

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060319\
 Data File : VF062829.D
 Acq On : 3 Jun 2019 15:24
 Operator : FY/SY
 Sample : K3097-10
 Misc : 5.04g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 0430-HR-10(HACKENSACK)

Quant Time: Jun 04 08:52:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.15	168	280	50.00	ug/l	0.07
34) 1,4-Difluorobenzene	5.91	114	277	50.00	ug/l	0.10
63) Chlorobenzene-d5	10.10	117	202	50.00	ug/l	0.16
72) 1,4-Dichlorobenzene-d4	12.59	152	130	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.15	65	542	279.93	ug/l	0.09
Spiked Amount			Recovery	=	559.86%	
35) Dibromofluoromethane	4.40	113	340	162.43	ug/l	0.06
Spiked Amount			Recovery	=	324.86%	
50) Toluene-d8	7.88	98	222	41.94	ug/l	0.14
Spiked Amount			Recovery	=	83.88%	
62) 4-Bromofluorobenzene	11.72	95	491	257.88	ug/l	0.21
Spiked Amount			Recovery	=	515.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.87	85	358	118.937	ug/l	87
3) Chloromethane	1.18	50	782	269.917	ug/l #	41
4) Vinyl Chloride	1.22	62	311	108.023	ug/l #	42
5) Bromomethane	1.44	94	591	359.948	ug/l #	42
6) Chloroethane	1.49	64	226	209.952	ug/l #	21
7) Trichlorofluoromethane	1.56	101	522	128.075	ug/l #	82
8) Diethyl Ether	1.65	74	262	326.734	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	1.92	101	178	69.465	ug/l #	19
10) Methyl Iodide	2.04	142	400	77.853	ug/l #	36
11) Tert butyl alcohol	2.79	59	1026	8747.233	ug/l #	1
12) 1,1-Dichloroethene	1.92	96	852	366.166	ug/l #	4
13) Acrolein	2.12	56	269	5926.521	ug/l	86
14) Allyl chloride	2.22	41	953	527.940	ug/l #	13
15) Acrylonitrile	3.14	53	319	723.779	ug/l #	5
16) Acetone	2.38	43	1134	2558.915	ug/l	91
17) Carbon Disulfide	1.97	76	703	103.372	ug/l #	15
18) Methyl Acetate	2.53	43	396	511.355	ug/l #	47
19) Methyl tert-butyl Ether	2.60	73	236	55.983	ug/l #	1
20) Methylene Chloride	2.42	84	304	142.514	ug/l #	12
21) trans-1,2-Dichloroethene	2.46	96	833	357.053	ug/l #	10
22) Diisopropyl ether	3.02	45	478	93.204	ug/l #	42
23) Vinyl Acetate	3.40	43	423	120.477	ug/l #	73
24) 1,1-Dichloroethane	3.10	63	655	171.055	ug/l #	88
25) 2-Butanone	4.69	43	1197	1159.870	ug/l	92
26) 2,2-Dichloropropane	3.88	77	529	243.306	ug/l	80
27) cis-1,2-Dichloroethene	3.74	96	800	203.998	ug/l	17
28) Bromochloromethane	3.99	49	185	88.819	ug/l #	3
29) Tetrahydrofuran	4.34	42	377	955.118	ug/l #	82
30) Chloroform	4.14	83	394	73.007	ug/l #	15
31) Cyclohexane	3.97	56	161	31.056	ug/l #	61
32) 1,1,1-Trichloroethane	4.40	97	468	148.944	ug/l	90
36) 1,1-Dichloropropene	4.62	75	1004	393.719	ug/l #	23
37) Ethyl Acetate	4.40	43	297	304.681	ug/l #	51
38) Carbon Tetrachloride	4.29	117	182	105.604	ug/l #	11

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.77	83	187	58.921	ug/l #	18
40) Benzene	4.95	78	334	45.004	ug/l #	1
41) Methacrylonitrile	5.07	41	670	1236.377	ug/l #	82
42) 1,2-Dichloroethane	5.23	62	233	165.070	ug/l	69
43) Isopropyl Acetate	7.25	43	324	251.610	ug/l #	38
44) Trichloroethene	5.78	130	186	88.803	ug/l	81
45) 1,2-Dichloropropane	6.45	63	653	350.622	ug/l	99
46) Dibromomethane	6.35	93	296	272.221	ug/l #	20
47) Bromodichloromethane	6.71	83	108	48.770	ug/l #	23
48) Methyl methacrylate	7.03	41	729	1098.490	ug/l #	80
49) 1,4-Dioxane	6.99	88	359	41040.297	ug/l #	1
51) 4-Methyl-2-Pentanone	8.55	43	1067	1160.609	ug/l	94
52) Toluene	7.77	92	93	23.266	ug/l	79
53) t-1,3-Dichloropropene	8.59	75	62	33.787	ug/l #	43
54) cis-1,3-Dichloropropene	7.64	75	226	85.083	ug/l #	1
55) 1,1,2-Trichloroethane	8.80	97	157	131.469	ug/l #	50
56) Ethyl methacrylate	8.91	69	386	301.247	ug/l #	13
57) 1,3-Dichloropropane	9.19	76	363	186.141	ug/l #	7
58) 2-Chloroethyl Vinyl ether	7.60	63	163	363.991	ug/l #	51
59) 2-Hexanone	9.82	43	370	564.644	ug/l	88
60) Dibromochloromethane	8.95	129	62	41.935	ug/l	58
61) 1,2-Dibromoethane	9.31	107	86	69.341	ug/l #	76
64) Tetrachloroethene	8.30	164	126	81.173	ug/l #	8
65) Chlorobenzene	9.88	112	60	15.381	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	10.11	131	83	53.425	ug/l #	6
67) Ethyl Benzene	10.04	91	60	8.963	ug/l #	1
68) m/p-Xylenes	10.28	106	86	33.573	ug/l	87
69) o-Xylene	10.80	106	134	51.667	ug/l	49
70) Styrene	10.87	104	335	87.634	ug/l #	1
71) Bromoform	10.89	173	280	375.698	ug/l #	28
73) Isopropylbenzene	11.25	105	122	13.450	ug/l #	44
74) N-amyl acetate	11.46	43	441	172.497	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	11.79	83	248	128.026	ug/l #	25
76) 1,2,3-Trichloropropane	11.73	75	205	159.654	ug/l	69
77) Bromobenzene	11.63	156	120	52.651	ug/l	71
78) n-propylbenzene	11.67	91	168	15.339	ug/l #	49
79) 2-Chlorotoluene	11.87	91	425	67.816	ug/l	93
80) 1,3,5-Trimethylbenzene	11.89	105	305	41.116	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.94	75	133	244.658	ug/l #	69
82) 4-Chlorotoluene	11.87	91	425	69.007	ug/l	89
83) tert-Butylbenzene	12.23	119	63	8.571	ug/l #	45
84) 1,2,4-Trimethylbenzene	12.41	105	90	12.796	ug/l	72
85) sec-Butylbenzene	12.41	105	90	9.292	ug/l #	55
86) p-Isopropyltoluene	12.51	119	403	49.989	ug/l #	14
87) 1,3-Dichlorobenzene	12.60	146	149	37.069	ug/l #	76
88) 1,4-Dichlorobenzene	12.64	146	211	56.249	ug/l #	34
89) n-Butylbenzene	12.94	91	513	63.258	ug/l #	24
90) Hexachloroethane	12.83	117	126	64.081	ug/l	90
91) 1,2-Dichlorobenzene	12.99	146	90	25.475	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.72	75	69	326.950	ug/l #	50

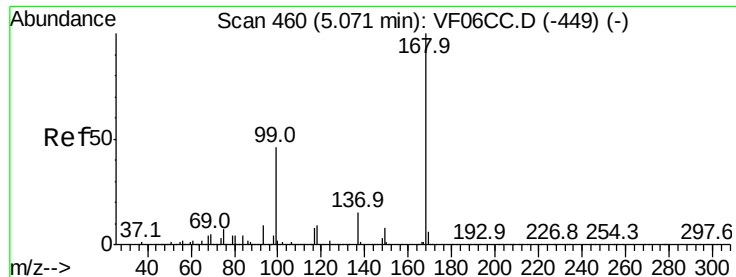
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	77	31.743	ug/l #	10
94) Hexachlorobutadiene	14.21	225	119	70.911	ug/l #	45
95) Naphthalene	14.54	128	130	32.712	ug/l #	19
96) 1,2,3-Trichlorobenzene	14.57	180	60	27.097	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.15 min Scan# 468

Delta R.T. 0.07 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

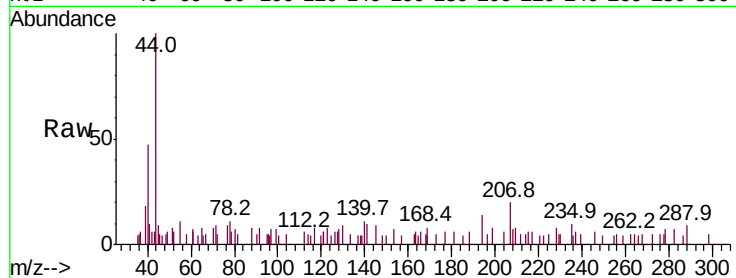
0430-HR-10(HACKENSACK)

Tot Ion:168 Resp: 280

Ion Ratio Lower Upper

168 100

99 52.1 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.15

300

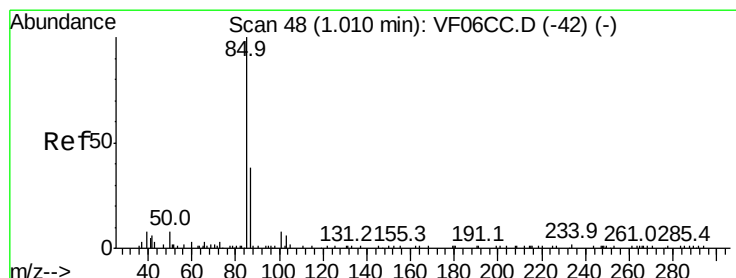
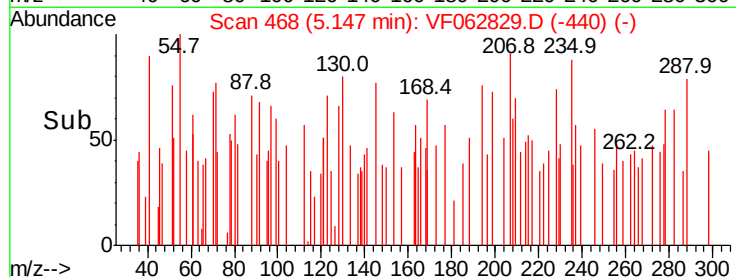
200

100

0

5.12 5.14 5.16 5.18

Time-->



#2

Dichlorodifluoromethane

Concen: 118.937 ug/l

RT: 0.87 min Scan# 34

Delta R.T. -0.14 min

Lab File: VF062829.D

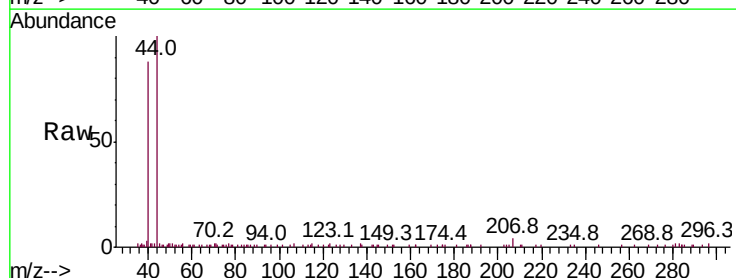
Acq: 3 Jun 2019 15:24

Tgt Ion: 85 Resp: 358

Ion Ratio Lower Upper

85 100

87 43.0 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.87

400

300

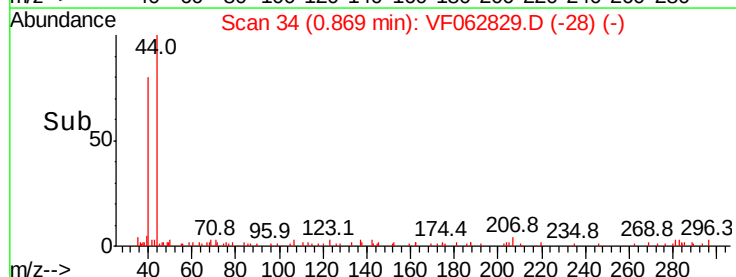
200

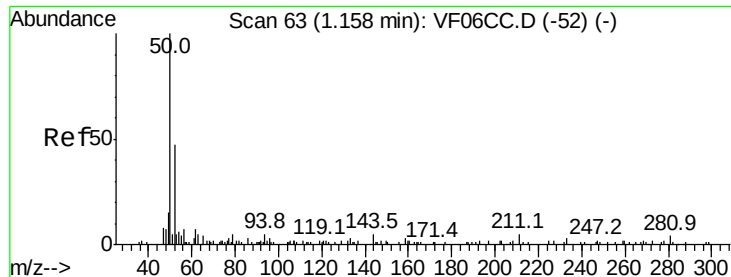
100

0

0.82 0.84 0.86 0.88

Time-->





#3

Chloromethane

Concen: 269.917 ug/l

RT: 1.18 min Scan# 66

Delta R.T. 0.03 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

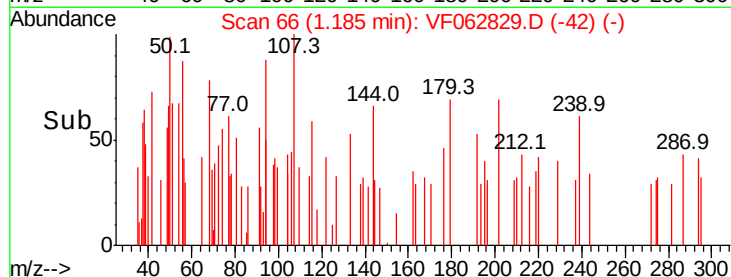
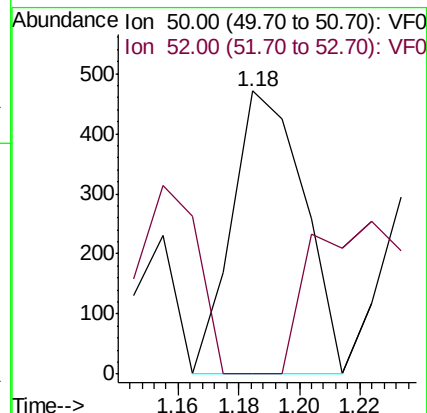
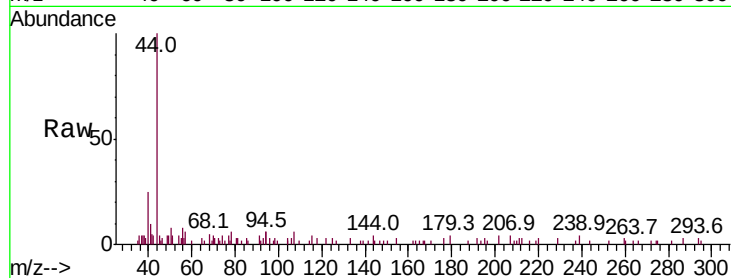
0430-HR-10(HACKENSACK)

Tot Ion: 50 Resp: 782

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.4#



#4

Vinyl Chloride

Concen: 108.023 ug/l

RT: 1.22 min Scan# 70

Delta R.T. 0.02 min

Lab File: VF062829.D

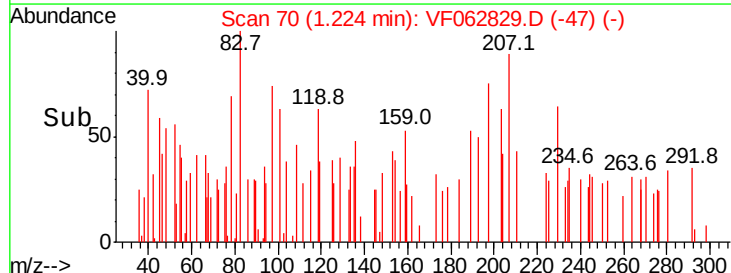
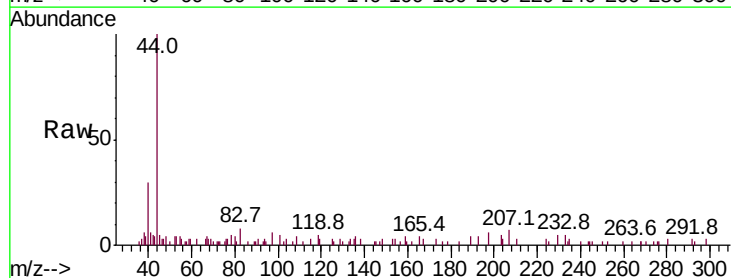
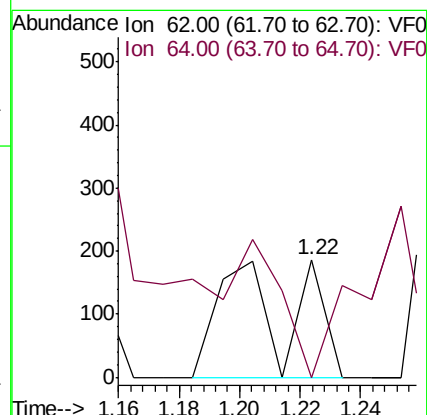
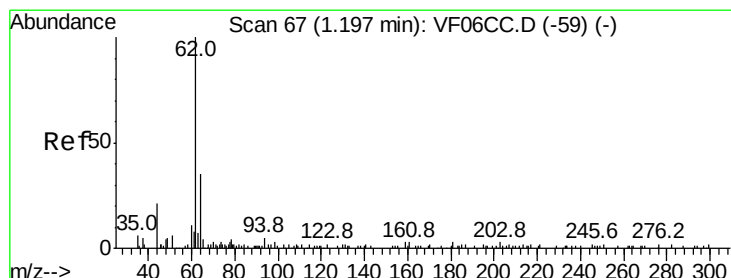
Acq: 3 Jun 2019 15:24

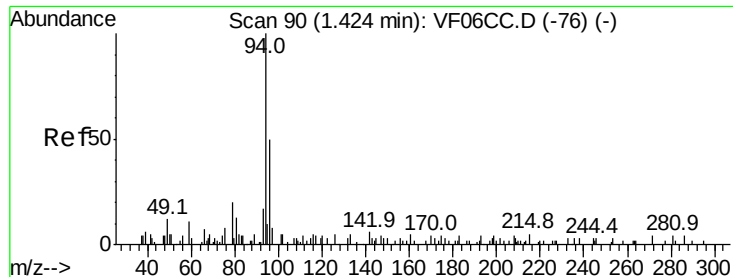
Tgt Ion: 62 Resp: 311

Ion Ratio Lower Upper

62 100

64 0.0 26.2 39.2#





#5

Bromomethane

Concen: 359.948 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.03 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

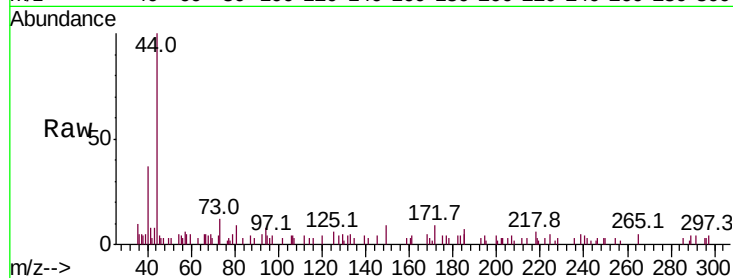
0430-HR-10(HACKENSACK)

Tot Ion: 94 Resp: 591

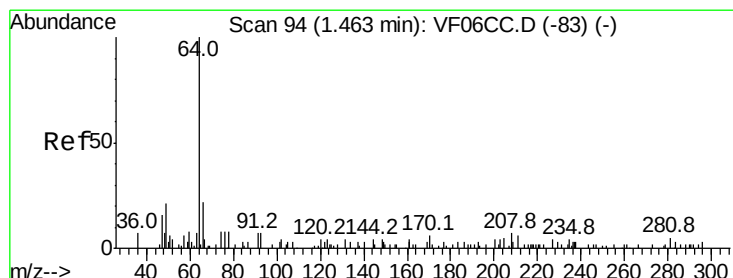
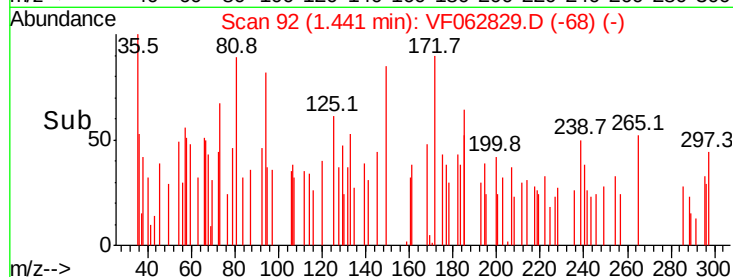
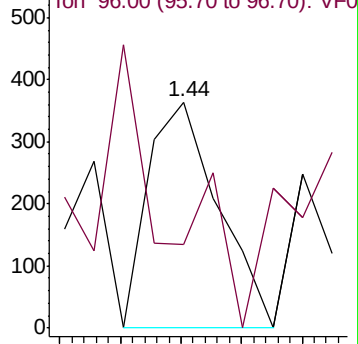
Ion Ratio Lower Upper

94 100

96 36.8 73.8 110.6#



Abundance Ion 94.00 (93.70 to 94.70): VF0



#6

Chloroethane

Concen: 209.952 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.02 min

Lab File: VF062829.D

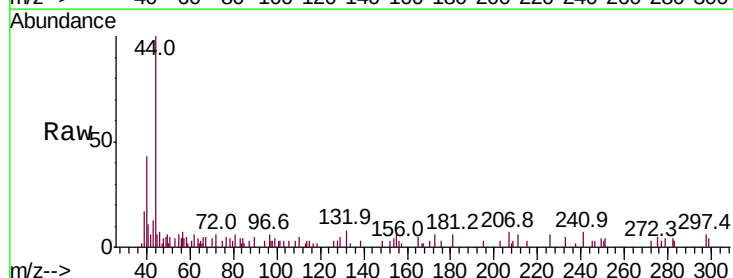
Acq: 3 Jun 2019 15:24

Tgt Ion: 64 Resp: 226

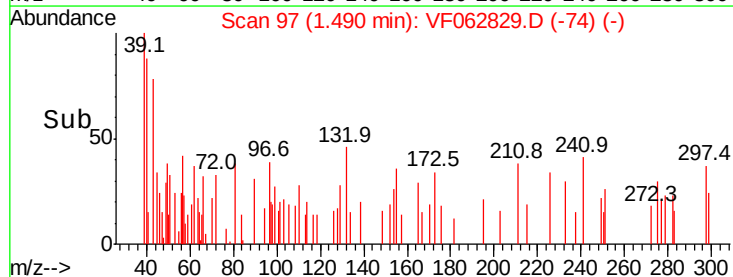
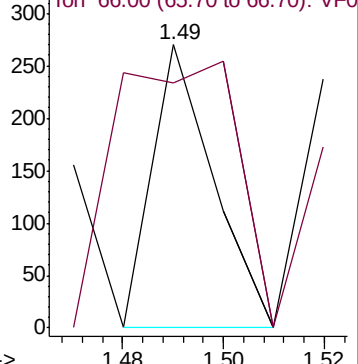
Ion Ratio Lower Upper

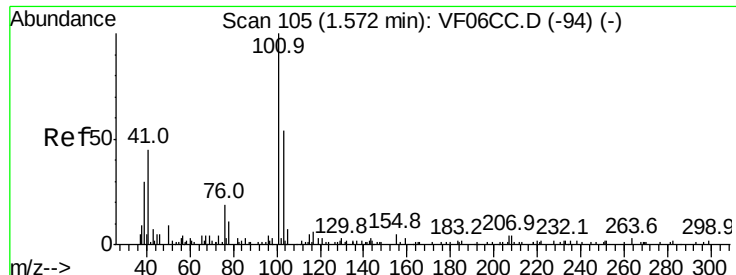
64 100

66 86.7 31.0 46.4#



Abundance Ion 64.00 (63.70 to 64.70): VF0



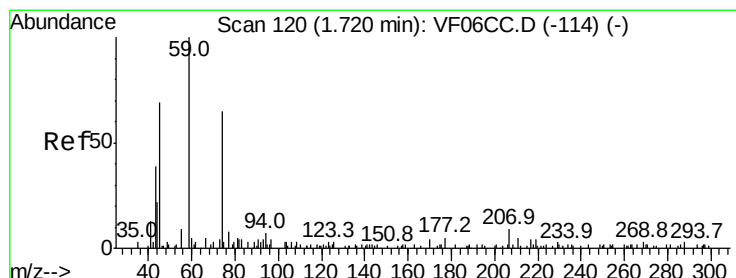
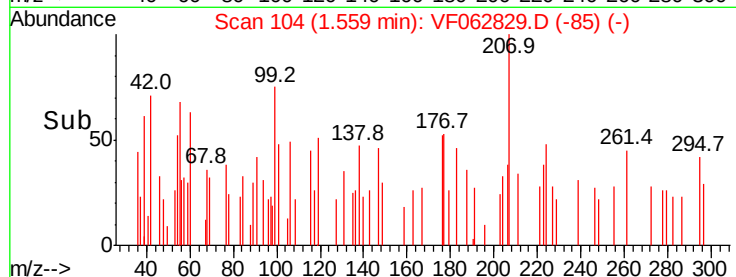
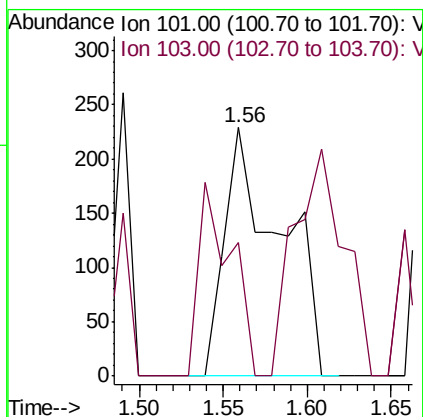
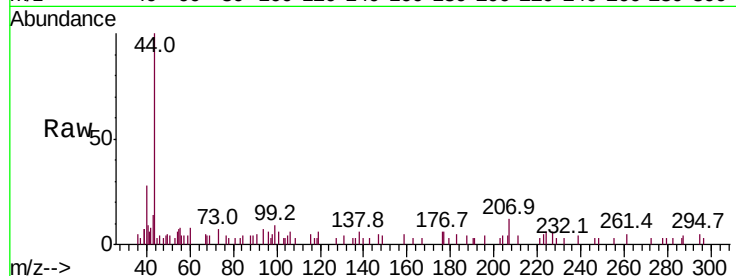


#7

Trichlorofluoromethane
Concen: 128.075 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062829.D
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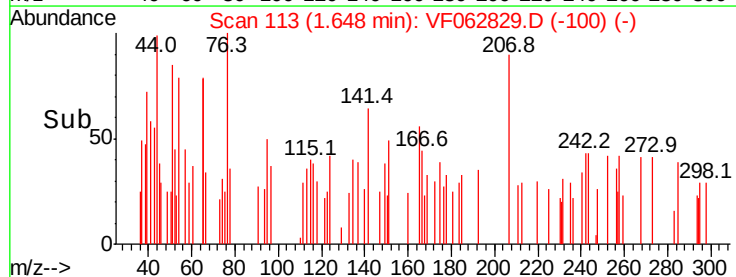
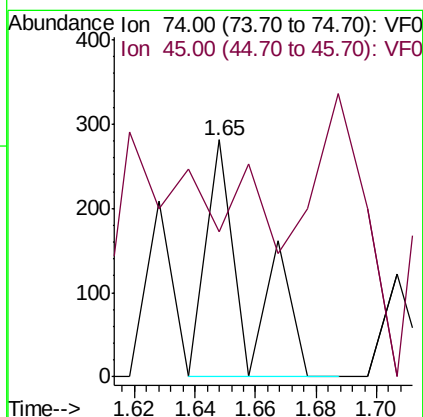
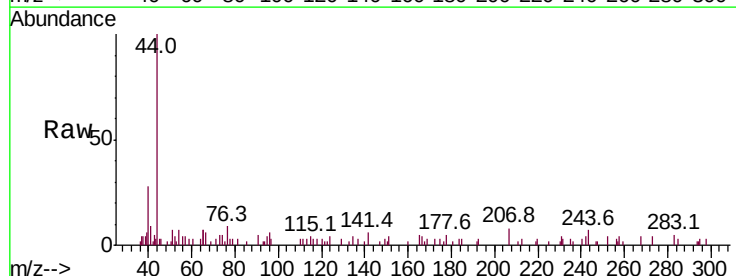
Tot Ion:101 Resp: 522
Ion Ratio Lower Upper
101 100
103 53.7 54.6 82.0#

