

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
 Data File : VF061389.D
 Acq On : 14 Jan 2019 15:09
 Operator : VA/AP
 Sample : K1015-07
 Misc : 6.56g/5mL/MSVOA-F/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jan 14 21:41:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	1123	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	1358	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.76	117	943	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	314	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	126	10.08	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	20.16%	
35) Dibromofluoromethane	4.11	113	99	9.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.06%	
50) Toluene-d8	7.54	98	1847	60.07	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	120.14%	
62) 4-Bromofluorobenzene	11.41	95	213	15.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.72%	

Target Compounds					Qvalue
3) Chloromethane	1.11	50	130	7.043	ug/l # 7
5) Bromomethane	1.27	94	808	65.472	ug/l # 6
6) Chloroethane	1.38	64	81	10.061	ug/l # 45
8) Diethyl Ether	1.76	74	75	18.274	ug/l # 1
10) Methyl Iodide	1.71	142	63	2.725	ug/l # 32
12) 1,1-Dichloroethene	1.74	96	157	13.304	ug/l # 1
13) Acrolein	1.85	56	212	402.473	ug/l 89
14) Allyl chloride	2.10	41	624	28.929	ug/l # 68
15) Acrylonitrile	2.94	53	105	59.184	ug/l # 75
16) Acetone	2.26	43	741	254.838	ug/l 98
17) Carbon Disulfide	1.80	76	73	1.873	ug/l # 1
18) Methyl Acetate	2.36	43	1714	299.607	ug/l # 65
19) Methyl tert-butyl Ether	2.46	73	63	2.801	ug/l # 57
20) Methylene Chloride	2.15	84	191	15.527	ug/l # 1
21) trans-1,2-Dichloroethene	2.32	96	143	11.435	ug/l # 1
22) Diisopropyl ether	2.81	45	215	5.152	ug/l # 47
23) Vinyl Acetate	3.17	43	122	9.997	ug/l # 77
24) 1,1-Dichloroethane	2.87	63	66	2.734	ug/l # 87
25) 2-Butanone	4.31	43	759	162.181	ug/l # 56
27) cis-1,2-Dichloroethene	3.60	96	73	4.181	ug/l 1
29) Tetrahydrofuran	4.05	42	246	125.720	ug/l # 63
30) Chloroform	3.75	83	59	1.925	ug/l # 16
31) Cyclohexane	3.77	56	76	3.001	ug/l # 72
36) 1,1-Dichloropropene	4.22	75	65	4.099	ug/l # 42
37) Ethyl Acetate	4.10	43	175	30.303	ug/l # 1
39) Methylcyclohexane	5.33	83	59	2.973	ug/l # 15
40) Benzene	4.63	78	93	2.512	ug/l # 51
41) Methacrylonitrile	4.70	41	431	133.646	ug/l # 24
42) 1,2-Dichloroethane	4.80	62	65	5.639	ug/l 76
43) Isopropyl Acetate	6.94	43	94	12.329	ug/l # 45
48) Methyl methacrylate	6.66	41	97	19.600	ug/l # 21
51) 4-Methyl-2-Pentanone	8.22	43	500	86.884	ug/l # 38
56) Ethyl methacrylate	8.54	69	85	11.421	ug/l # 20
58) 2-Chloroethyl Vinyl ether	7.34	63	73	230.169	ug/l # 56

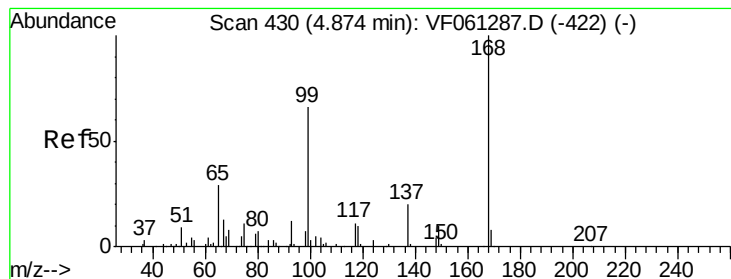
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 2-Hexanone	9.43	43	118	28.943	ug/l #	27
67) Ethyl Benzene	9.90	91	64	1.743	ug/l #	48
74) N-amyl acetate	11.41	43	356	56.680	ug/l #	21
75) 1,1,2,2-Tetrachloroethane	11.65	83	91	20.772	ug/l #	25
76) 1,2,3-Trichloropropane	11.74	75	76	23.653	ug/l #	40
78) n-propylbenzene	11.61	91	73	2.216	ug/l #	55
79) 2-Chlorotoluene	11.64	91	84	4.577	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.74	75	76	54.126	ug/l #	17
83) tert-Butylbenzene	12.14	119	80	3.652	ug/l #	29
95) Naphthalene	14.45	128	62	4.666	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

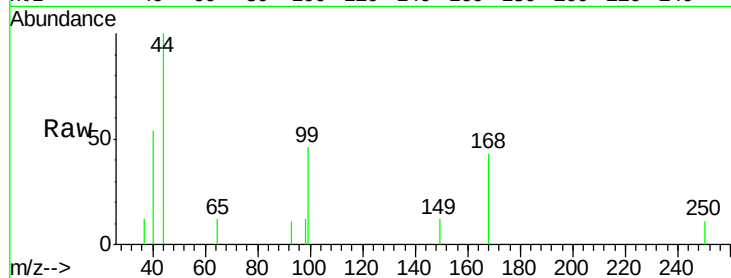
ClientSampleId :

Tot Ion:168 Resp: 1123

Ion Ratio Lower Upper

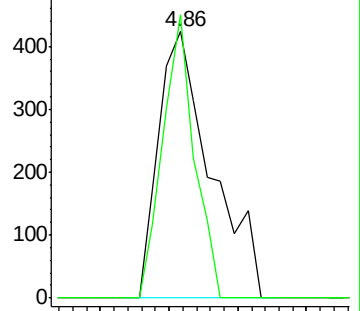
168 100

99 106.4 52.7 79.1#

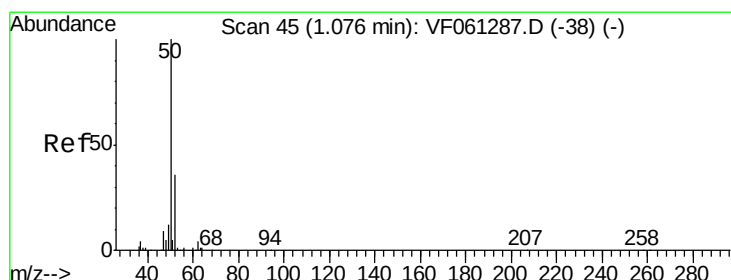
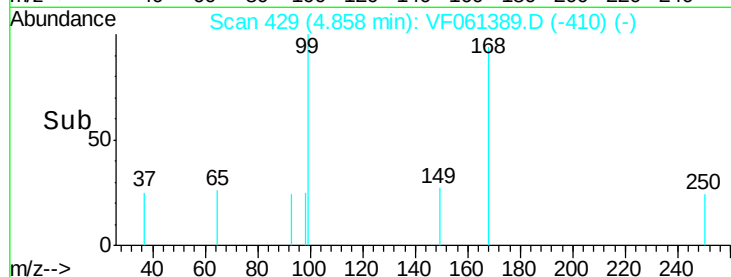


Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



Time-->



#3

Chloromethane

Concen: 7.043 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.03 min

Lab File: VF061389.D

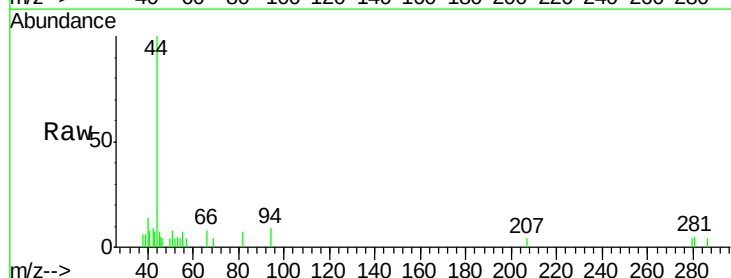
Acq: 14 Jan 2019 15:09

Tgt Ion: 50 Resp: 130

Ion Ratio Lower Upper

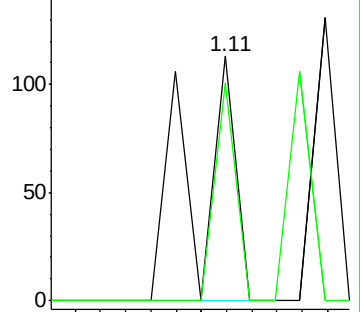
50 100

52 89.4 28.2 42.2#

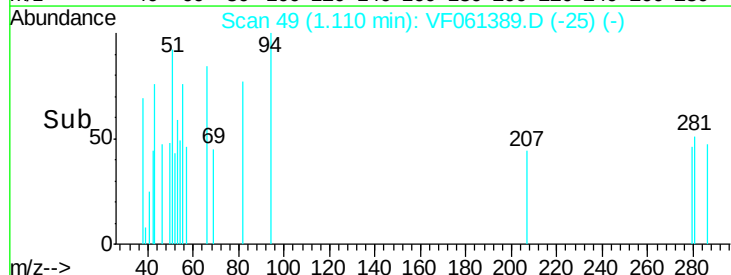


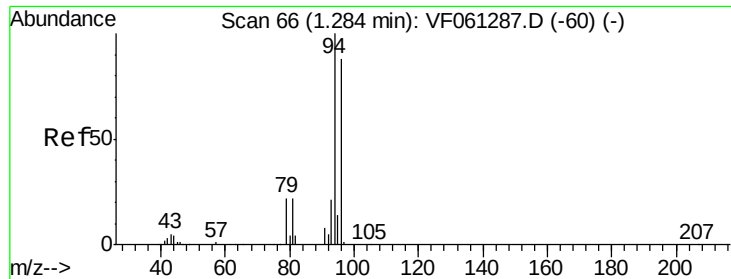
Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



Time-->





#5

Bromomethane

Concen: 65.472 ug/l

RT: 1.27 min Scan# 65

Delta R.T. -0.02 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

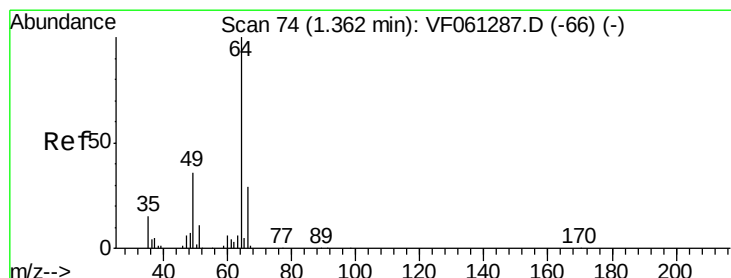
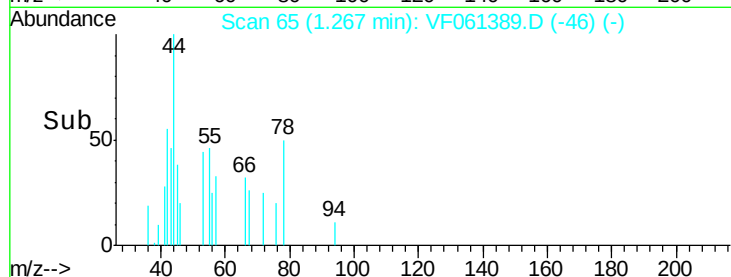
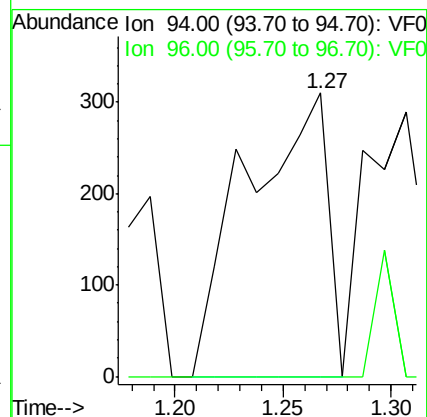
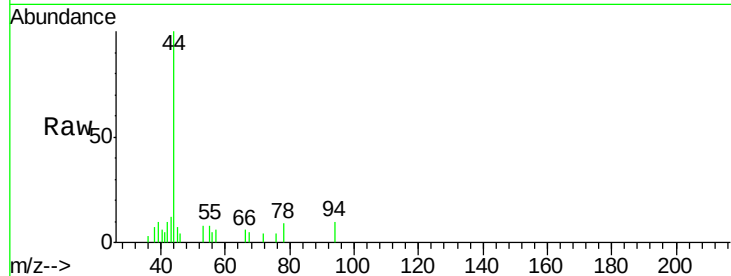
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 808

Ion Ratio Lower Upper

94 100

96 0.0 70.2 105.4#



#6

Chloroethane

Concen: 10.061 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.01 min

Lab File: VF061389.D

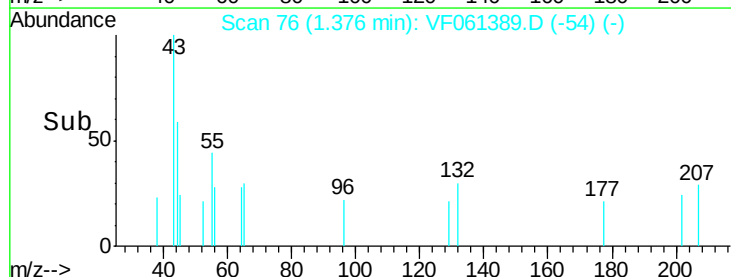
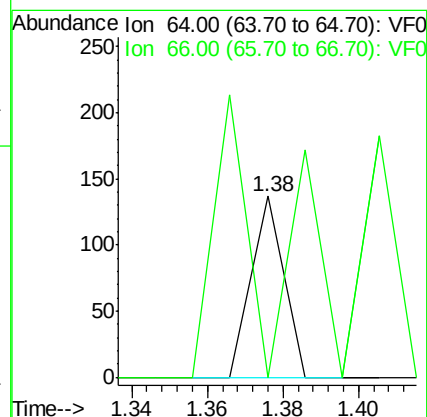
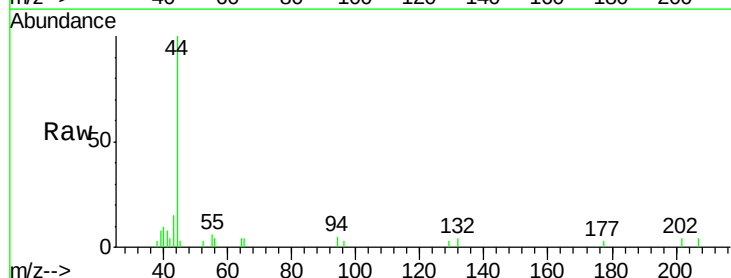
Acq: 14 Jan 2019 15:09

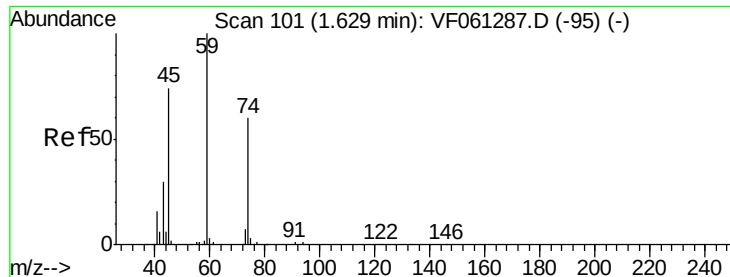
Tgt Ion: 64 Resp: 81

Ion Ratio Lower Upper

64 100

66 0.0 23.4 35.0#

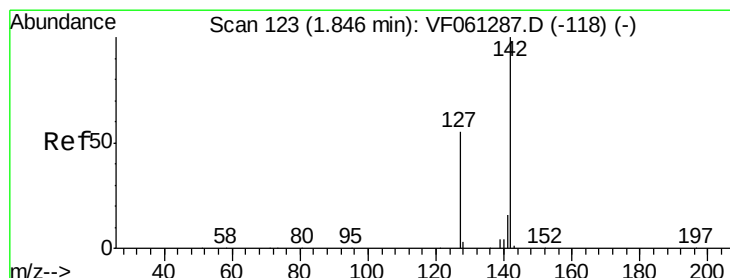
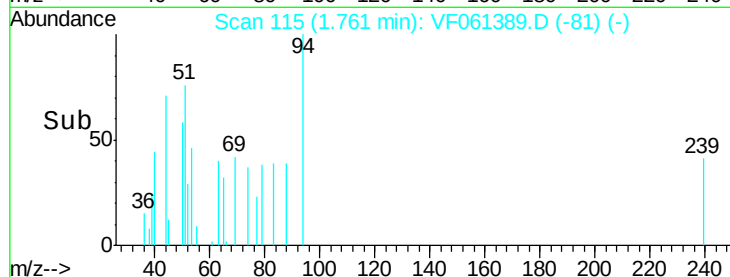
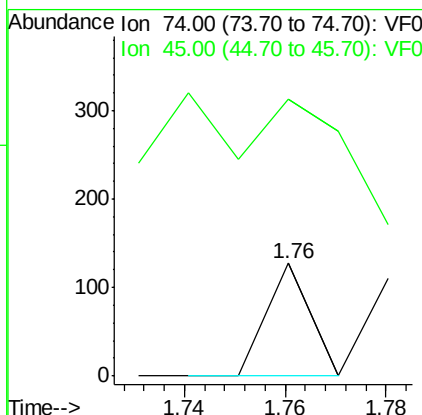
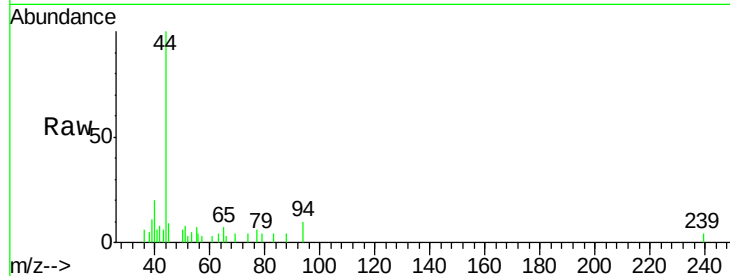




#8
Diethyl Ether
Concen: 18.274 ug/l
RT: 1.76 min Scan# 115
Delta R.T. 0.13 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

