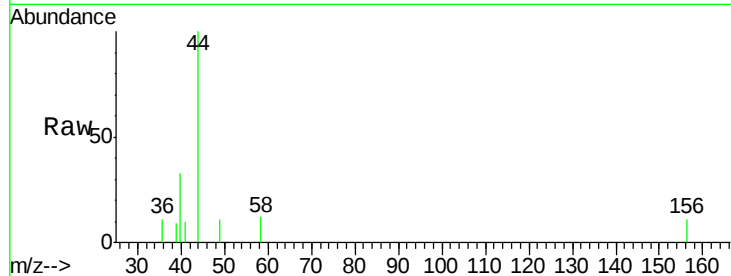
Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 49 Resp: 69

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	0.0	65.4	98.2#



#29

Tetrahydrofuran

Concen: 1077.937 ug/l

RT: 4.00 min Scan# 342

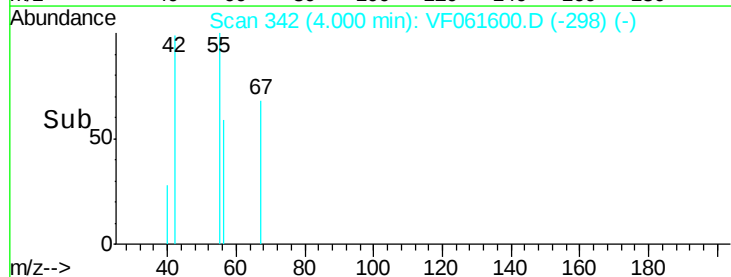
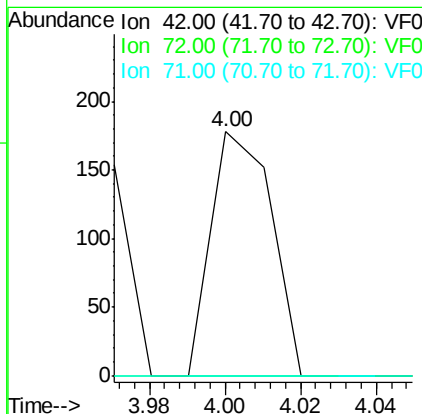
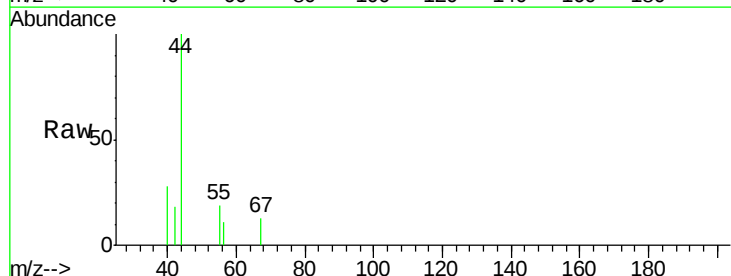
Delta R.T. -0.06 min

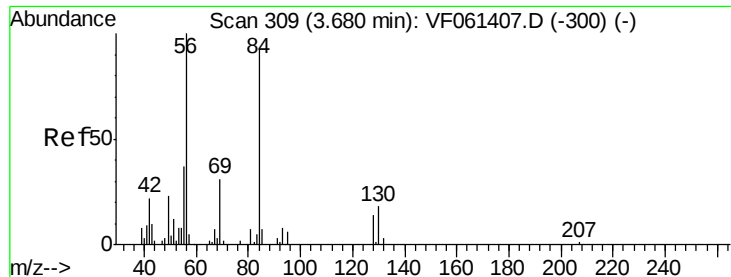
Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

Tgt Ion: 42 Resp: 195

Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.9	43.3#
71	0.0	29.6	44.4#





#31

Cyclohexane

Concen: 31.621 ug/l

RT: 3.66 min Scan# 307

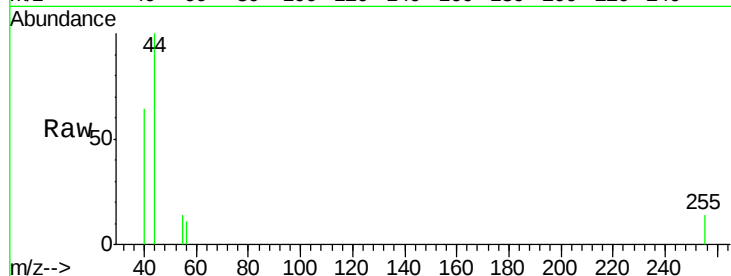
Delta R.T. -0.02 min

Lab File: VF061600.D

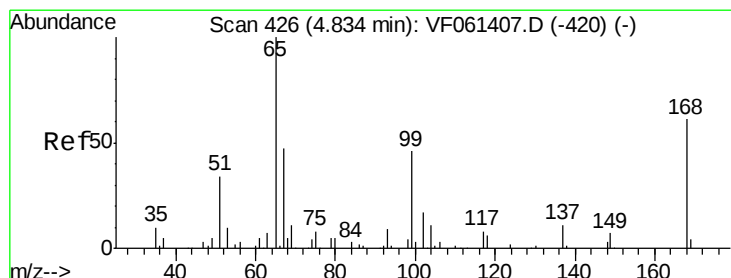
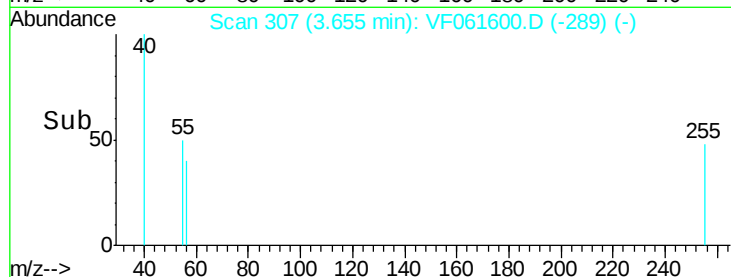
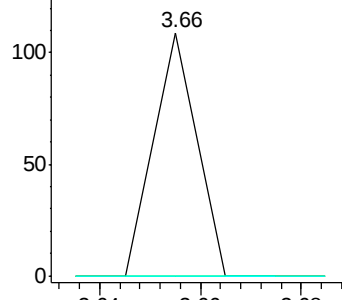
Acq: 11 Feb 2019 21:58

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	56	Resp:	64
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