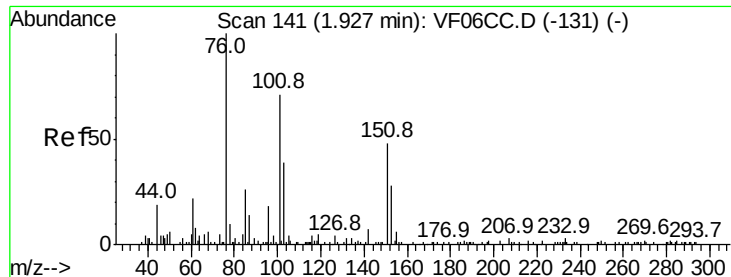


#8

Diethyl Ether
Concen: 326.734 ug/l
RT: 1.65 min Scan# 113
Delta R.T. -0.07 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

Tgt Ion: 74 Resp: 262
Ion Ratio Lower Upper
74 100
45 61.6 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 69.465 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

0430-HR-10(HACKENSACK)

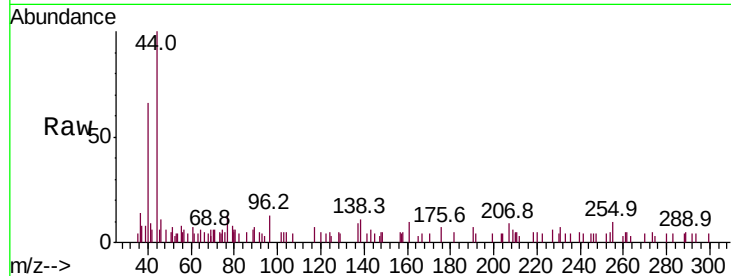
Tot Ion:101 Resp: 178

Ion Ratio Lower Upper

101 100

85 0.0 37.1 55.7#

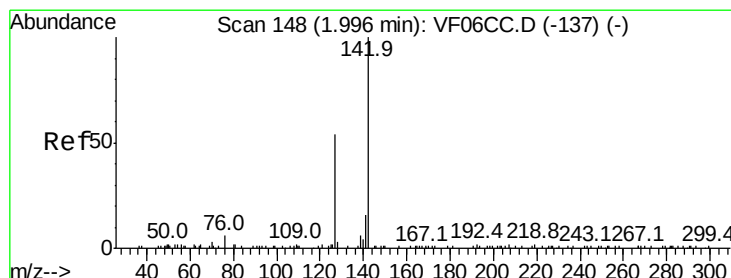
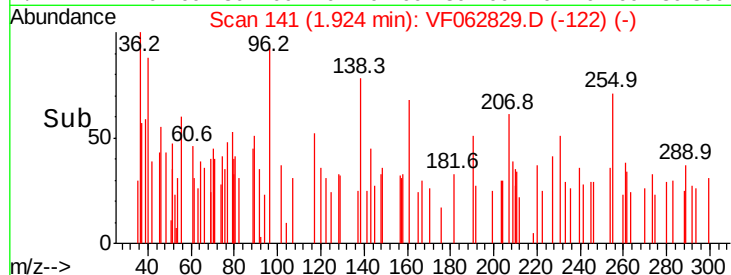
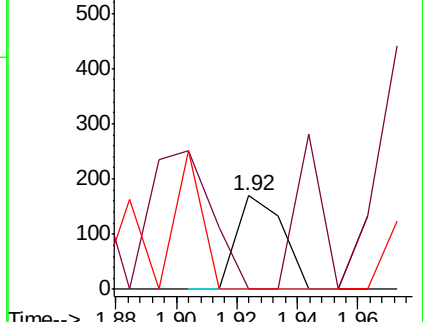
151 0.0 60.3 90.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 77.853 ug/l

RT: 2.04 min Scan# 153

Delta R.T. 0.02 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

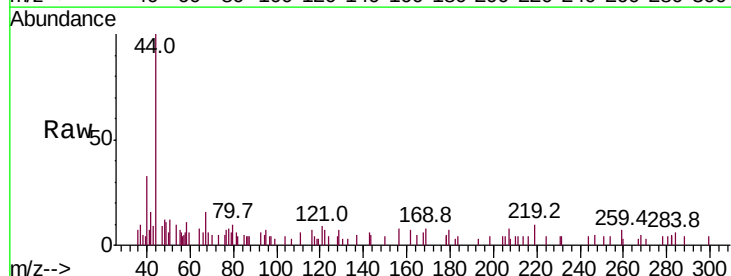
Tgt Ion:142 Resp: 400

Ion Ratio Lower Upper

142 100

127 0.0 39.4 59.2#

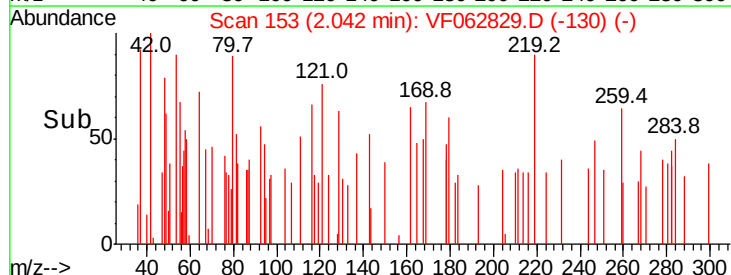
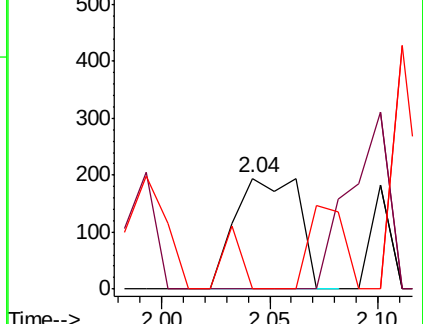
141 0.0 10.6 15.8#

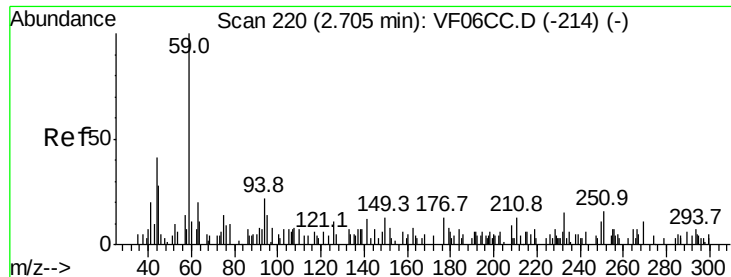


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



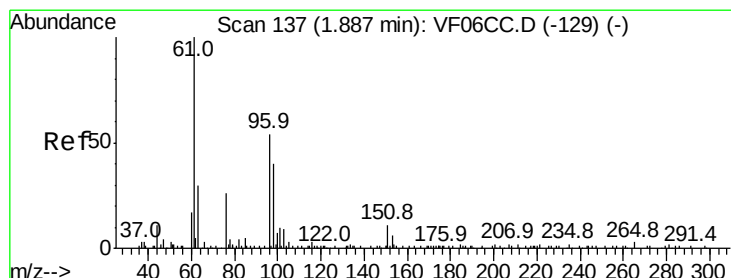
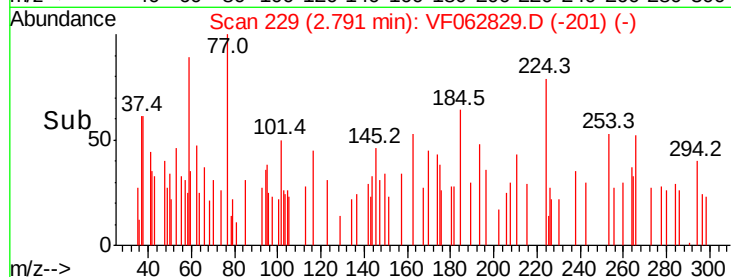
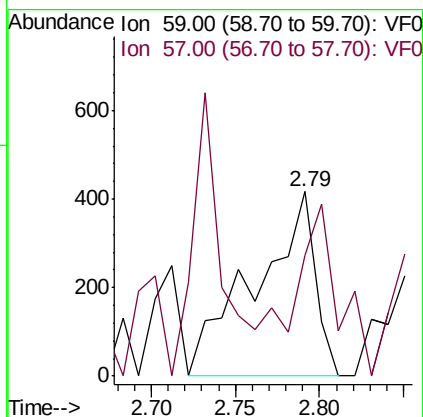
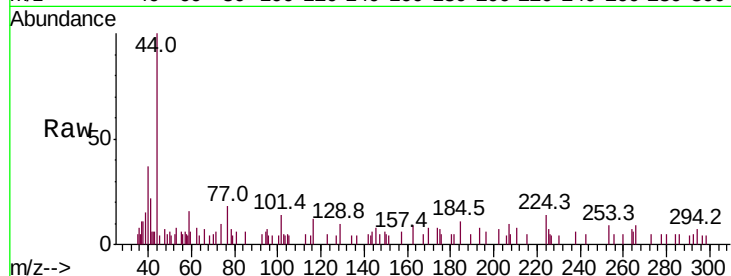


#11

Tert butyl alcohol
Concen: 8747.233 ug/l
RT: 2.79 min Scan# 229
Delta R.T. 0.07 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
0430-HR-10(HACKENSACK)

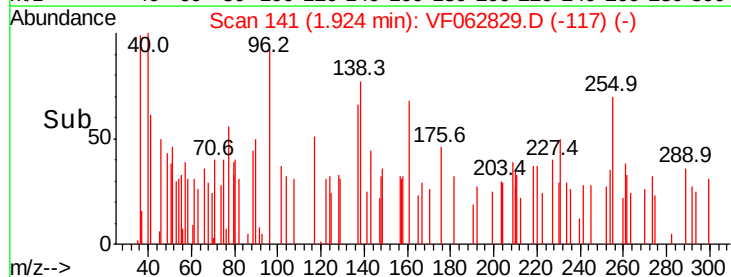
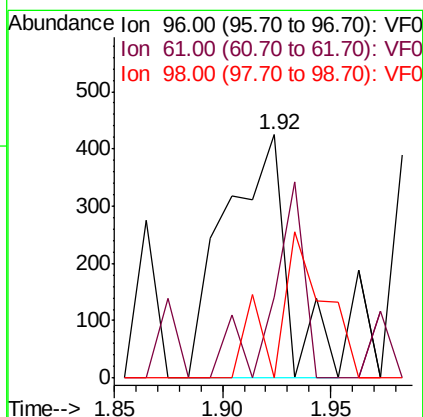
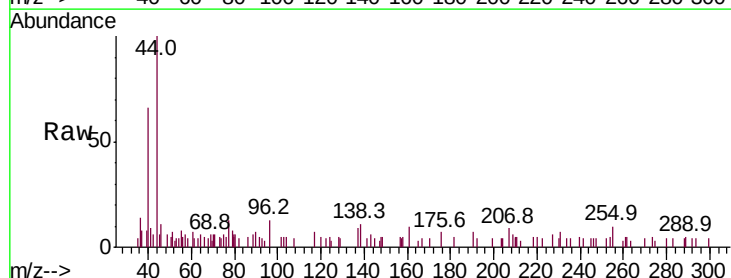
Tot Ion: 59 Resp: 1026
Ion Ratio Lower Upper
59 100
57 65.7 9.2 13.8#

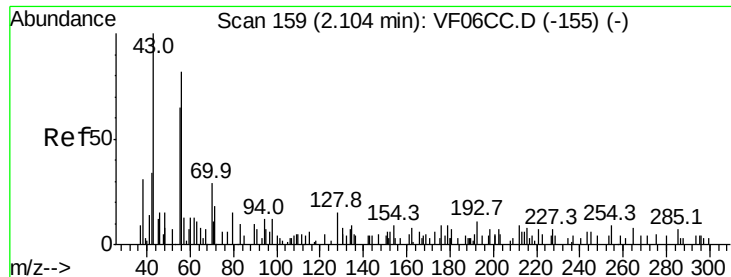


#12

1,1-Dichloroethene
Concen: 366.166 ug/l
RT: 1.92 min Scan# 141
Delta R.T. 0.03 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

Tgt Ion: 96 Resp: 852
Ion Ratio Lower Upper
96 100
61 33.4 139.4 209.2#
98 0.0 50.3 75.5#

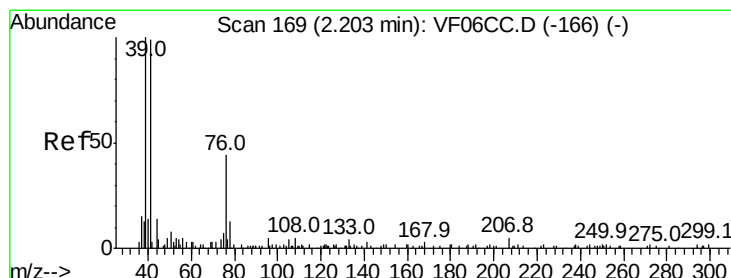
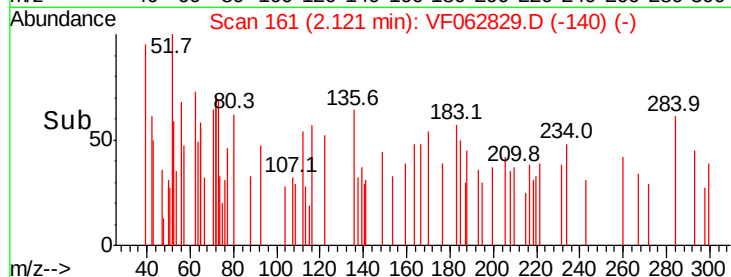
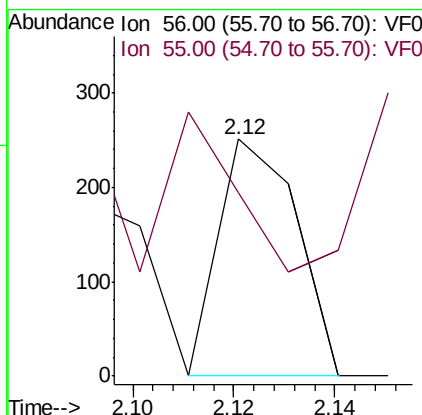
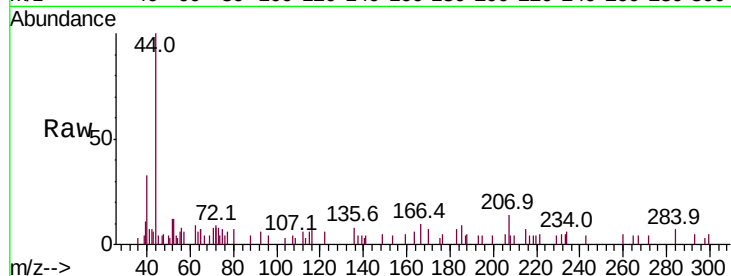




#13
Acrolein
Concen: 5926.521 ug/l
RT: 2.12 min Scan# 161
Delta R.T. 0.01 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

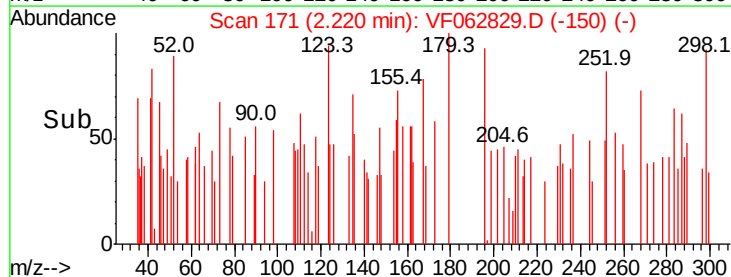
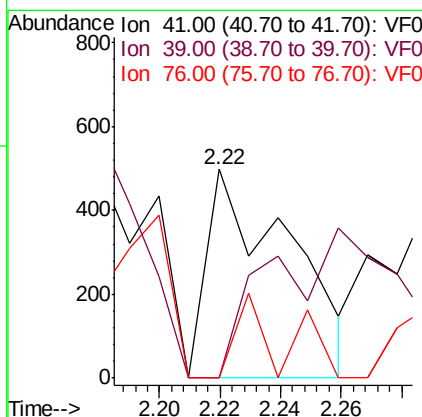
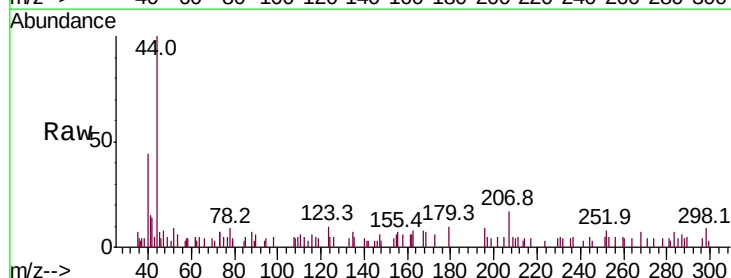
Instrument :
MSVOA_F
ClientSampleId :
0430-HR-10(HACKENSACK)

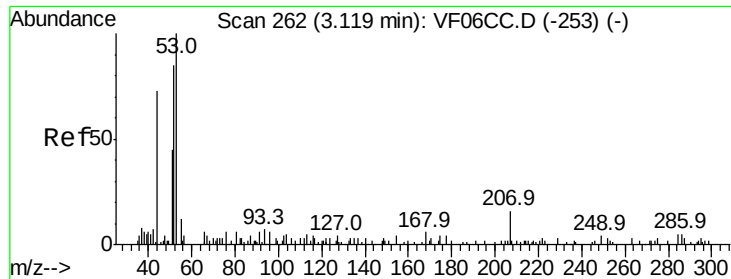
Tot Ion: 56 Resp: 269
Ion Ratio Lower Upper
56 100
55 77.3 52.9 79.3



#14
Allyl chloride
Concen: 527.940 ug/l
RT: 2.22 min Scan# 171
Delta R.T. 0.01 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

Tgt Ion: 41 Resp: 953
Ion Ratio Lower Upper
41 100
39 0.0 71.9 107.9#
76 0.0 39.6 59.4#





#15

Acrylonitrile

Concen: 723.779 ug/l

RT: 3.14 min Scan# 264

Delta R.T. 0.02 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

0430-HR-10(HACKENSACK)

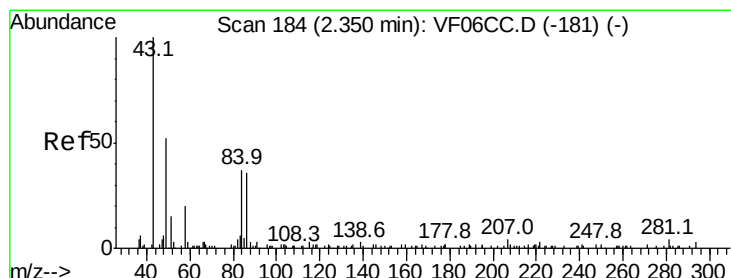
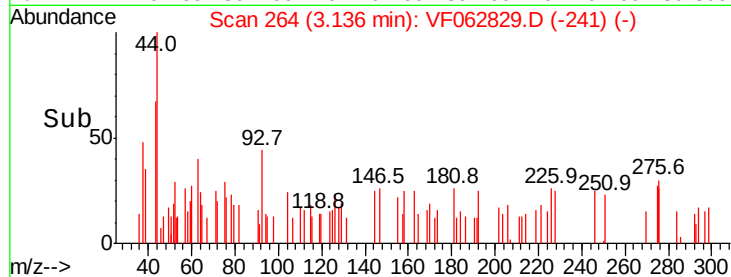
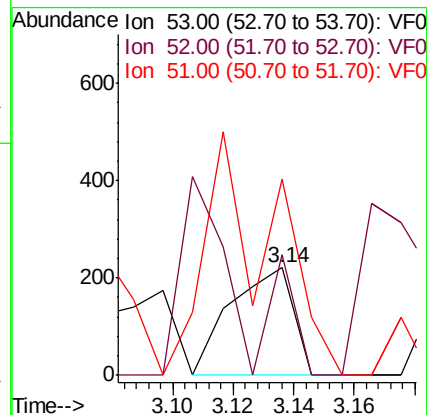
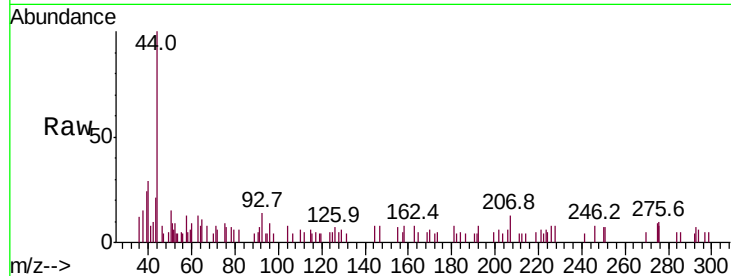
Tot Ion: 53 Resp: 319

Ion Ratio Lower Upper

53 100

52 111.8 68.1 102.1#

51 182.8 27.7 41.5#



#16

Acetone

Concen: 2558.915 ug/l

RT: 2.38 min Scan# 187

Delta R.T. 0.01 min

Lab File: VF062829.D

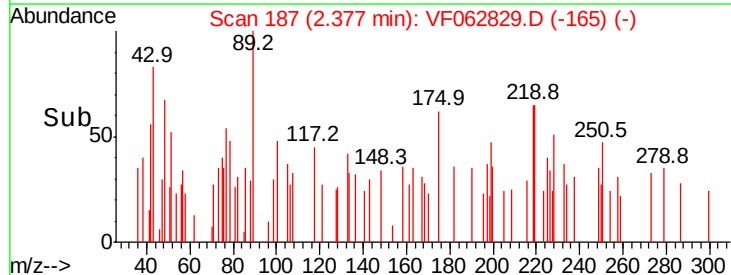
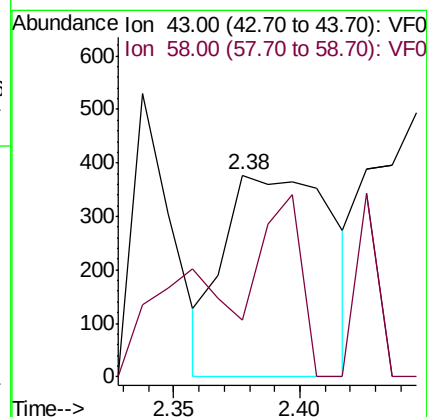
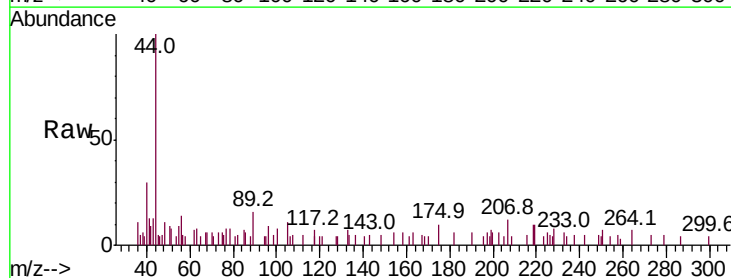
Acq: 3 Jun 2019 15:24

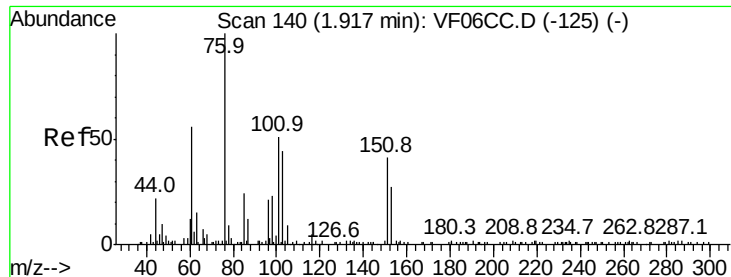
Tgt Ion: 43 Resp: 1134

Ion Ratio Lower Upper

43 100

58 28.1 19.0 28.4





#17

Carbon Disulfide

Concen: 103.372 ug/l

RT: 1.97 min Scan# 146

Delta R.T. 0.04 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

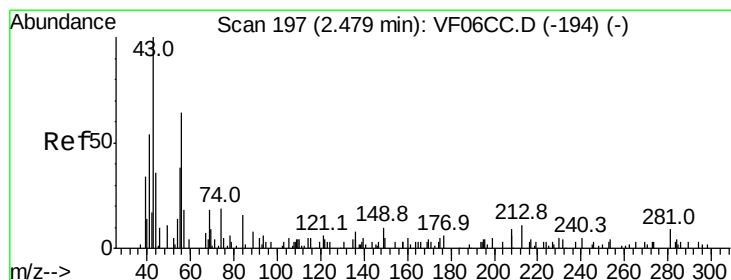
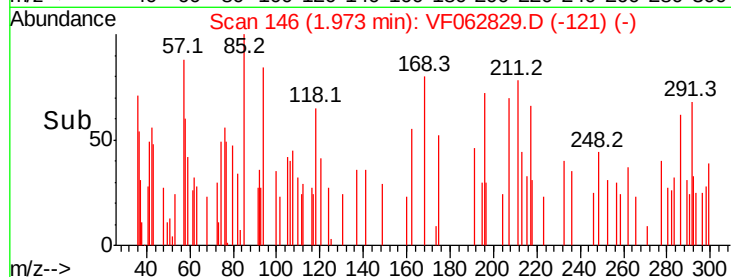
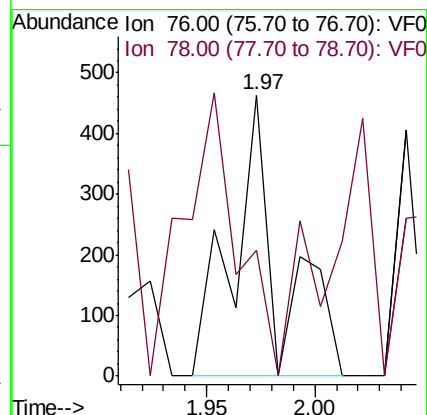
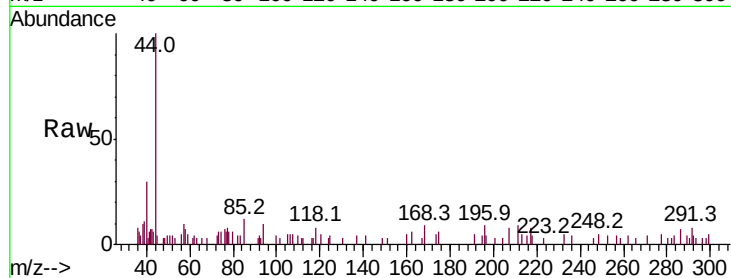
0430-HR-10(HACKENSACK)

Tot Ion: 76 Resp: 703

Ion Ratio Lower Upper

76 100

78 44.7 9.4 14.2#



#18

Methyl Acetate

Concen: 511.355 ug/l

RT: 2.53 min Scan# 202

Delta R.T. 0.04 min

Lab File: VF062829.D

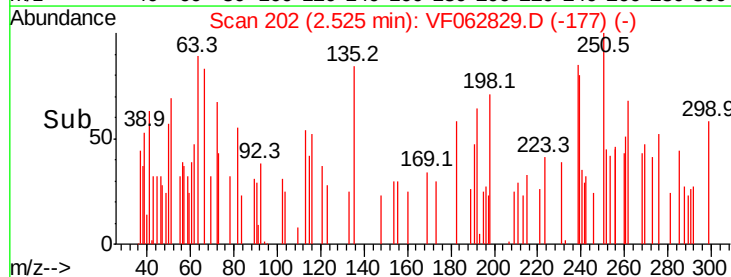
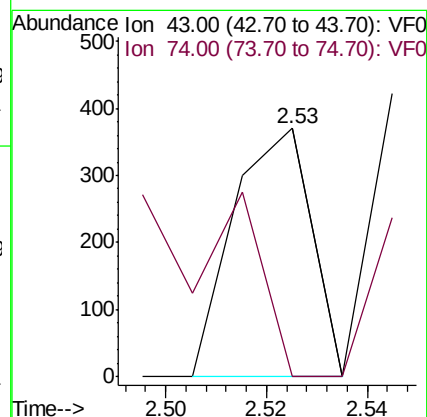
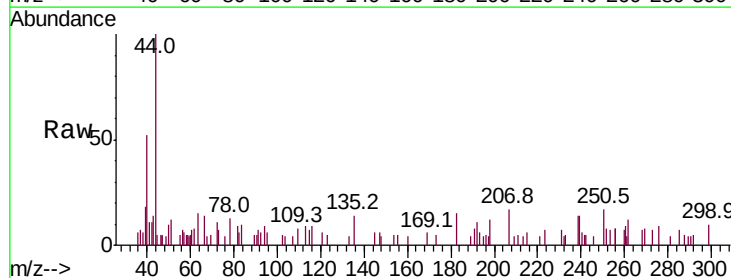
Acq: 3 Jun 2019 15:24