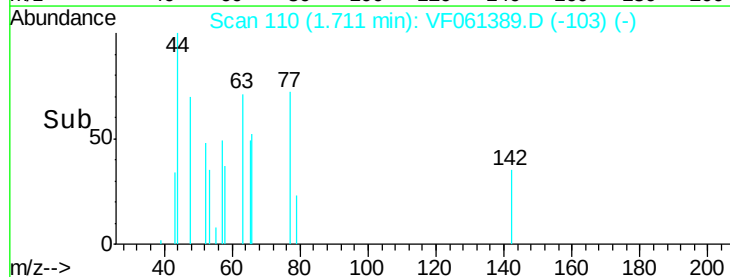
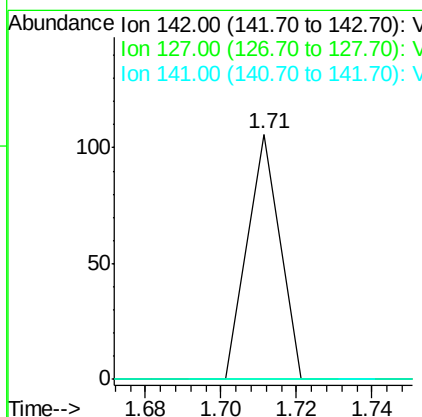
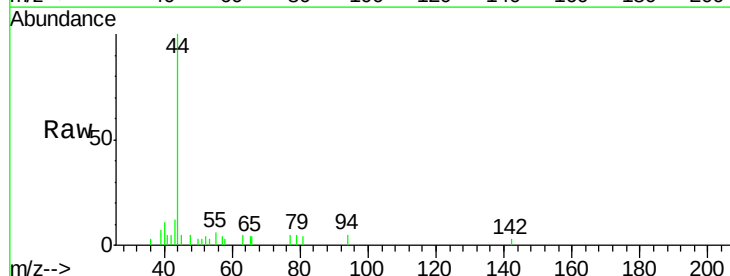
Instrument :
MSVOA_F
ClientSampled :

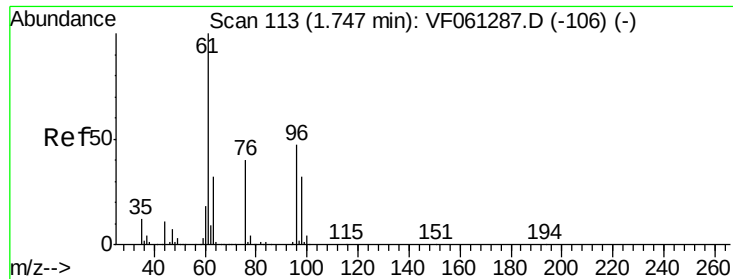
Tot Ion: 74 Resp: 75
Ion Ratio Lower Upper
74 100
45 246.5 62.1 186.3#



#10
Methyl Iodide
Concen: 2.725 ug/l
RT: 1.71 min Scan# 110
Delta R.T. -0.13 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

Tgt Ion: 142 Resp: 63
Ion Ratio Lower Upper
142 100
127 0.0 44.3 66.5#
141 0.0 13.2 19.8#

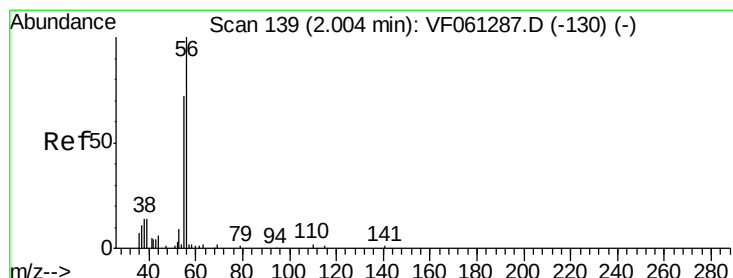
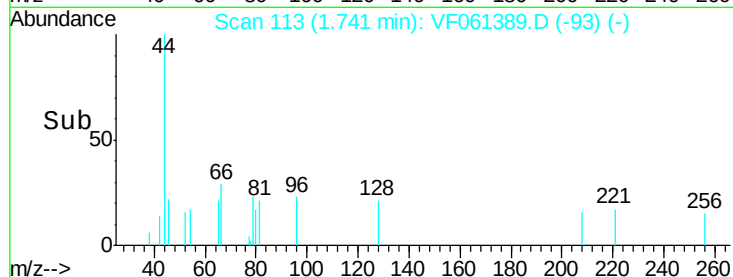
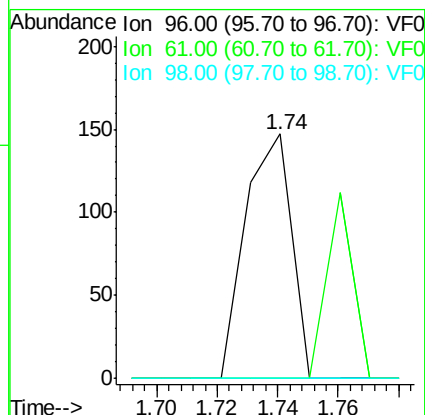
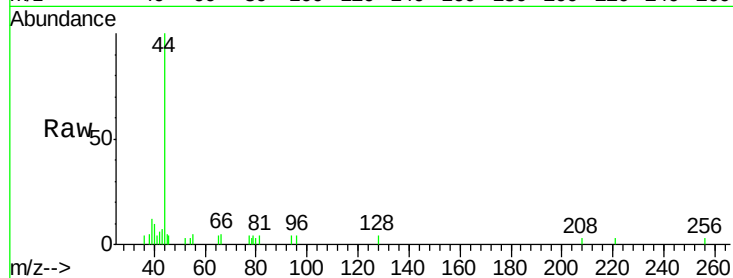




#12
 1,1-Dichloroethene
 Concen: 13.304 ug/l
 RT: 1.74 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VF061389.D
 Acq: 14 Jan 2019 15:09

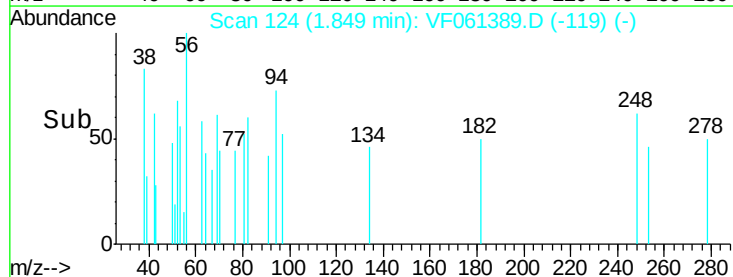
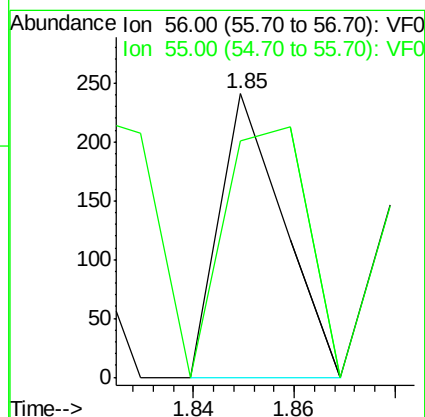
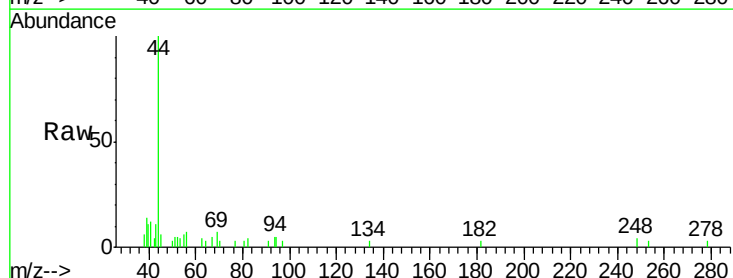
Instrument :
 MSVOA_F
 ClientSampleId :

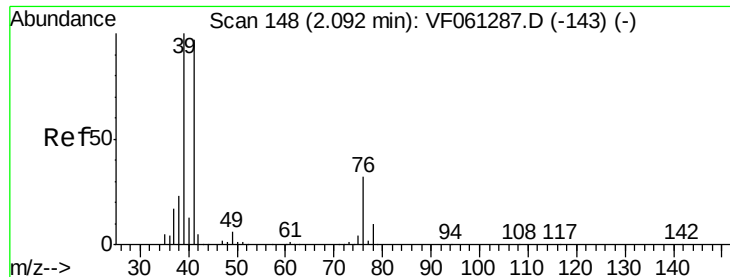
Tot Ion: 96 Resp: 157
 Ion Ratio Lower Upper
 96 100
 61 0.0 171.8 257.8#
 98 0.0 54.2 81.4#



#13
 Acrolein
 Concen: 402.473 ug/l
 RT: 1.85 min Scan# 124
 Delta R.T. -0.15 min
 Lab File: VF061389.D
 Acq: 14 Jan 2019 15:09

Tgt Ion: 56 Resp: 212
 Ion Ratio Lower Upper
 56 100
 55 83.4 59.4 89.0

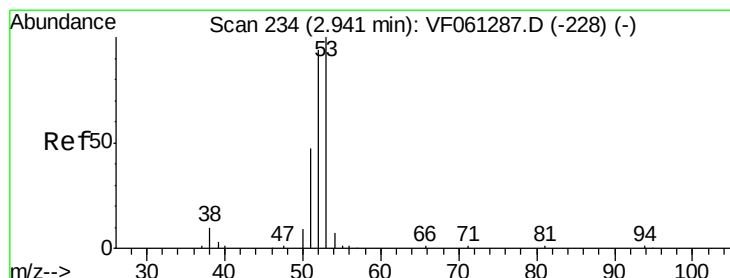
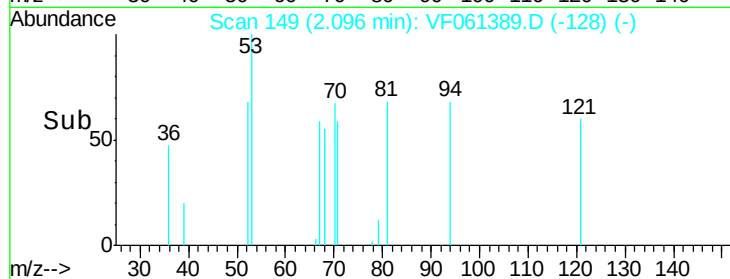
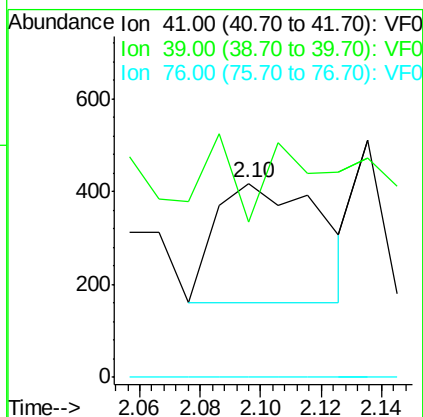
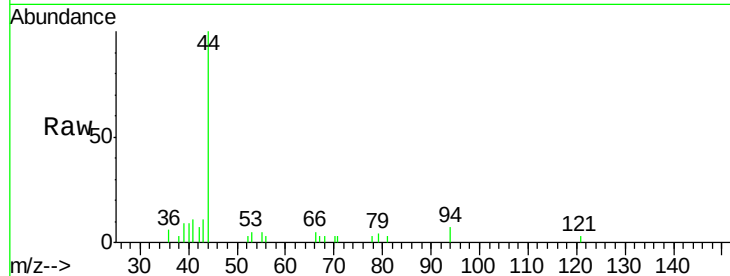




#14
Allvl chloride
Concen: 28.929 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.00 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

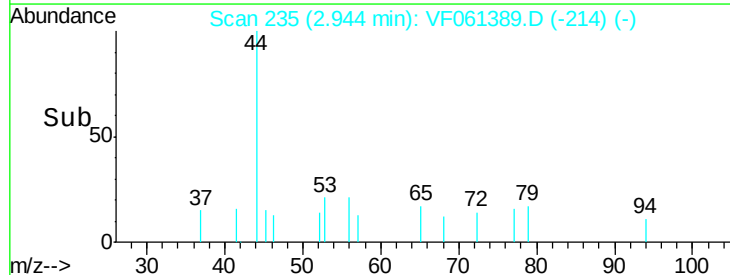
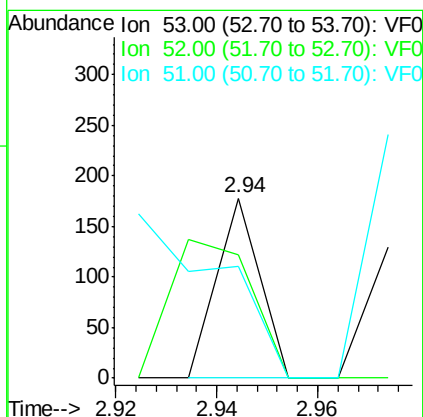
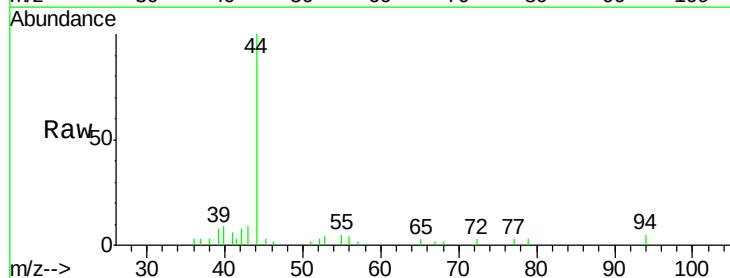
Instrument :
MSVOA_F
ClientSampleId :

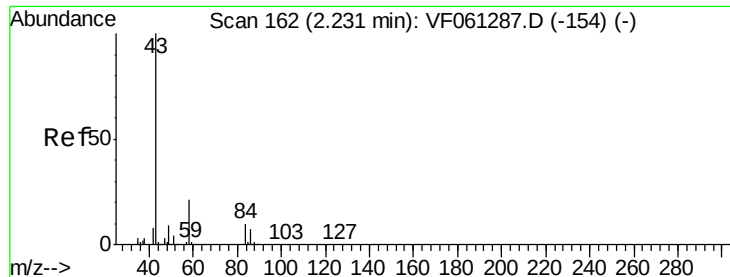
Tot Ion: 41 Resp: 624
Ion Ratio Lower Upper
41 100
39 80.1 82.6 123.8#
76 0.0 26.9 40.3#



#15
Acrylonitrile
Concen: 59.184 ug/l
RT: 2.94 min Scan# 235
Delta R.T. 0.00 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

Tgt Ion: 53 Resp: 105
Ion Ratio Lower Upper
53 100
52 68.5 74.6 111.8#
51 62.4 37.8 56.6#

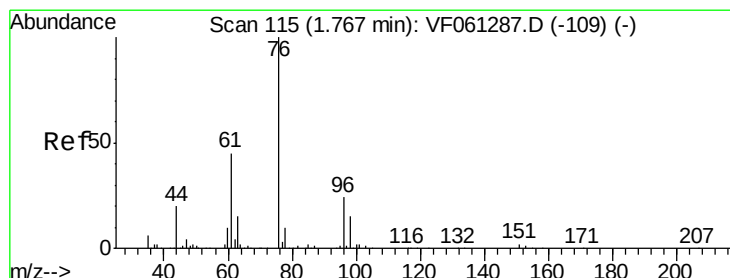
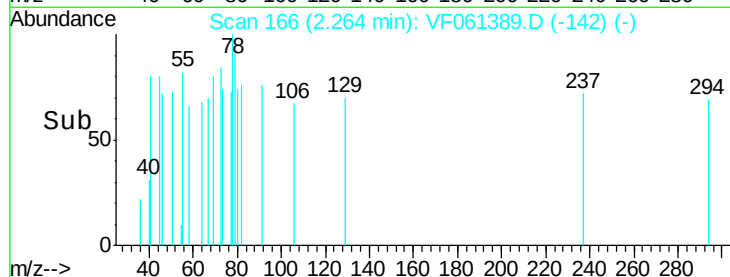
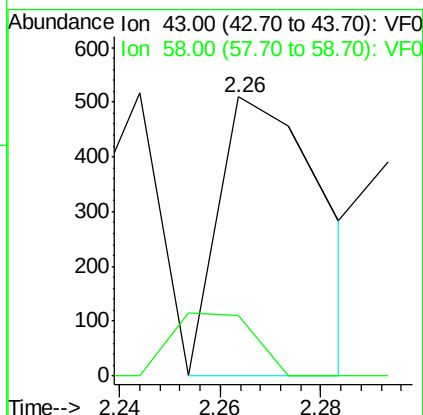
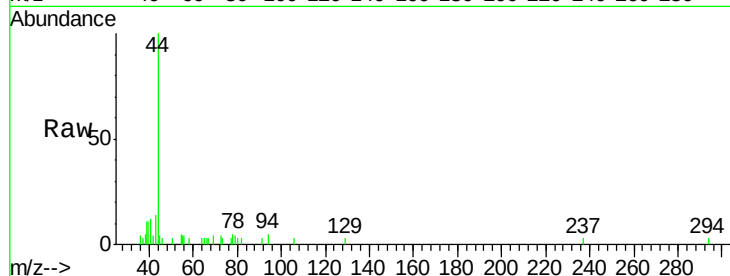




#16
Acetone
Concen: 254.838 ug/l
RT: 2.26 min Scan# 166
Delta R.T. 0.03 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

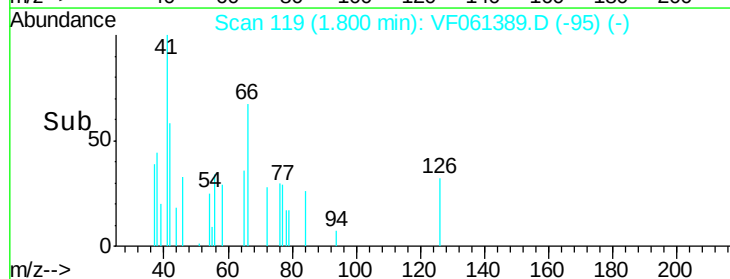
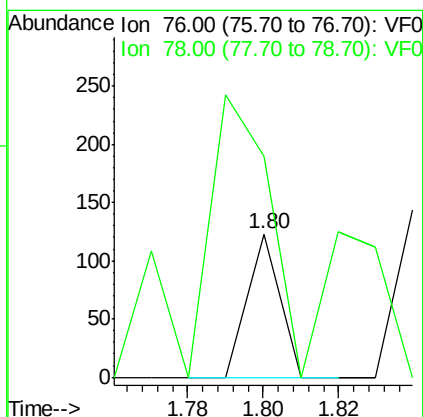
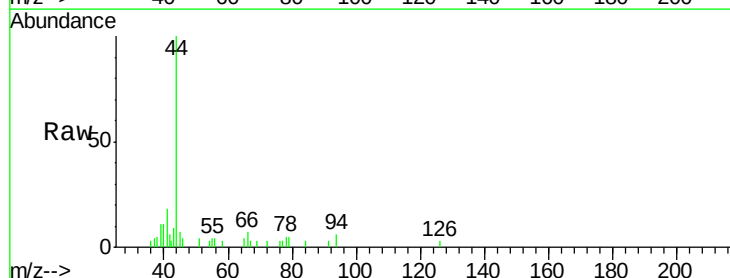
Instrument :
MSVOA_F
ClientSampleId :