#33

1,2-Dichloroethane-d4

Concen: 104.024 ug/l

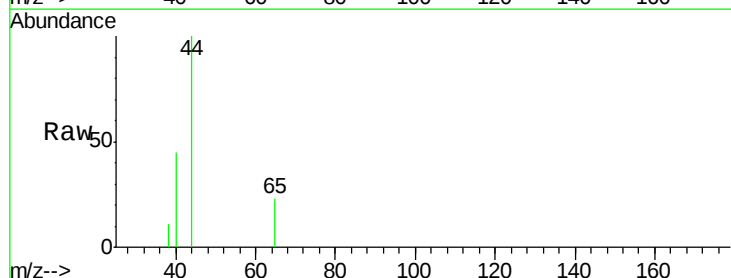
RT: 4.84 min Scan# 427

Delta R.T. 0.00 min

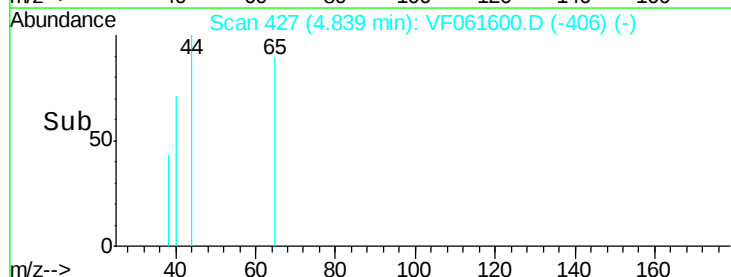
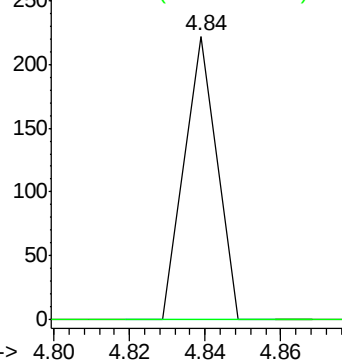
Lab File: VF061600.D

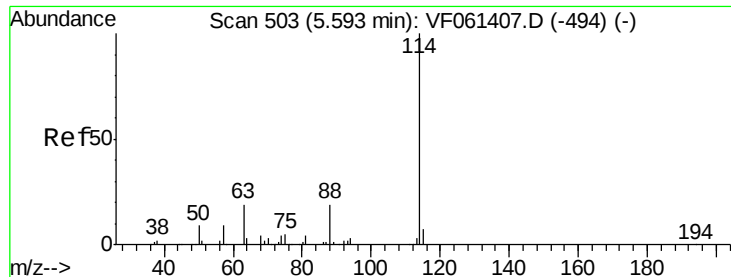
Acq: 11 Feb 2019 21:58

Tgt Ion:	65	Resp:	131
Ion	Ratio	Lower	Upper
65	100		
67	0.0	0.0	99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

Instrument :

MSVOA_F

ClientSampleId :

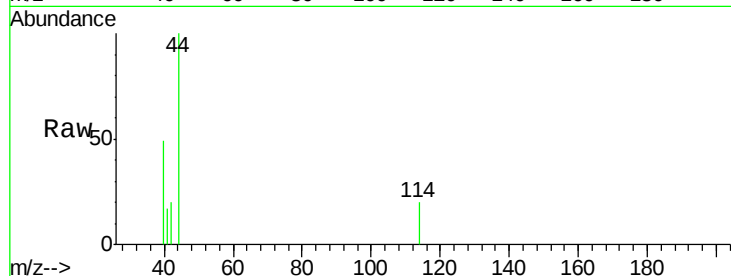
Tot Ion:114 Resp: 90

Ion Ratio Lower Upper

114 100

63 0.0 0.0 39.0

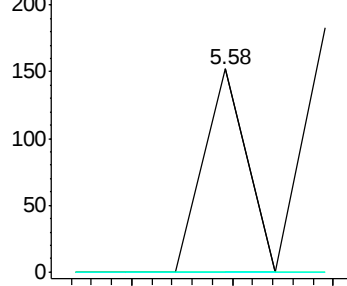
88 0.0 0.0 37.4



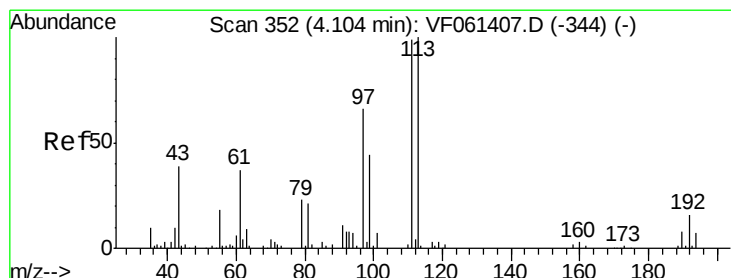
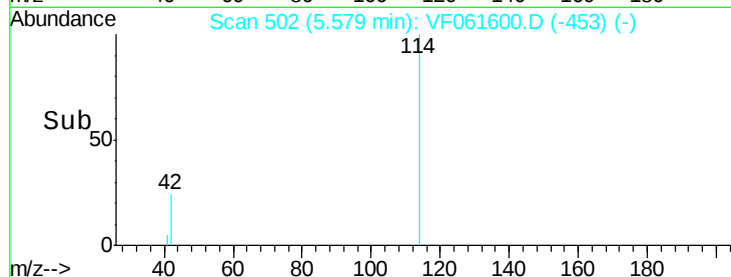
Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



Time-->



#35

Dibromofluoromethane

Concen: 90.118 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

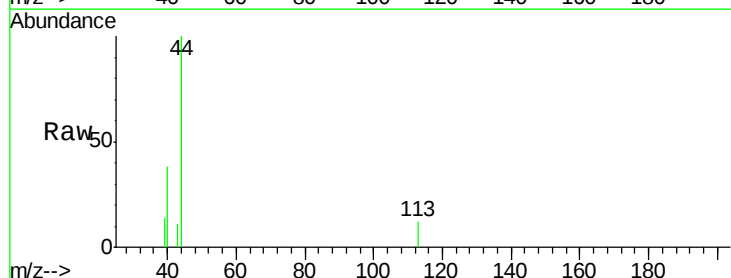
Tgt Ion:113 Resp: 64

Ion Ratio Lower Upper

113 100

111 0.0 79.4 119.0#

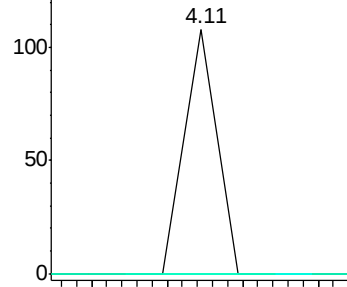
192 0.0 12.4 18.6#



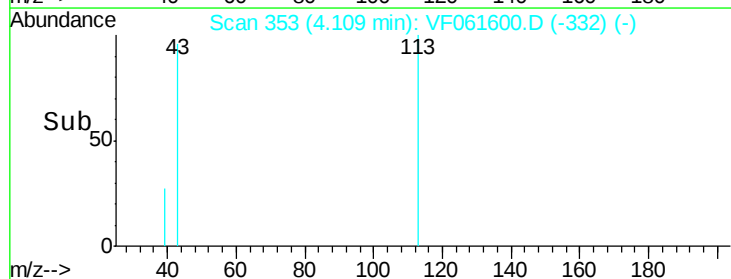
Abundance Ion 113.00 (112.70 to 113.70): V