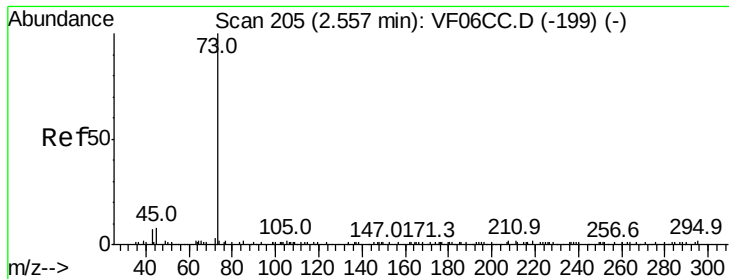
Tgt Ion: 43 Resp: 396

Ion Ratio Lower Upper

43 100

74 0.0 22.1 33.1#

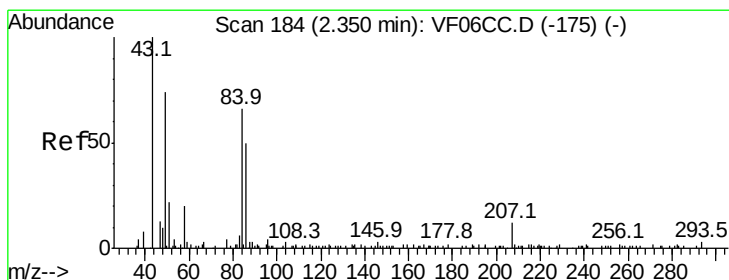
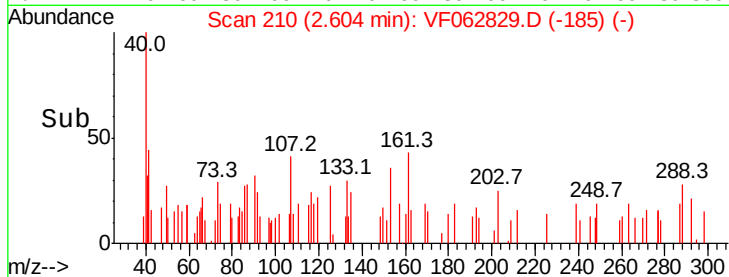
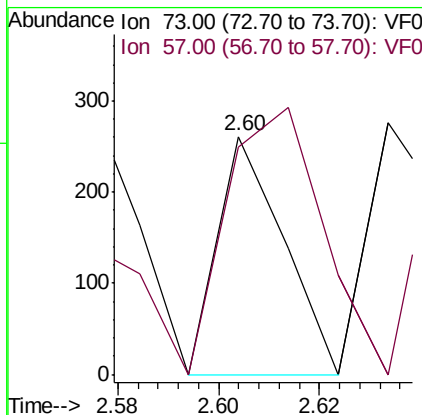




#19
Methyl tert-butyl Ether
Concen: 55.983 ug/l
RT: 2.60 min Scan# 210
Delta R.T. 0.04 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

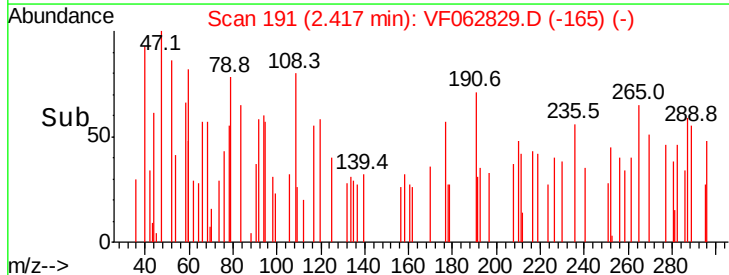
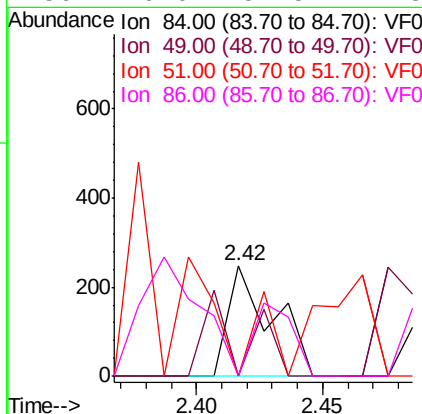
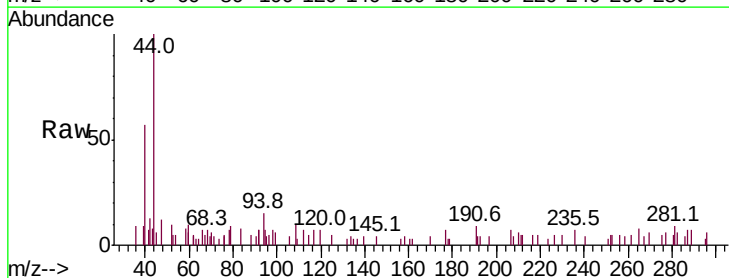
Instrument :
MSVOA_F
ClientSampleId :
0430-HR-10(HACKENSACK)

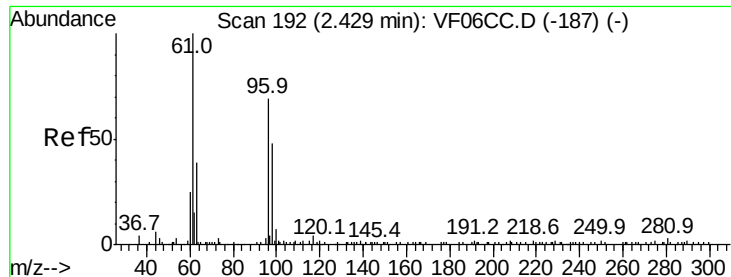
Tot Ion: 73 Resp: 236
Ion Ratio Lower Upper
73 100
57 95.4 15.1 22.7#



#20
Methylene Chloride
Concen: 142.514 ug/l
RT: 2.42 min Scan# 191
Delta R.T. 0.05 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

Tgt Ion: 84 Resp: 304
Ion Ratio Lower Upper
84 100
49 0.0 82.6 123.8#
51 0.0 25.0 37.4#
86 0.0 51.5 77.3#





#21

trans-1,2-Dichloroethene

Concen: 357.053 ug/l

RT: 2.46 min Scan# 195

Delta R.T. 0.01 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

0430-HR-10(HACKENSACK)

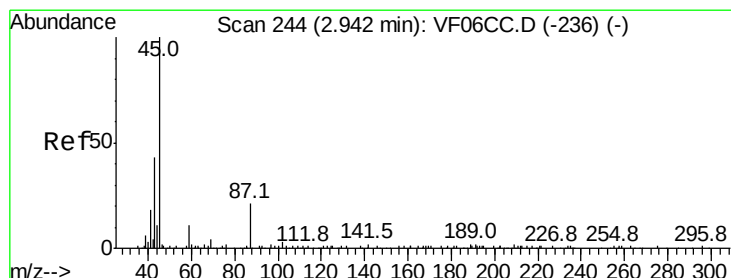
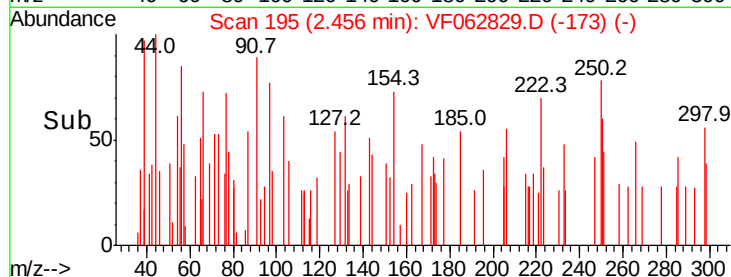
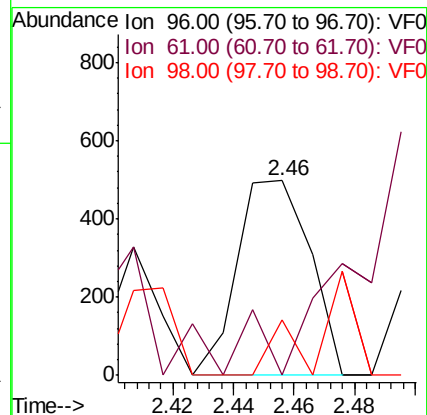
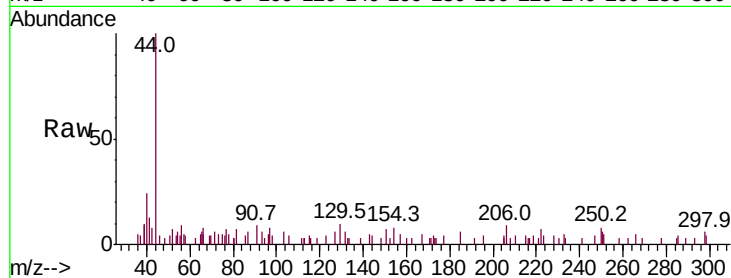
Tot Ion: 96 Resp: 833

Ion Ratio Lower Upper

96 100

61 0.0 105.0 157.6#

98 28.3 51.1 76.7#



#22

Diisopropyl ether

Concen: 93.204 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.06 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Tgt Ion: 45 Resp: 478

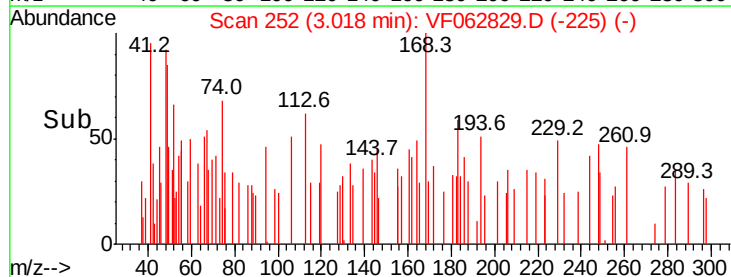
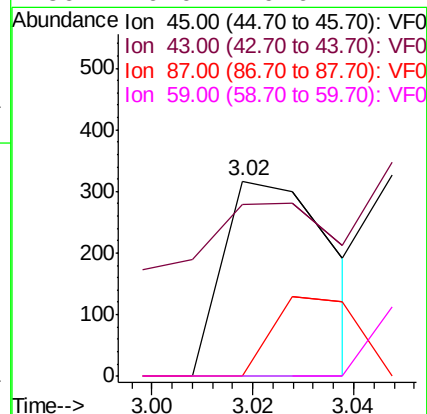
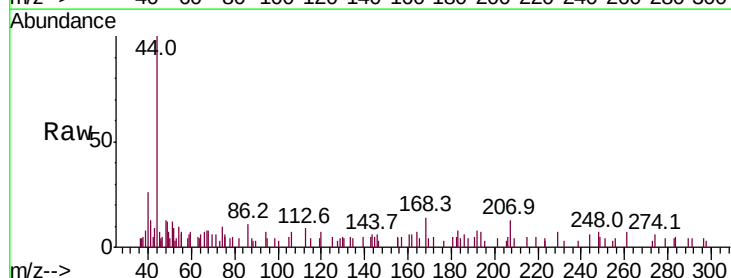
Ion Ratio Lower Upper

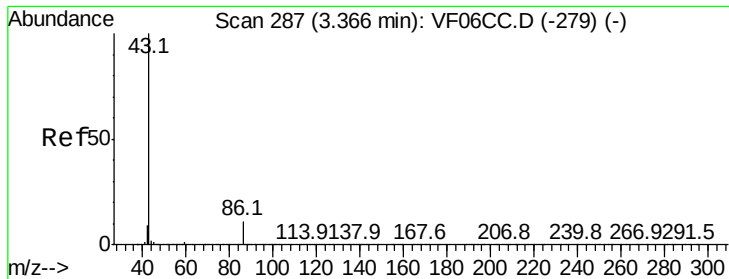
45 100

43 88.0 34.3 51.5#

87 0.0 19.0 28.4#

59 0.0 9.6 14.4#

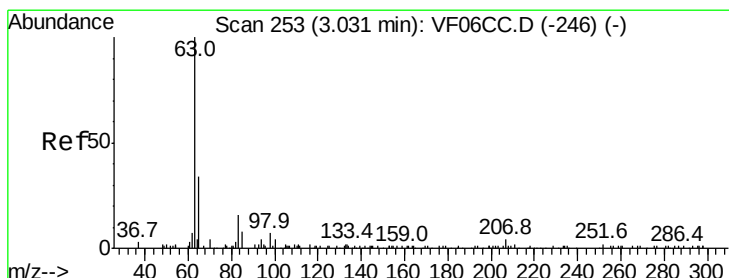
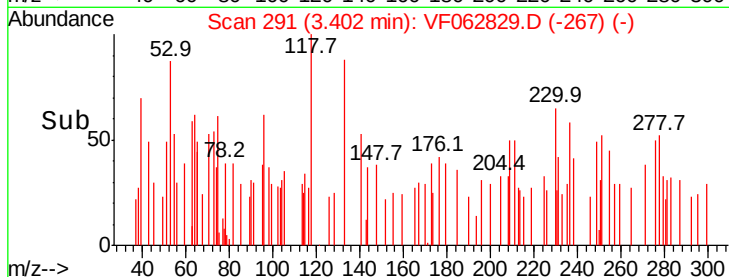
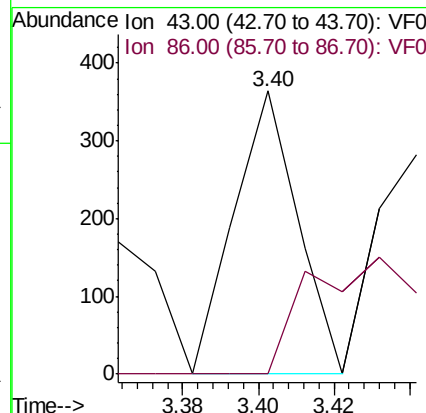
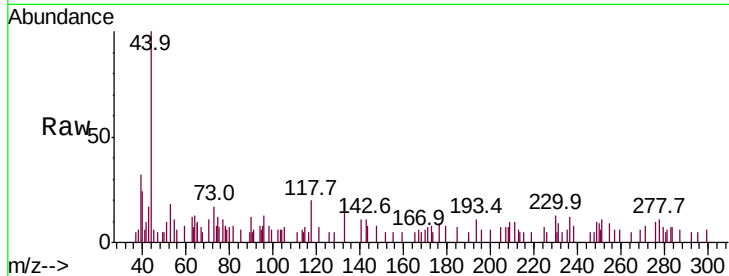




#23
 Vinyl Acetate
 Concen: 120.477 ug/l
 RT: 3.40 min Scan# 291
 Delta R.T. 0.03 min
 Lab File: VF062829.D
 Acq: 3 Jun 2019 15:24

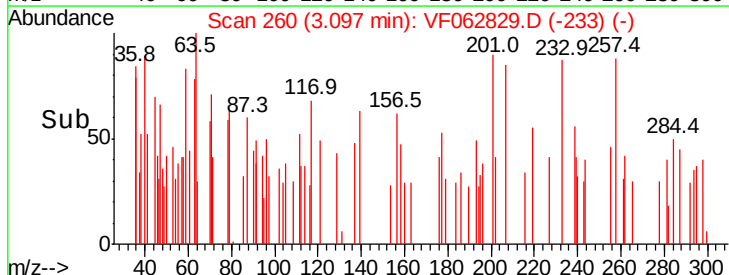
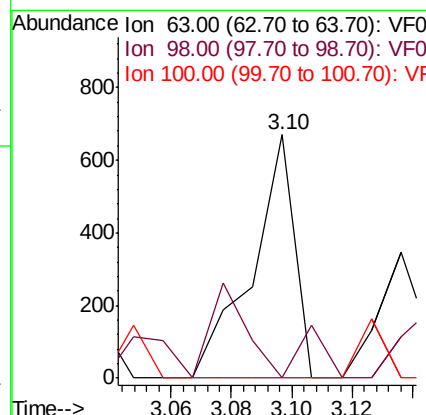
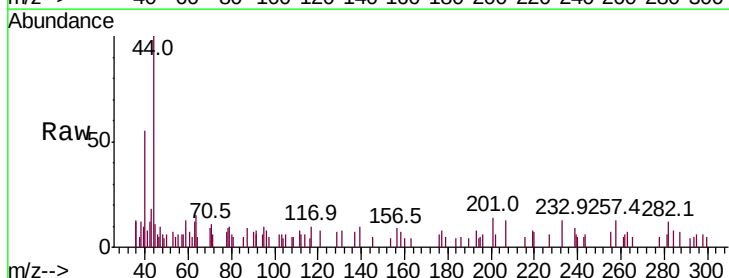
Instrument :
 MSVOA_F
 ClientSampleId :
 0430-HR-10(HACKENSACK)

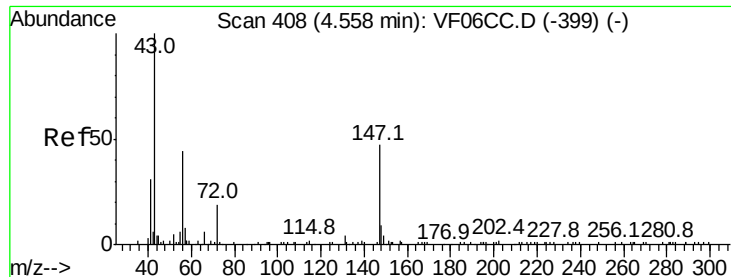
Tot Ion: 43 Resp: 423
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.2#



#24
 1,1-Dichloroethane
 Concen: 171.055 ug/l
 RT: 3.10 min Scan# 260
 Delta R.T. 0.06 min
 Lab File: VF062829.D
 Acq: 3 Jun 2019 15:24

Tgt Ion: 63 Resp: 655
 Ion Ratio Lower Upper
 63 100
 98 0.0 2.4 7.1#
 100 0.0 1.5 4.5#

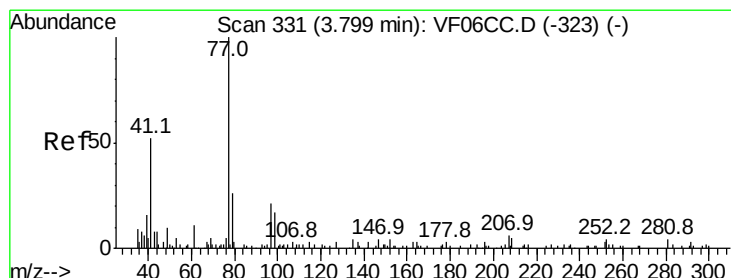
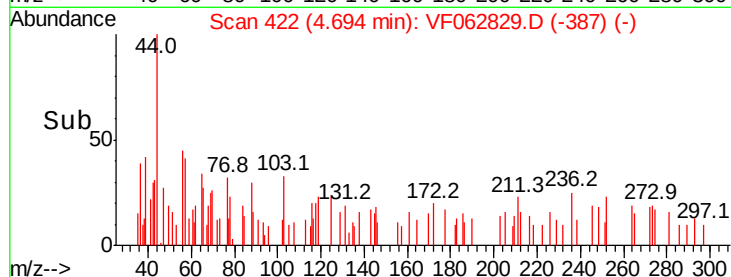
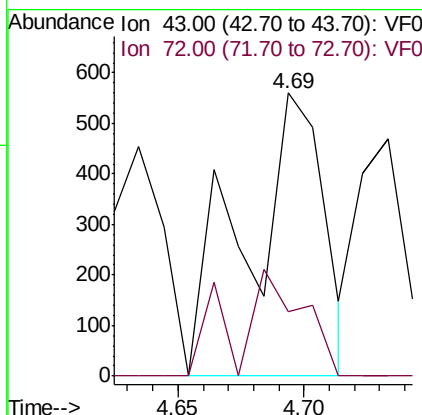
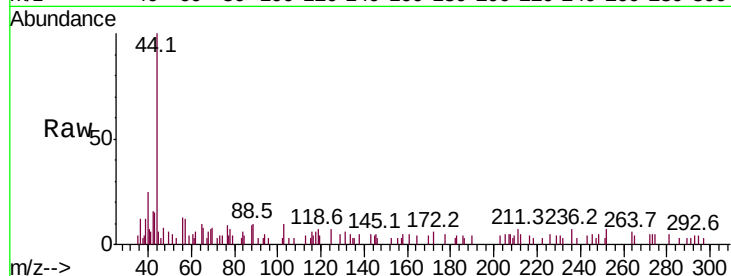




#25
2-Butanone
Concen: 1159.870 ug/l
RT: 4.69 min Scan# 422
Delta R.T. 0.14 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

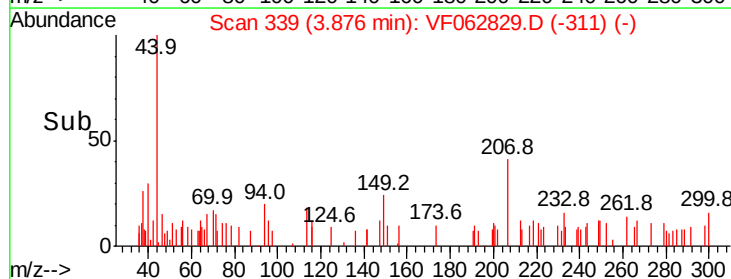
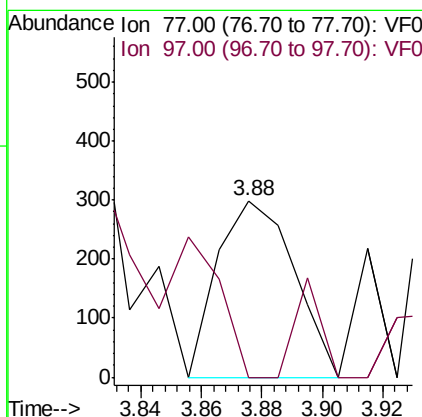
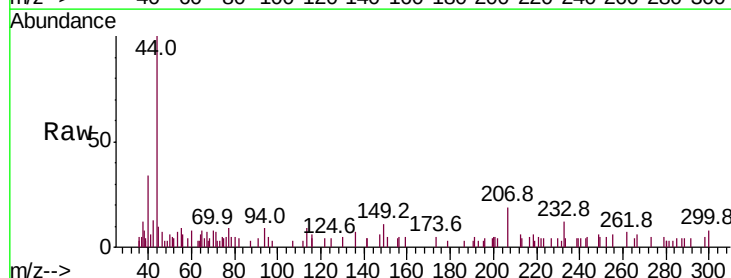
Instrument :
MSVOA_F
ClientSampleId :
0430-HR-10(HACKENSACK)

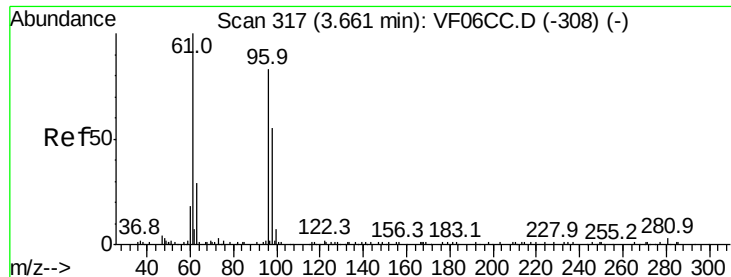
Tot Ion: 43 Resp: 1197
Ion Ratio Lower Upper
43 100
72 22.7 21.4 32.0



#26
2,2-Dichloropropane
Concen: 243.306 ug/l
RT: 3.88 min Scan# 339
Delta R.T. 0.07 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

Tgt Ion: 77 Resp: 529
Ion Ratio Lower Upper
77 100
97 35.1 12.4 37.4



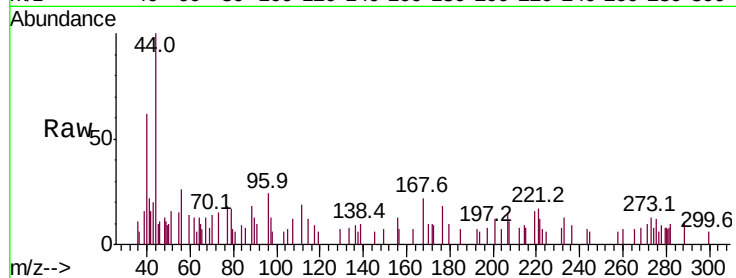


#27

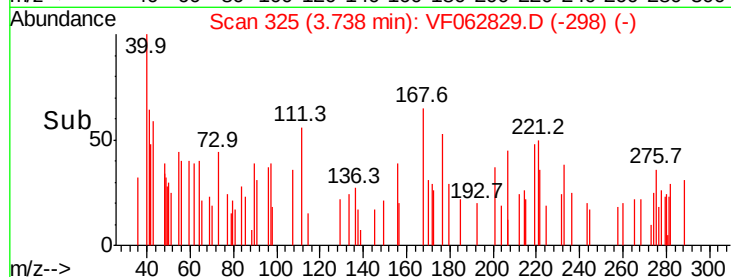
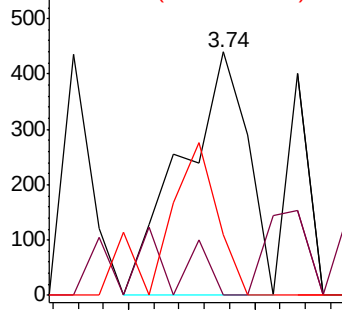
cis-1,2-Dichloroethene
Concen: 203.998 ug/l
RT: 3.74 min Scan# 325
Delta R.T. 0.06 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
0430-HR-10(HACKENSACK)

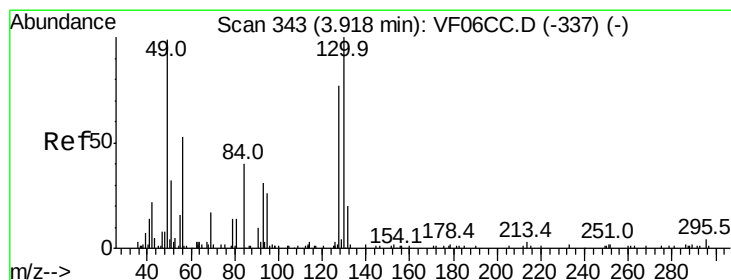
Tot Ion: 96 Resp: 800
Ion Ratio Lower Upper
96 100
61 0.0 0.0 213.8
98 24.8 0.0 127.0



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



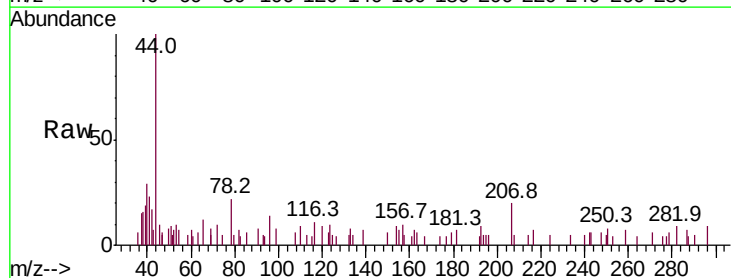
Time-->



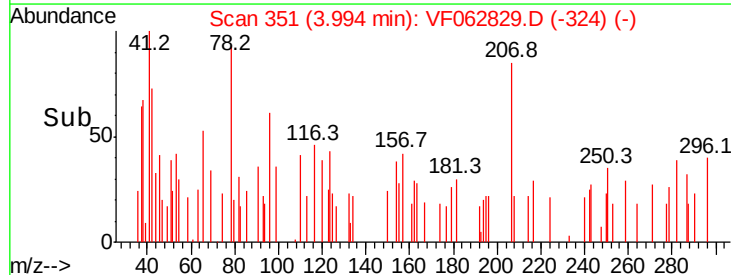
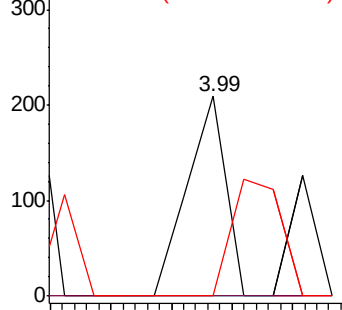
#28

Bromochloromethane
Concen: 88.819 ug/l
RT: 3.99 min Scan# 351
Delta R.T. 0.06 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

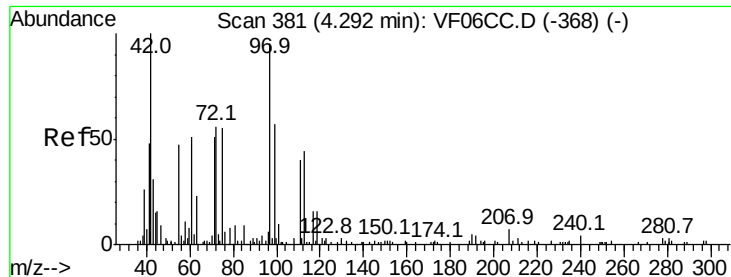
Tgt Ion: 49 Resp: 185
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.4
130 0.0 79.2 118.8#