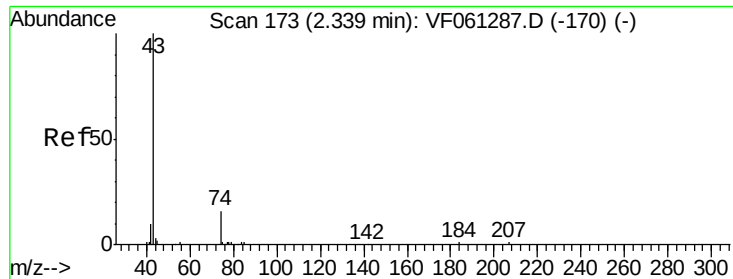
Tot Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
58 21.8 16.6 25.0



#17
Carbon Disulfide
Concen: 1.873 ug/l
RT: 1.80 min Scan# 119
Delta R.T. 0.03 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

Tgt Ion: 76 Resp: 73
Ion Ratio Lower Upper
76 100
78 154.5 7.8 11.6#

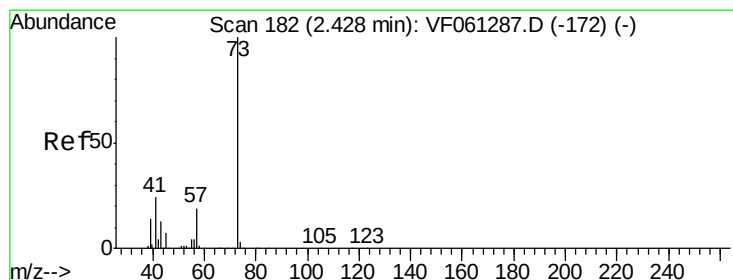
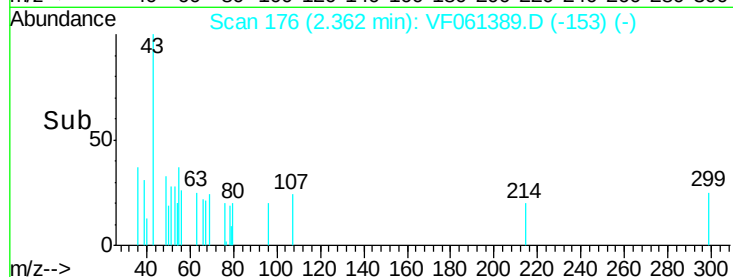
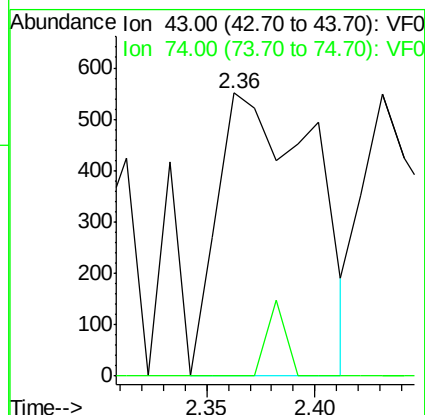
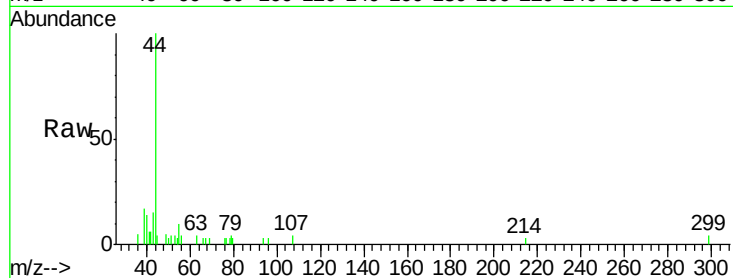




#18
Methyl Acetate
Concen: 299.607 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.02 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

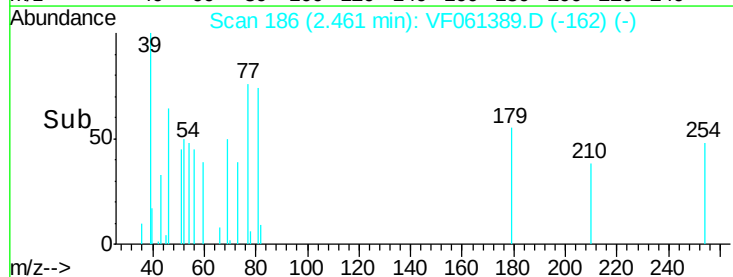
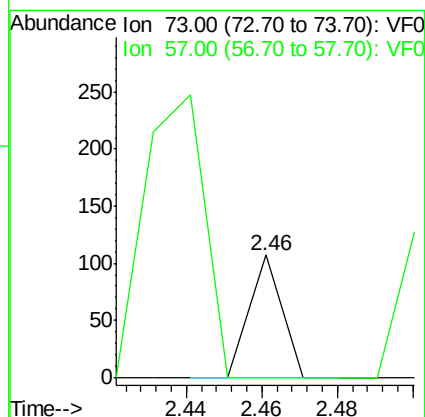
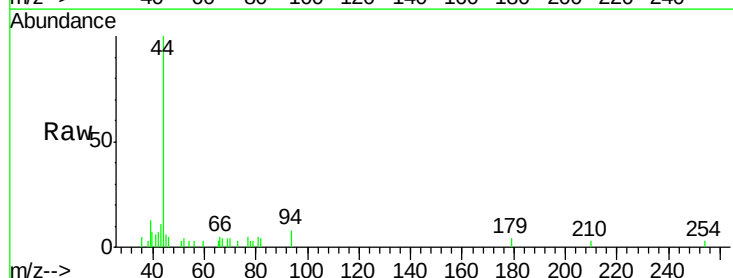
Instrument :
MSVOA_F
ClientSampleId :

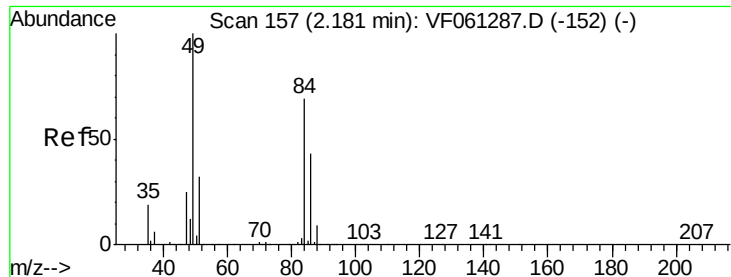
Tot Ion: 43 Resp: 1714
Ion Ratio Lower Upper
43 100
74 0.0 11.6 17.4#



#19
Methyl tert-butyl Ether
Concen: 2.801 ug/l
RT: 2.46 min Scan# 186
Delta R.T. 0.03 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

Tgt Ion: 73 Resp: 63
Ion Ratio Lower Upper
73 100
57 0.0 15.5 23.3#





#20

Methylene Chloride

Concen: 15.527 ug/l

RT: 2.15 min Scan# 154

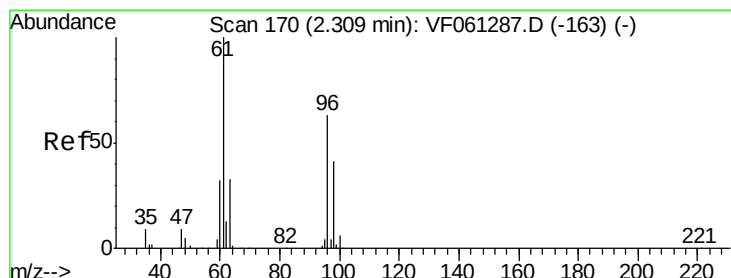
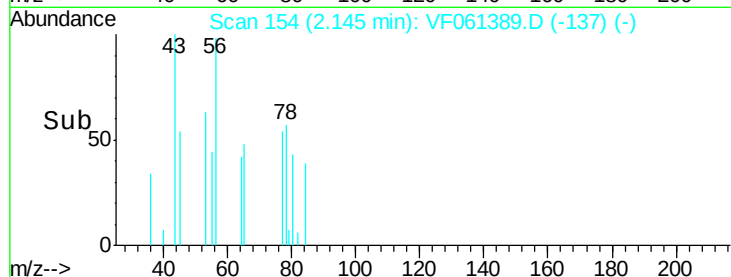
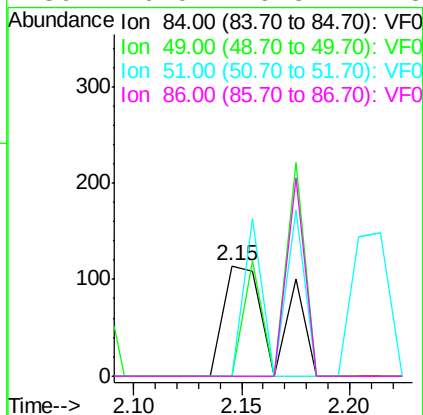
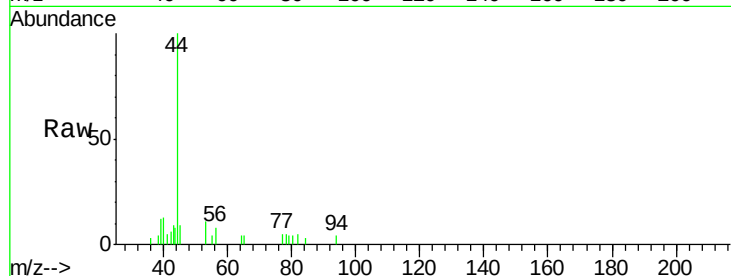
Delta R.T. -0.04 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	84	Resp:	191
Ion	Ratio	Lower	Upper
84	100		
49	0.0	116.6	175.0#
51	0.0	37.7	56.5#
86	0.0	49.8	74.8#



#21

trans-1,2-Dichloroethene

Concen: 11.435 ug/l

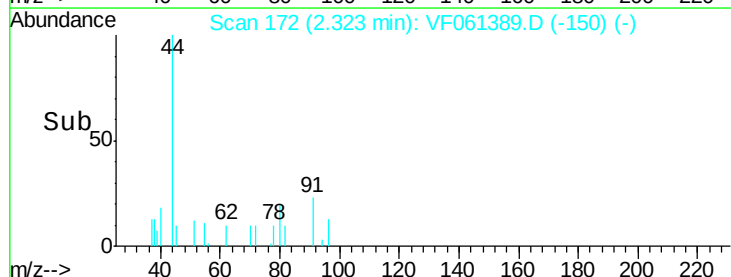
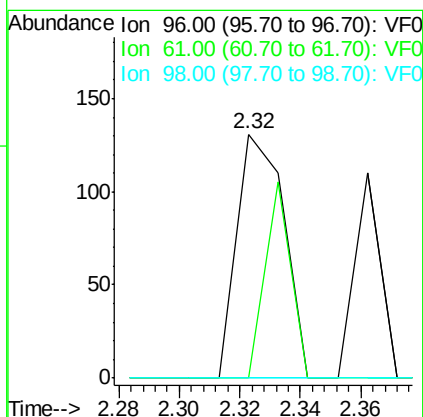
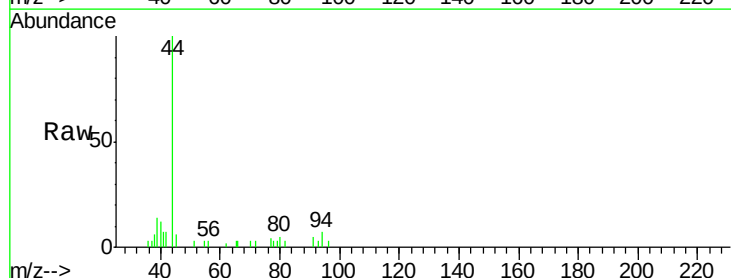
RT: 2.32 min Scan# 172

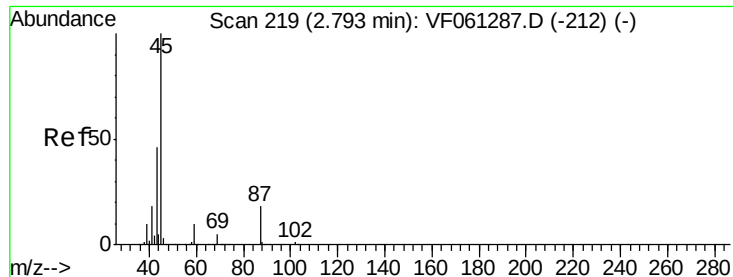
Delta R.T. 0.01 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Tgt Ion:	96	Resp:	143
Ion	Ratio	Lower	Upper
96	100		
61	0.0	127.0	190.4#
98	0.0	51.7	77.5#

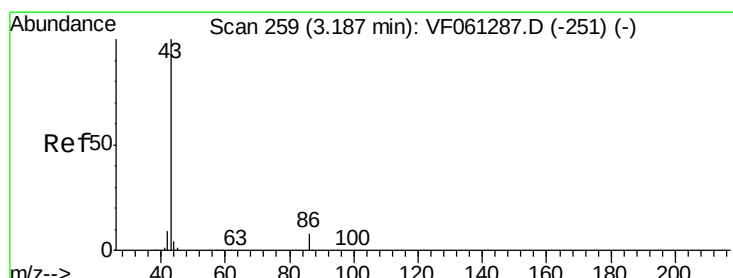
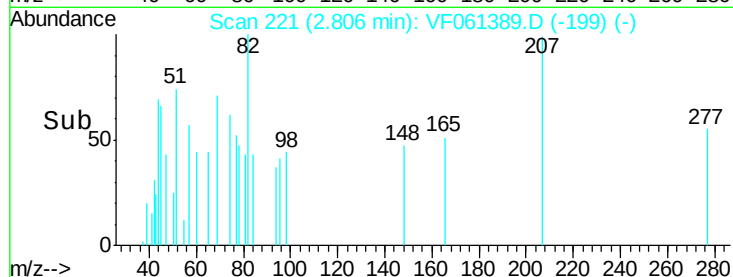
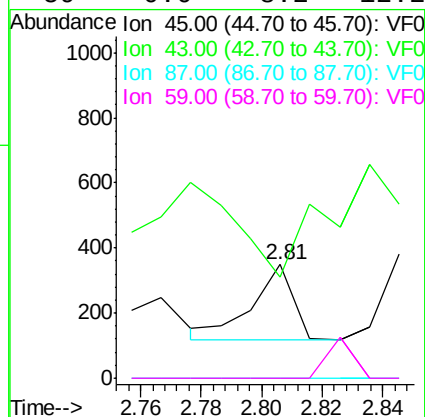
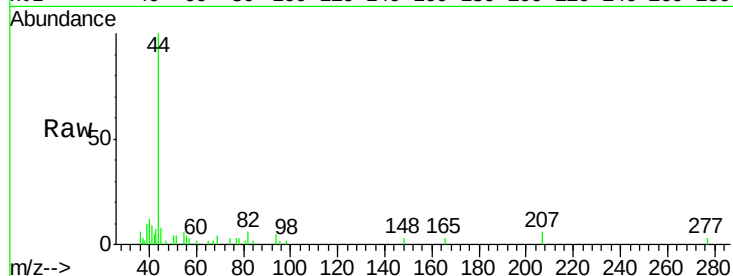




#22
Diisopropyl ether
Concen: 5.152 ug/l
RT: 2.81 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

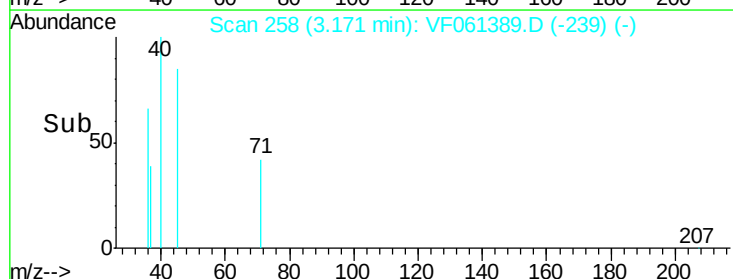
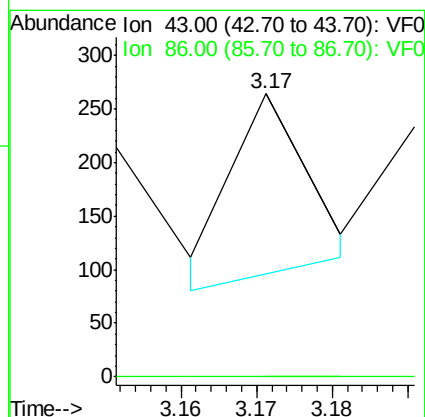
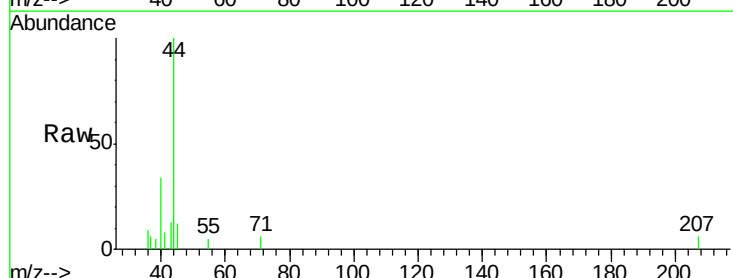
Instrument :
MSVOA_F
ClientSampleId :

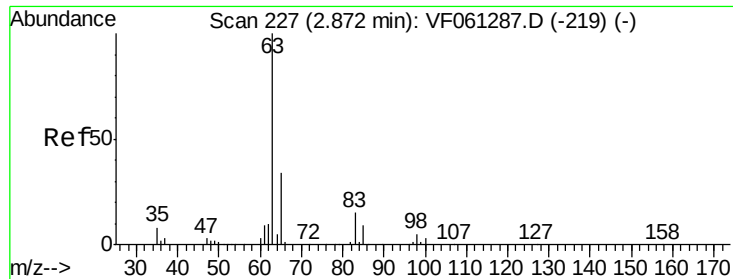
Tot Ion:	45	Resp:	215
Ion	Ratio	Lower	Upper
45	100		
43	89.1	37.4	56.2#
87	0.0	14.2	21.2#
59	0.0	8.2	12.2#



#23
Vinyl Acetate
Concen: 9.997 ug/l
RT: 3.17 min Scan# 258
Delta R.T. -0.02 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

Tgt Ion:	43	Resp:	122
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.5	9.7#