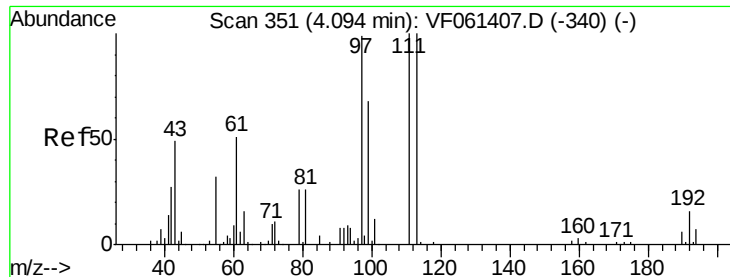
Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



Time-->





#37

Ethyl Acetate

Concen: 513.038 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.03 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

Instrument :
MSVOA_F
ClientSampleId :

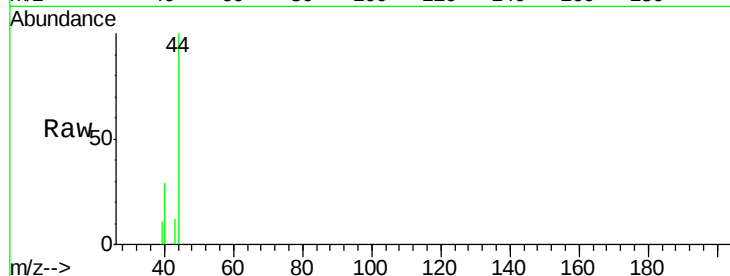
Tot Ion: 43 Resp: 214

Ion Ratio Lower Upper

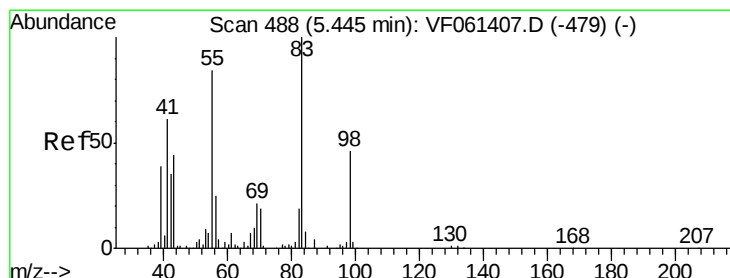
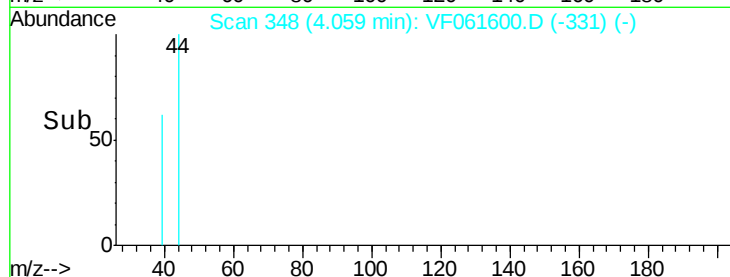
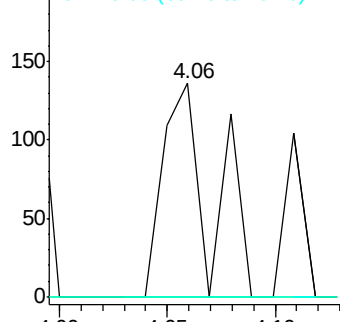
43 100

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



#39

Methylcyclohexane

Concen: 66.321 ug/l

RT: 5.44 min Scan# 488

Delta R.T. -0.00 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

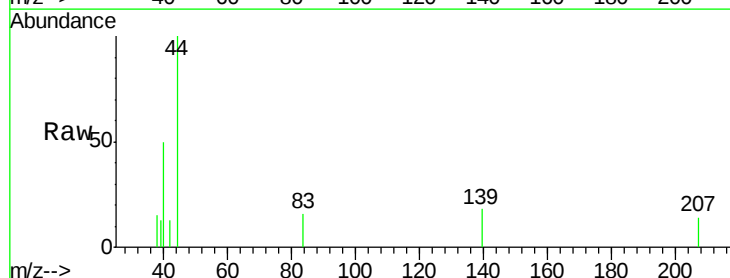
Tgt Ion: 83 Resp: 75

Ion Ratio Lower Upper

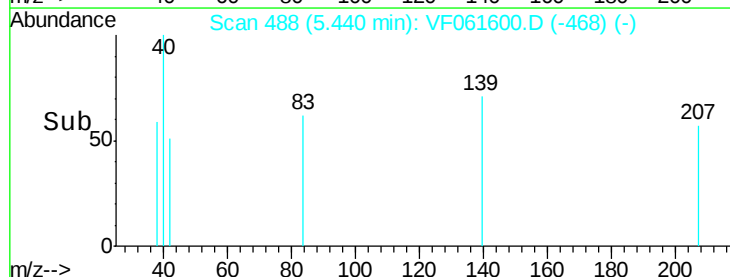
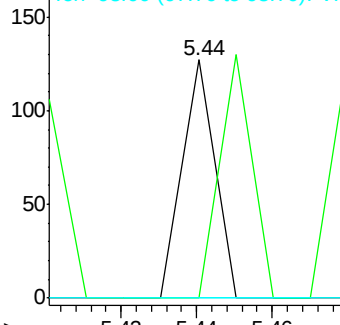
83 100