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



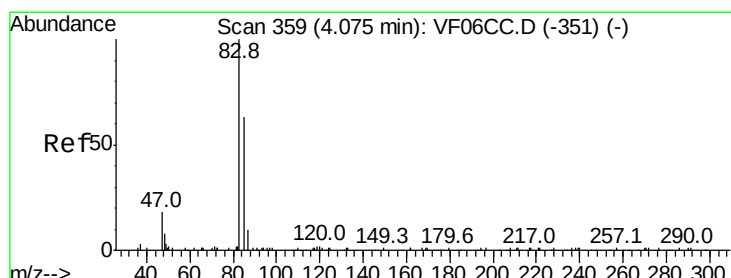
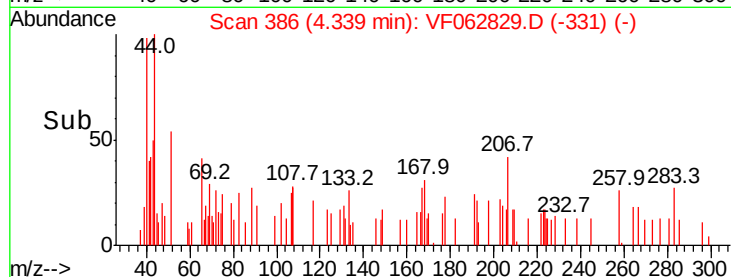
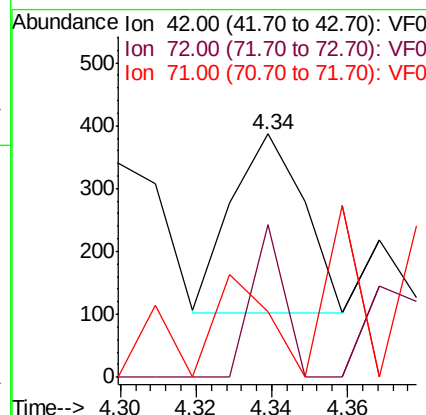
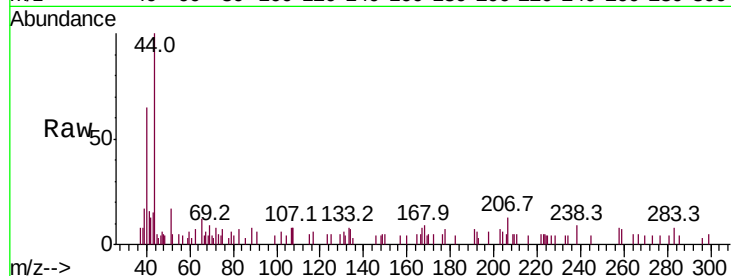
Time-->



#29
Tetrahydrofuran
Concen: 955.118 ug/l
RT: 4.34 min Scan# 386
Delta R.T. 0.04 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

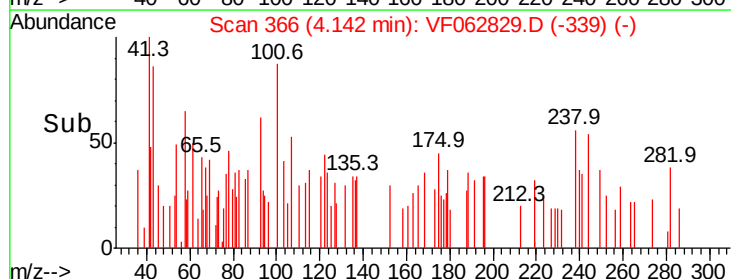
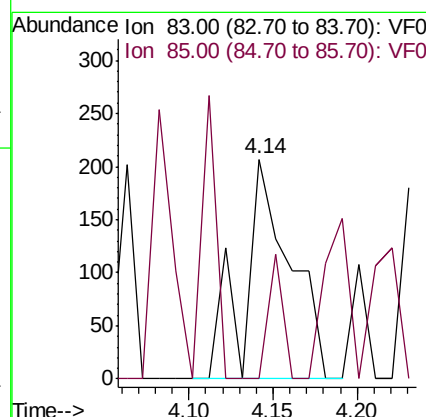
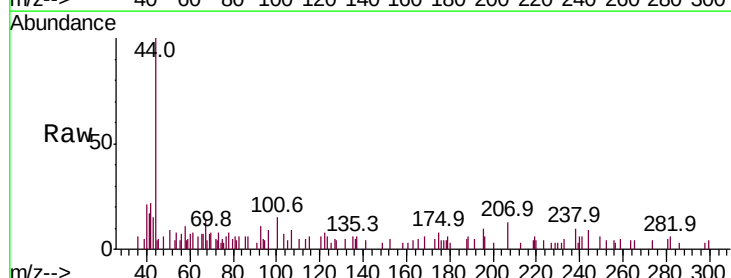
Instrument :
MSVOA_F
ClientSampleId :
0430-HR-10(HACKENSACK)

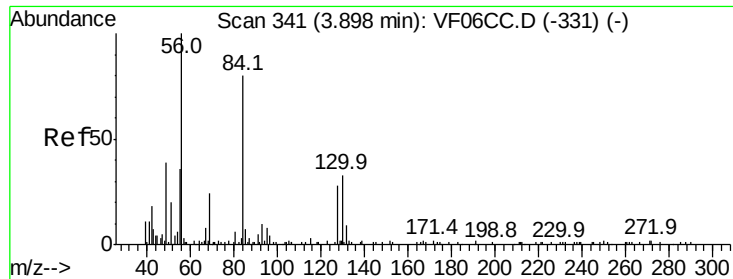
Tot Ion: 42 Resp: 377
Ion Ratio Lower Upper
42 100
72 38.2 39.0 58.6#
71 60.2 36.9 55.3#



#30
Chloroform
Concen: 73.007 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.06 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

Tgt Ion: 83 Resp: 394
Ion Ratio Lower Upper
83 100
85 0.0 55.0 82.6#

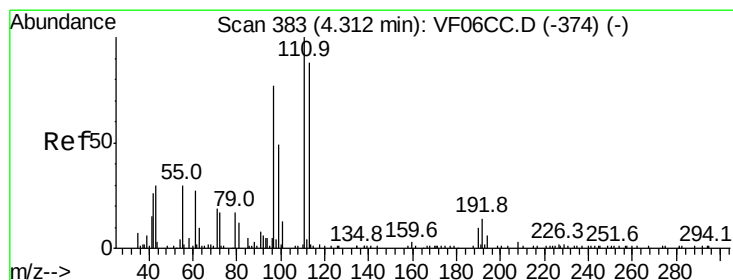
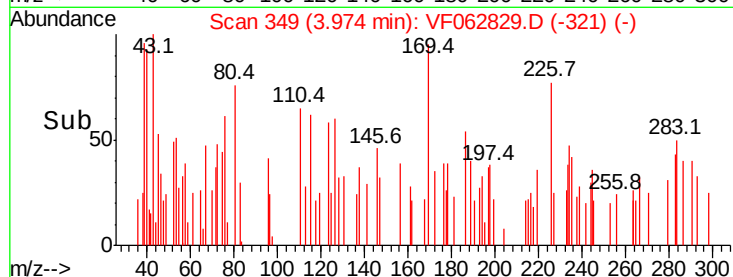
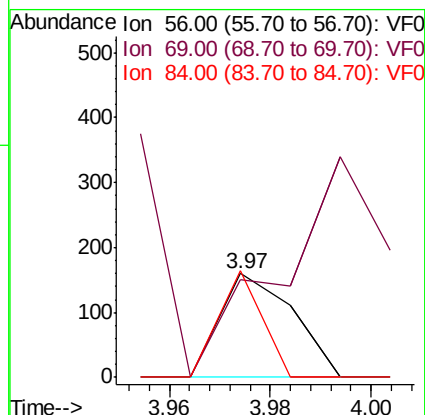
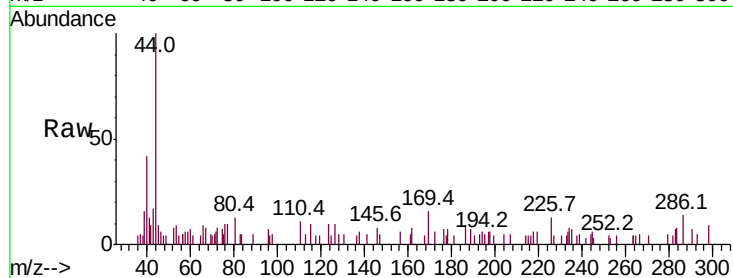




#31
Cyclohexane
Concen: 31.056 ug/l
RT: 3.97 min Scan# 349
Delta R.T. 0.07 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

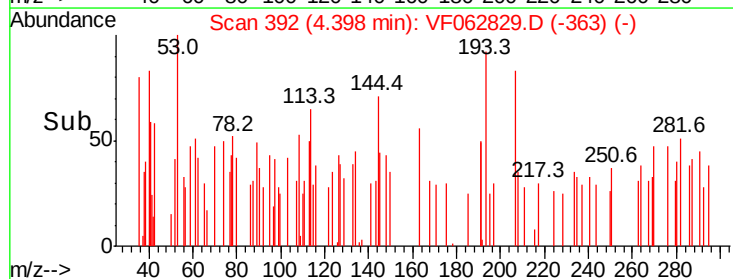
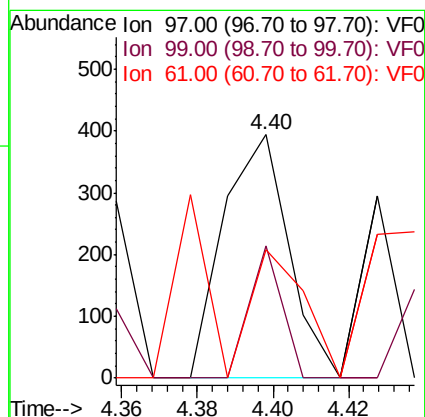
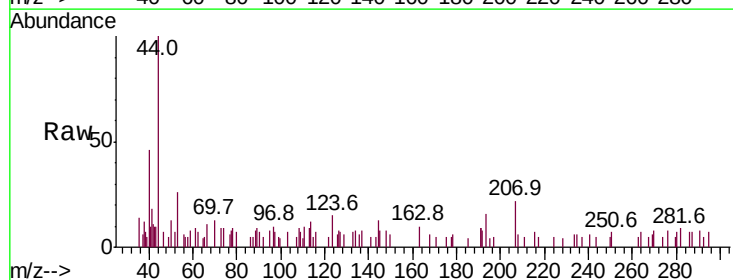
Instrument :
MSVOA_F
ClientSampleId :
0430-HR-10(HACKENSACK)

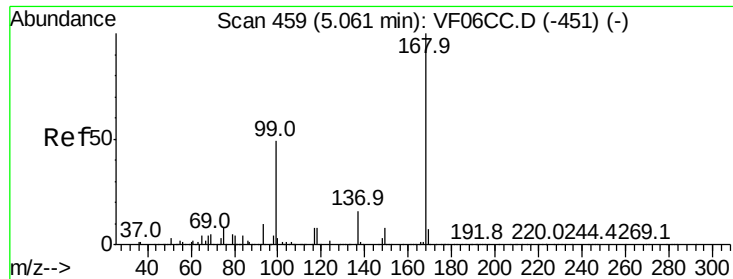
Tot Ion: 56 Resp: 161
Ion Ratio Lower Upper
56 100
69 46.6 26.7 40.1#
84 50.6 74.3 111.5#



#32
1,1,1-Trichloroethane
Concen: 148.944 ug/l
RT: 4.40 min Scan# 392
Delta R.T. 0.08 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

Tgt Ion: 97 Resp: 468
Ion Ratio Lower Upper
97 100
99 54.3 51.7 77.5
61 52.5 38.9 58.3

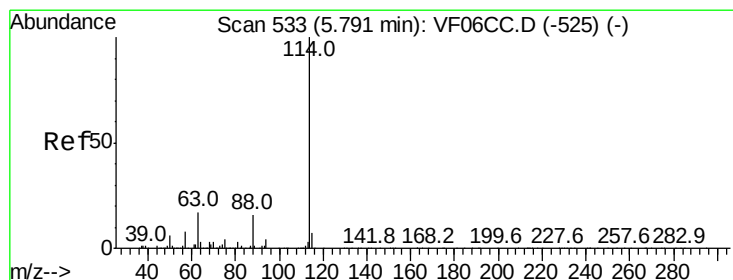
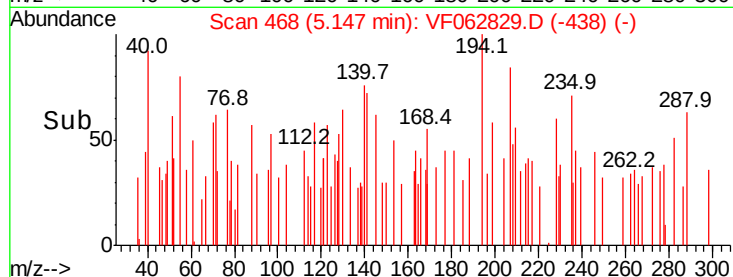
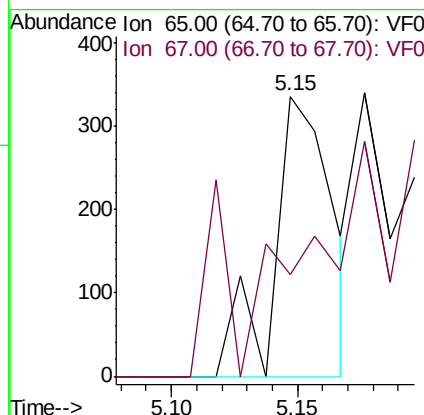
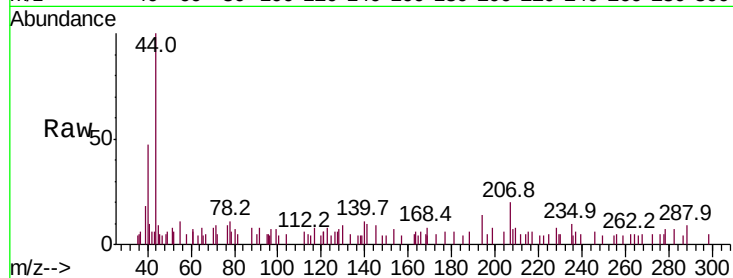




#33
 1,2-Dichloroethane-d4
 Concen: 279.927 ug/l
 RT: 5.15 min Scan# 468
 Delta R.T. 0.09 min
 Lab File: VF062829.D
 Acq: 3 Jun 2019 15:24

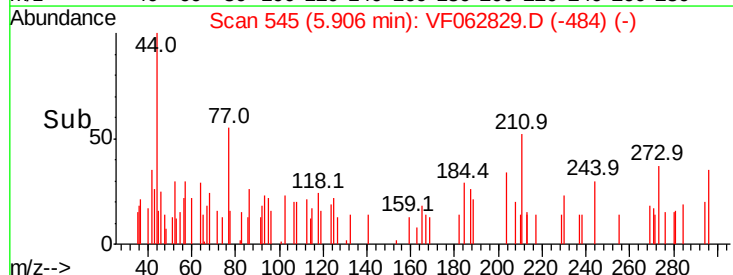
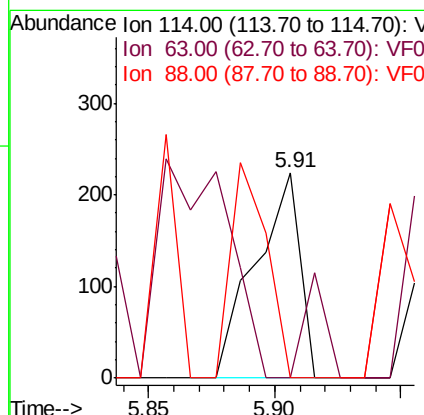
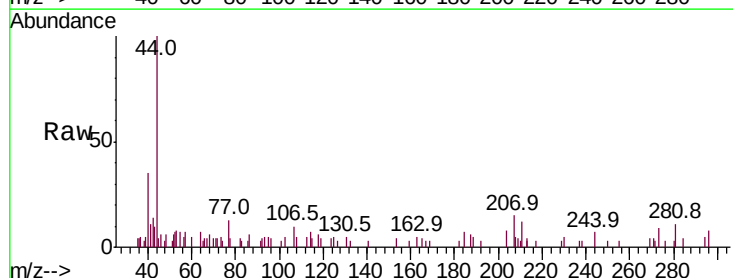
Instrument :
 MSVOA_F
 ClientSampleId :
 0430-HR-10(HACKENSACK)

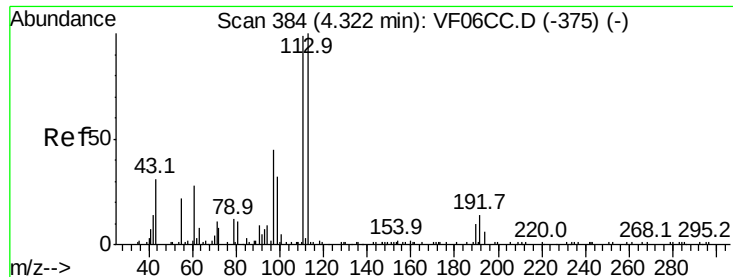
Tot Ion: 65 Resp: 542
 Ion Ratio Lower Upper
 65 100
 67 36.4 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.91 min Scan# 545
 Delta R.T. 0.10 min
 Lab File: VF062829.D
 Acq: 3 Jun 2019 15:24

Tgt Ion: 114 Resp: 277
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 34.2
 88 0.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 162.434 ug/l

RT: 4.40 min Scan# 392

Delta R.T. 0.06 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

0430-HR-10(HACKENSACK)

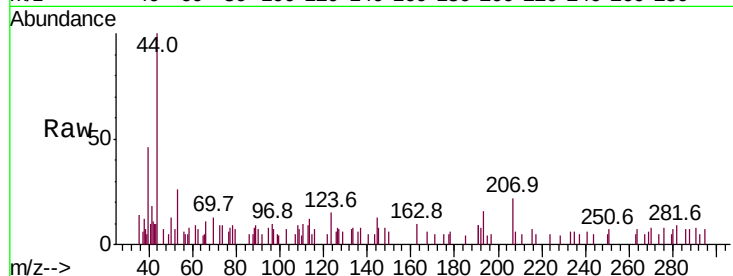
Tot Ion:113 Resp: 340

Ion Ratio Lower Upper

113 100

111 49.5 81.9 122.9#

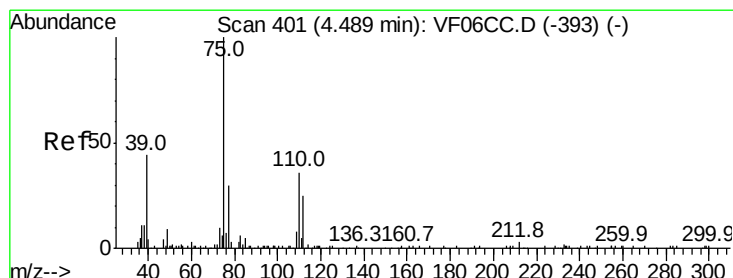
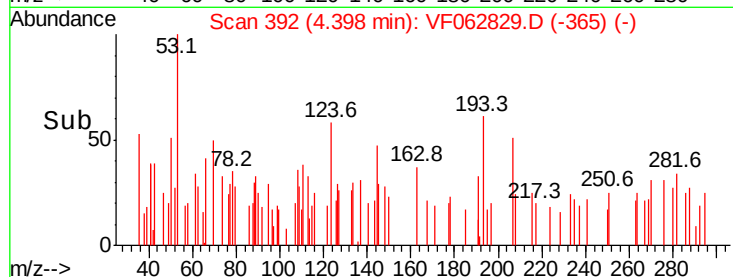
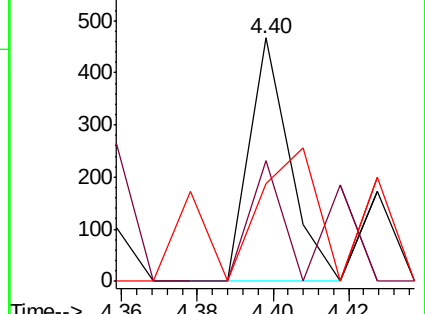
192 40.3 15.1 22.7#



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



#36

1,1-Dichloropropene

Concen: 393.719 ug/l

RT: 4.62 min Scan# 415

Delta R.T. 0.12 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

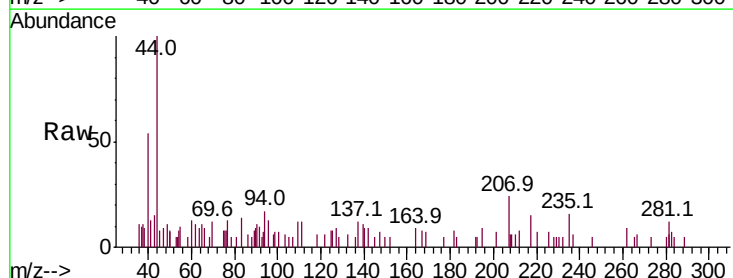
Tgt Ion: 75 Resp: 1004

Ion Ratio Lower Upper

75 100

110 0.0 19.4 58.1#

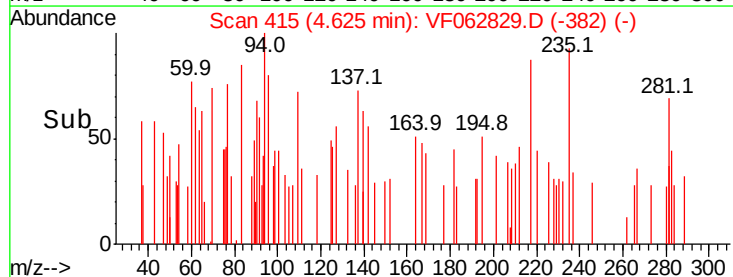
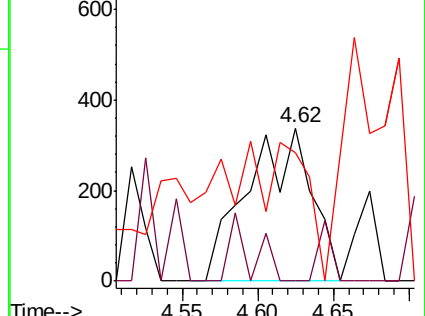
77 83.7 25.4 38.2#

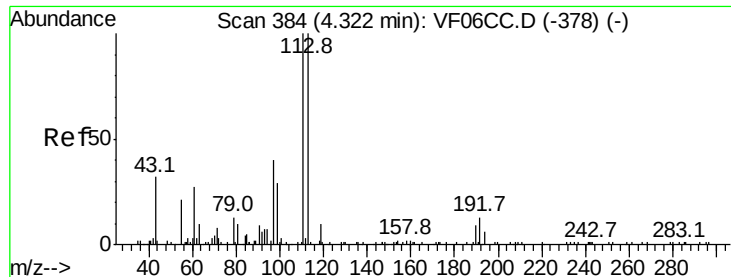


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

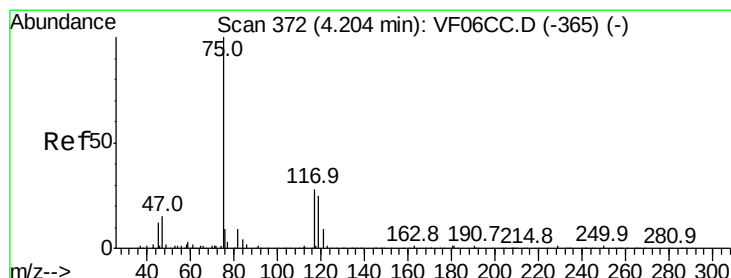
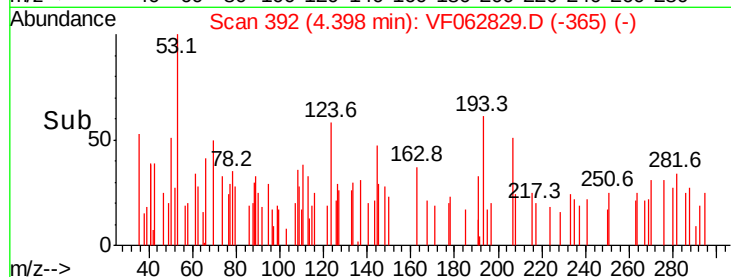
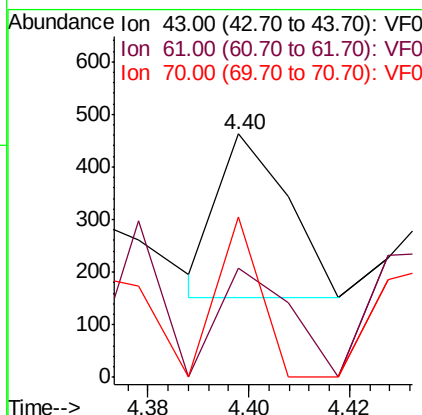
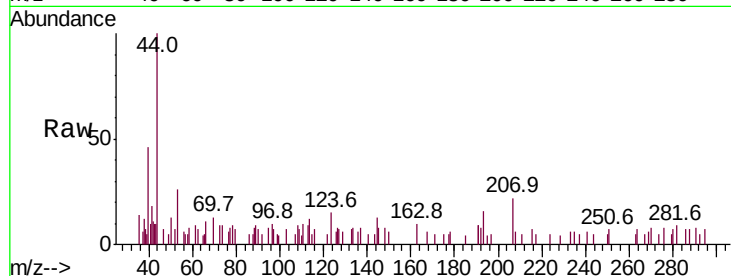




#37
Ethyl Acetate
Concen: 304.681 ug/l
RT: 4.40 min Scan# 392
Delta R.T. 0.06 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

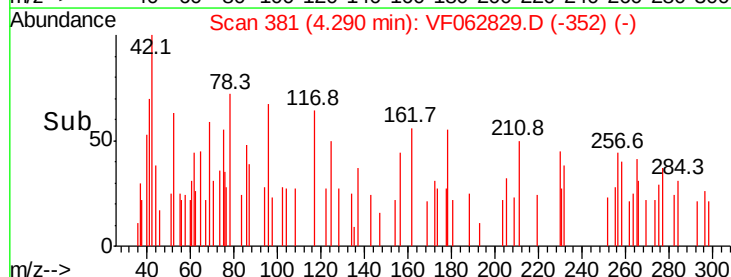
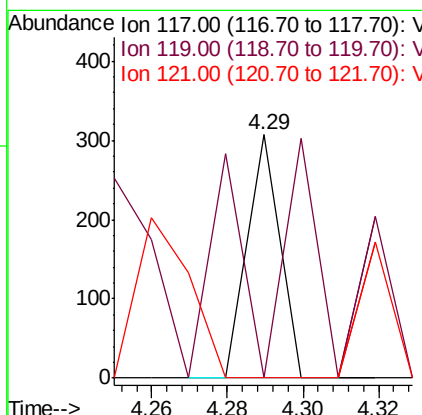
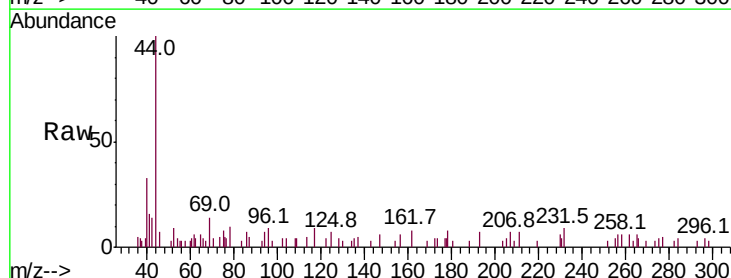
Instrument :
MSVOA_F
ClientSampleId :
0430-HR-10(HACKENSACK)

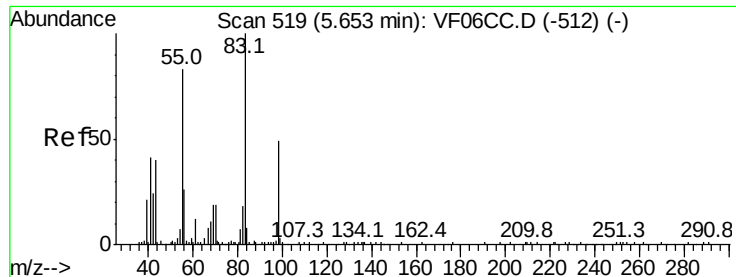
Tot Ion: 43 Resp: 297
Ion Ratio Lower Upper
43 100
61 44.7 59.1 88.7#
70 66.1 10.1 15.1#



#38
Carbon Tetrachloride
Concen: 105.604 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.08 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

Tgt Ion: 117 Resp: 182
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 0.0 28.2 42.2#