#24

1,1-Dichloroethane

Concen: 2.734 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.01 min

Lab File: VF061389.D

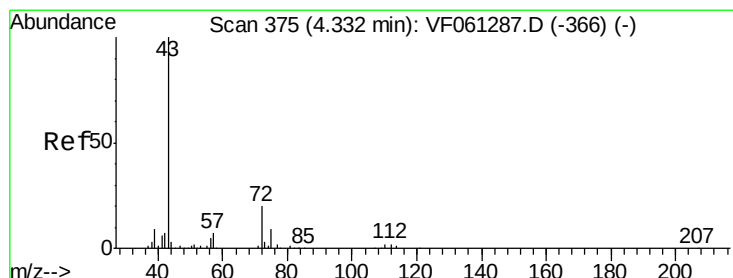
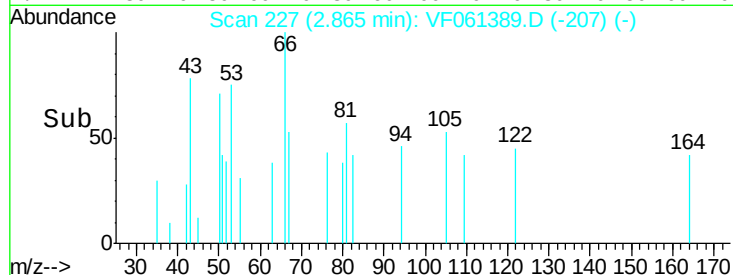
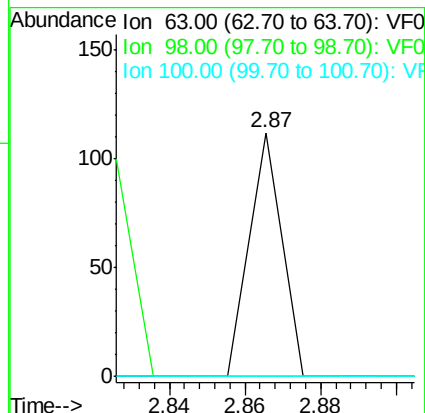
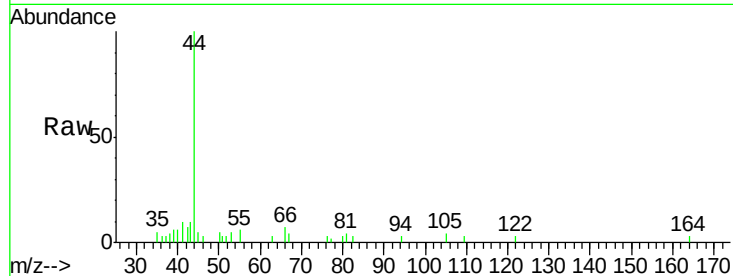
Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	63	Resp:	66
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.5	7.6#
100	0.0	1.7	5.0#



#25

2-Butanone

Concen: 162.181 ug/l

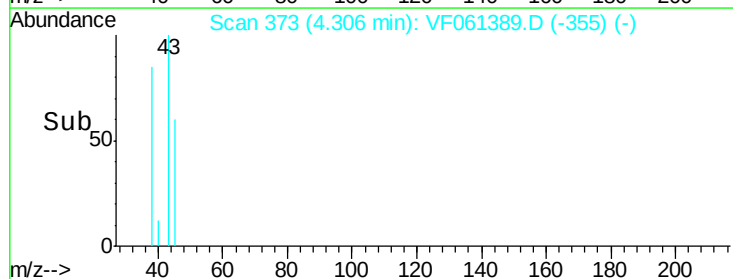
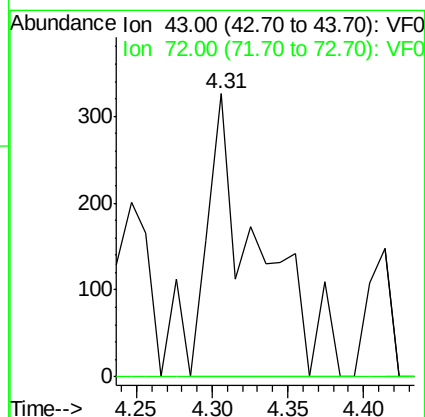
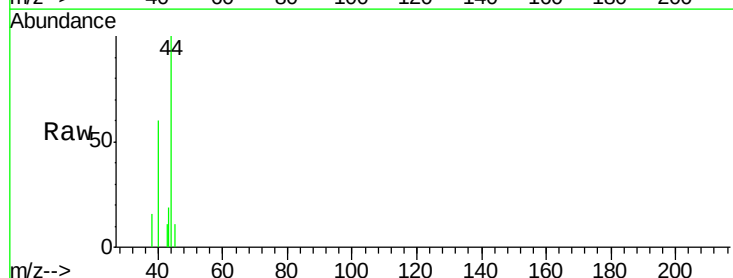
RT: 4.31 min Scan# 373

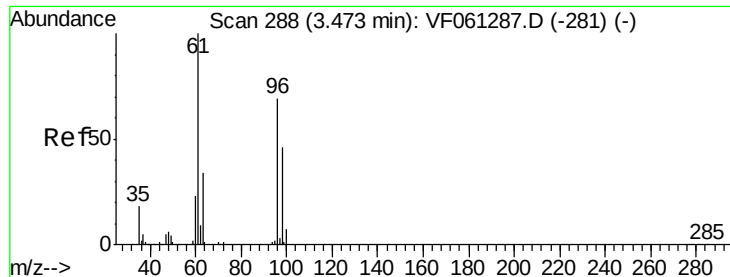
Delta R.T. -0.03 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Tgt Ion:	43	Resp:	759
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.5	24.7#



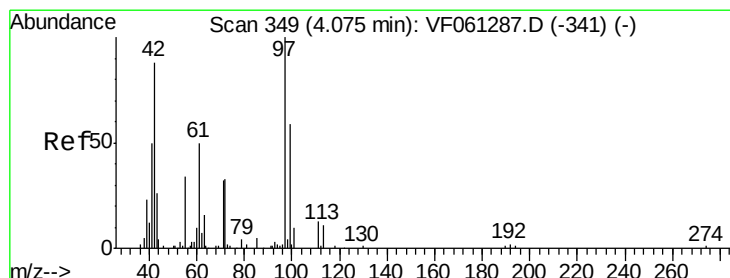
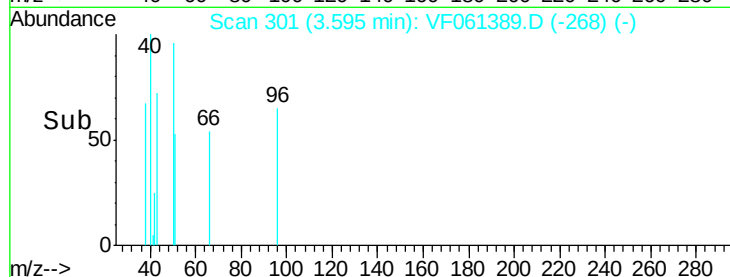
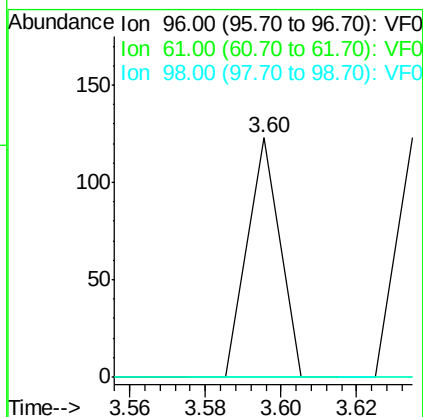
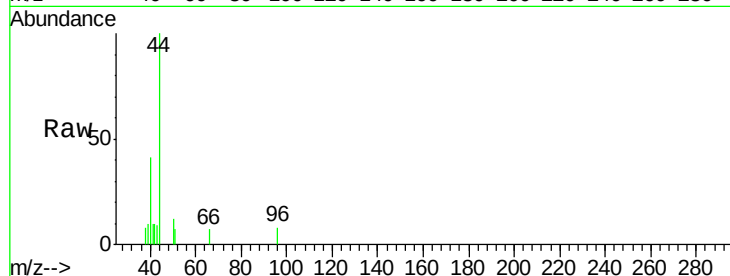


#27

cis-1,2-Dichloroethene
 Concen: 4.181 ug/l
 RT: 3.60 min Scan# 301
 Delta R.T. 0.12 min
 Lab File: VF061389.D
 Acq: 14 Jan 2019 15:09

Instrument :
 MSVOA_F
 ClientSampleId :

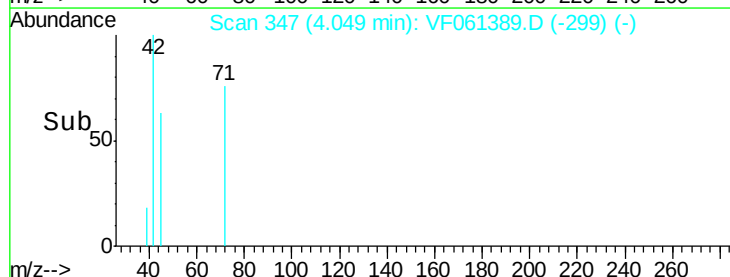
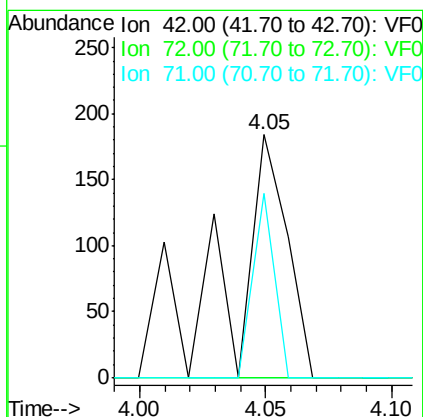
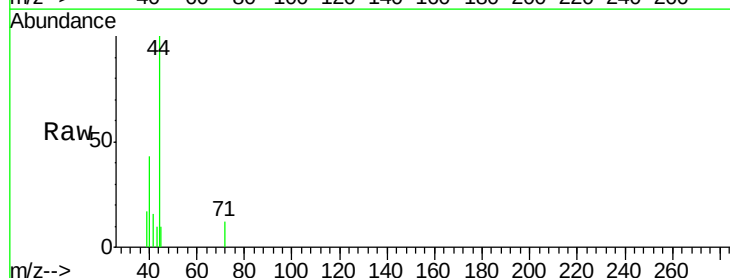
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	288.2
98	0.0	0.0	132.2

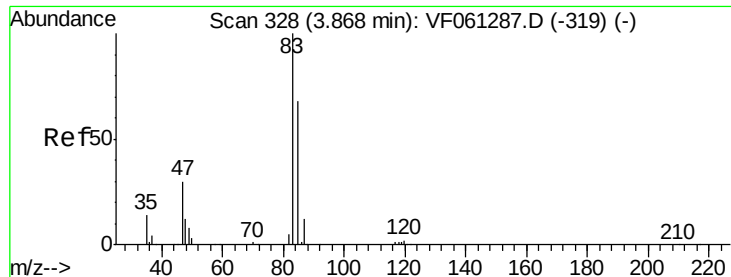


#29

Tetrahydrofuran
 Concen: 125.720 ug/l
 RT: 4.05 min Scan# 347
 Delta R.T. -0.03 min
 Lab File: VF061389.D
 Acq: 14 Jan 2019 15:09

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.3	48.5#
71	33.7	29.5	44.3

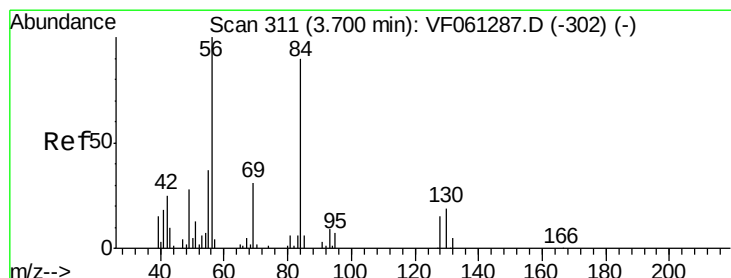
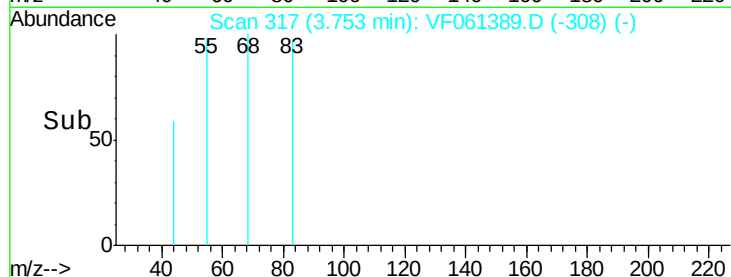
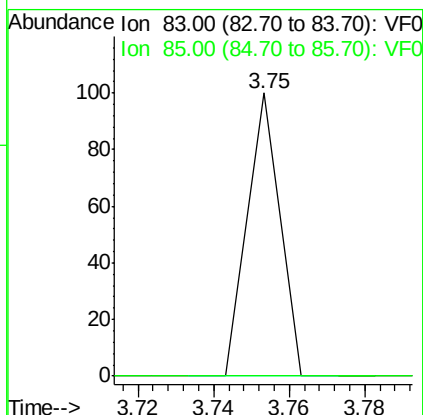
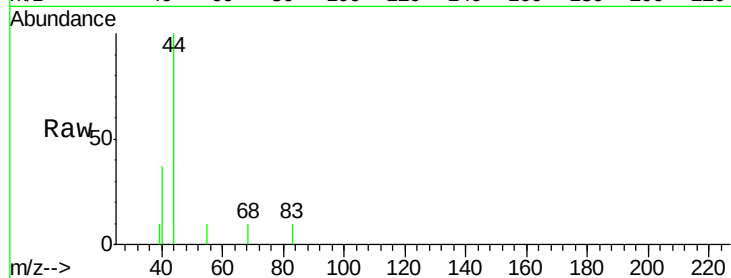




#30
Chloroform
Concen: 1.925 ug/l
RT: 3.75 min Scan# 317
Delta R.T. -0.11 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

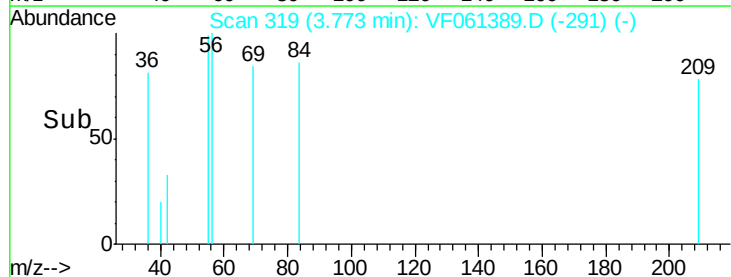
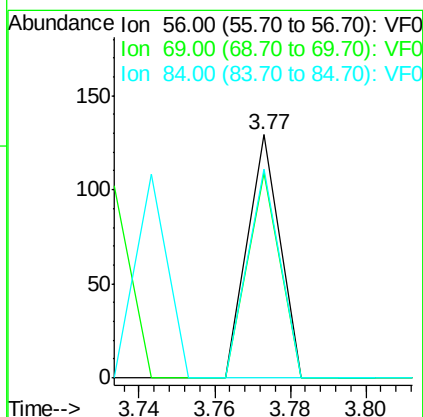
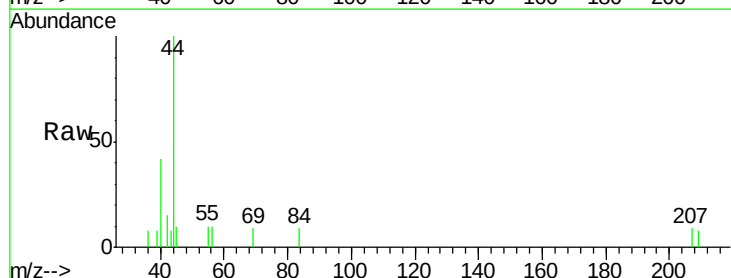
Instrument :
MSVOA_F
ClientSampled :

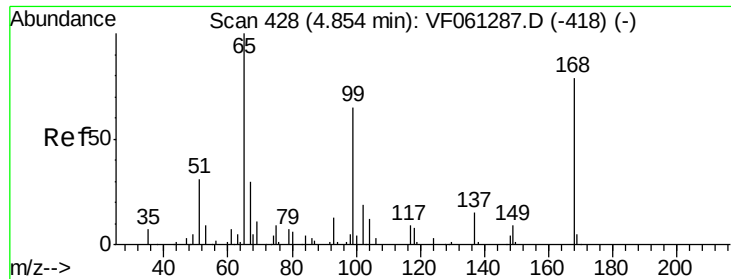
Tot Ion: 83 Resp: 59
Ion Ratio Lower Upper
83 100
85 0.0 54.4 81.6#



#31
Cyclohexane
Concen: 3.001 ug/l
RT: 3.77 min Scan# 319
Delta R.T. 0.07 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

Tgt Ion: 56 Resp: 76
Ion Ratio Lower Upper
56 100
69 84.5 24.7 37.1#
84 86.0 72.2 108.4

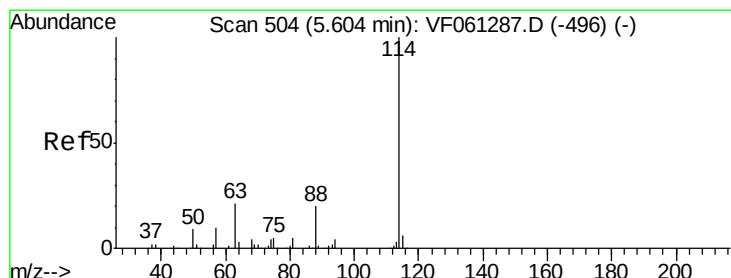
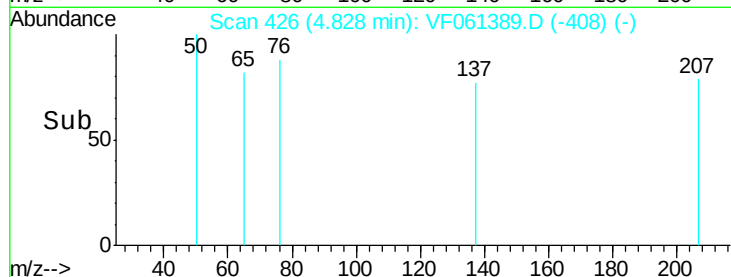
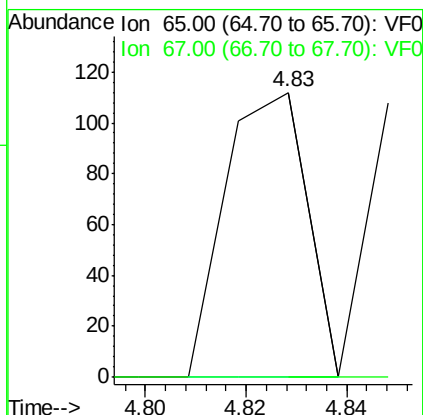
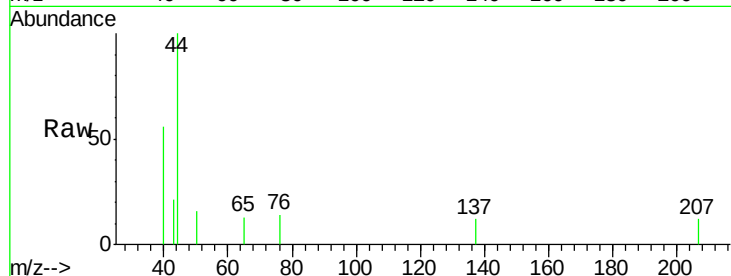