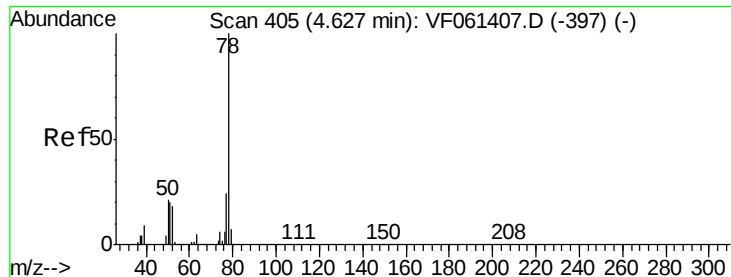
55 0.0 67.4 101.2#

98 0.0 36.7 55.1#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 77.951 ug/l

RT: 4.56 min Scan# 399

Delta R.T. -0.06 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

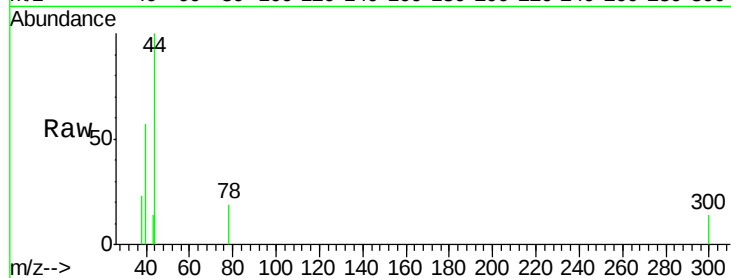
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 78 Resp: 181

Ion Ratio Lower Upper

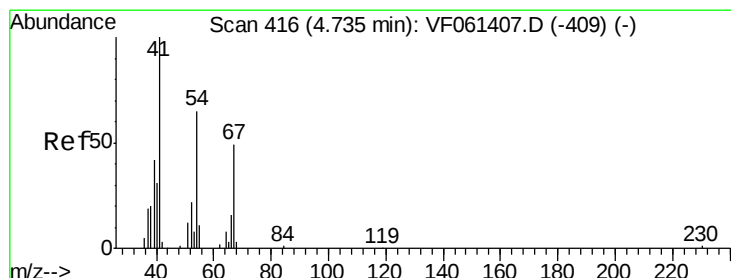
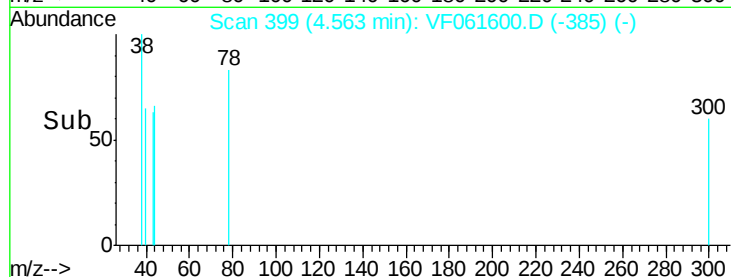
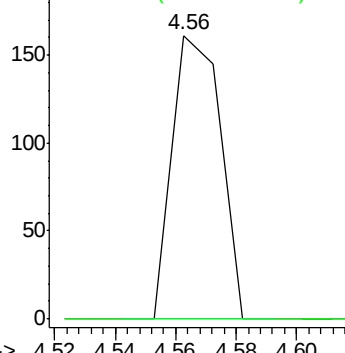
78 100

77 0.0 19.0 28.6#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



#41

Methacrylonitrile

Concen: 644.281 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.00 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

Tgt Ion: 41 Resp: 143

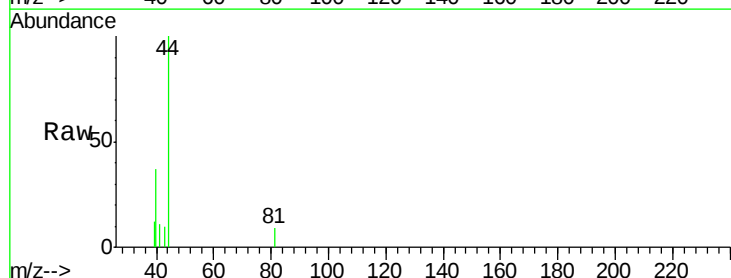
Ion Ratio Lower Upper

41 100

39 103.9 43.1 64.7#

67 0.0 38.8 58.2#

52 0.0 33.2 49.8#

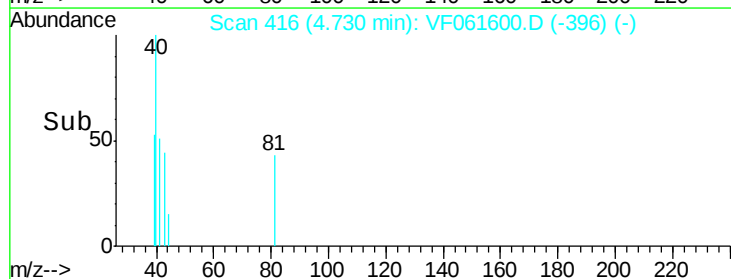
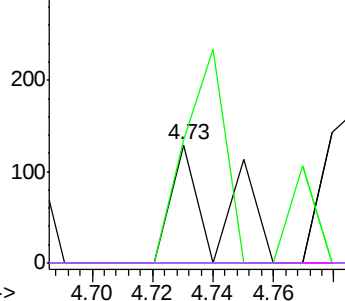


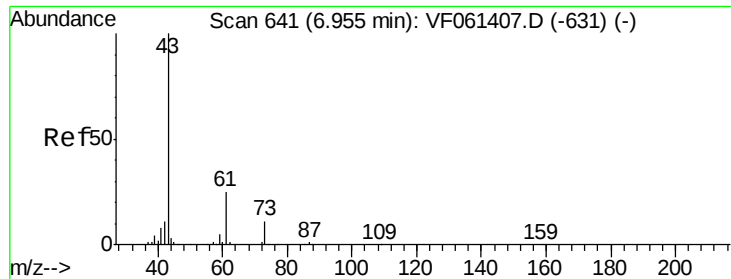
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