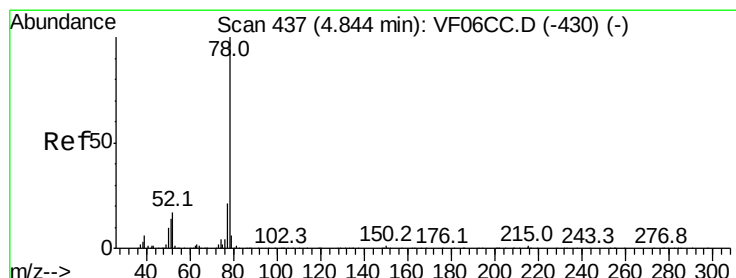
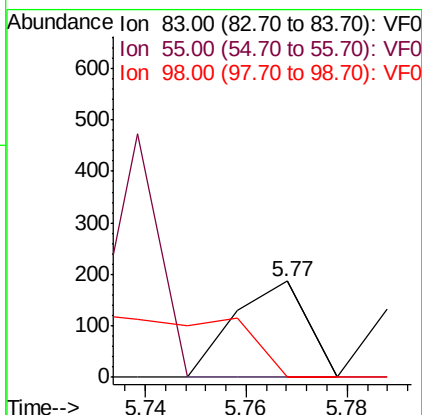
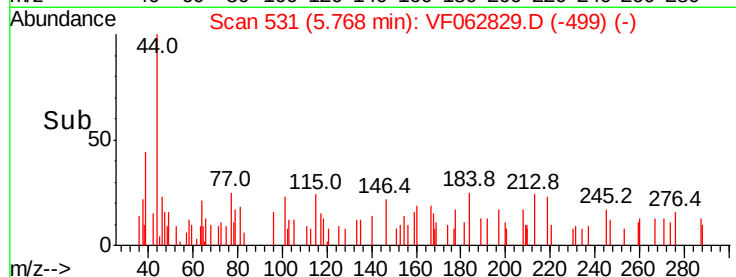
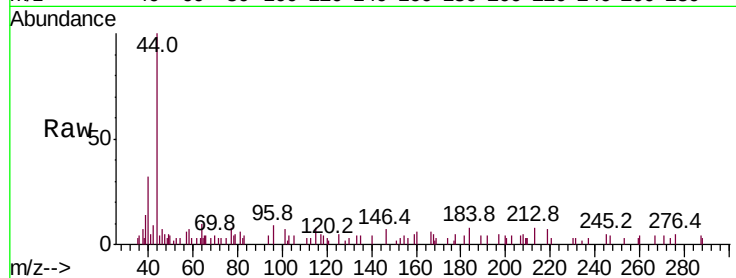




#39
Methylcyclohexane
Concen: 58.921 ug/l
RT: 5.77 min Scan# 531
Delta R.T. 0.11 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

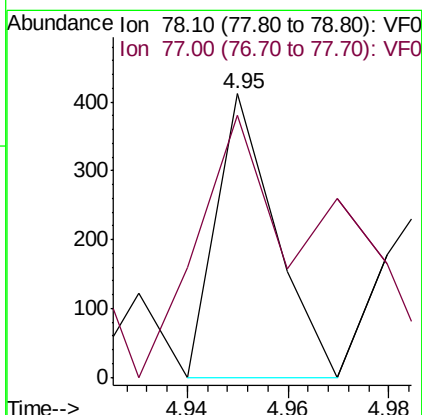
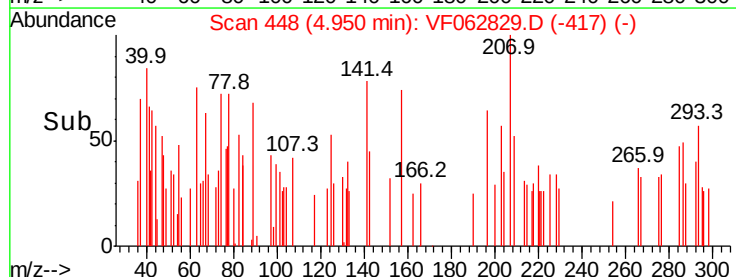
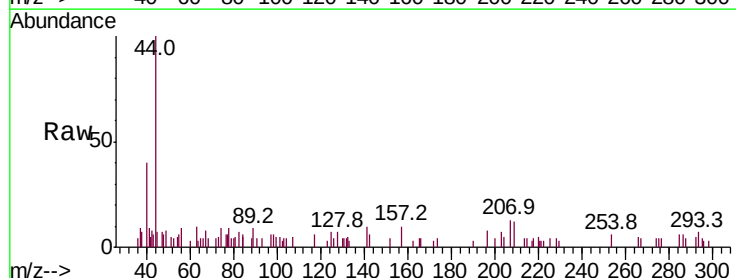
Instrument :
MSVOA_F
ClientSampleId :
0430-HR-10(HACKENSACK)

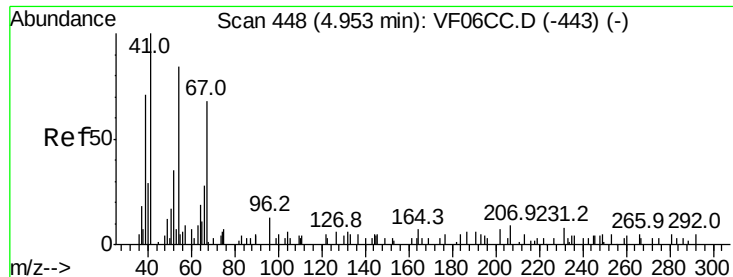
Tot Ion: 83 Resp: 187
Ion Ratio Lower Upper
83 100
55 0.0 61.6 92.4#
98 0.0 37.4 56.2#



#40
Benzene
Concen: 45.004 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.10 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

Tgt Ion: 78 Resp: 334
Ion Ratio Lower Upper
78 100
77 92.5 18.9 28.3#

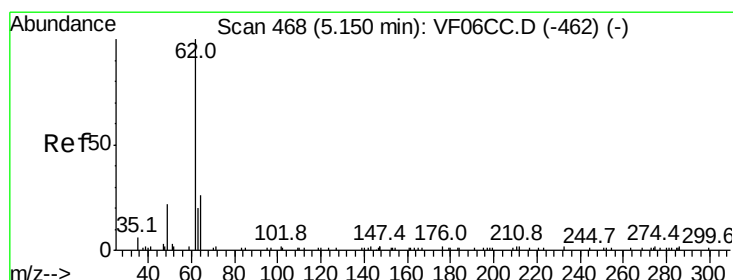
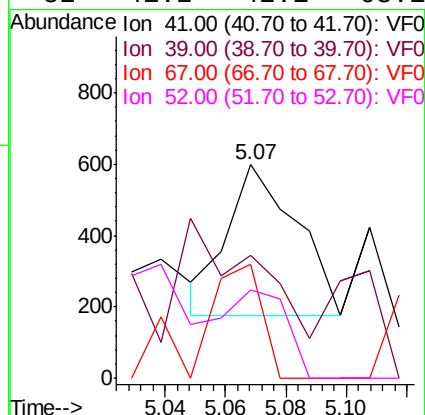
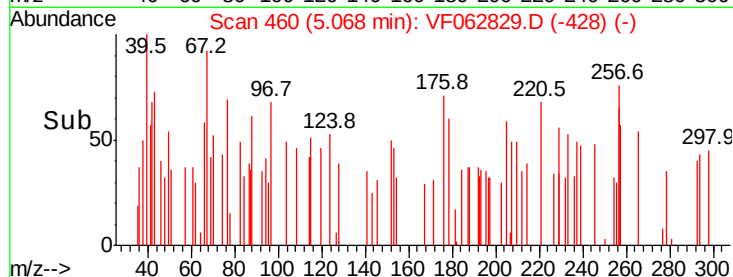
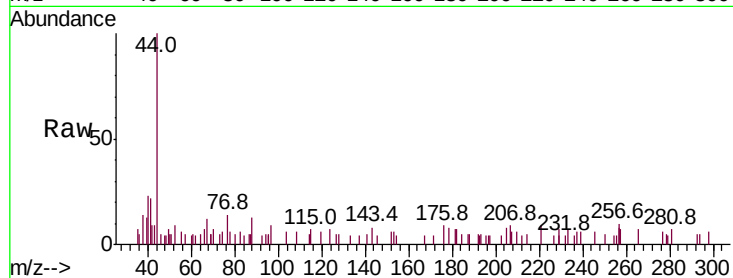




#41
Methacrylonitrile
Concen: 1236.377 ug/l
RT: 5.07 min Scan# 460
Delta R.T. 0.11 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

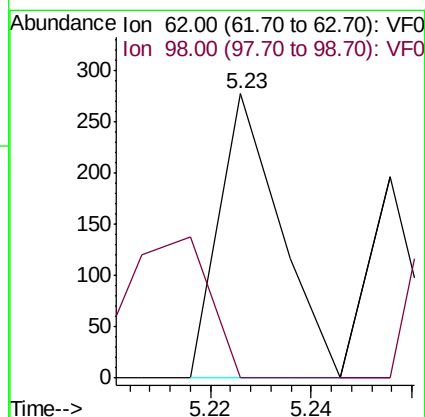
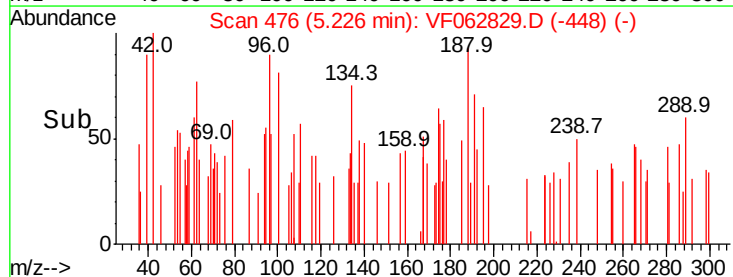
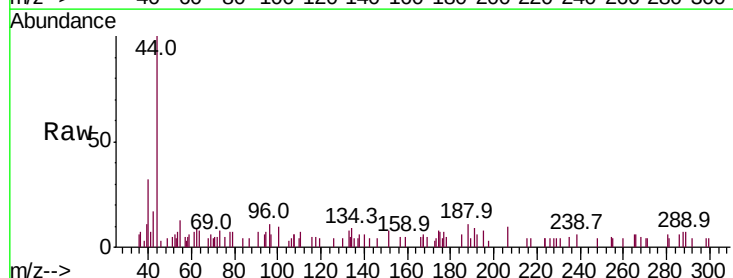
Instrument :
MSVOA_F
ClientSampleId :
0430-HR-10(HACKENSACK)

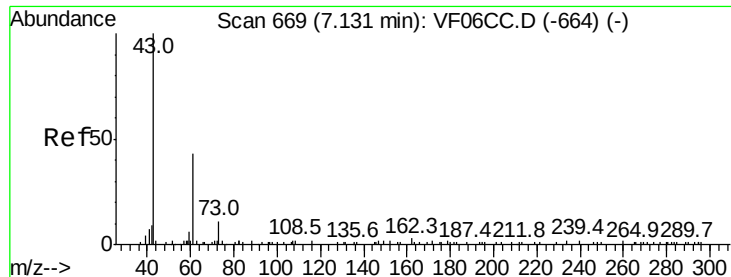
Tot Ion: 41 Resp: 670
Ion Ratio Lower Upper
41 100
39 57.6 42.0 63.0
67 53.3 61.4 92.0#
52 41.2 42.1 63.1#



#42
1,2-Dichloroethane
Concen: 165.070 ug/l
RT: 5.23 min Scan# 476
Delta R.T. 0.07 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

Tgt Ion: 62 Resp: 233
Ion Ratio Lower Upper
62 100
98 0.0 0.0 24.0





#43

Isopropyl Acetate

Concen: 251.610 ug/l

RT: 7.25 min Scan# 681

Delta R.T. 0.11 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

0430-HR-10(HACKENSACK)

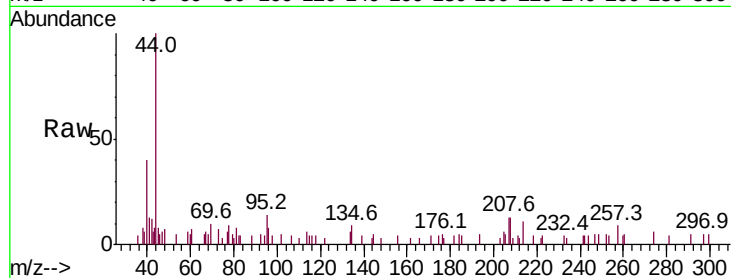
Tot Ion: 43 Resp: 324

Ion Ratio Lower Upper

43 100

61 0.0 29.8 44.6#

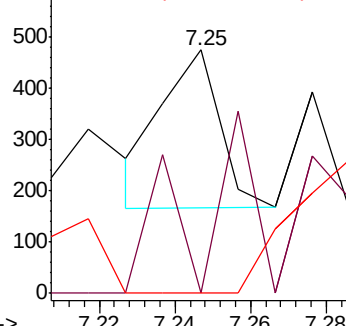
87 0.0 0.3 0.5#



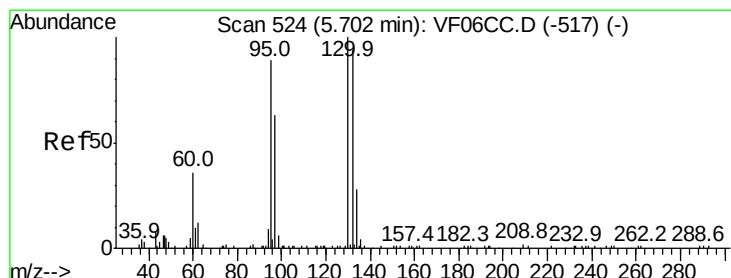
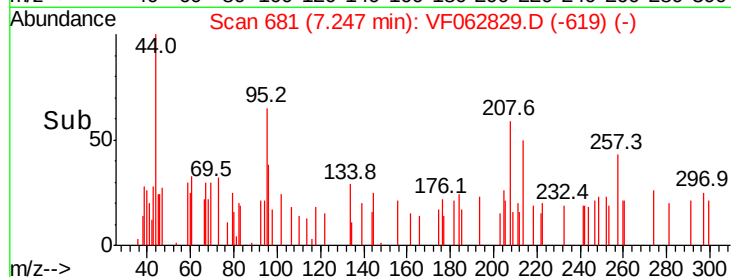
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



Time-->



#44

Trichloroethene

Concen: 88.803 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.07 min

Lab File: VF062829.D

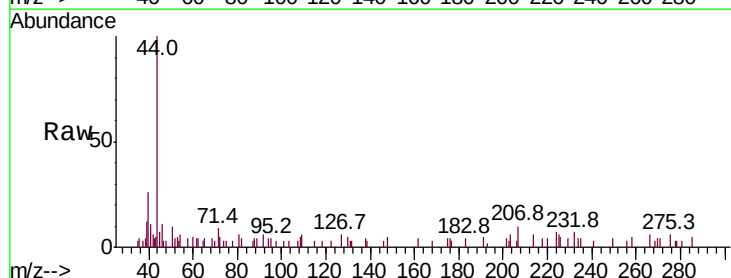
Acq: 3 Jun 2019 15:24

Tgt Ion:130 Resp: 186

Ion Ratio Lower Upper

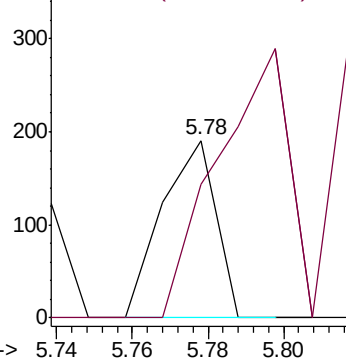
130 100

95 75.4 0.0 188.2

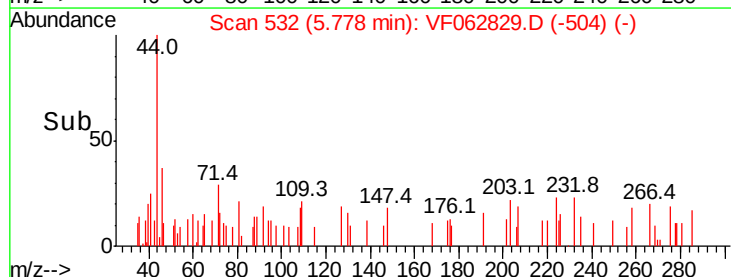


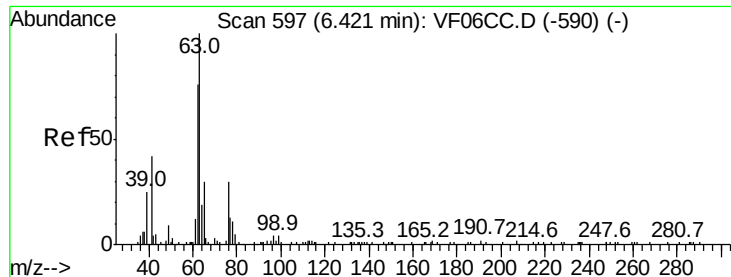
Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0



Time-->





#45

1,2-Dichloropropane

Concen: 350.622 ug/l

RT: 6.45 min Scan# 600

Delta R.T. 0.01 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

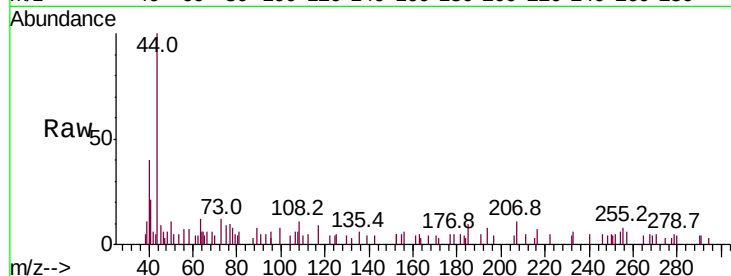
0430-HR-10(HACKENSACK)

Tot Ion: 63 Resp: 653

Ion Ratio Lower Upper

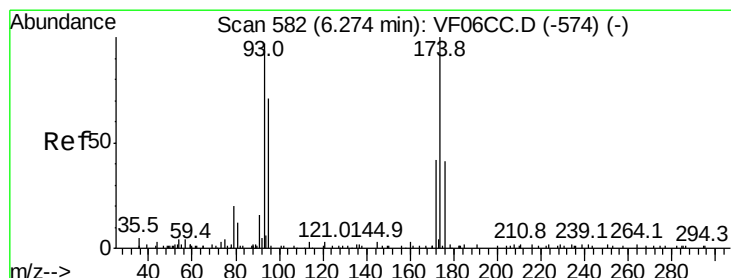
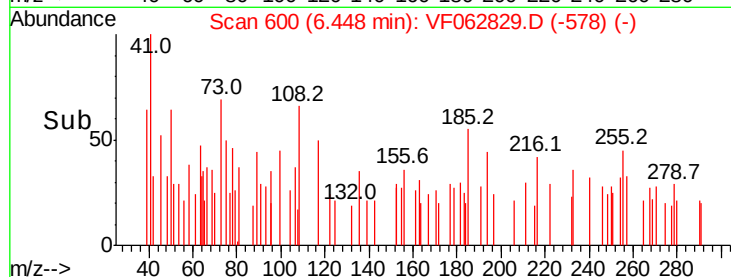
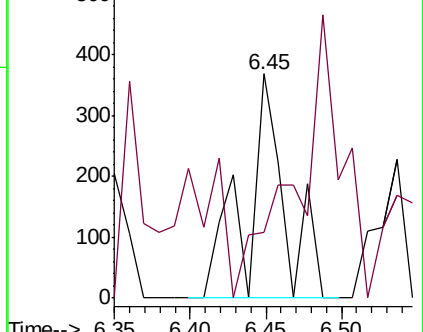
63 100

65 29.6 24.2 36.2



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 272.221 ug/l

RT: 6.35 min Scan# 590

Delta R.T. 0.06 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

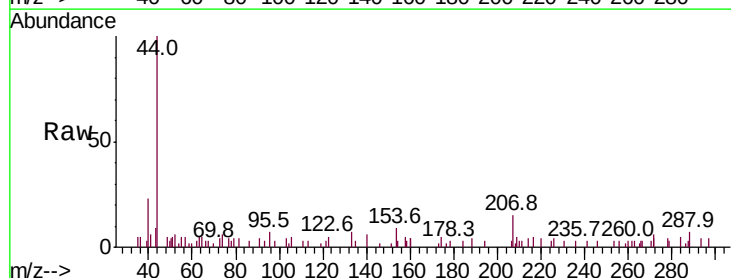
Tgt Ion: 93 Resp: 296

Ion Ratio Lower Upper

93 100

95 203.4 67.9 101.9#

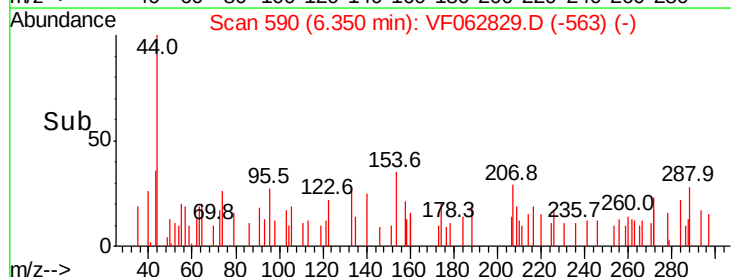
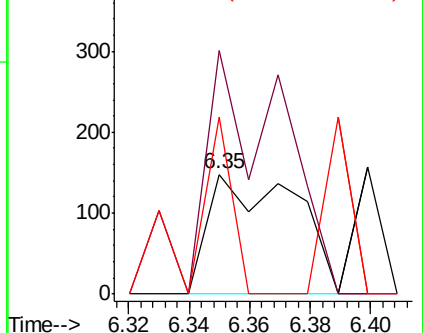
174 147.3 85.0 127.4#

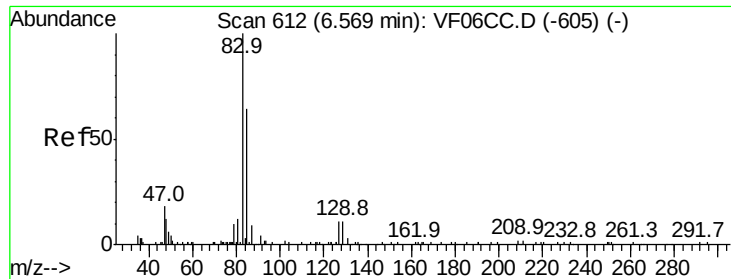


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 48.770 ug/l

RT: 6.71 min Scan# 627

Delta R.T. 0.13 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

0430-HR-10(HACKENSACK)

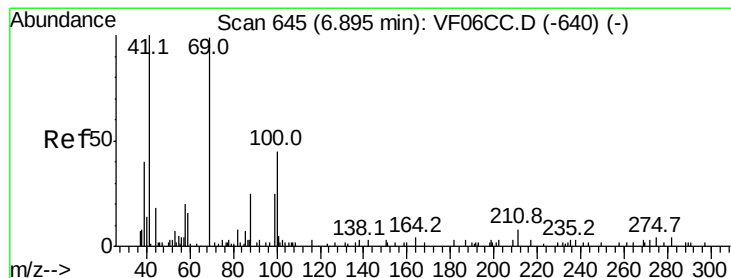
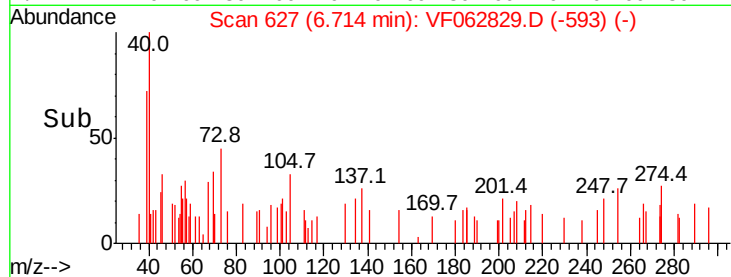
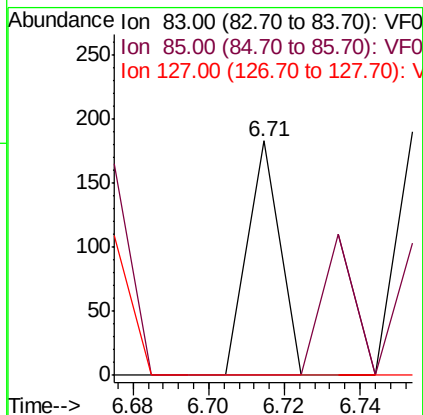
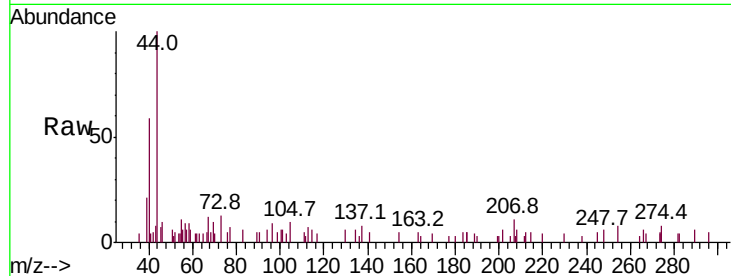
Tot Ion: 83 Resp: 108

Ion Ratio Lower Upper

83 100

85 0.0 54.2 81.4#

127 0.0 7.0 10.4#



#48

Methyl methacrylate

Concen: 1098.490 ug/l

RT: 7.03 min Scan# 659

Delta R.T. 0.13 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

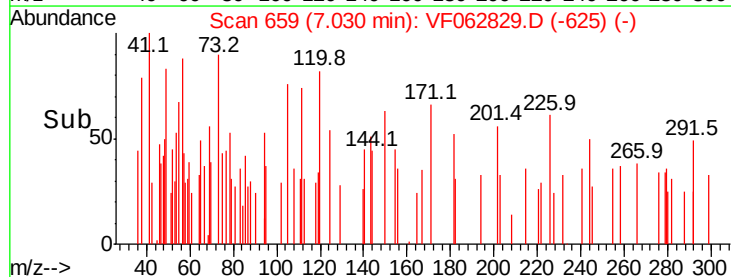
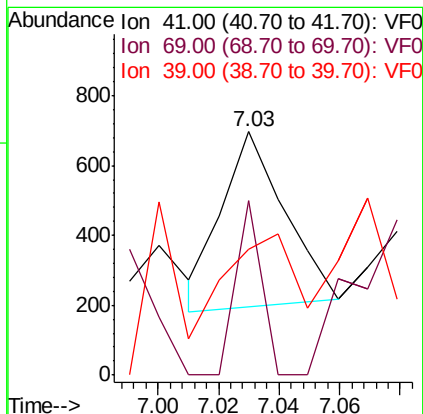
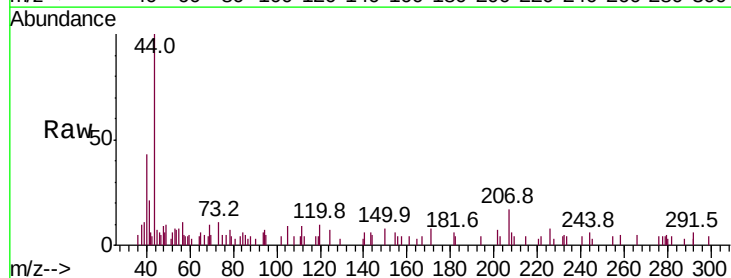
Tgt Ion: 41 Resp: 729

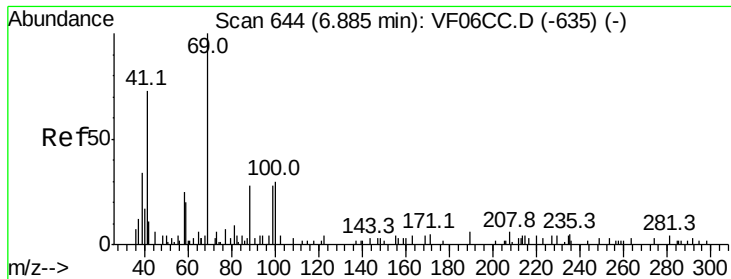
Ion Ratio Lower Upper

41 100

69 71.4 79.4 119.2#

39 51.8 39.8 59.6





#49

1,4-Dioxane

Concen: 41040.297 ug/l

RT: 6.99 min Scan# 655

Delta R.T. 0.10 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

0430-HR-10(HACKENSACK)