#33
 1,2-Dichloroethane-d4
 Concen: 10.080 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.03 min
 Lab File: VF061389.D
 Acq: 14 Jan 2019 15:09

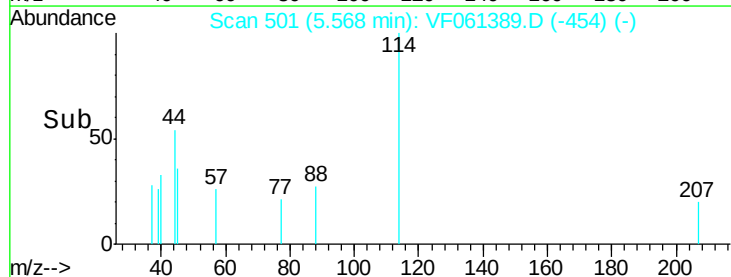
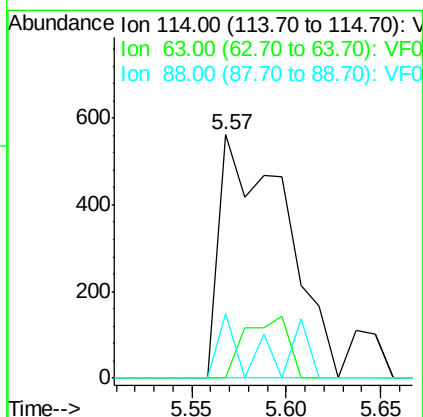
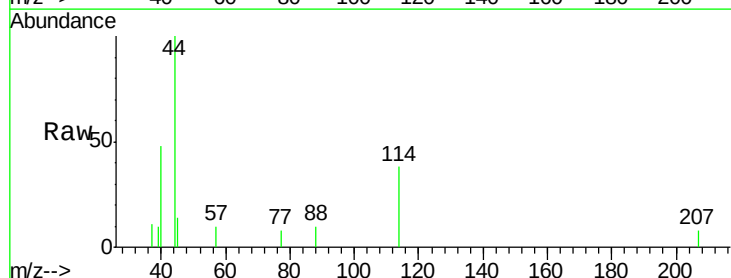
Instrument :
 MSVOA_F
 ClientSampleId :

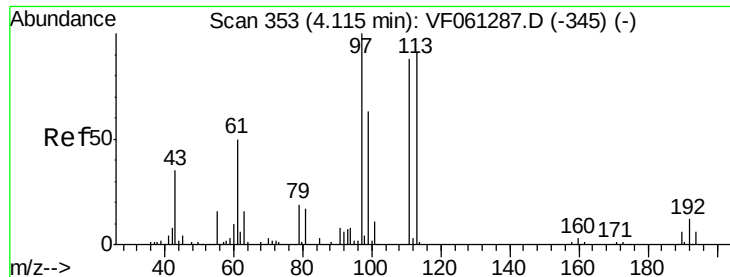
Tot Ion: 65 Resp: 126
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.04 min
 Lab File: VF061389.D
 Acq: 14 Jan 2019 15:09

Tgt Ion: 114 Resp: 1358
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 42.8
 88 26.5 0.0 40.0





#35

Dibromofluoromethane

Concen: 9.528 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

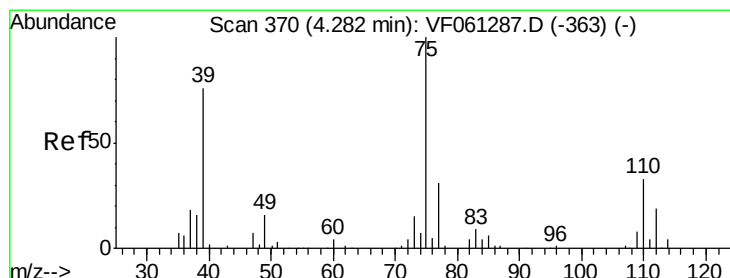
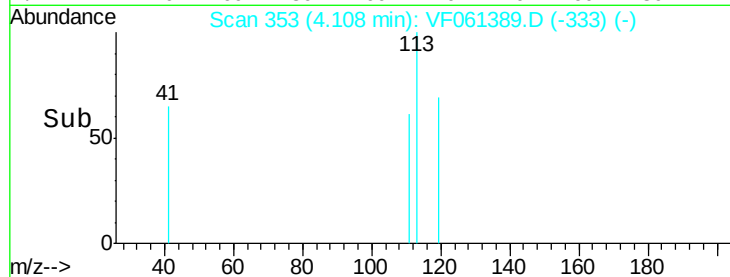
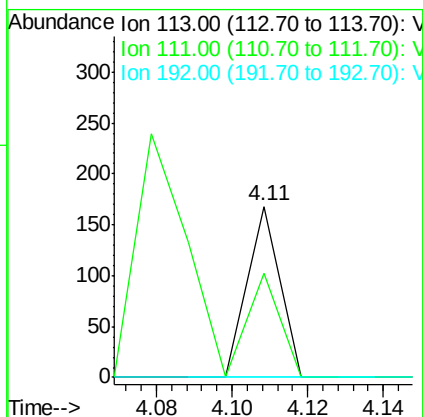
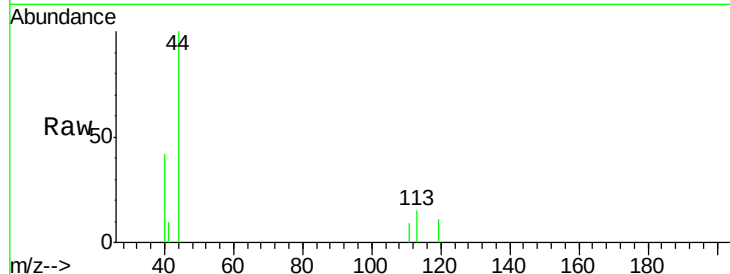
Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:113 Resp: 99

Ion	Ratio	Lower	Upper
113	100		
111	60.7	78.0	117.0#
192	0.0	10.6	16.0#



#36

1,1-Dichloropropene

Concen: 4.099 ug/l

RT: 4.22 min Scan# 364

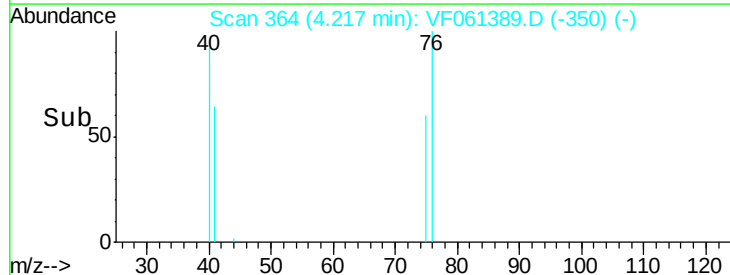
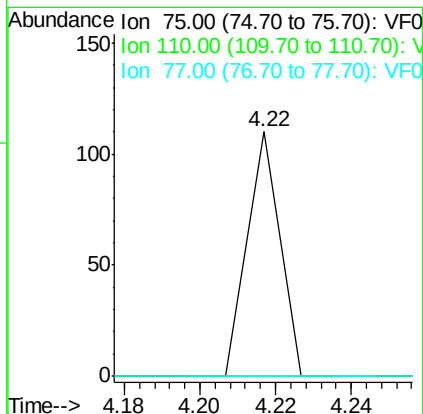
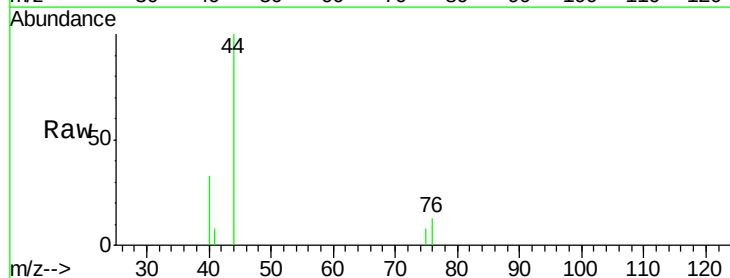
Delta R.T. -0.07 min

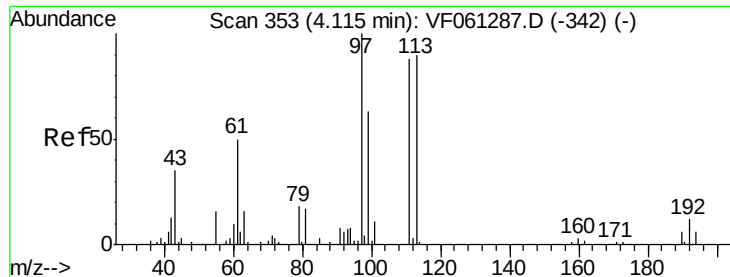
Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Tgt Ion: 75 Resp: 65

Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.6	49.8#
77	0.0	25.1	37.7#

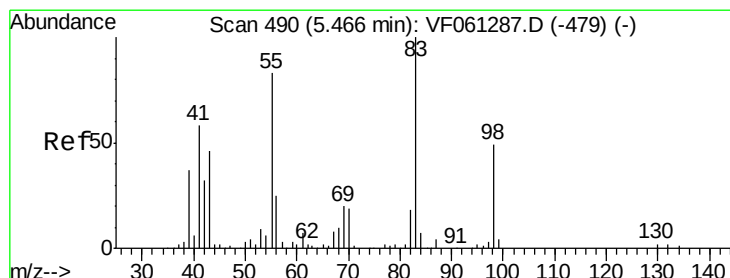
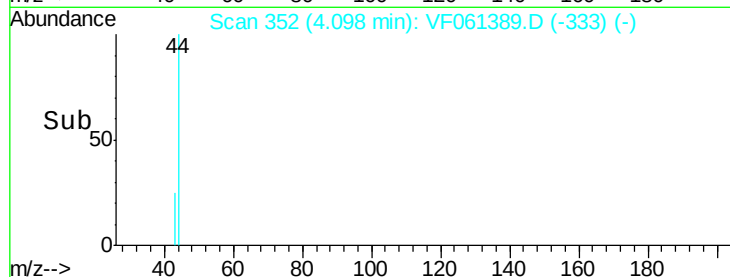
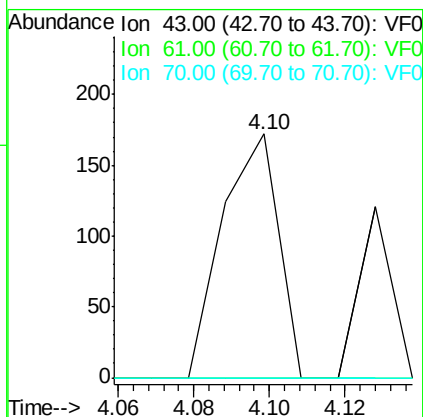
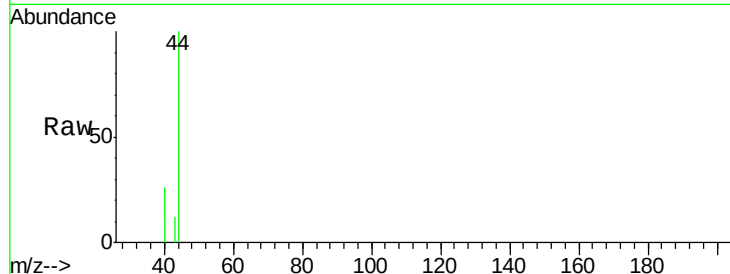




#37
Ethyl Acetate
Concen: 30.303 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.02 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

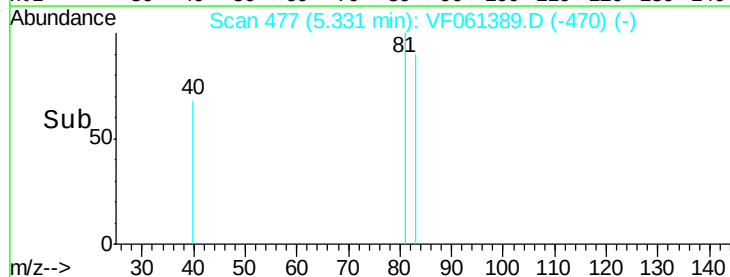
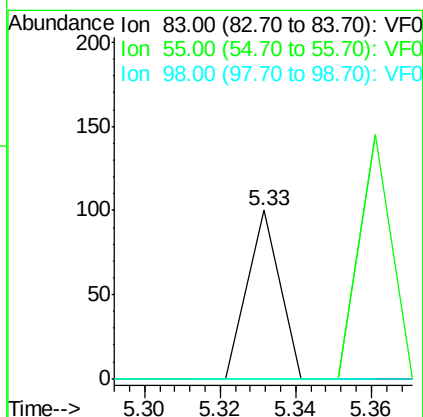
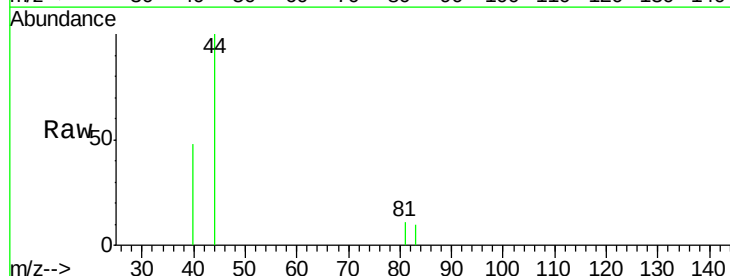
Instrument :
MSVOA_F
ClientSampleId :

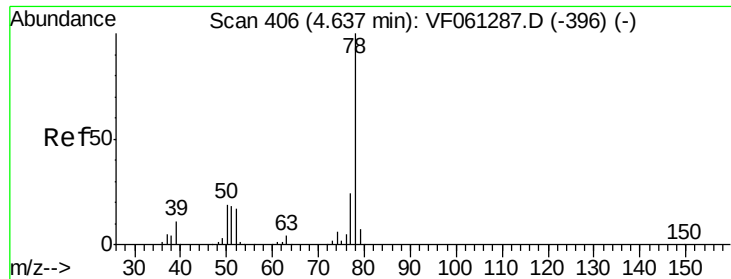
Tot Ion: 43 Resp: 175
Ion Ratio Lower Upper
43 100
61 0.0 113.3 169.9#
70 0.0 9.4 14.0#



#39
Methylcyclohexane
Concen: 2.973 ug/l
RT: 5.33 min Scan# 477
Delta R.T. -0.13 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

Tgt Ion: 83 Resp: 59
Ion Ratio Lower Upper
83 100
55 0.0 66.4 99.6#
98 0.0 39.1 58.7#

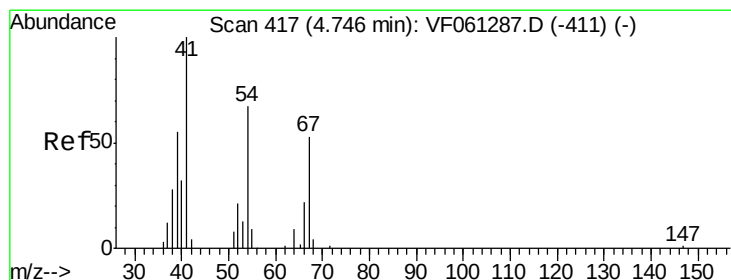
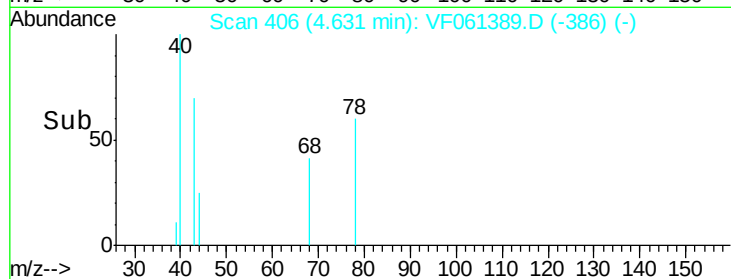
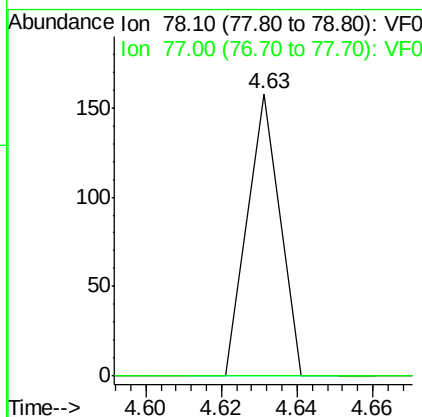
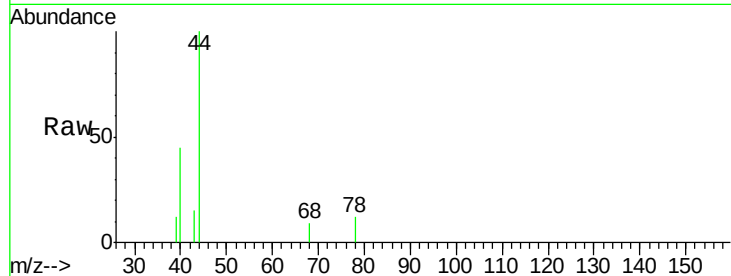