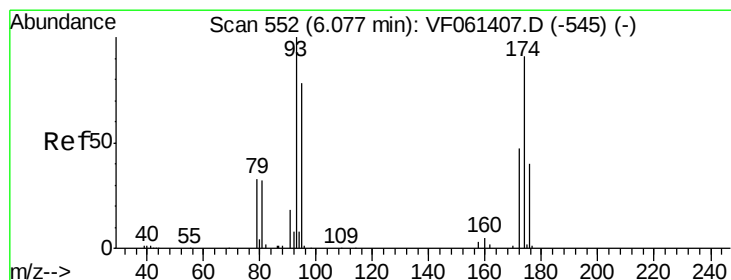
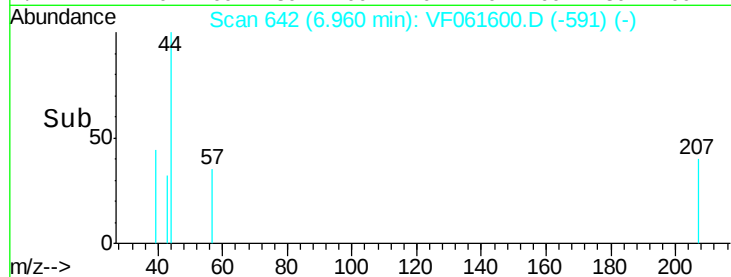
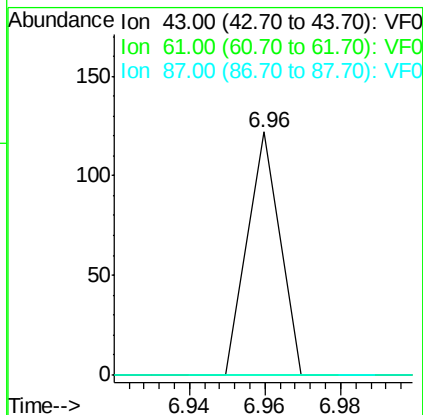
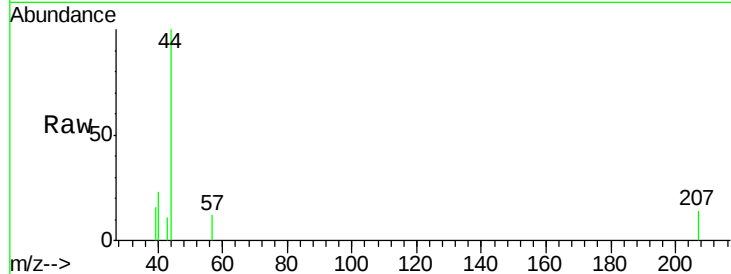


#43

Isopropyl Acetate
 Concen: 137.531 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. 0.00 min
 Lab File: VF061600.D
 Acq: 11 Feb 2019 21:58

Instrument :
 MSVOA_F
 ClientSampleId :

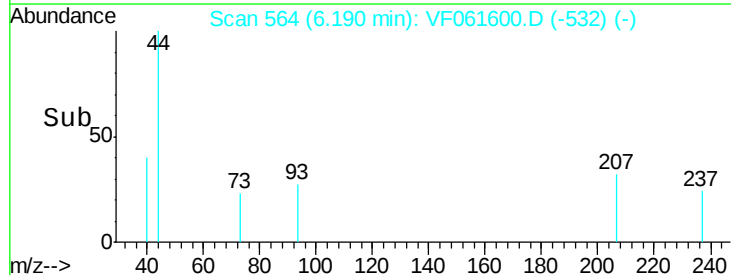
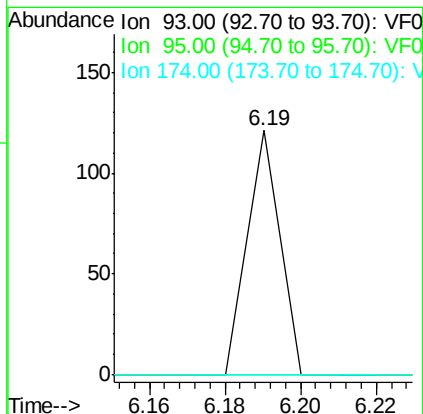
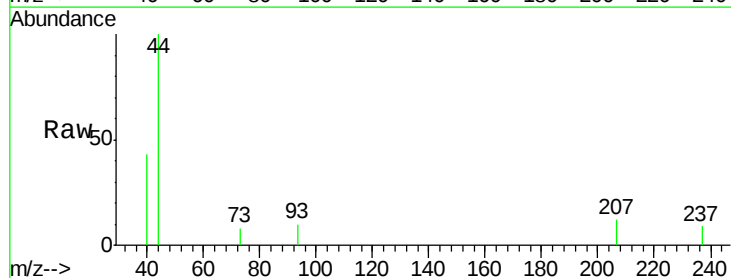
Tot Ion	43	Resp	72
Ion Ratio	100		
Lower	20.3		
Upper	30.5		
61	0.0		
87	0.0		

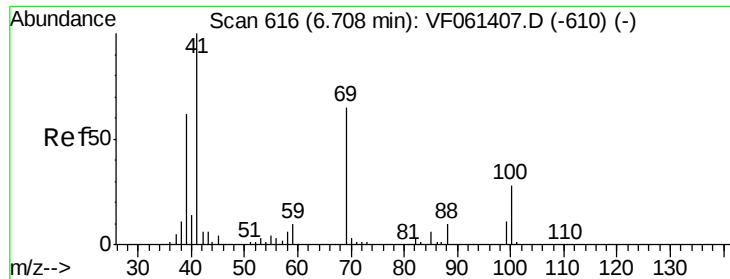


#46

Dibromomethane
 Concen: 177.681 ug/l
 RT: 6.19 min Scan# 564
 Delta R.T. 0.11 min
 Lab File: VF061600.D
 Acq: 11 Feb 2019 21:58