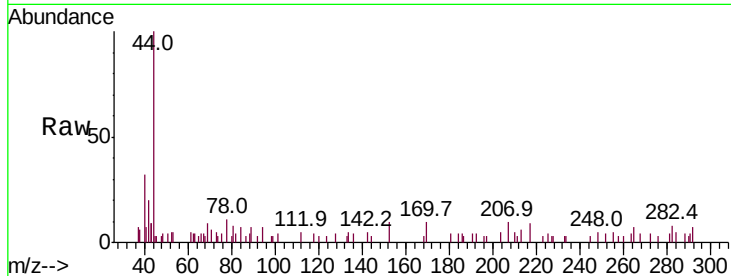
Tot Ion: 88 Resp: 359

Ion Ratio Lower Upper

88 100

43 161.4 34.8 52.2#

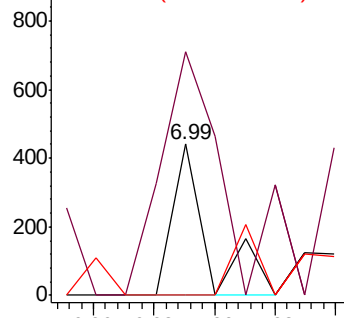
58 0.0 59.9 89.9#



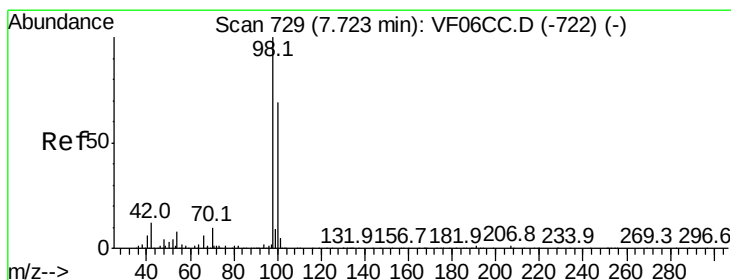
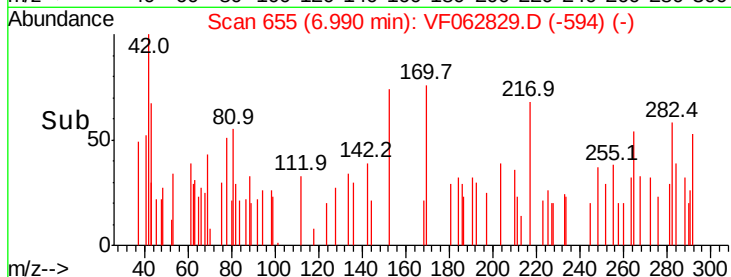
Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#50

Toluene-d8

Concen: 41.941 ug/l

RT: 7.88 min Scan# 745

Delta R.T. 0.14 min

Lab File: VF062829.D

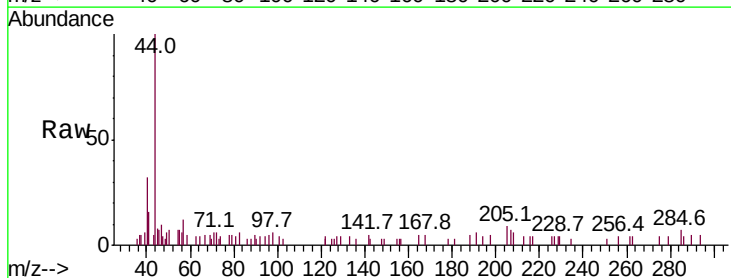
Acq: 3 Jun 2019 15:24

Tgt Ion: 98 Resp: 222

Ion Ratio Lower Upper

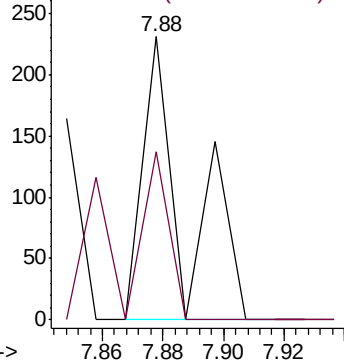
98 100

100 59.3 59.8 89.8#

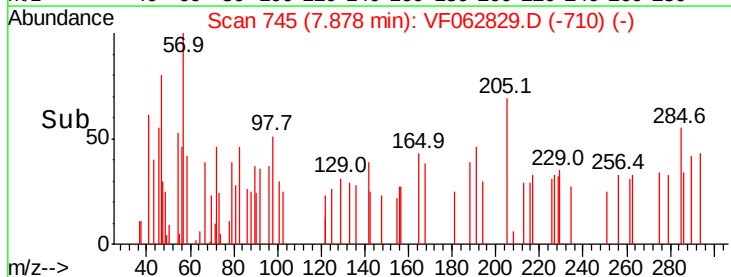


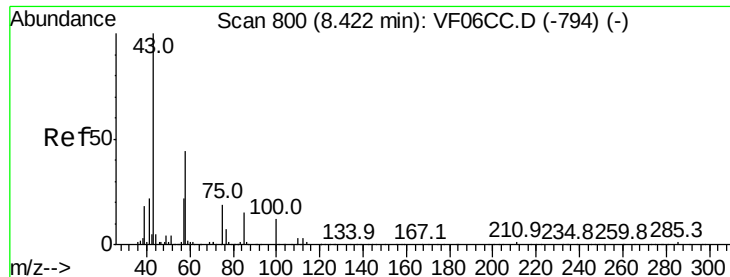
Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 1160.609 ug/l

RT: 8.55 min Scan# 813

Delta R.T. 0.12 min

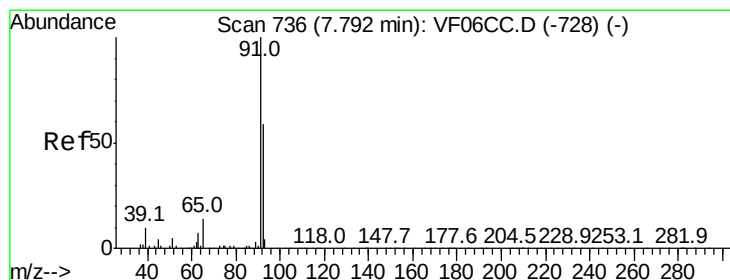
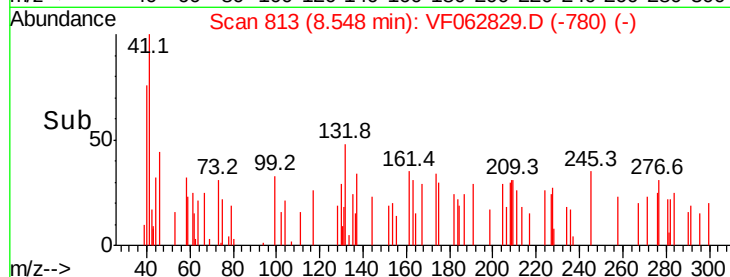
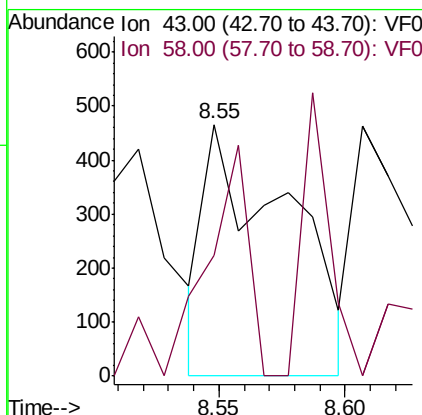
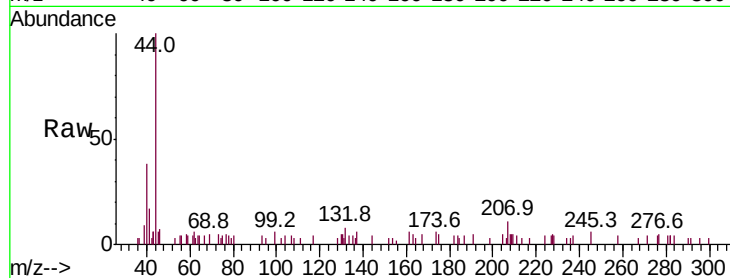
Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
0430-HR-10(HACKENSACK)

Tot Ion: 43 Resp: 1067

Ion	Ratio	Lower	Upper
43	100		
58	48.1	35.5	53.3



#52

Toluene

Concen: 23.266 ug/l

RT: 7.77 min Scan# 734

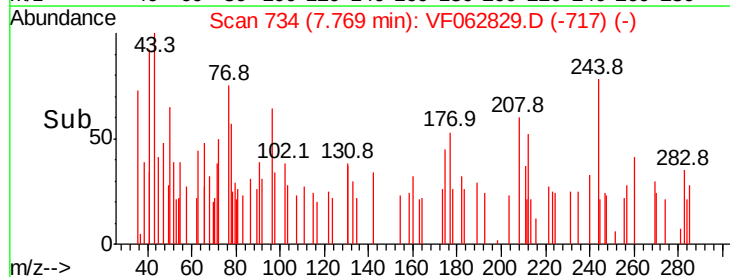
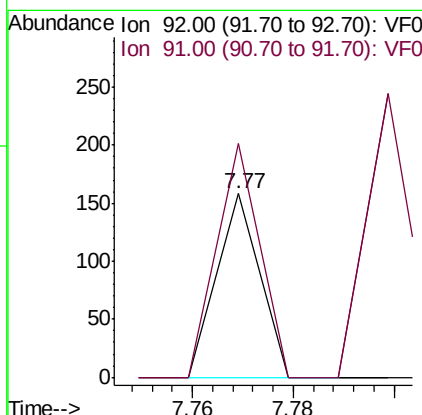
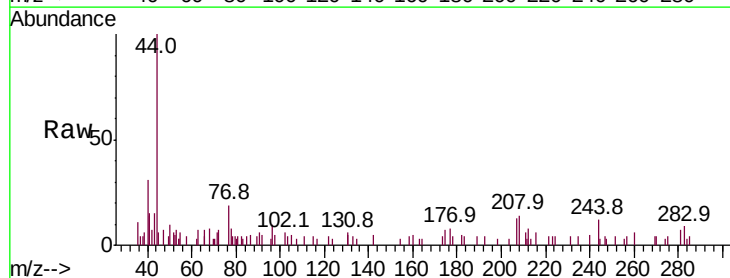
Delta R.T. -0.03 min

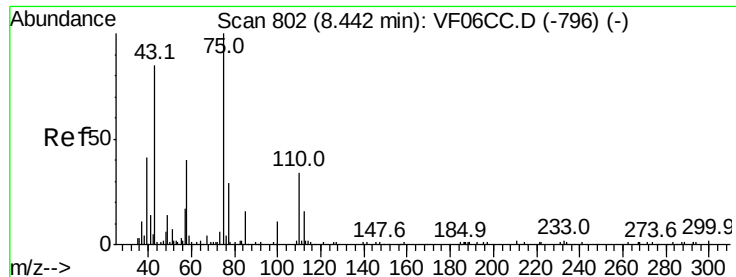
Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Tgt Ion: 92 Resp: 93

Ion	Ratio	Lower	Upper
92	100		
91	127.2	123.2	184.8

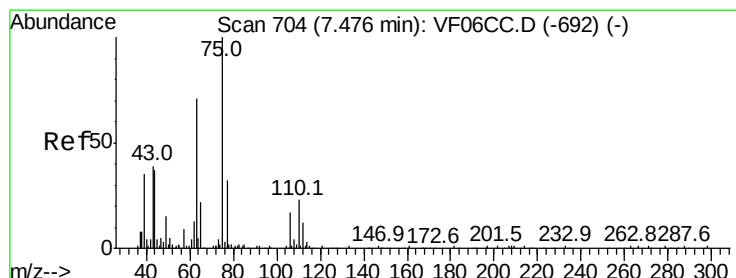
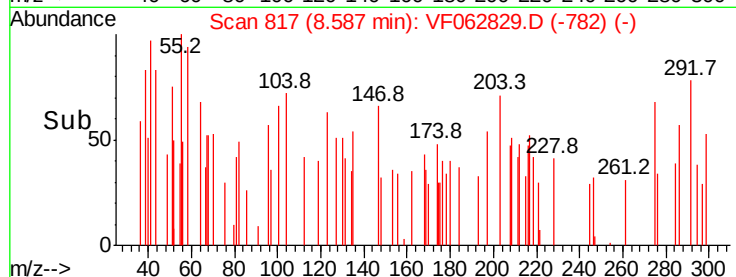
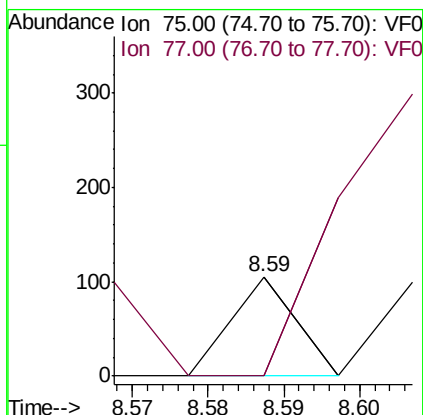
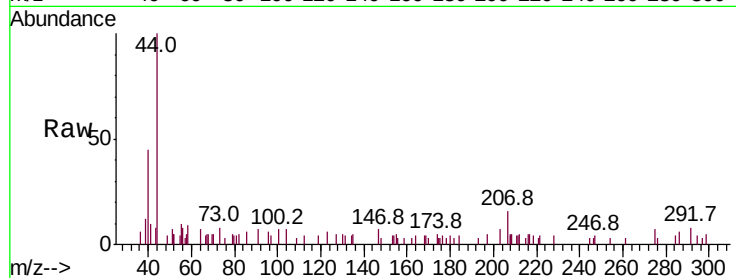




#53
 t-1,3-Dichloropropene
 Concen: 33.787 ug/l
 RT: 8.59 min Scan# 817
 Delta R.T. 0.14 min
 Lab File: VF062829.D
 Acq: 3 Jun 2019 15:24

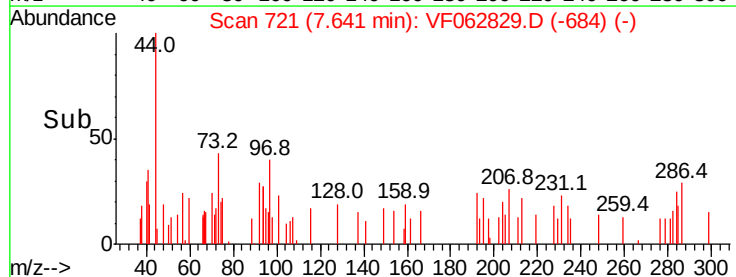
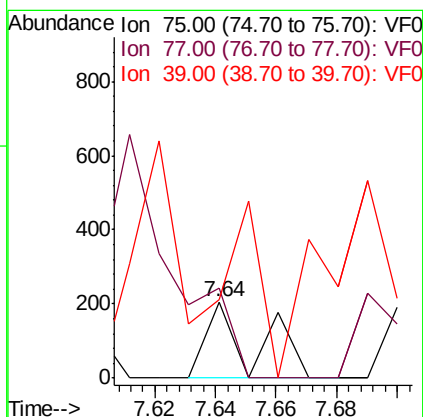
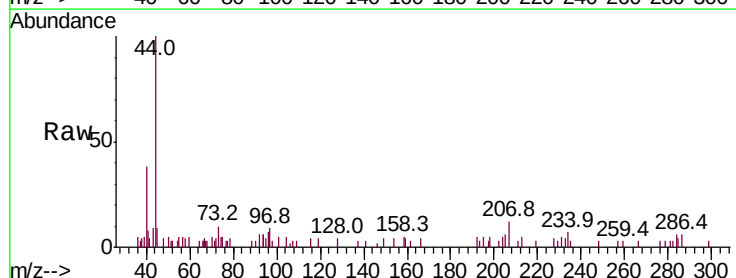
Instrument :
 MSVOA_F
 ClientSampleId :
 0430-HR-10(HACKENSACK)

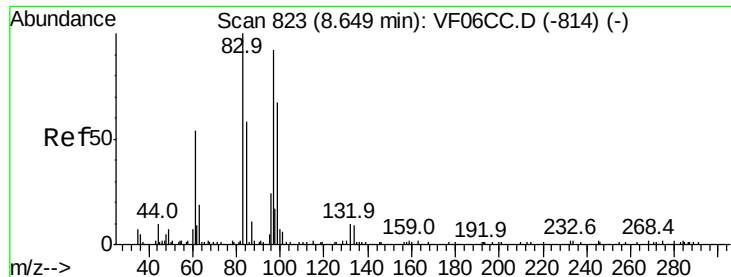
Tot Ion: 75 Resp: 62
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 85.083 ug/l
 RT: 7.64 min Scan# 721
 Delta R.T. 0.16 min
 Lab File: VF062829.D
 Acq: 3 Jun 2019 15:24

Tgt Ion: 75 Resp: 226
 Ion Ratio Lower Upper
 75 100
 77 119.0 25.8 38.8#
 39 103.9 28.4 42.6#





#55

1,1,2-Trichloroethane

Concen: 131.469 ug/l

RT: 8.80 min Scan# 839

Delta R.T. 0.15 min

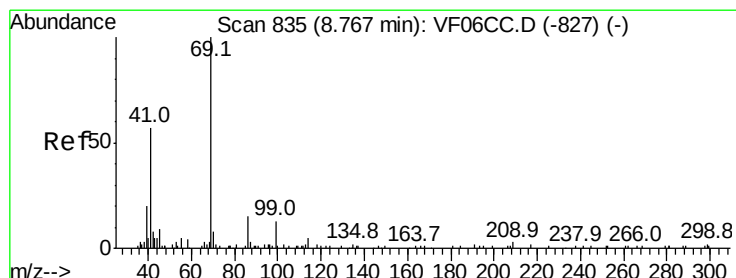
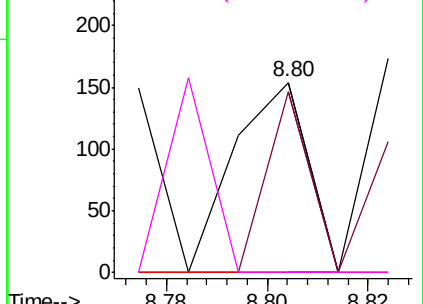
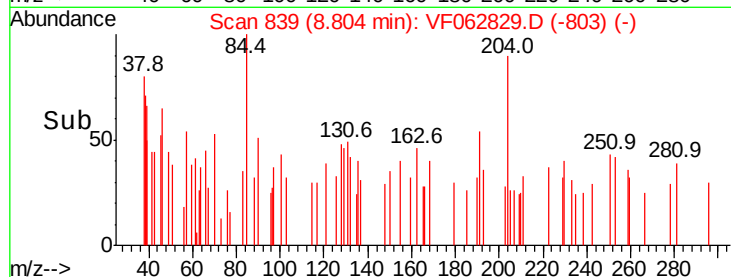
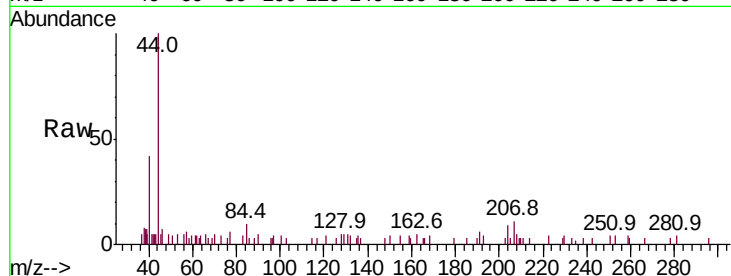
Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
0430-HR-10(HACKENSACK)

Tot Ion: 97 Resp: 157

Ion	Ratio	Lower	Upper
97	100		
83	94.8	72.0	108.0
85	0.0	47.5	71.3#
99	0.0	54.1	81.1#



#56

Ethyl methacrylate

Concen: 301.247 ug/l

RT: 8.91 min Scan# 850

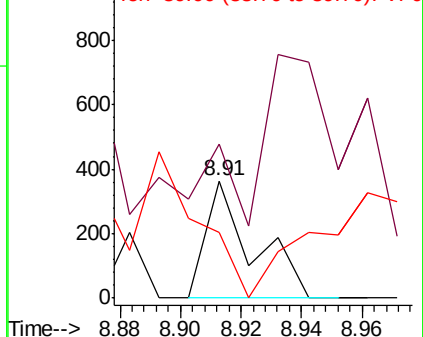
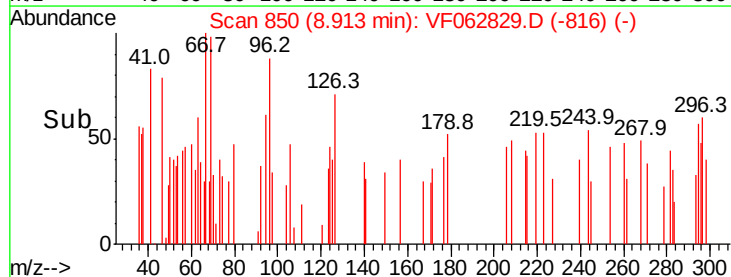
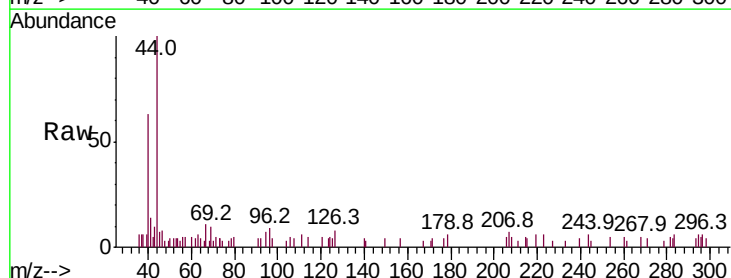
Delta R.T. 0.13 min

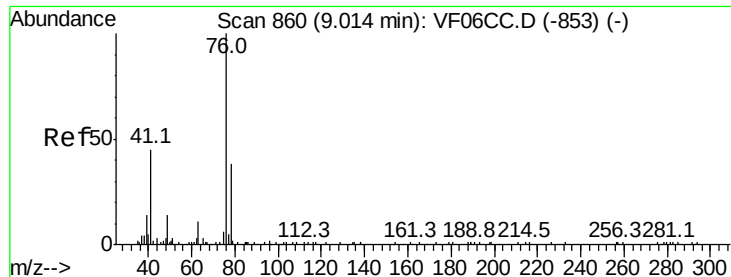
Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Tgt Ion: 69 Resp: 386

Ion	Ratio	Lower	Upper
69	100		
41	131.1	46.6	69.8#
39	55.6	19.6	29.4#





#57

1,3-Dichloropropane

Concen: 186.141 ug/l

RT: 9.19 min Scan# 878

Delta R.T. 0.17 min

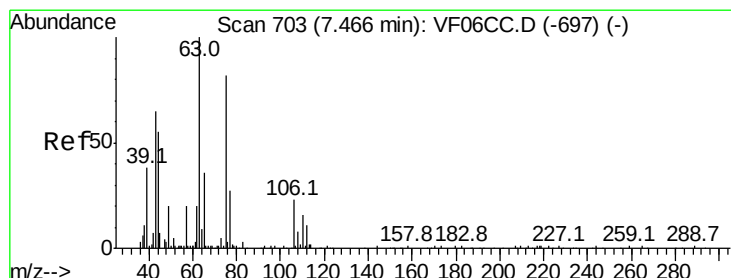
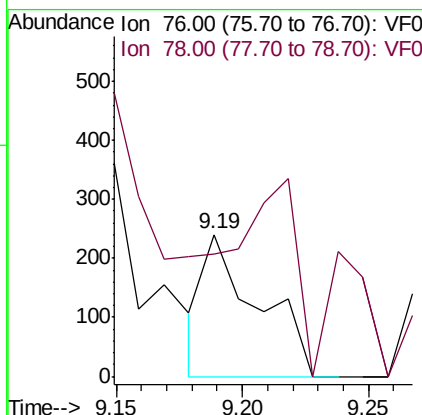
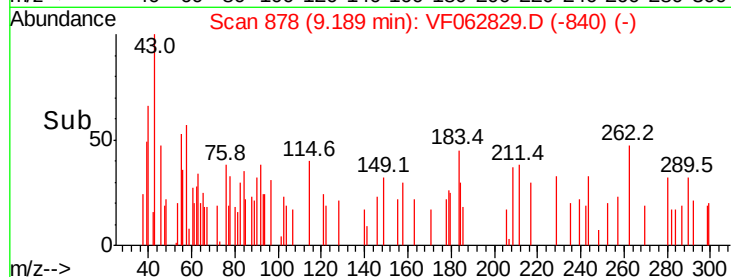
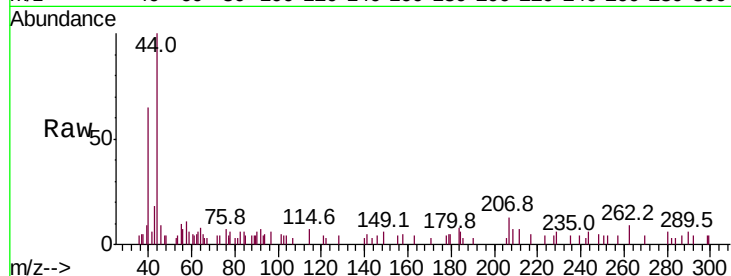
Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
0430-HR-10(HACKENSACK)

Tot Ion: 76 Resp: 363

Ion	Ratio	Lower	Upper
76	100		
78	86.3	26.8	40.2#



#58

2-Chloroethyl Vinyl ether

Concen: 363.991 ug/l

RT: 7.60 min Scan# 717

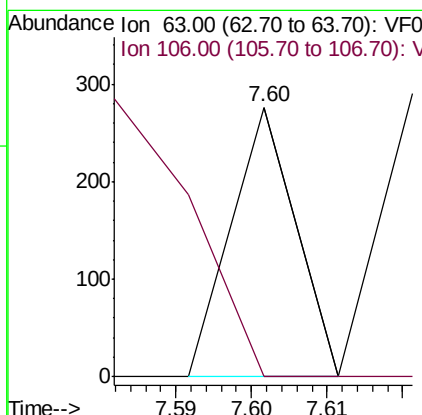
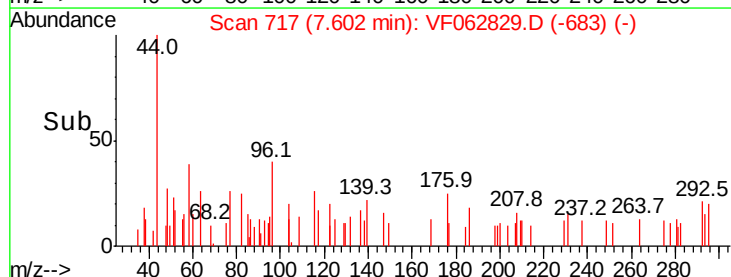
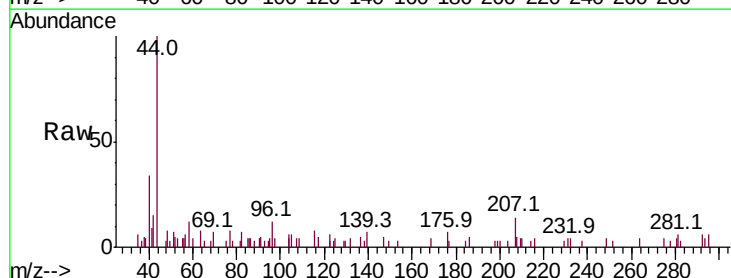
Delta R.T. 0.13 min

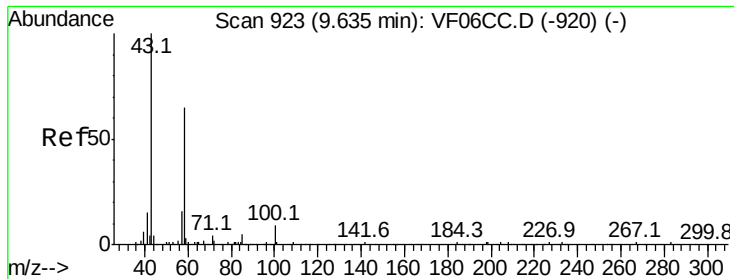
Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Tgt Ion: 63 Resp: 163

Ion	Ratio	Lower	Upper
63	100		
106	0.0	19.5	29.3#

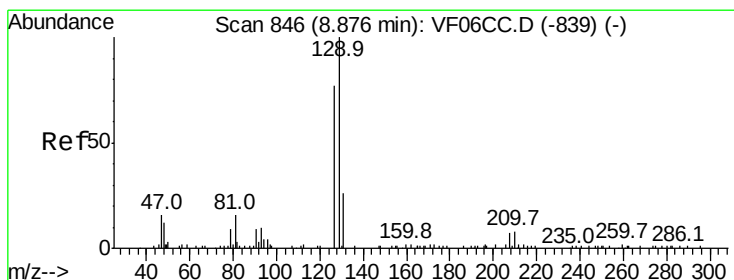
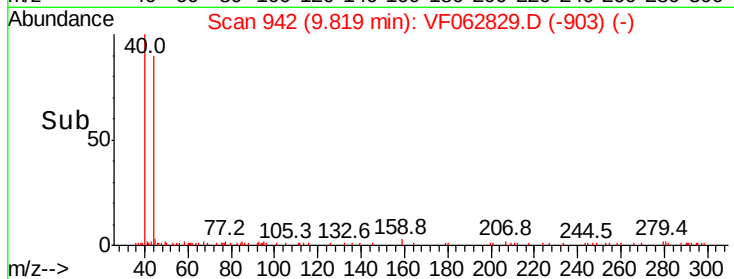
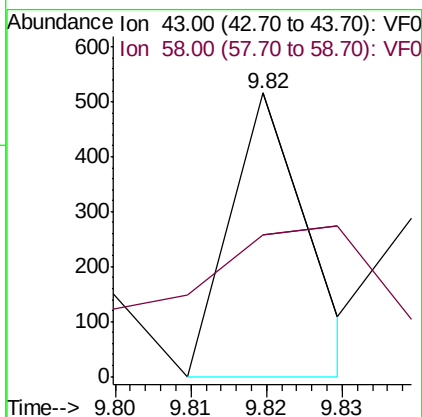
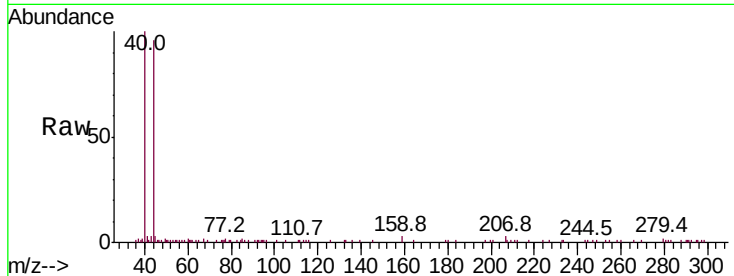