#40
Benzene
Concen: 2.512 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

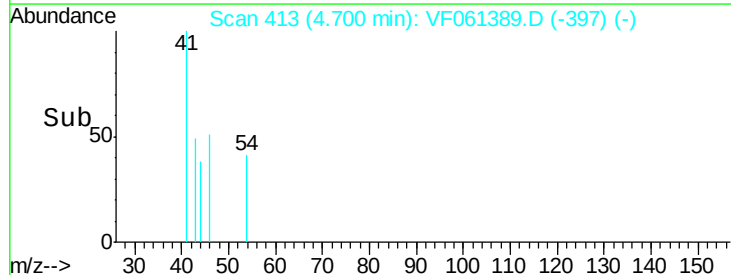
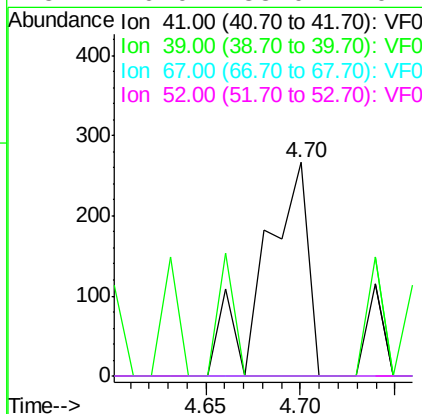
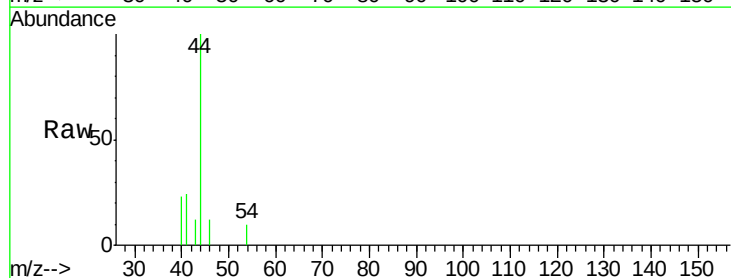
Instrument :
MSVOA_F
ClientSampleId :

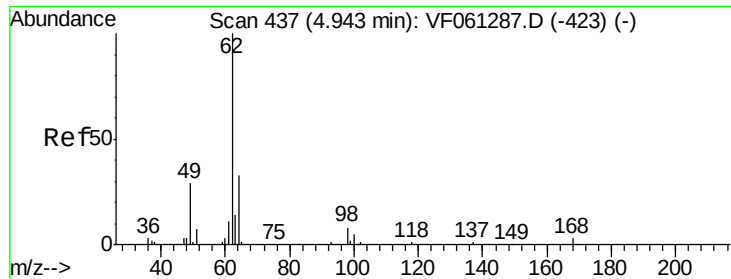
Tot Ion: 78 Resp: 93
Ion Ratio Lower Upper
78 100
77 0.0 19.1 28.7#



#41
Methacrylonitrile
Concen: 133.646 ug/l
RT: 4.70 min Scan# 413
Delta R.T. -0.05 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

Tgt Ion: 41 Resp: 431
Ion Ratio Lower Upper
41 100
39 0.0 52.7 79.1#
67 0.0 41.4 62.2#
52 0.0 33.0 49.4#

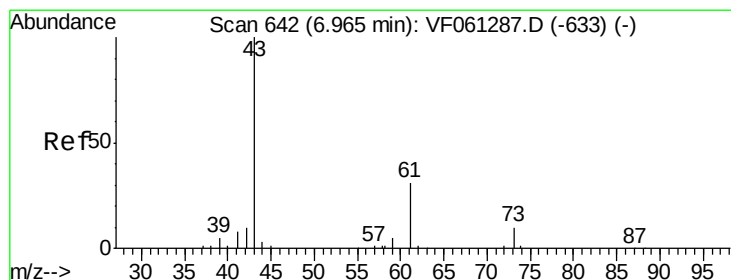
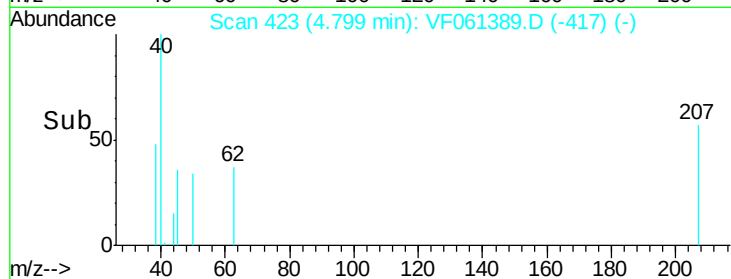
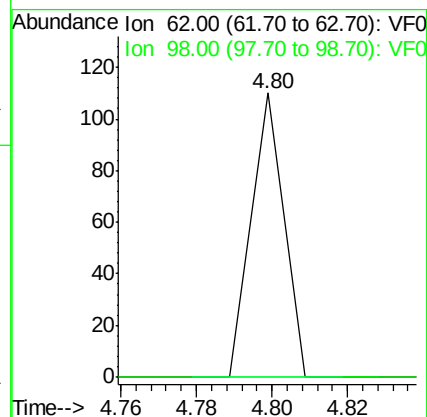
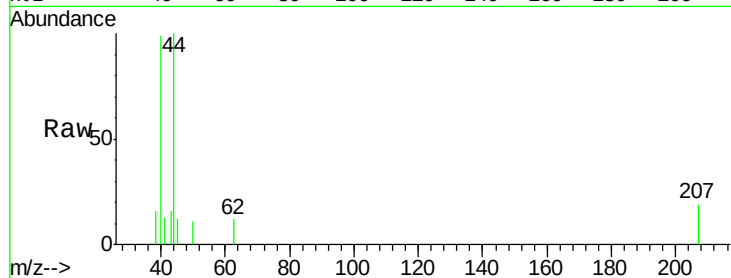




#42
 1,2-Dichloroethane
 Concen: 5.639 ug/l
 RT: 4.80 min Scan# 423
 Delta R.T. -0.14 min
 Lab File: VF061389.D
 Acq: 14 Jan 2019 15:09

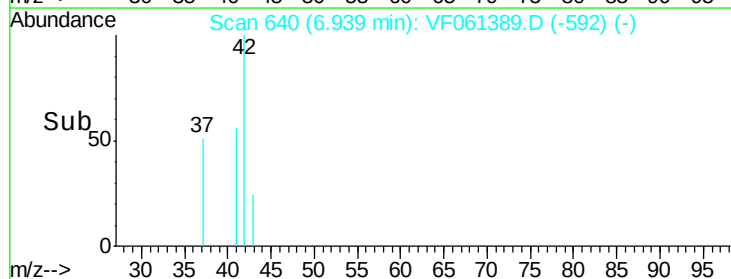
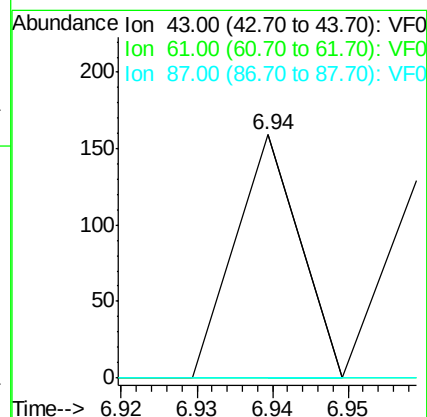
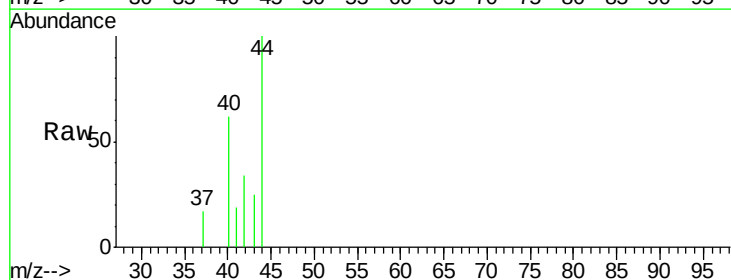
Instrument :
 MSVOA_F
 ClientSampleId :

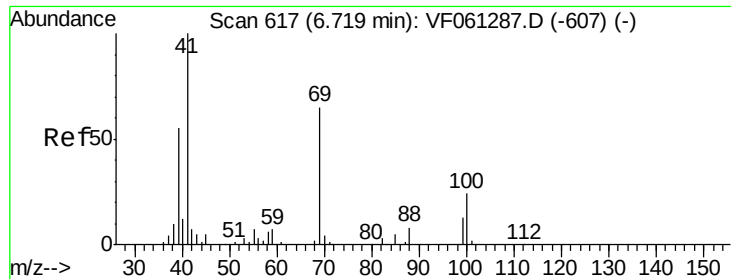
Tot Ion: 62 Resp: 65
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 16.8



#43
 Isopropyl Acetate
 Concen: 12.329 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.03 min
 Lab File: VF061389.D
 Acq: 14 Jan 2019 15:09

Tgt Ion: 43 Resp: 94
 Ion Ratio Lower Upper
 43 100
 61 0.0 24.3 36.5#
 87 0.0 0.2 0.4#





#48

Methyl methacrylate

Concen: 19.600 ug/l

RT: 6.66 min Scan# 612

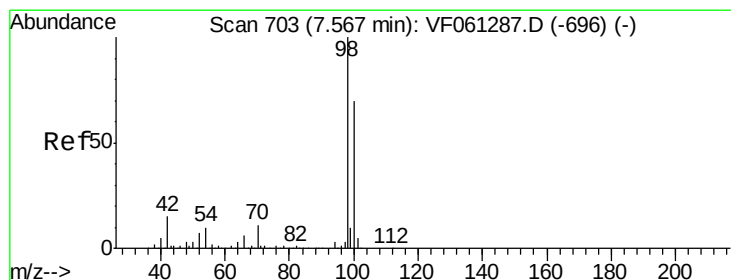
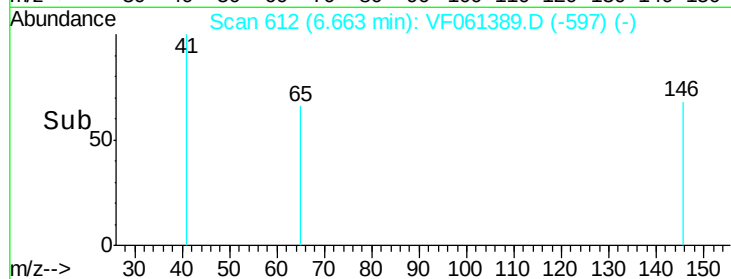
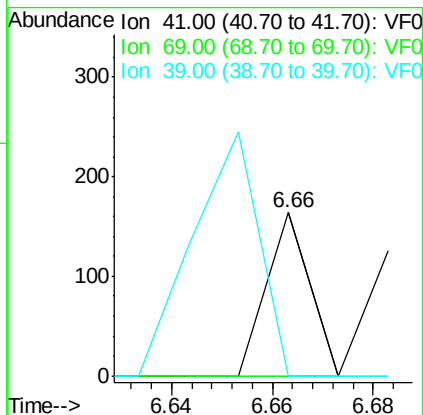
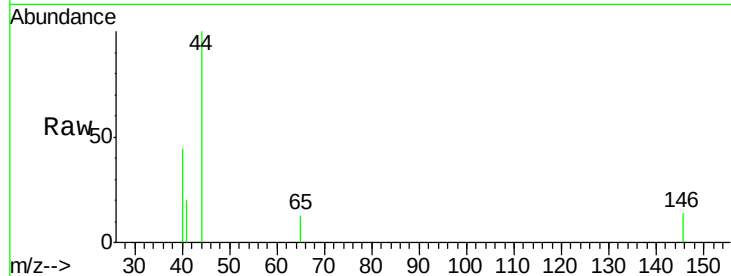
Delta R.T. -0.06 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 41 Resp: 97
Ion Ratio Lower Upper
41 100
69 0.0 51.5 77.3#
39 0.0 44.1 66.1#



#50

Toluene-d8

Concen: 60.066 ug/l

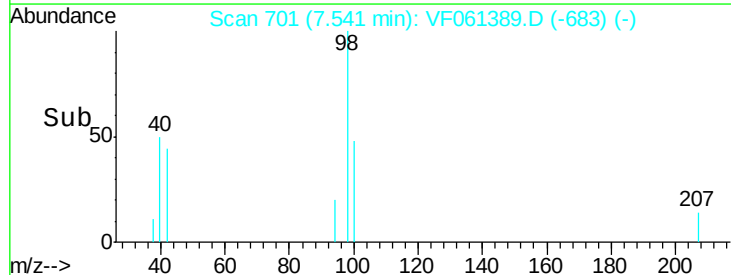
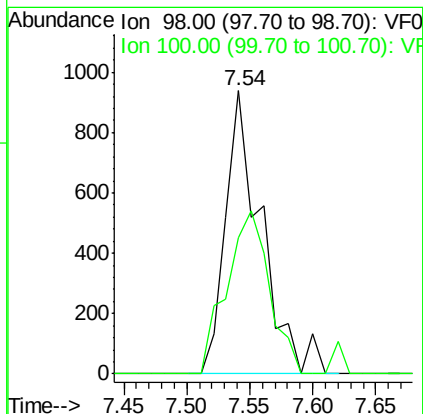
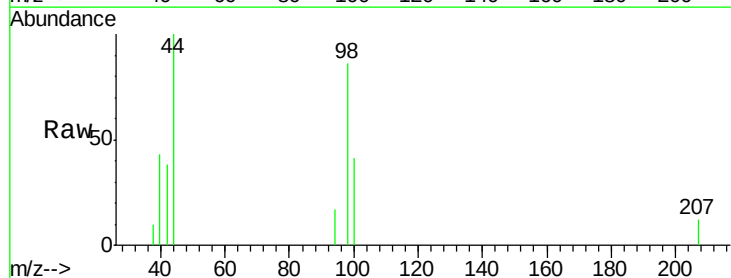
RT: 7.54 min Scan# 701

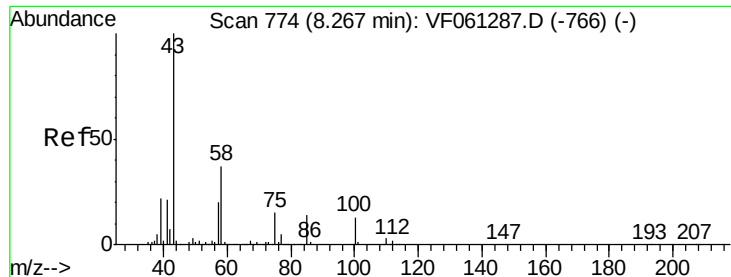
Delta R.T. -0.03 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Tgt Ion: 98 Resp: 1847
Ion Ratio Lower Upper
98 100
100 48.2 55.6 83.4#





#51

4-Methyl-2-Pentanone

Concen: 86.884 ug/l

RT: 8.22 min Scan# 770

Delta R.T. -0.05 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

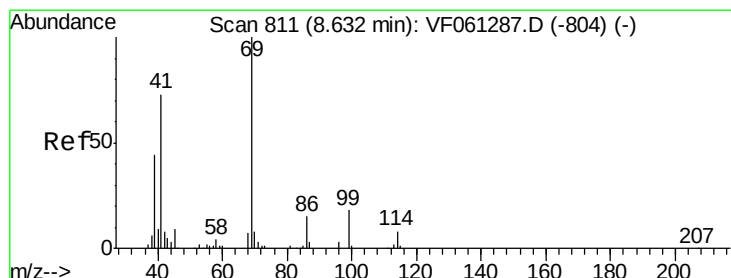
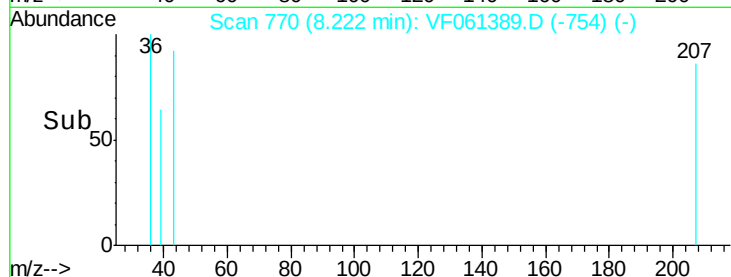
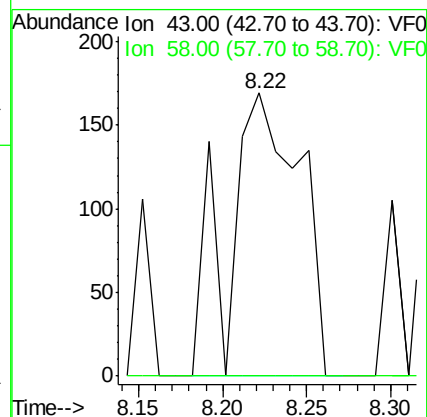
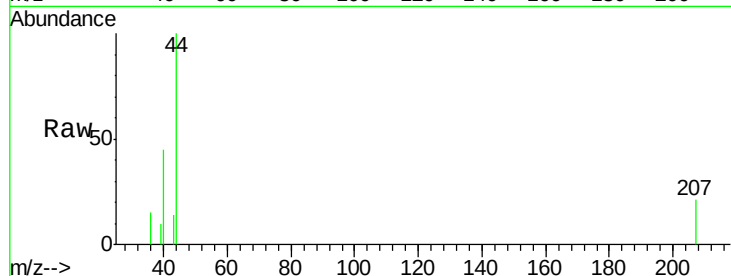
ClientSampleId :

Tot Ion: 43 Resp: 500

Ion Ratio Lower Upper

43 100

58 0.0 29.6 44.4#



#56

Ethyl methacrylate

Concen: 11.421 ug/l

RT: 8.54 min Scan# 802

Delta R.T. -0.10 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

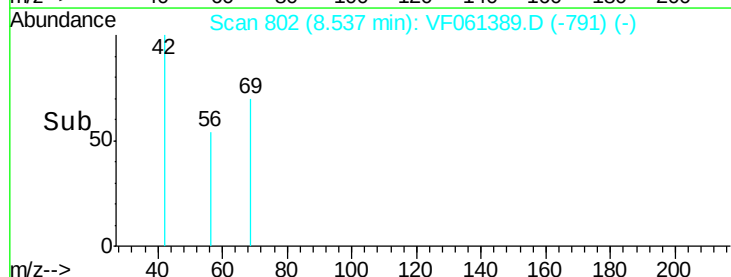
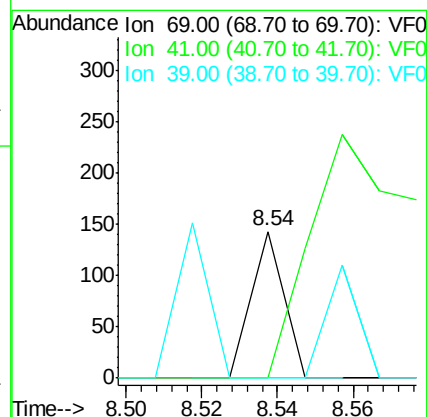
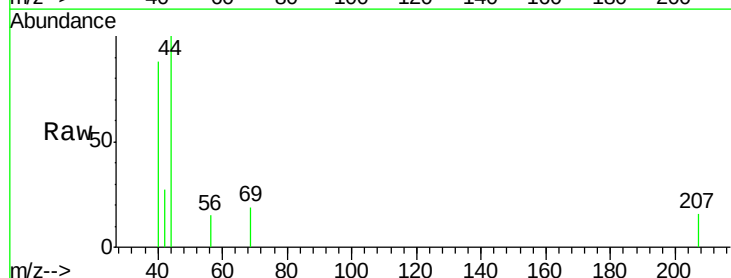
Tgt Ion: 69 Resp: 85