Tgt Ion	93	Resp	72
Ion Ratio	100		
Lower	62.1		
Upper	93.1		
95	0.0		
174	0.0		

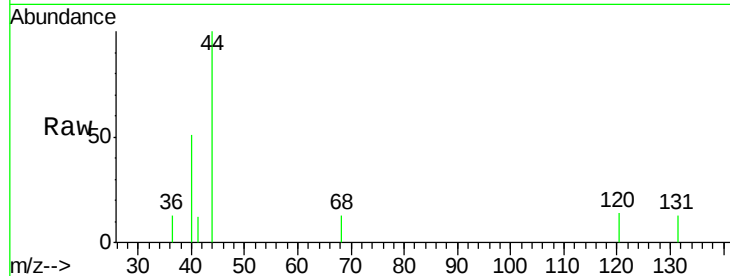




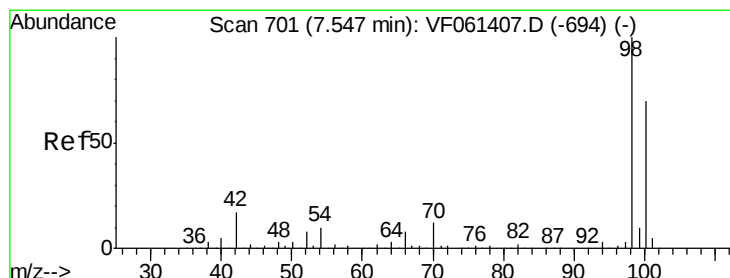
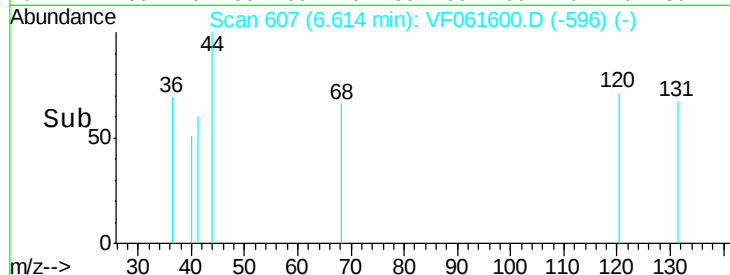
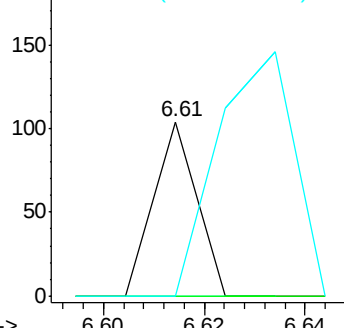
#48
Methvl methacrylate
Concen: 176.365 ug/l
RT: 6.61 min Scan# 607
Delta R.T. -0.09 min
Lab File: VF061600.D
Acq: 11 Feb 2019 21:58

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 41 Resp: 62
Ion Ratio Lower Upper
41 100
69 0.0 51.7 77.5#
39 0.0 49.2 73.8#

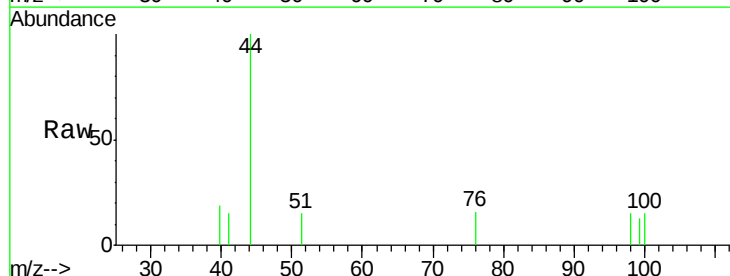


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

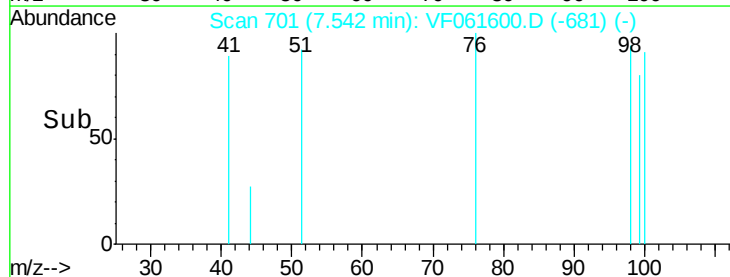
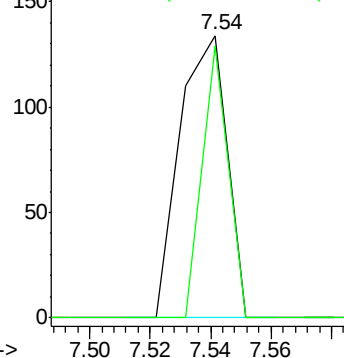


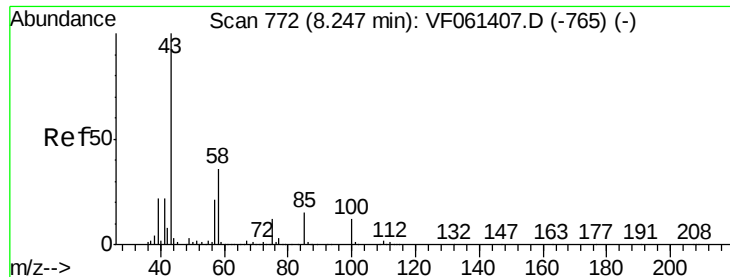
#50
Toluene-d8
Concen: 74.007 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.00 min
Lab File: VF061600.D
Acq: 11 Feb 2019 21:58

Tgt Ion: 98 Resp: 144
Ion Ratio Lower Upper
98 100
100 96.3 55.6 83.4#



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 332.581 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

Instrument :

MSVOA_F

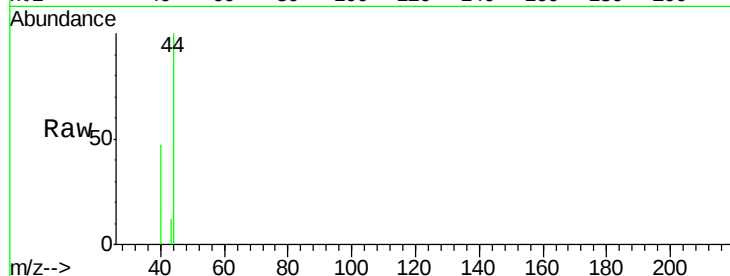
ClientSampleId :

Tot Ion: 43 Resp: 128

Ion Ratio Lower Upper

43 100

58 0.0 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

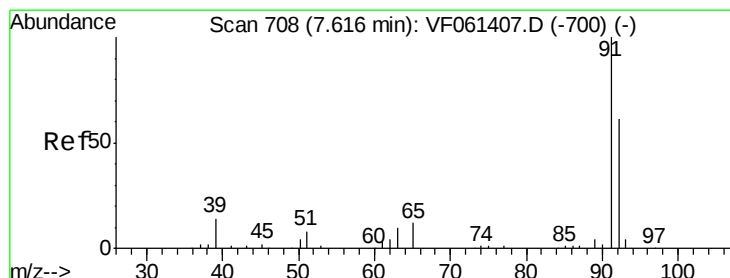
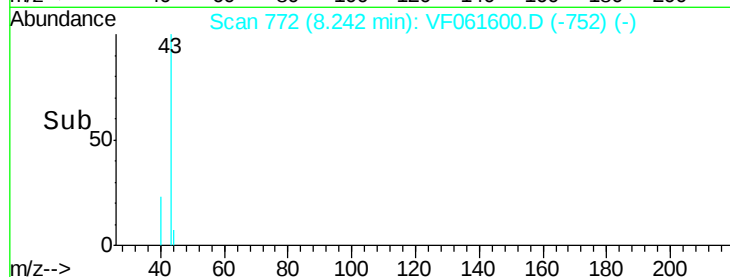
8.24