#59
2-Hexanone
Concen: 564.644 ug/l
RT: 9.82 min Scan# 942
Delta R.T. 0.18 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

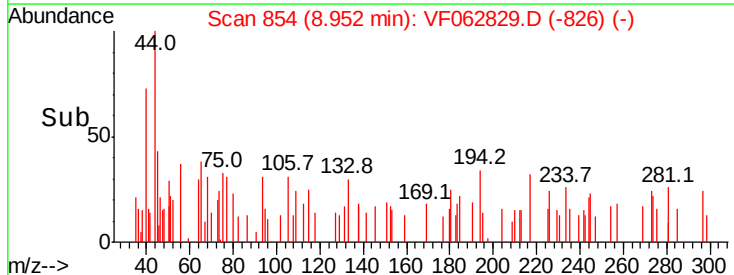
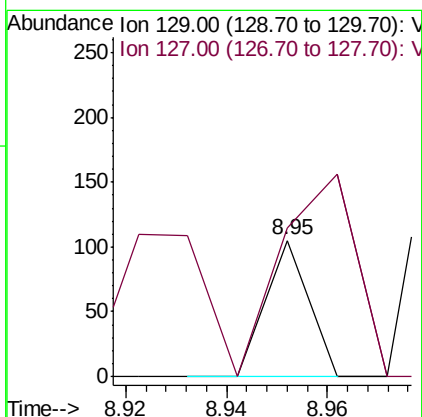
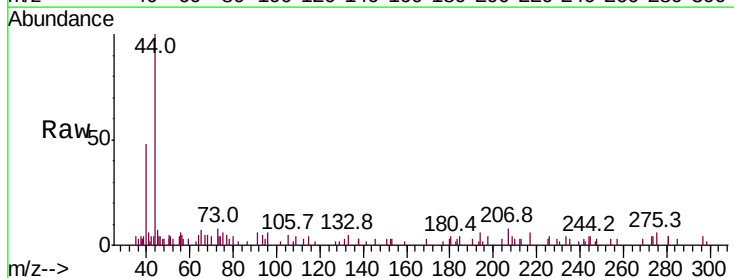
Instrument :
MSVOA_F
ClientSampleId :
0430-HR-10(HACKENSACK)

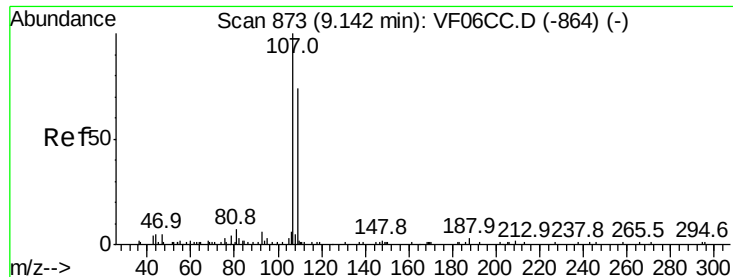
Tot Ion: 43 Resp: 370
Ion Ratio Lower Upper
43 100
58 49.8 29.3 87.9



#60
Dibromochloromethane
Concen: 41.935 ug/l
RT: 8.95 min Scan# 854
Delta R.T. 0.07 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

Tgt Ion: 129 Resp: 62
Ion Ratio Lower Upper
129 100
127 109.5 37.1 111.3





#61

1,2-Dibromoethane

Concen: 69.341 ug/l

RT: 9.31 min Scan# 890

Delta R.T. 0.15 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

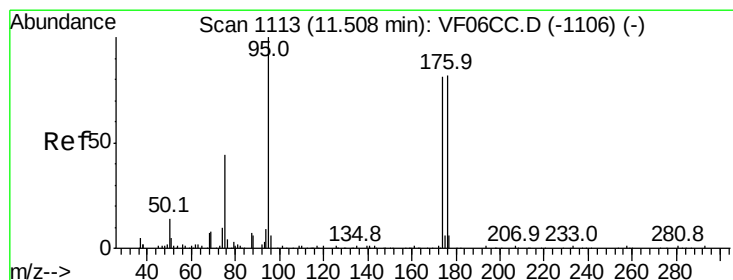
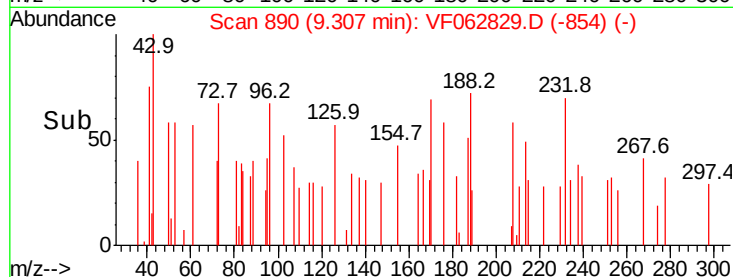
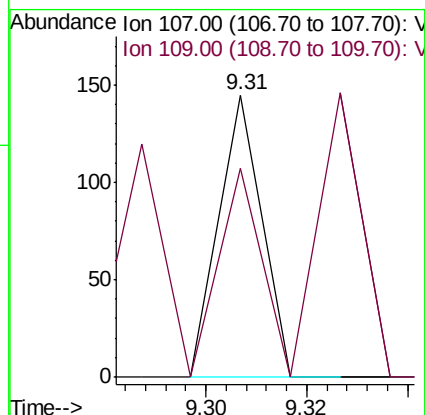
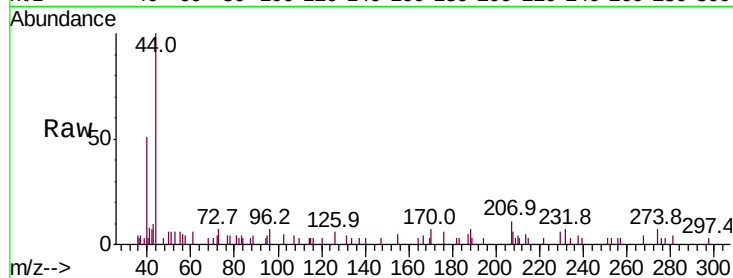
0430-HR-10(HACKENSACK)

Tot Ion:107 Resp: 86

Ion Ratio Lower Upper

107 100

109 73.8 78.1 117.1#



#62

4-Bromofluorobenzene

Concen: 257.879 ug/l

RT: 11.72 min Scan# 1135

Delta R.T. 0.21 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

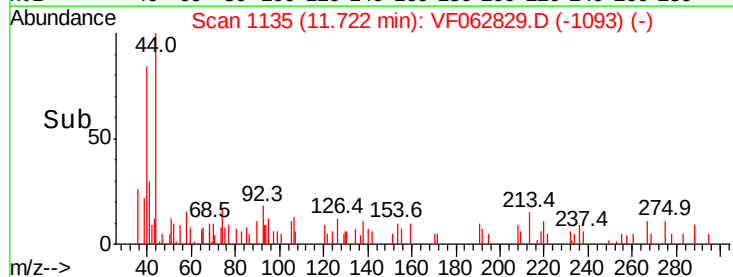
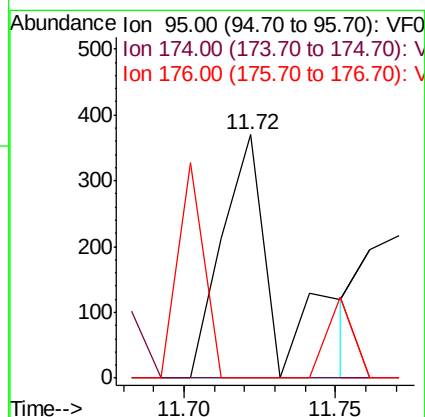
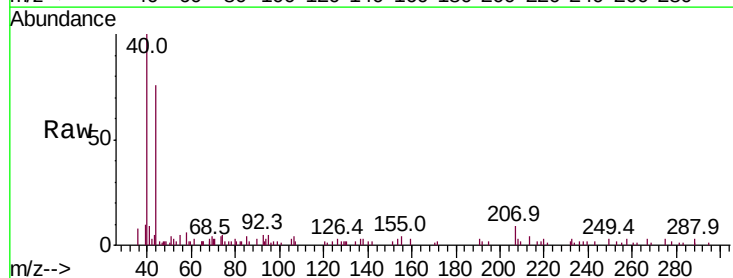
Tgt Ion: 95 Resp: 491

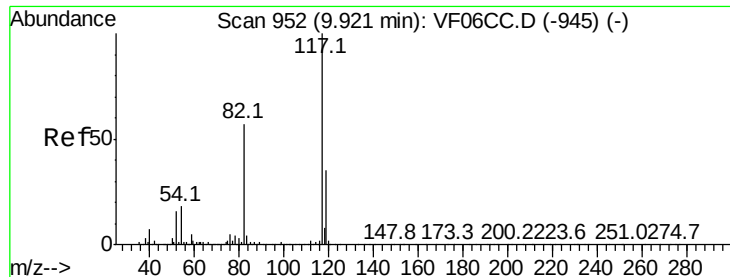
Ion Ratio Lower Upper

95 100

174 0.0 0.0 170.6

176 0.0 0.0 170.6

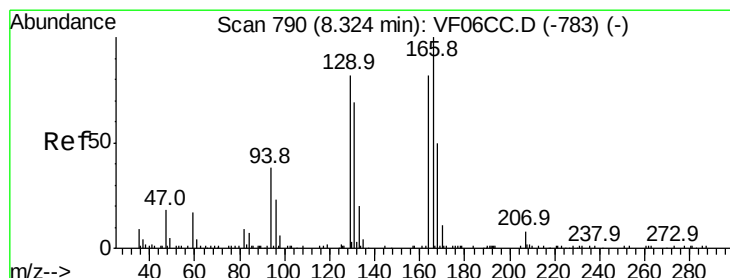
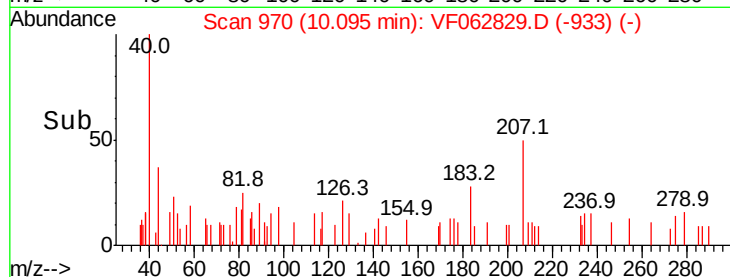
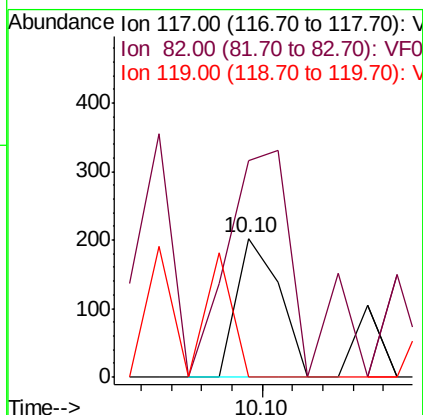
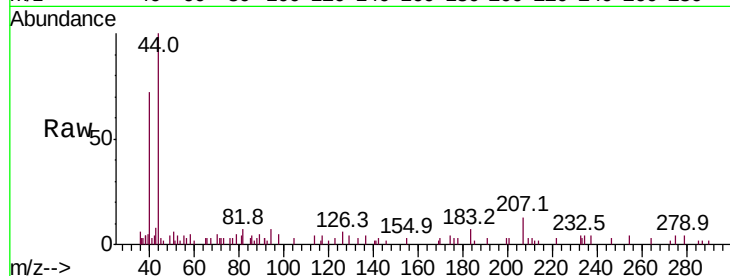




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 970
Delta R.T. 0.16 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

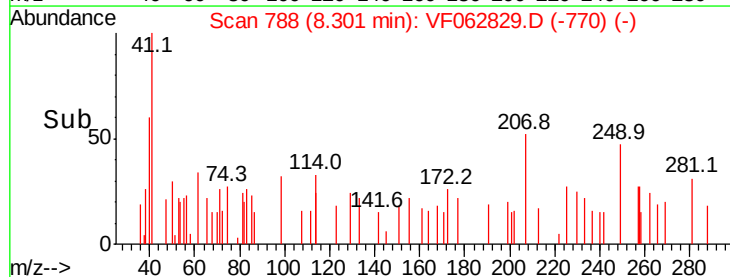
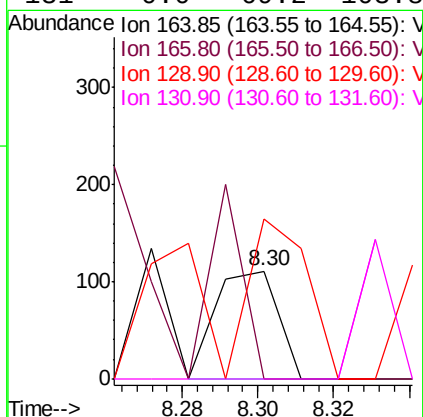
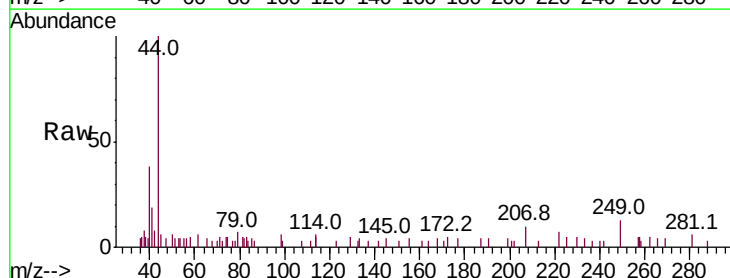
Instrument :
MSVOA_F
ClientSampleId :
0430-HR-10(HACKENSACK)

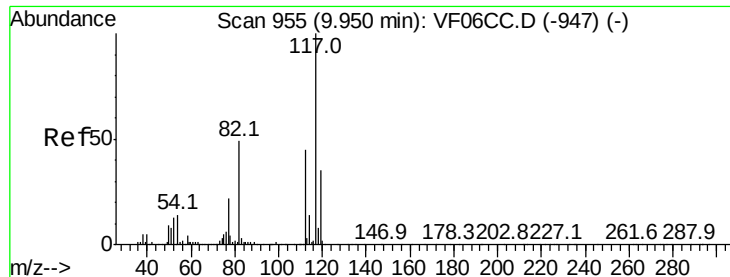
Tot Ion:117 Resp: 202
Ion Ratio Lower Upper
117 100
82 155.9 42.4 63.6#
119 0.0 27.1 40.7#



#64
Tetrachloroethene
Concen: 81.173 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.02 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

Tgt Ion:164 Resp: 126
Ion Ratio Lower Upper
164 100
166 0.0 99.1 148.7#
129 148.6 69.5 104.3#
131 0.0 69.2 103.8#

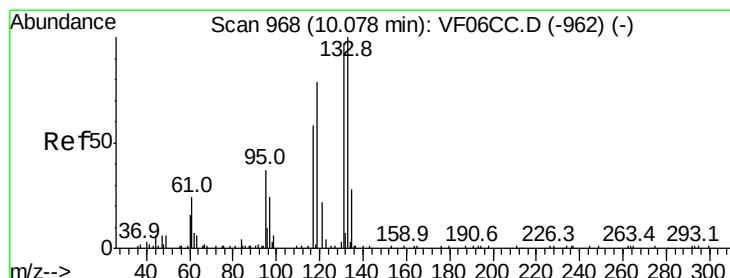
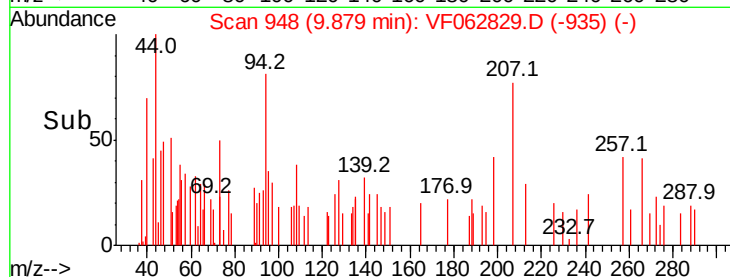
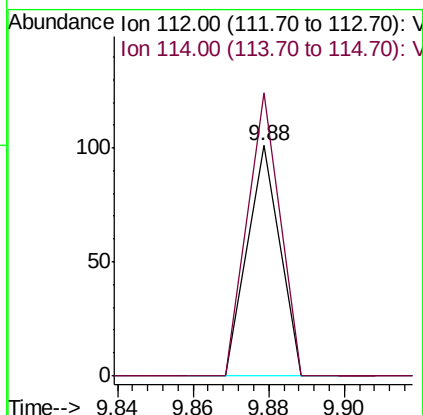
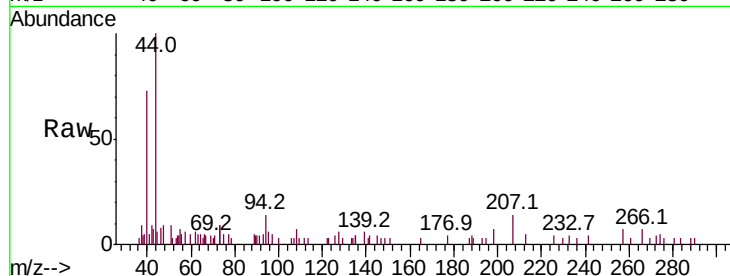




#65
Chlorobenzene
Concen: 15.381 ug/l
RT: 9.88 min Scan# 948
Delta R.T. -0.07 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

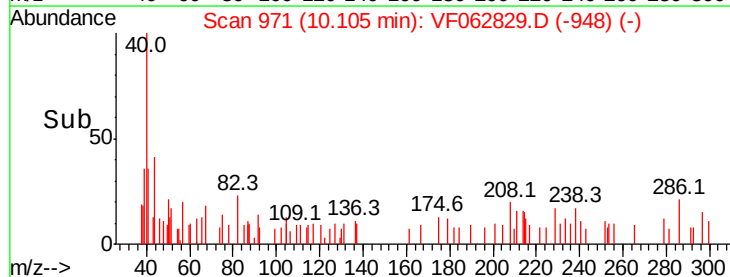
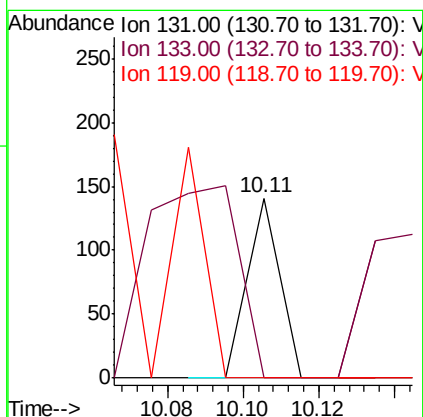
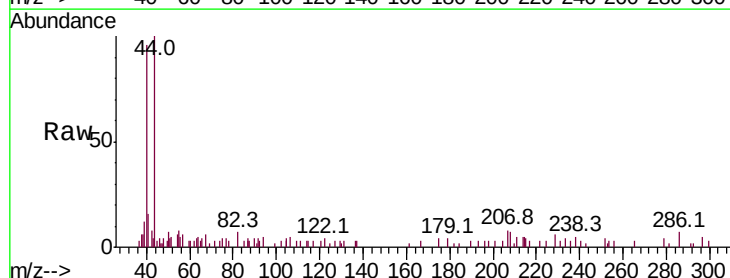
Instrument :
MSVOA_F
ClientSampleId :
0430-HR-10(HACKENSACK)

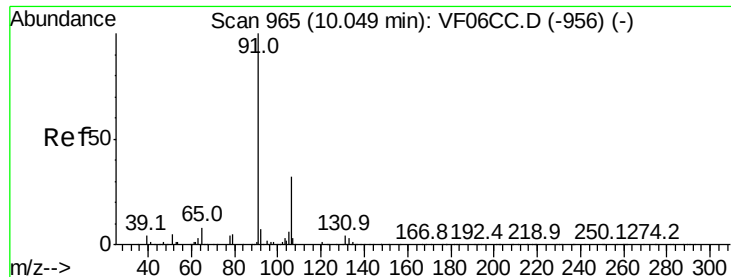
Tot Ion:112 Resp: 60
Ion Ratio Lower Upper
112 100
114 122.8 27.4 41.0#



#66
1,1,1,2-Tetrachloroethane
Concen: 53.425 ug/l
RT: 10.11 min Scan# 971
Delta R.T. 0.02 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

Tgt Ion:131 Resp: 83
Ion Ratio Lower Upper
131 100
133 0.0 48.9 146.7#
119 0.0 38.0 114.0#





#67

Ethyl Benzene

Concen: 8.963 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

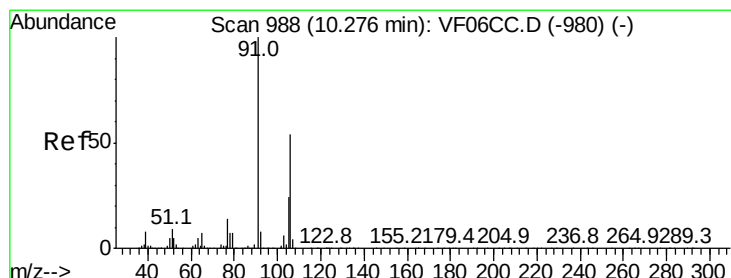
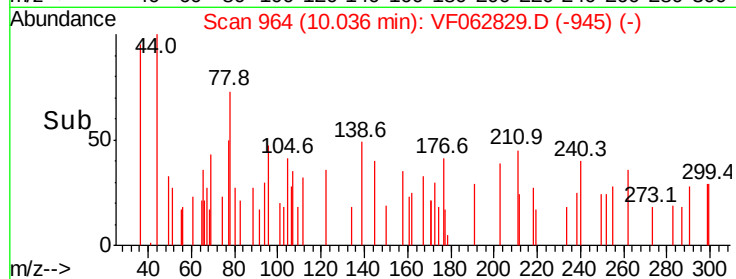
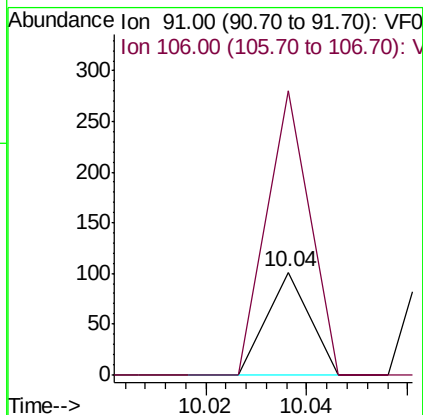
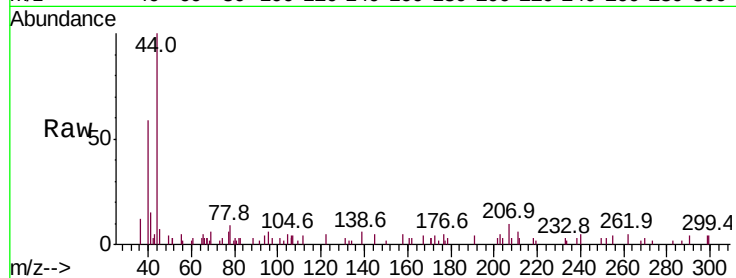
0430-HR-10(HACKENSACK)

Tot Ion: 91 Resp: 60

Ion Ratio Lower Upper

91 100

106 277.2 26.0 39.0#



#68

m/p-Xylenes

Concen: 33.573 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF062829.D

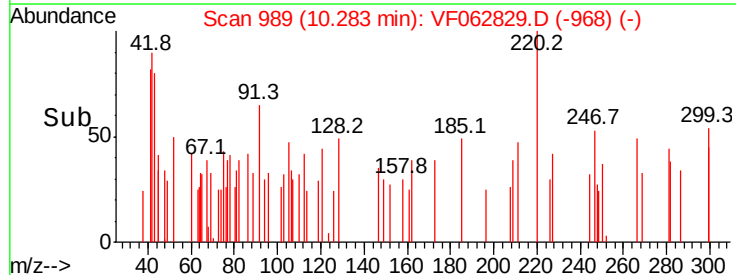
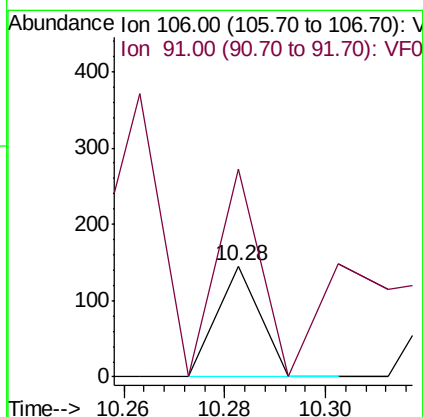
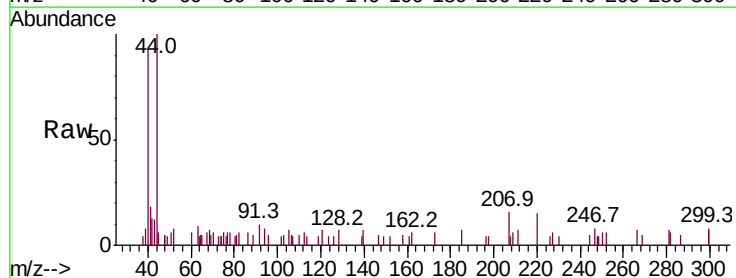
Acq: 3 Jun 2019 15:24

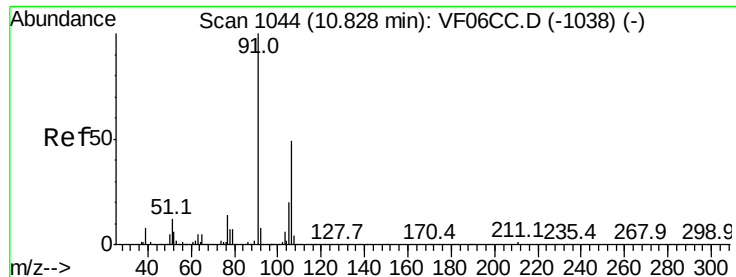
Tgt Ion:106 Resp: 86

Ion Ratio Lower Upper

106 100

91 188.3 136.2 204.4

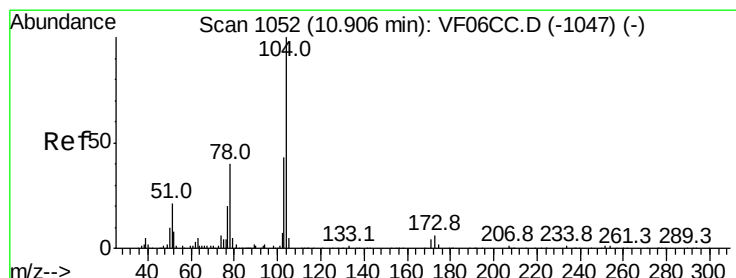
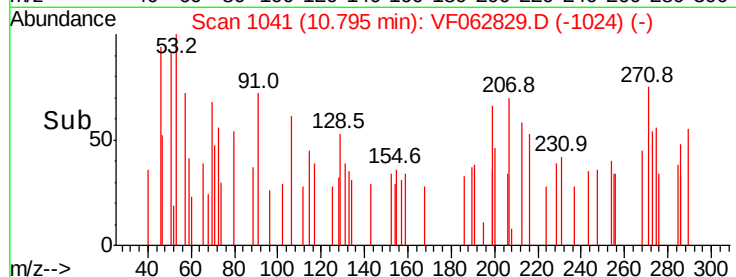
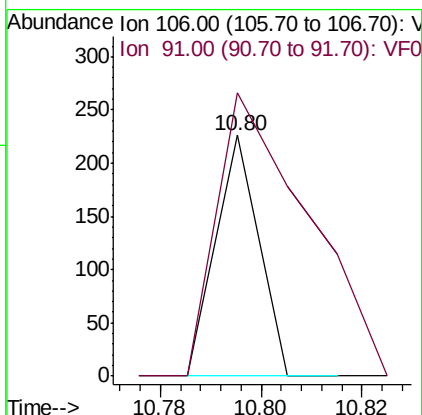
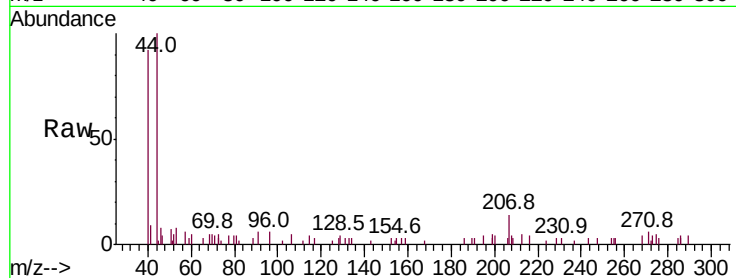