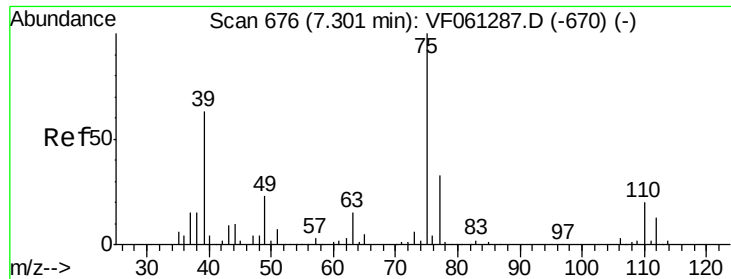
Ion Ratio Lower Upper

69 100

41 0.0 59.0 88.4#

39 0.0 35.3 52.9#

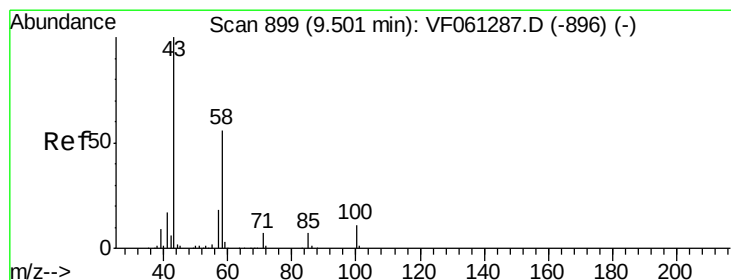
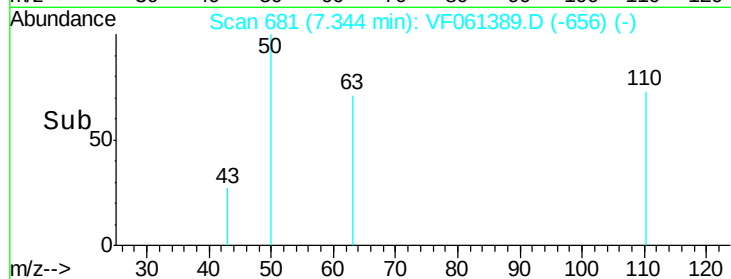
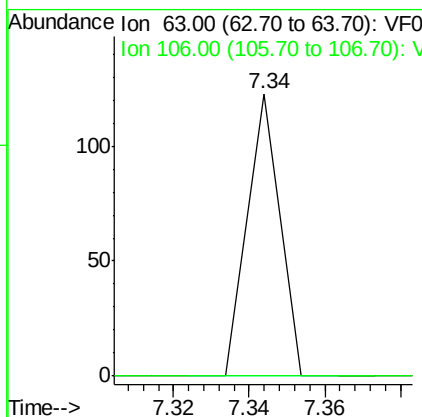
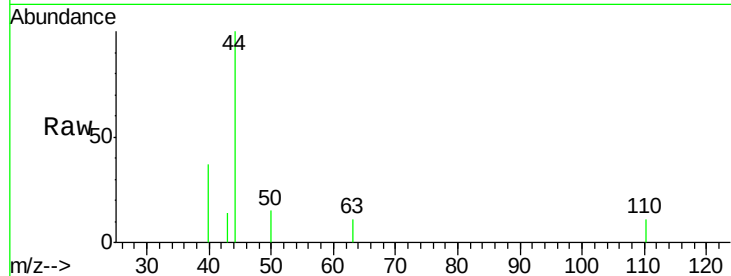




#58
 2-Chloroethyl Vinyl ether
 Concen: 230.169 ug/l
 RT: 7.34 min Scan# 681
 Delta R.T. 0.04 min
 Lab File: VF061389.D
 Acq: 14 Jan 2019 15:09

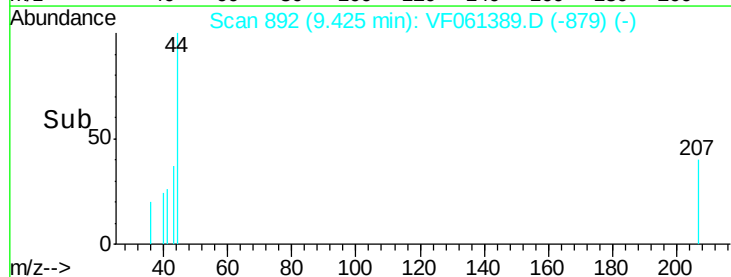
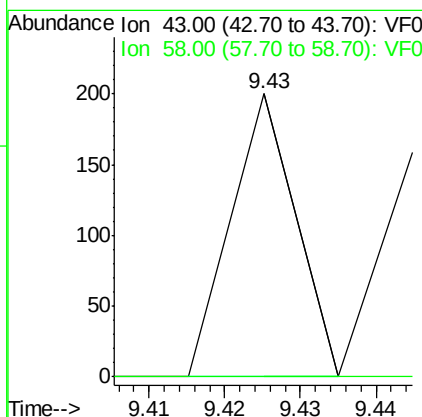
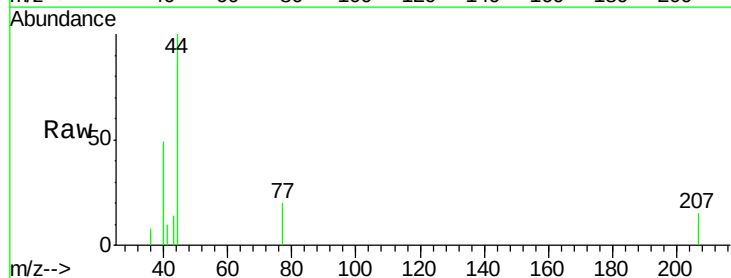
Instrument :
 MSVOA_F
 ClientSampled :

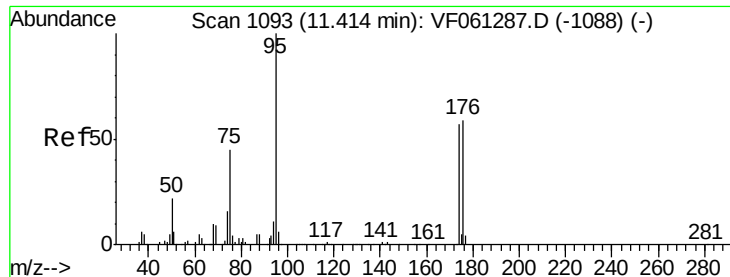
Tot Ion: 63 Resp: 73
 Ion Ratio Lower Upper
 63 100
 106 0.0 16.5 24.7#



#59
 2-Hexanone
 Concen: 28.943 ug/l
 RT: 9.43 min Scan# 892
 Delta R.T. -0.08 min
 Lab File: VF061389.D
 Acq: 14 Jan 2019 15:09

Tgt Ion: 43 Resp: 118
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.6 76.8#





#62

4-Bromofluorobenzene

Concen: 15.864 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061389.D

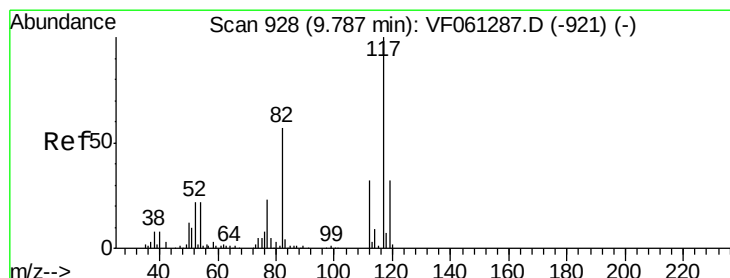
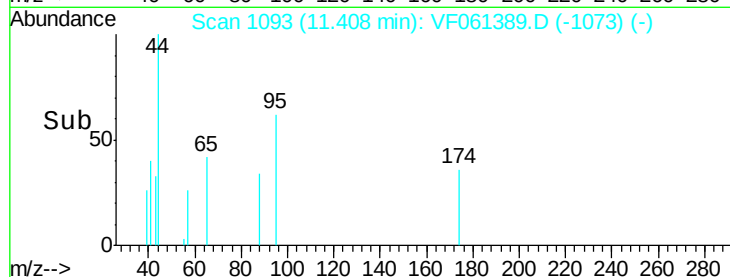
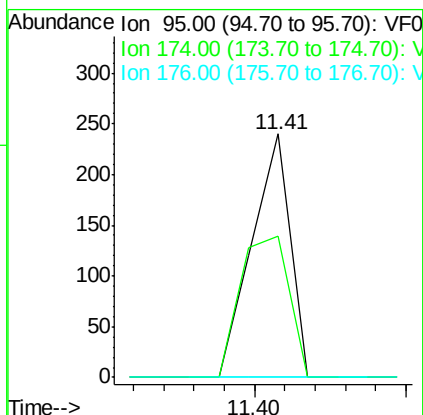
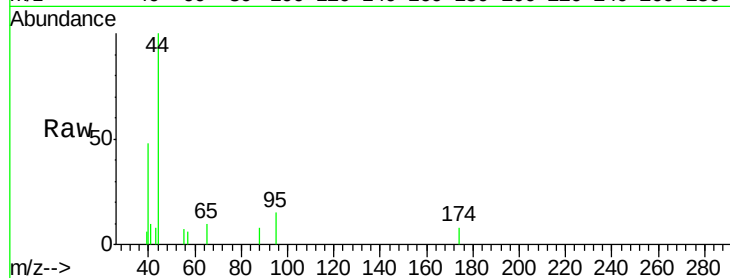
Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	95	Resp:	213
Ion	Ratio	Lower	Upper
95	100		
174	57.9	0.0	114.2
176	0.0	0.0	117.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

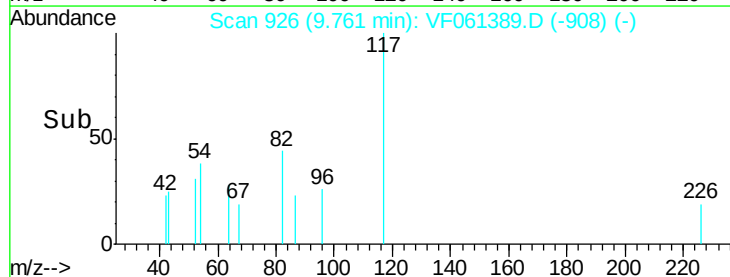
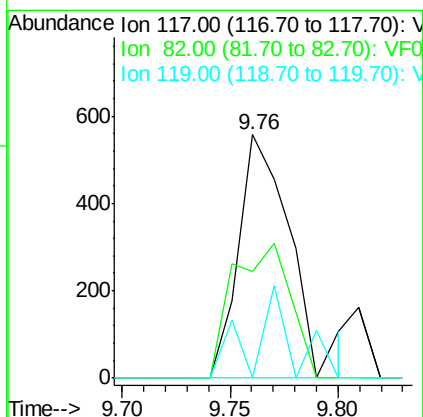
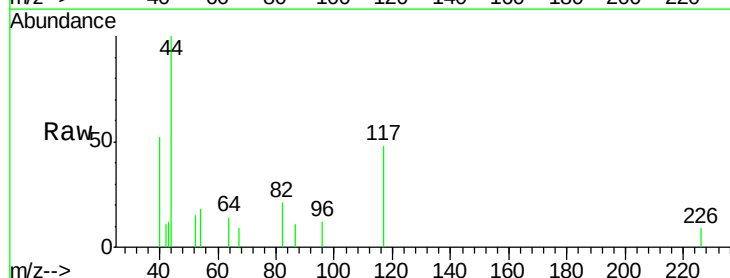
RT: 9.76 min Scan# 926

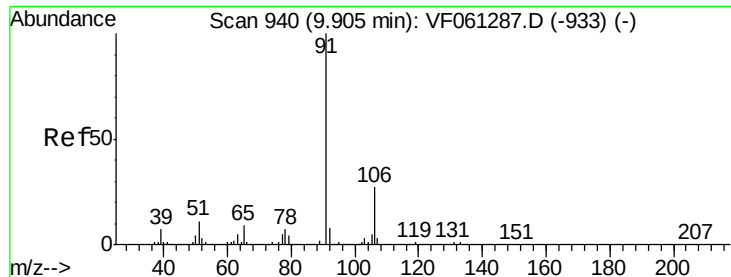
Delta R.T. -0.03 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Tgt Ion:	117	Resp:	943
Ion	Ratio	Lower	Upper
117	100		
82	43.9	45.3	67.9#
119	0.0	25.4	38.0#





#67

Ethyl Benzene

Concen: 1.743 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.01 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

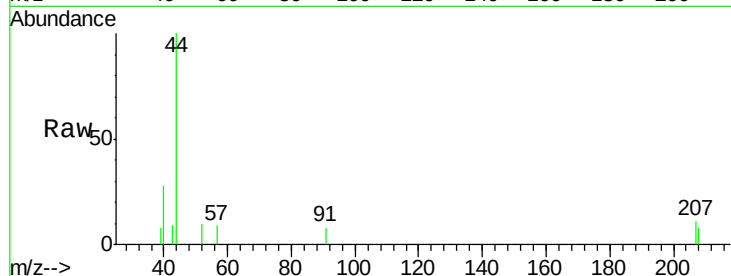
ClientSampleId :

Tot Ion: 91 Resp: 64

Ion Ratio Lower Upper

91 100

106 0.0 21.4 32.2#



Abundance Ion 91.00 (90.70 to 91.70): VF061287.D (-933) (-)

Ion 106.00 (105.70 to 106.70): VF061287.D (-933) (-)

9.90

120

100

80

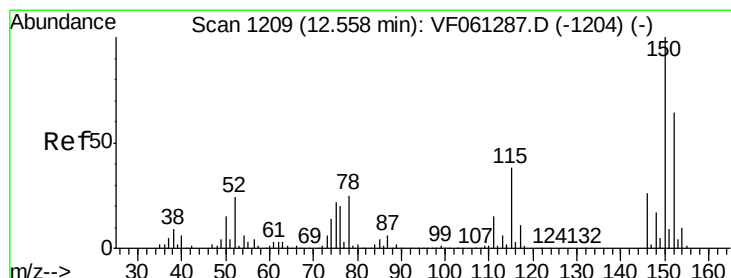
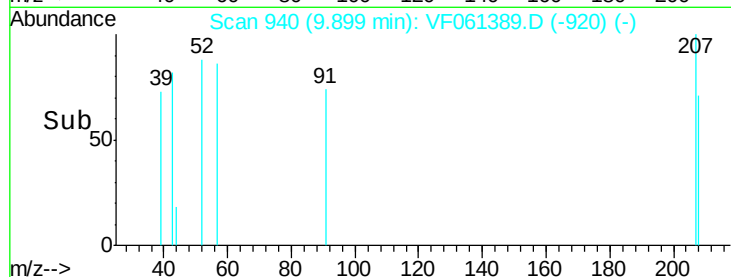
60

40

20

0

Time--> 9.86 9.88 9.90 9.92



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

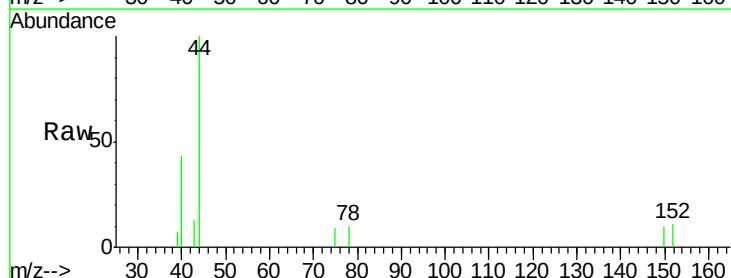
Tgt Ion: 152 Resp: 314

Ion Ratio Lower Upper

152 100

115 0.0 29.6 88.9#

150 95.5 0.0 315.4



Abundance Ion 152.00 (151.70 to 152.70): VF061287.D (-1204) (-)

Ion 115.00 (114.70 to 115.70): VF061287.D (-1204) (-)

Ion 150.00 (149.70 to 150.70): VF061287.D (-1204) (-)

12.55

250

200

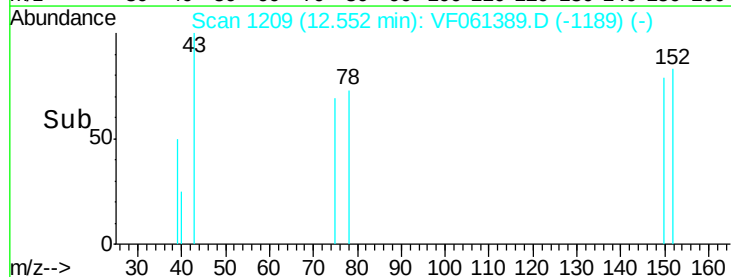
150

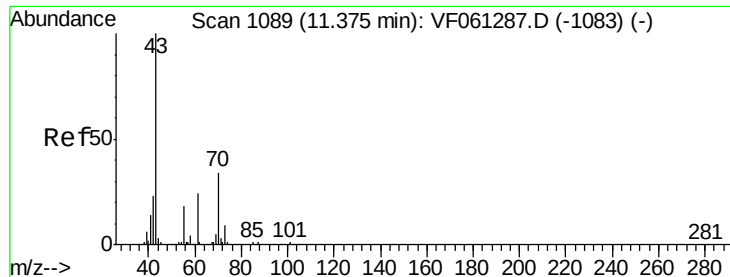
100

50

0

Time--> 12.50 12.55 12.60





#74

N-amvl acetate

Concen: 56.680 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.03 min

Lab File: VF061389.D

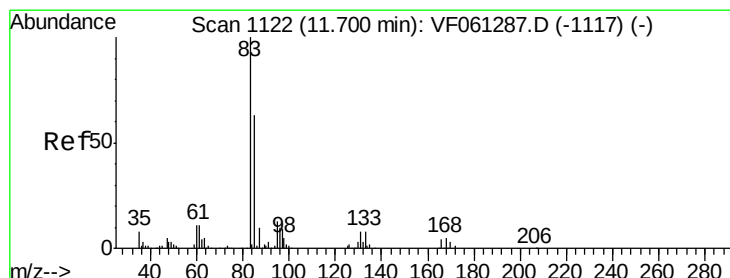
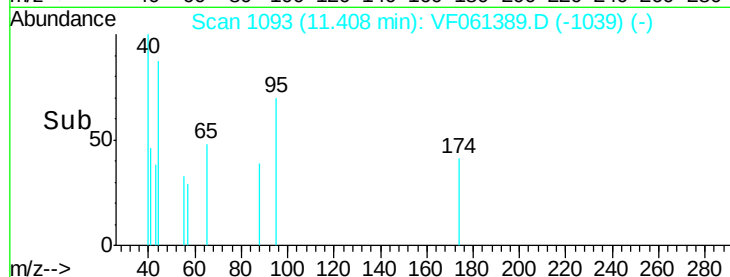
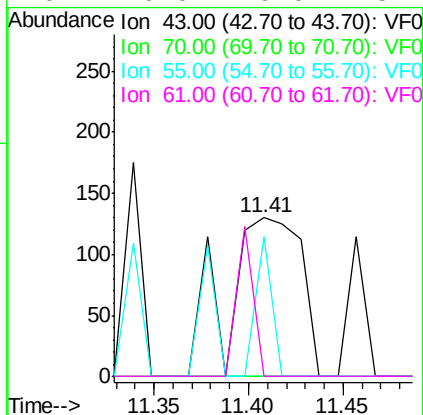
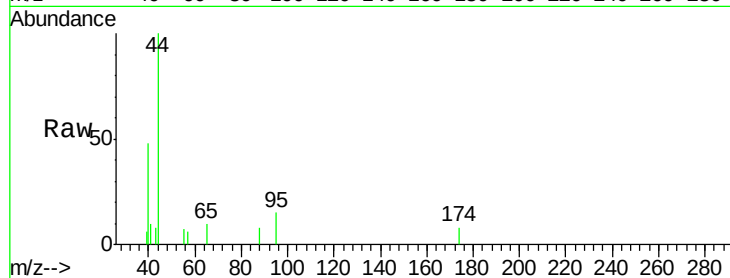
Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	43	Resp:	356
Ion	Ratio	Lower	Upper
43	100		
70	0.0	27.4	41.0#
55	87.7	14.7	22.1#
61	0.0	19.0	28.4#