100

50

0

Time--> 8.20 8.22 8.24 8.26 8.28



#52

Toluene

Concen: 53.626 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.02 min

Lab File: VF061600.D

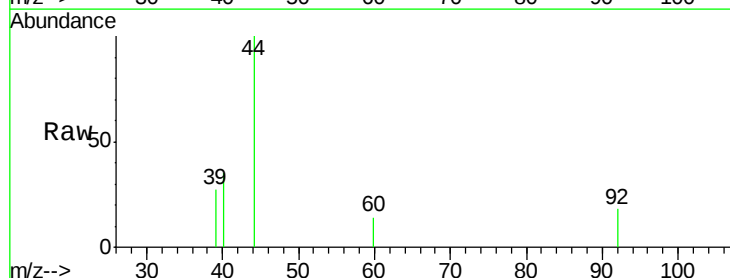
Acq: 11 Feb 2019 21:58

Tgt Ion: 92 Resp: 82

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

7.64

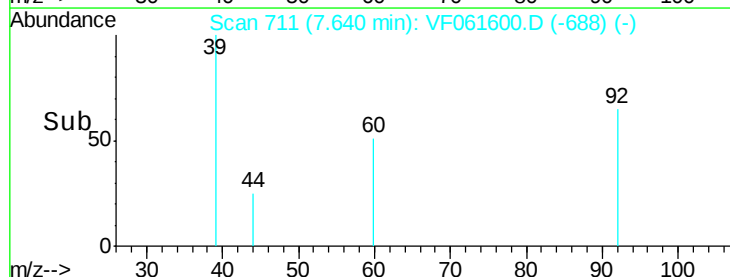
150

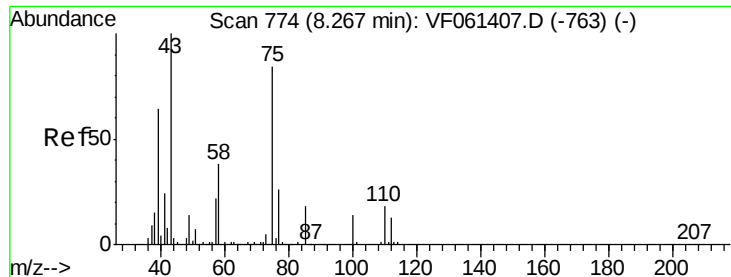
100

50

0

Time--> 7.62 7.64 7.66





#53

t-1,3-Dichloropropene

Concen: 128.122 ug/l

RT: 8.16 min Scan# 764

Delta R.T. -0.10 min

Lab File: VF061600.D

Acq: 11 Feb 2019 21:58

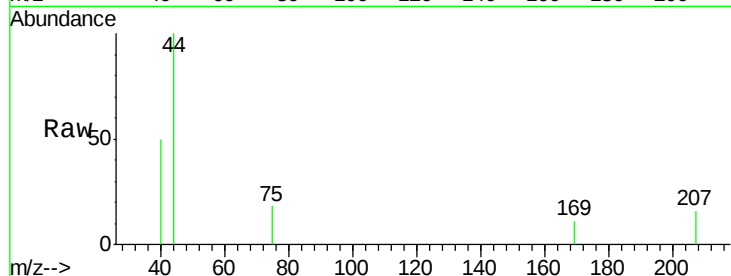
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 102

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

8.16

150

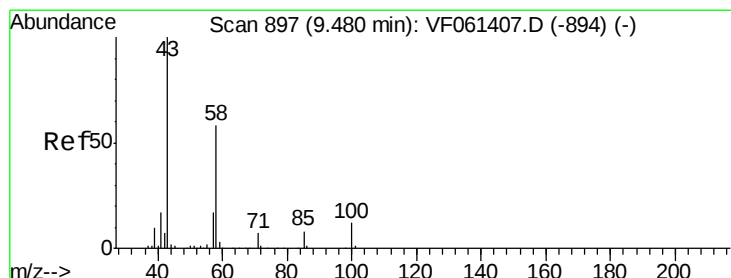
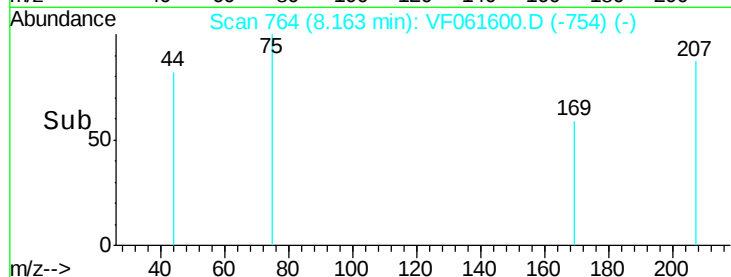
100