#75

1,1,2,2-Tetrachloroethane

Concen: 20.772 ug/l

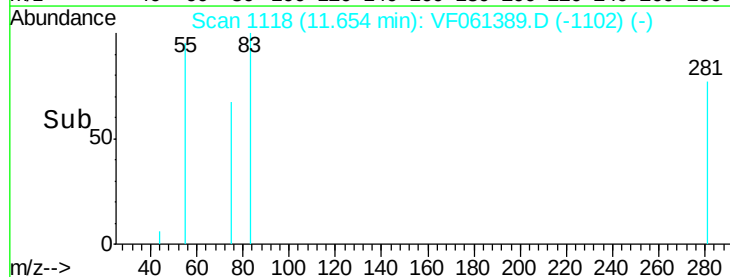
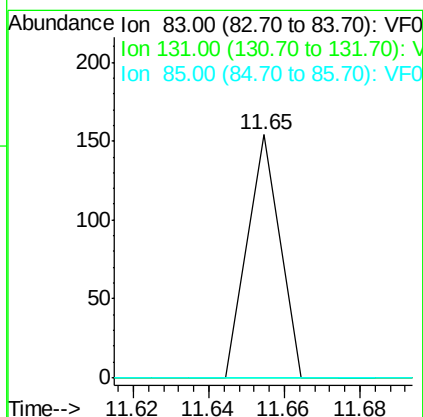
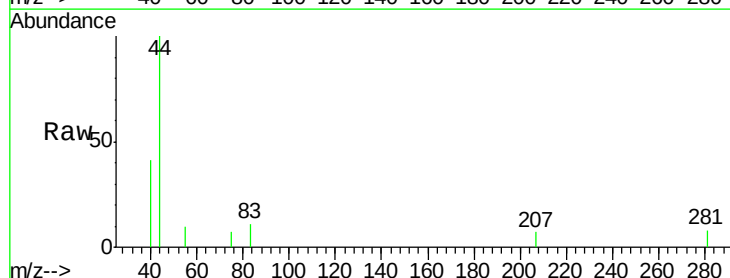
RT: 11.65 min Scan# 1118

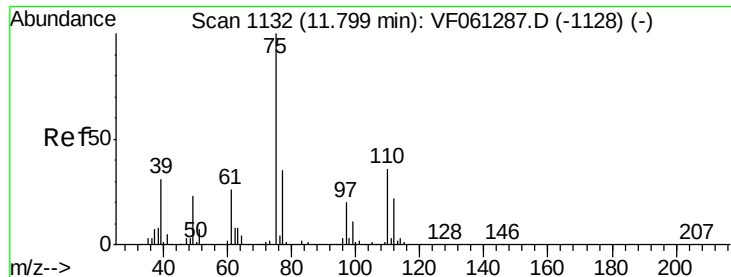
Delta R.T. -0.05 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Tgt Ion:	83	Resp:	91
Ion	Ratio	Lower	Upper
83	100		
131	0.0	3.9	11.7#
85	0.0	31.6	94.7#

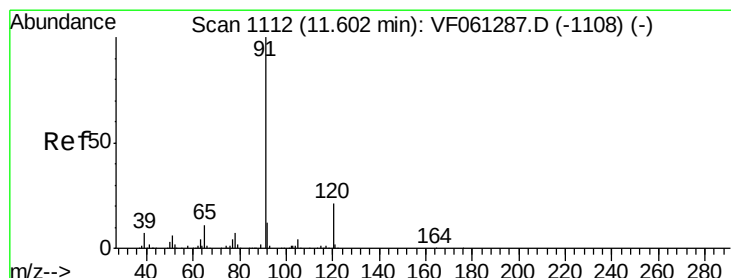
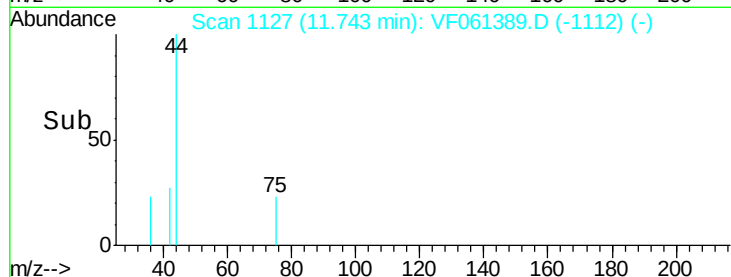
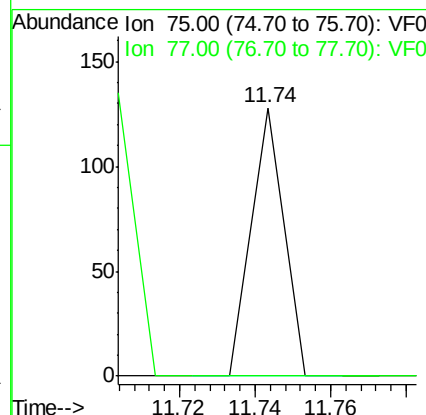
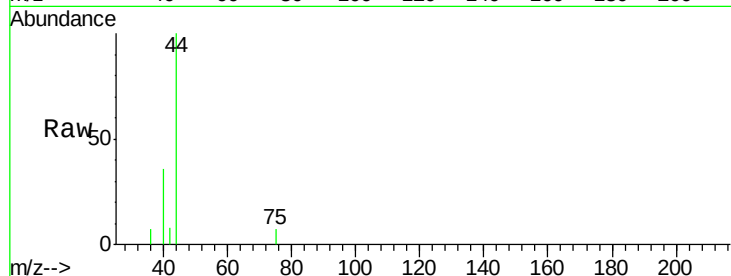




#76
 1,2,3-Trichloropropane
 Concen: 23.653 ug/l
 RT: 11.74 min Scan# 1127
 Delta R.T. -0.06 min
 Lab File: VF061389.D
 Acq: 14 Jan 2019 15:09

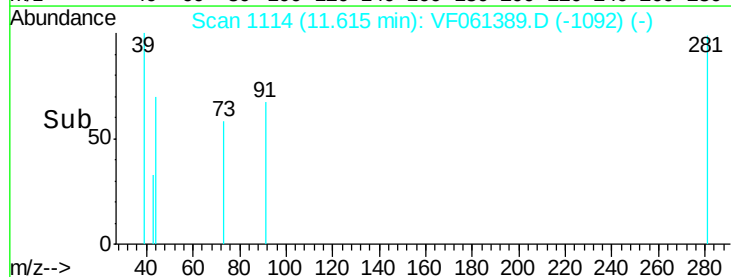
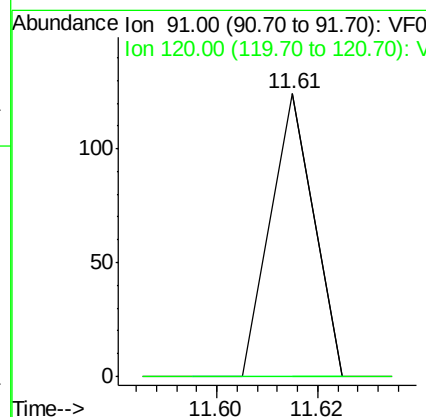
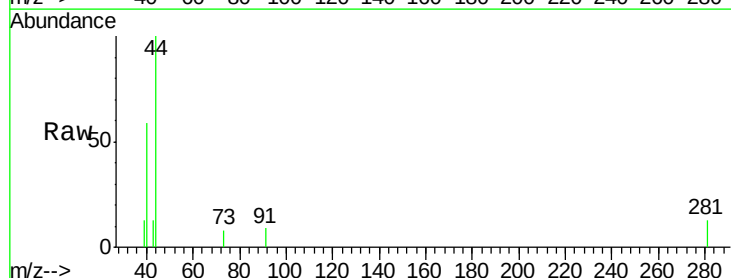
Instrument :
 MSVOA_F
 ClientSampled :

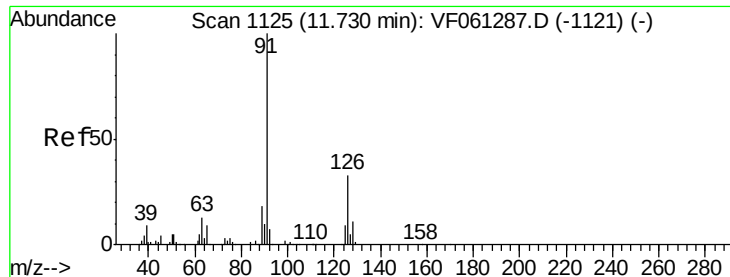
Tot Ion: 75 Resp: 76
 Ion Ratio Lower Upper
 75 100
 77 0.0 17.5 52.5#



#78
 n-propylbenzene
 Concen: 2.216 ug/l
 RT: 11.61 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VF061389.D
 Acq: 14 Jan 2019 15:09

Tgt Ion: 91 Resp: 73
 Ion Ratio Lower Upper
 91 100
 120 0.0 10.7 32.1#





#79

2-Chlorotoluene

Concen: 4.577 ug/l

RT: 11.64 min Scan# 1117

Delta R.T. -0.09 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

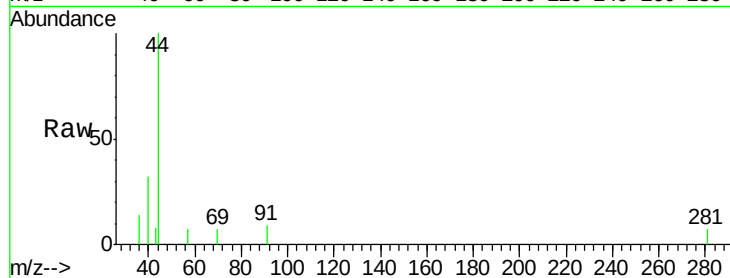
ClientSampleId :

Tot Ion: 91 Resp: 84

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.8#

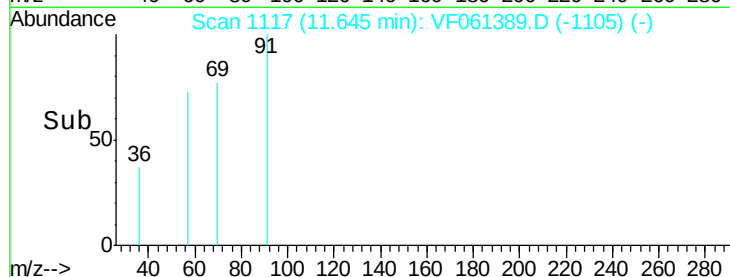


Abundance Ion 91.00 (90.70 to 91.70): VF0

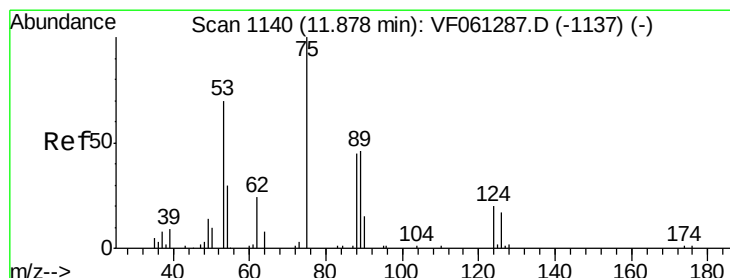
Ion 126.00 (125.70 to 126.70): V

11.64

11.62 11.66



Time--> 11.62 11.64 11.66



#81

trans-1,4-Dichloro-2-butene

Concen: 54.126 ug/l

RT: 11.74 min Scan# 1127

Delta R.T. -0.13 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

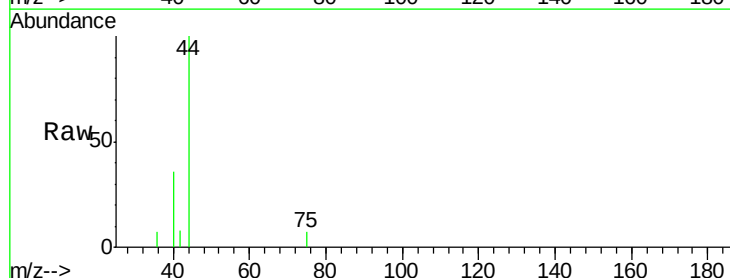
Tgt Ion: 75 Resp: 76

Ion Ratio Lower Upper

75 100

53 0.0 62.2 93.2#

89 0.0 40.2 60.4#



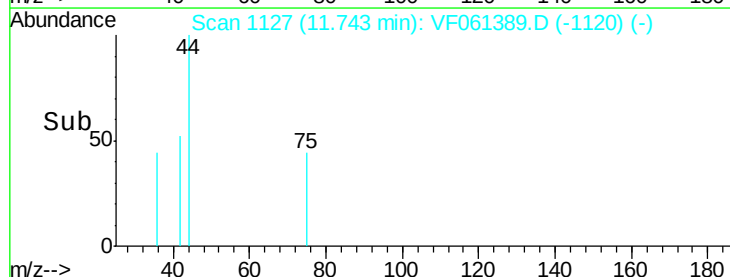
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

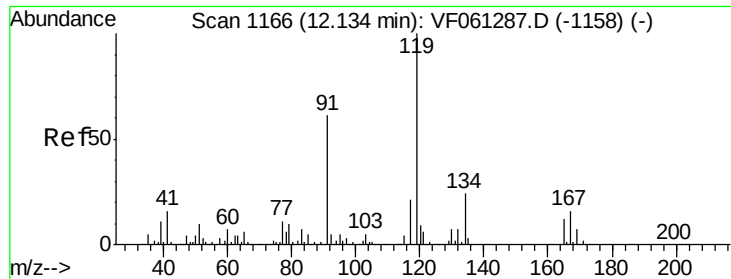
Ion 89.00 (88.70 to 89.70): VF0

11.74

11.72 11.76



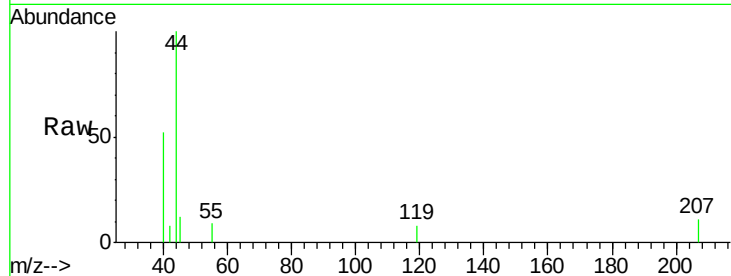
Time--> 11.72 11.74 11.76



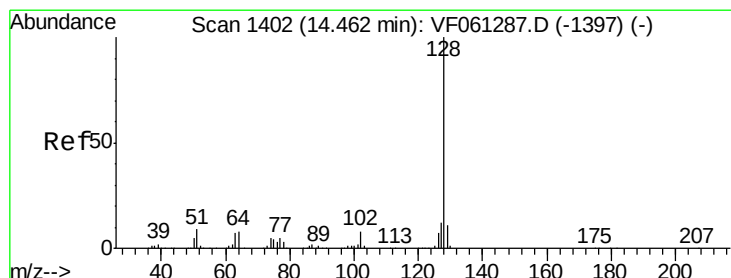
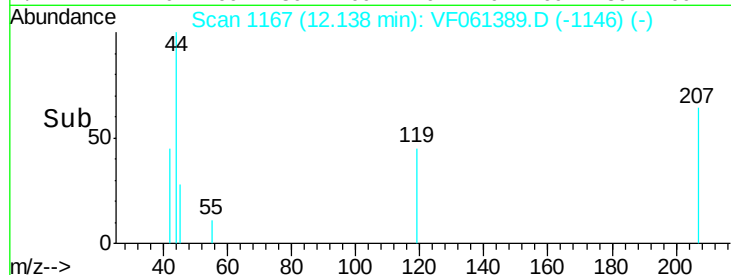
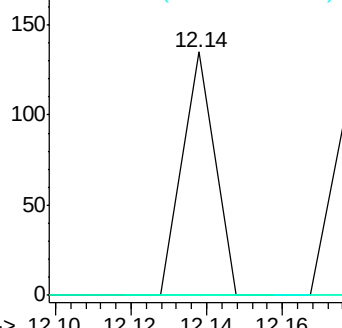
#83
 tert-Butylbenzene
 Concen: 3.652 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: VF061389.D
 Acq: 14 Jan 2019 15:09

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:119 Resp: 80
 Ion Ratio Lower Upper
 119 100
 91 0.0 30.8 92.4#
 134 0.0 11.9 35.9#

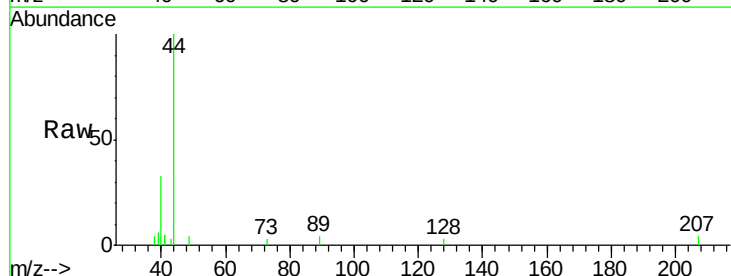


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V



#95
 Naphthalene
 Concen: 4.666 ug/l
 RT: 14.45 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: VF061389.D
 Acq: 14 Jan 2019 15:09

Tgt Ion:128 Resp: 62
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.4 14.0#
 129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