50

0

8.14 8.16 8.18

Time-->



#59

2-Hexanone

Concen: 540.285 ug/l

RT: 9.44 min Scan# 893

Delta R.T. -0.04 min

Lab File: VF061600.D

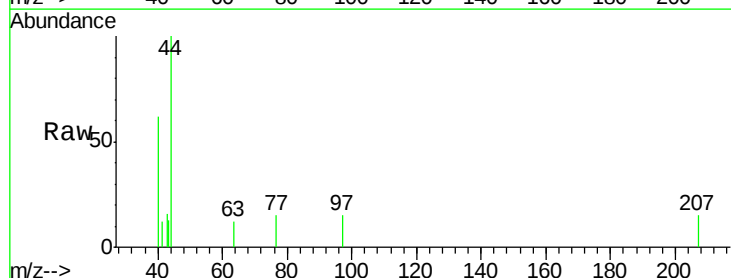
Acq: 11 Feb 2019 21:58

Tgt Ion: 43 Resp: 145

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

9.44

250

200

150

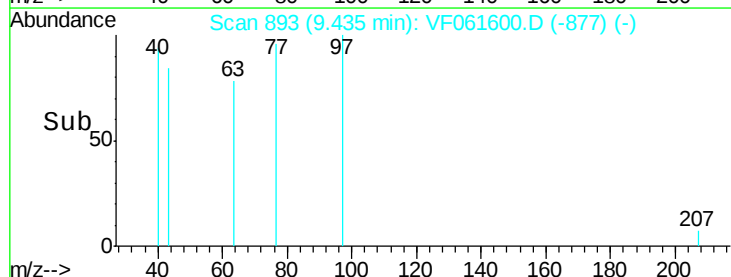
100

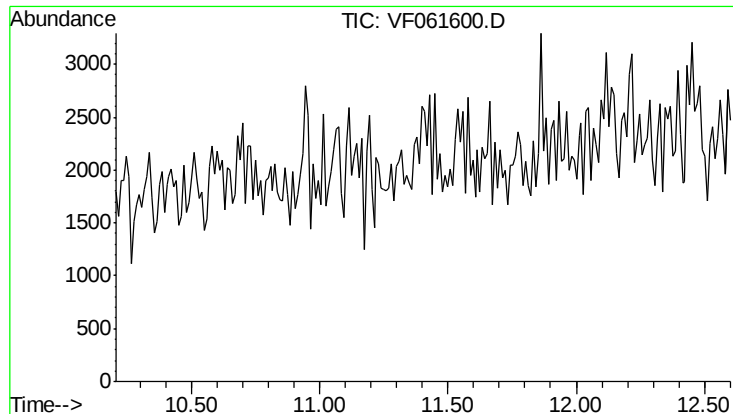
50

0

9.40 9.42 9.44 9.46

Time-->

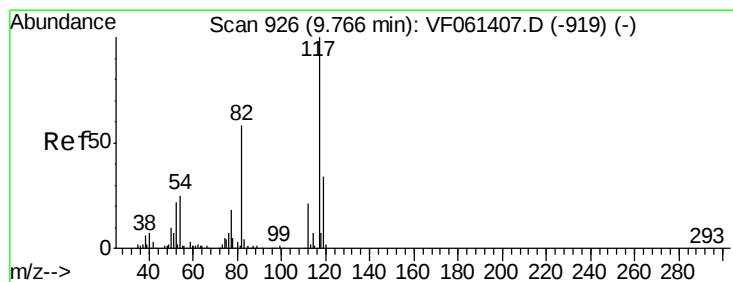
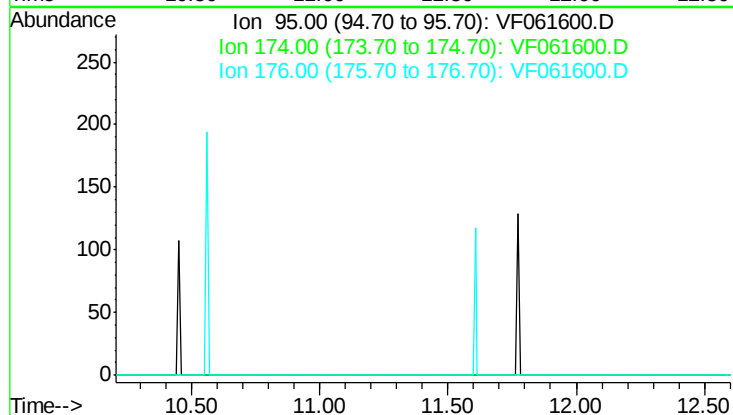




#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 11.40 min
 Lab File: VF061600.D
 Acq: 11 Feb 2019 21:58

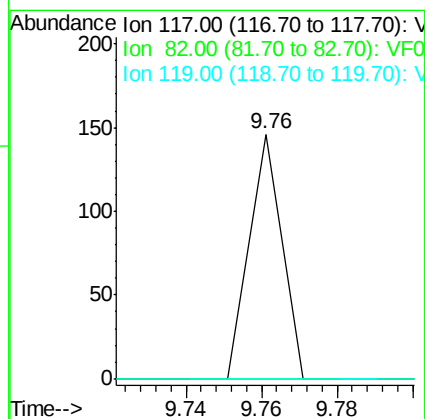
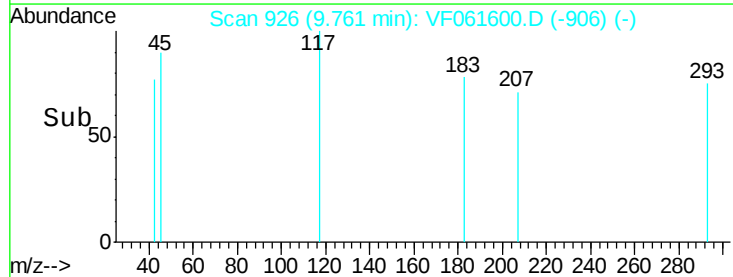
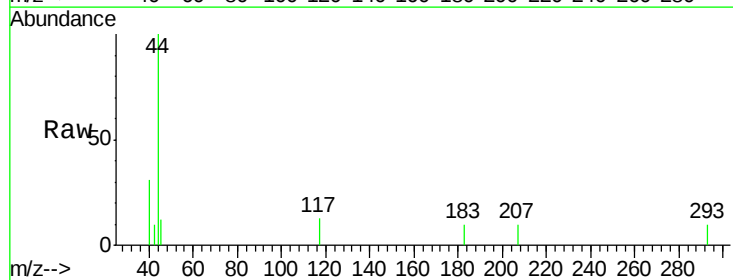
Instrument :
 MSVOA_F
 ClientSampleId :

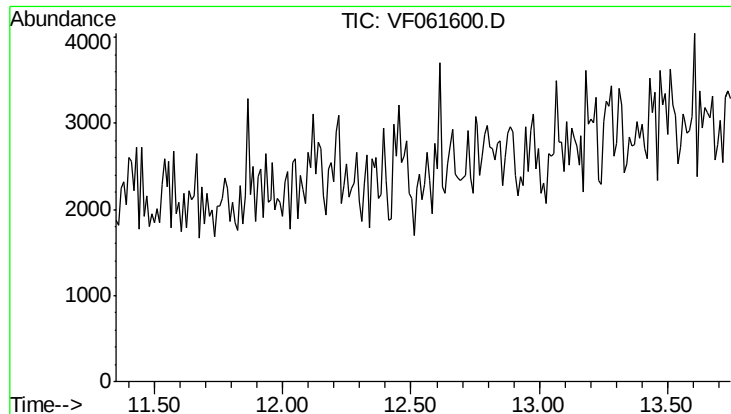
Tot Ion: 95
 Sig Exp Ratio
 95 100
 174 65.2
 176 63.1



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.76 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: VF061600.D
 Acq: 11 Feb 2019 21:58

Tgt Ion:117 Resp: 86
 Ion Ratio Lower Upper
 117 100
 82 0.0 46.4 69.6#
 119 0.0 27.2 40.8#





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 12.55 min
Lab File: VF061600.D
Acq: 11 Feb 2019 21:58

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	152
Sig	Exp Ratio
152	100
115	60.0
150	160.7