#69
o-Xylene
Concen: 51.667 ug/l
RT: 10.80 min Scan# 1041
Delta R.T. -0.03 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

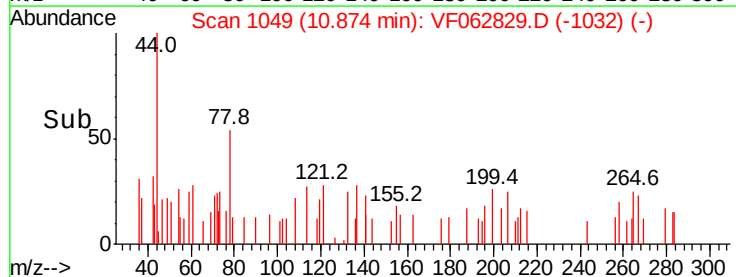
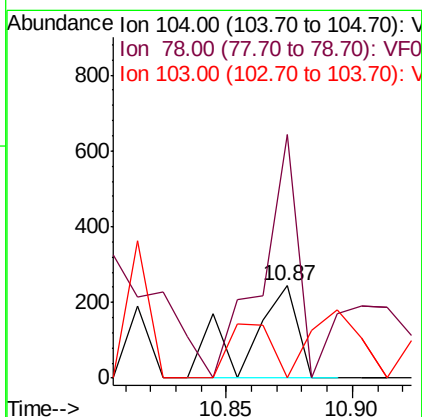
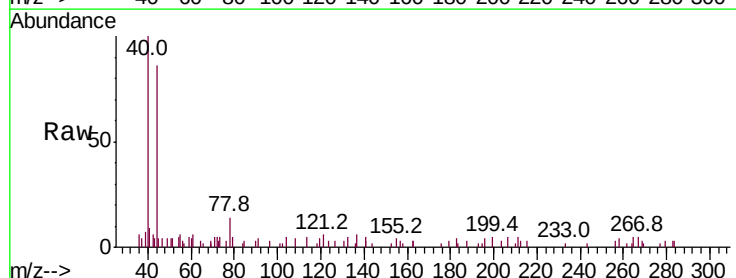
Instrument :
MSVOA_F
ClientSampleId :
0430-HR-10(HACKENSACK)

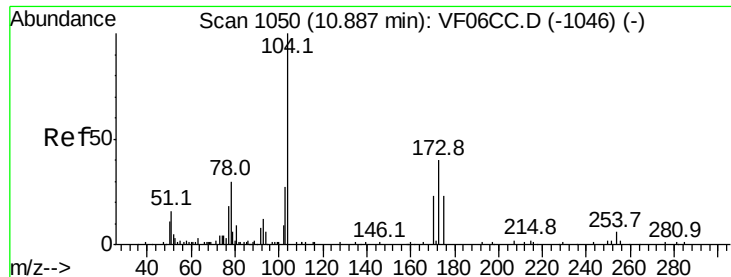
Tot Ion:106 Resp: 134
Ion Ratio Lower Upper
106 100
91 117.7 96.6 289.8



#70
Styrene
Concen: 87.634 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. -0.03 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

Tgt Ion:104 Resp: 335
Ion Ratio Lower Upper
104 100
78 263.5 30.8 46.2#
103 0.0 35.8 53.6#





#71

Bromoform

Concen: 375.698 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

0430-HR-10(HACKENSACK)

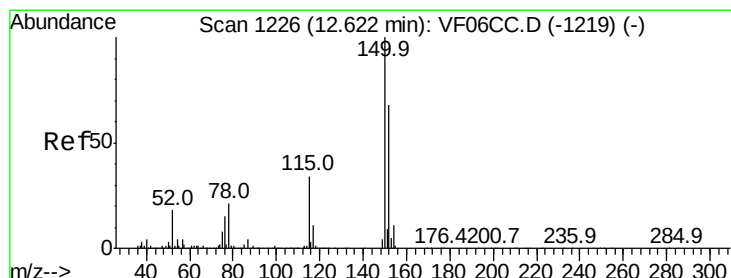
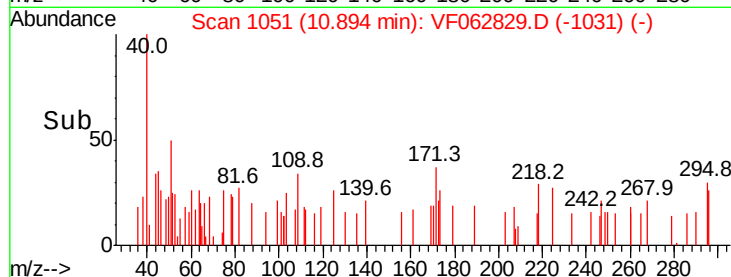
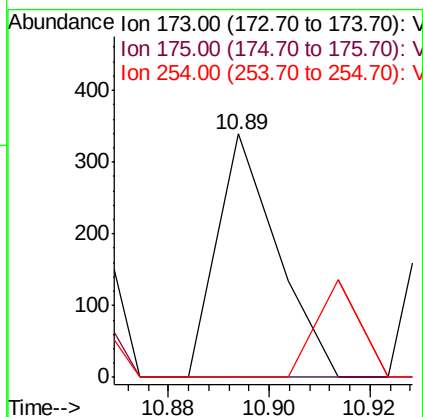
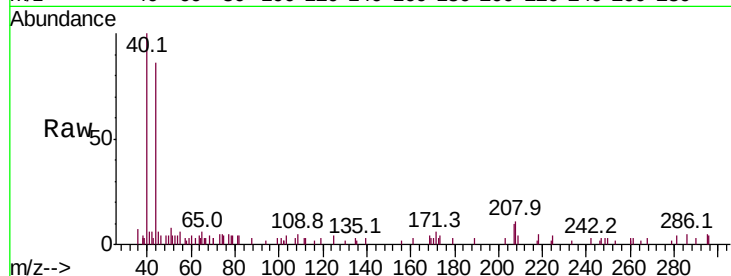
Tot Ion:173 Resp: 280

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.59 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

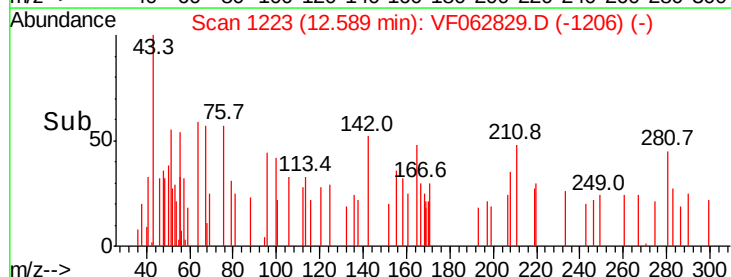
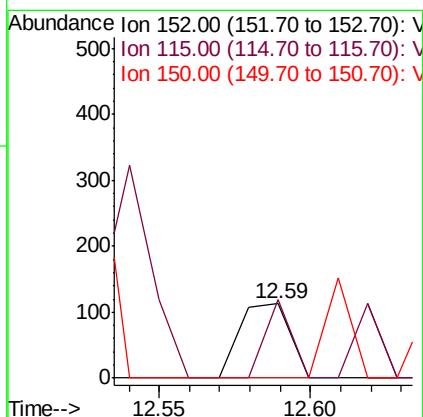
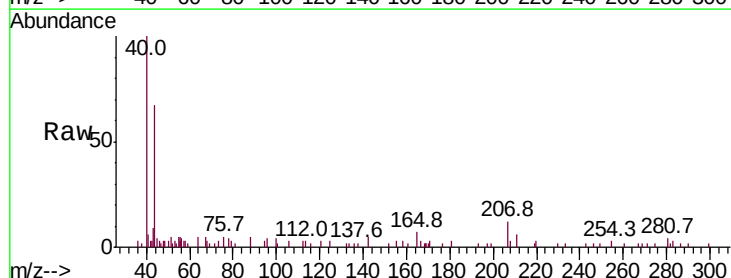
Tgt Ion:152 Resp: 130

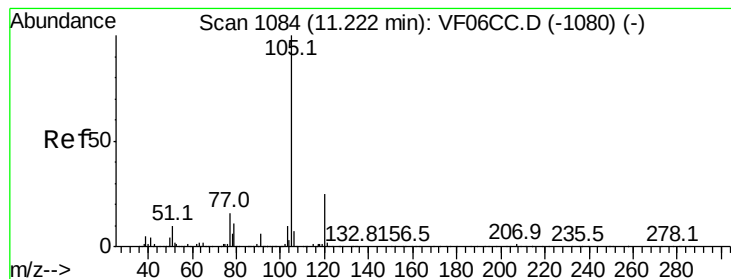
Ion Ratio Lower Upper

152 100

115 106.2 24.6 74.0#

150 0.0 0.0 290.6





#73

Isopropylbenzene

Concen: 13.450 ug/l

RT: 11.25 min Scan# 1087

Delta R.T. 0.01 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument:

MSVOA_F

ClientSampleId:

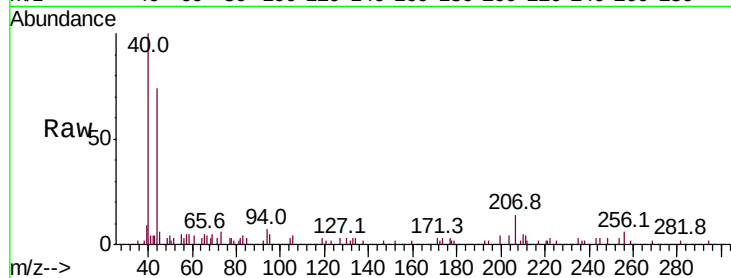
0430-HR-10(HACKENSACK)

Tot Ion:105 Resp: 122

Ion Ratio Lower Upper

105 100

120 0.0 15.1 45.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.25

200

150

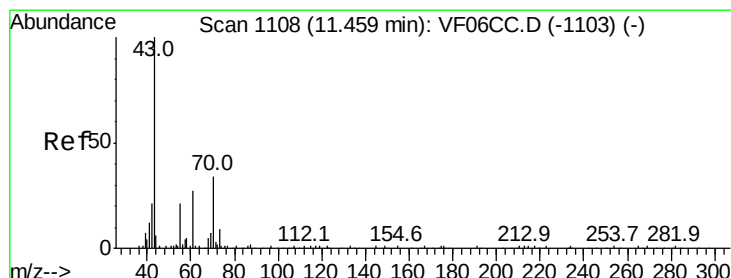
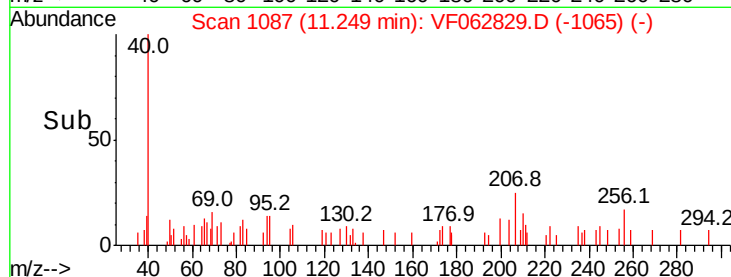
100

50

0

Time-->

11.22 11.24 11.26



#74

N-ethyl acetate

Concen: 172.497 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Tgt Ion: 43 Resp: 441

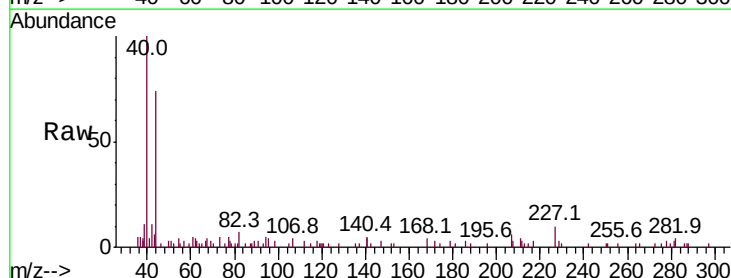
Ion Ratio Lower Upper

43 100

70 37.7 32.9 49.3

55 34.5 17.3 25.9#

61 71.9 23.7 35.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

600

500

400

300

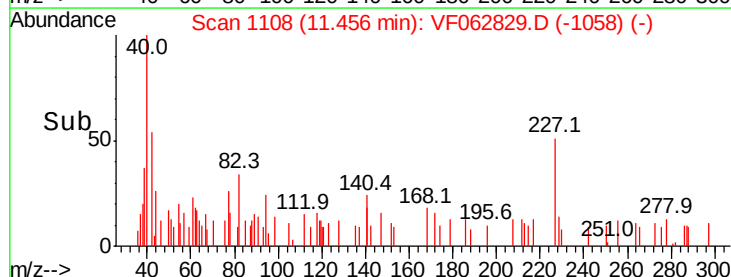
200

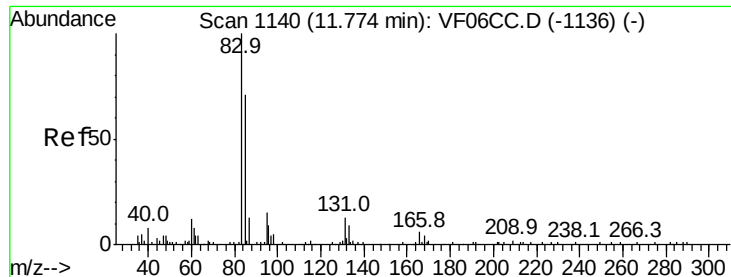
100

0

Time-->

11.44 11.46 11.48





#75

1,1,2,2-Tetrachloroethane

Concen: 128.026 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

0430-HR-10(HACKENSACK)

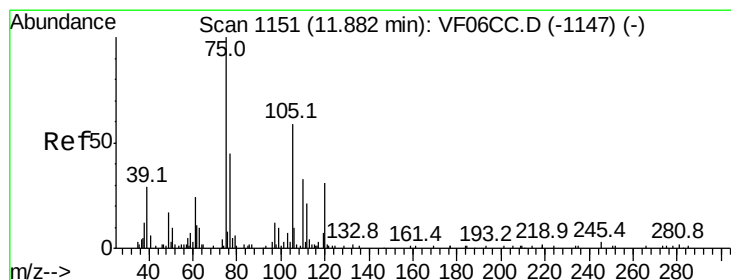
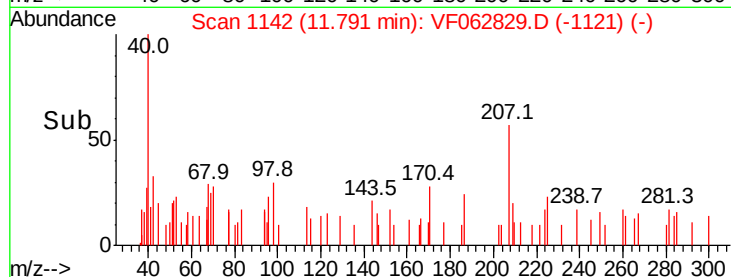
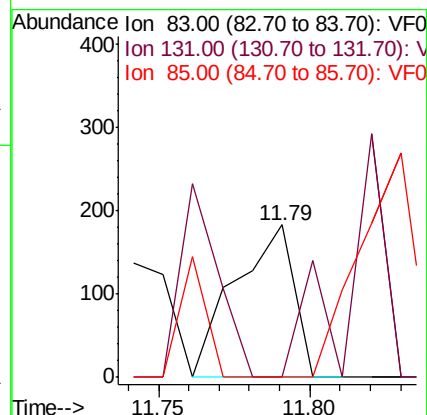
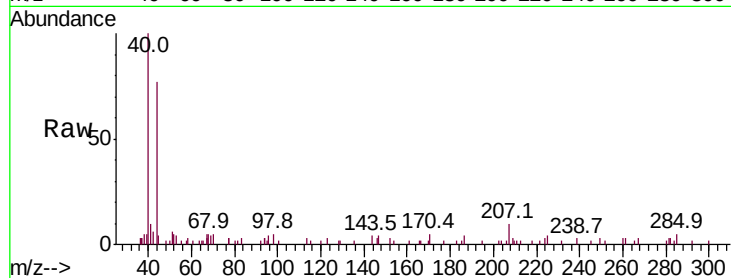
Tot Ion: 83 Resp: 248

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 0.0 32.1 96.5#



#76

1,2,3-Trichloropropane

Concen: 159.654 ug/l

RT: 11.73 min Scan# 1136

Delta R.T. -0.15 min

Lab File: VF062829.D

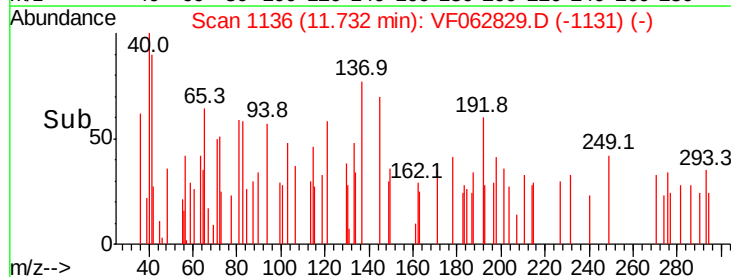
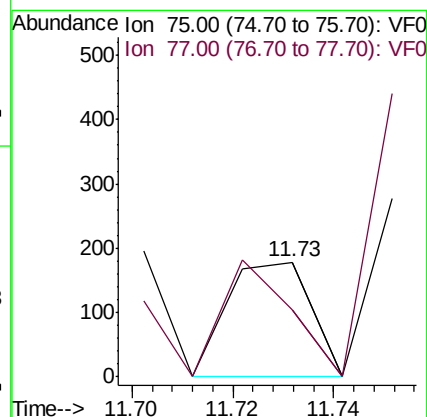
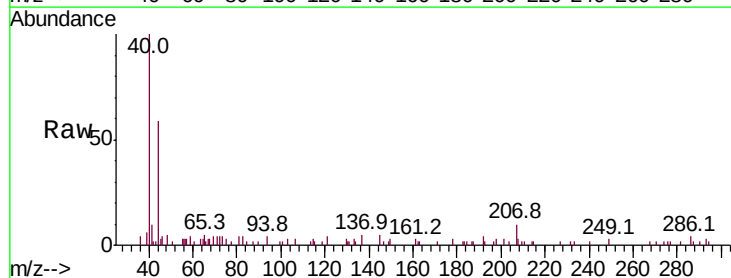
Acq: 3 Jun 2019 15:24

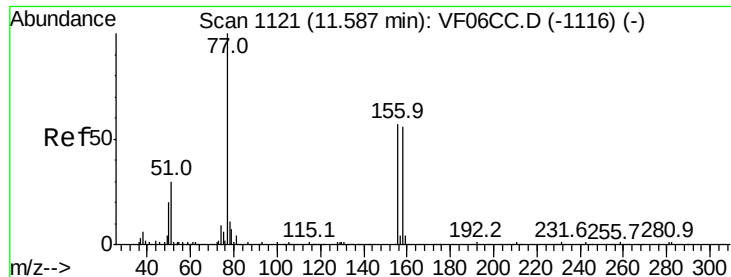
Tgt Ion: 75 Resp: 205

Ion Ratio Lower Upper

75 100

77 59.0 20.1 60.2





#77

Bromobenzene

Concen: 52.651 ug/l

RT: 11.63 min Scan# 1126

Delta R.T. 0.03 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

0430-HR-10(HACKENSACK)

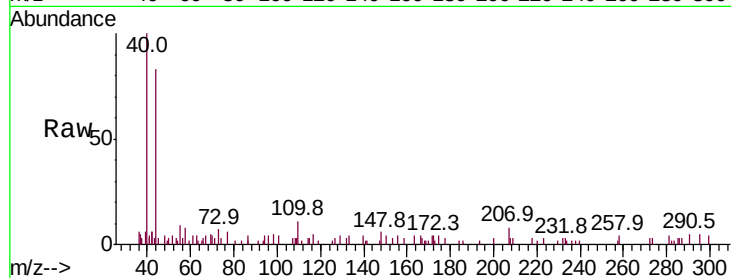
Tot Ion:156 Resp: 120

Ion Ratio Lower Upper

156 100

77 158.6 64.2 192.6

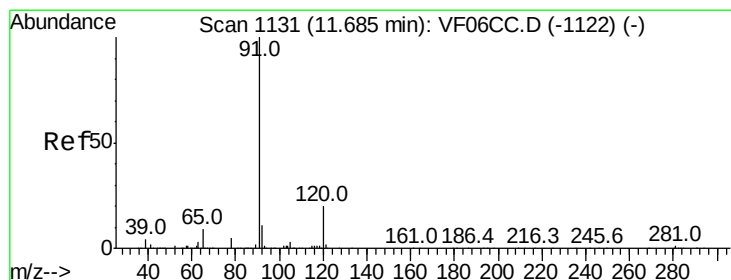
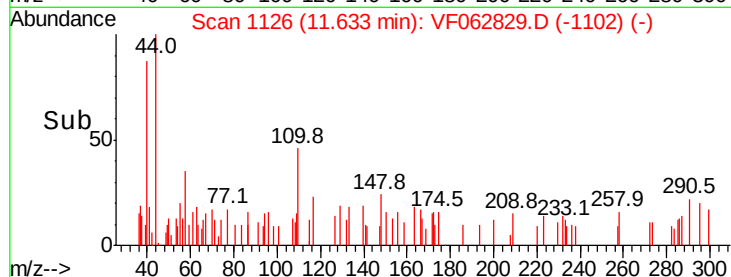
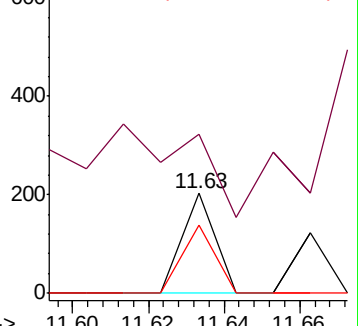
158 68.0 50.3 151.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 15.339 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062829.D

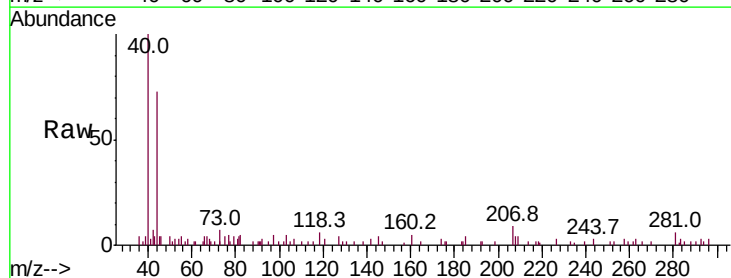
Acq: 3 Jun 2019 15:24

Tgt Ion: 91 Resp: 168

Ion Ratio Lower Upper

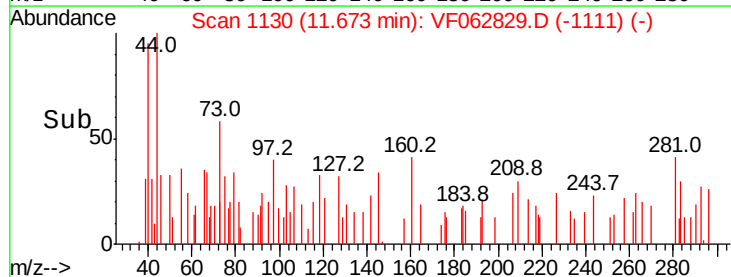
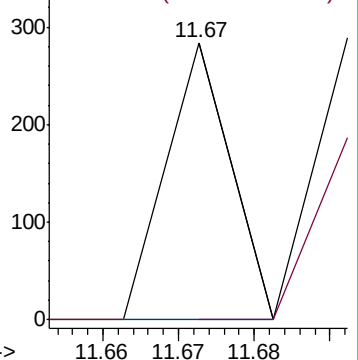
91 100

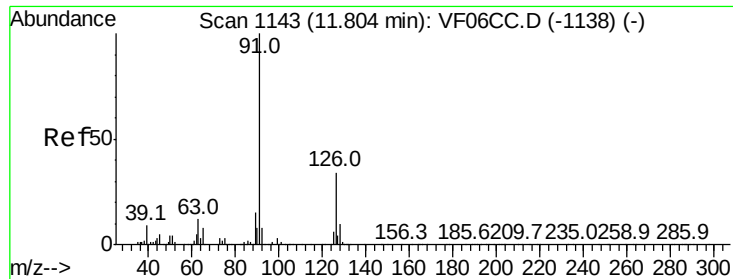
120 0.0 12.8 38.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

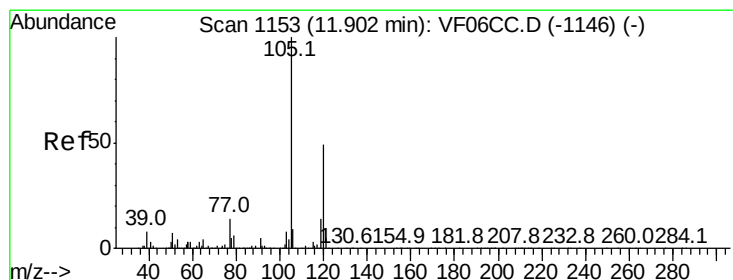
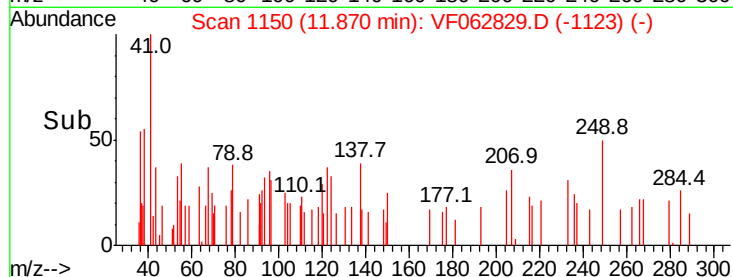
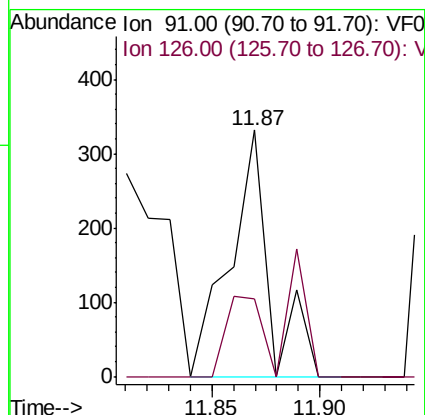
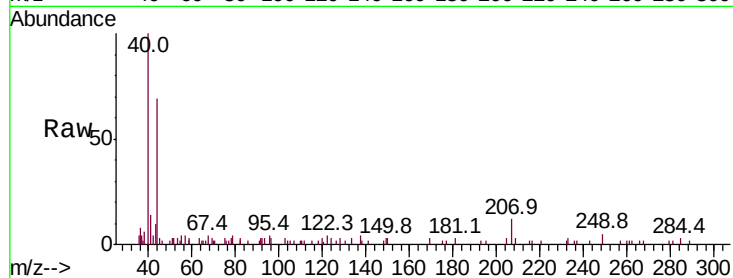




#79
2-Chlorotoluene
Concen: 67.816 ug/l
RT: 11.87 min Scan# 1150
Delta R.T. 0.06 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

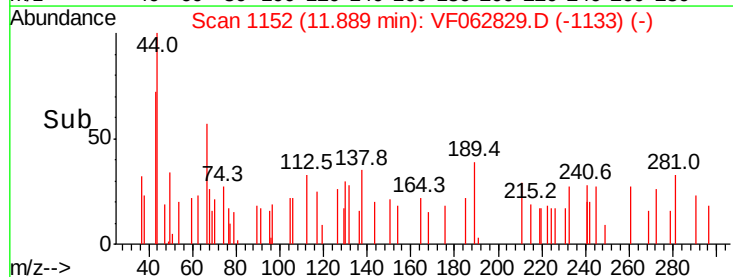
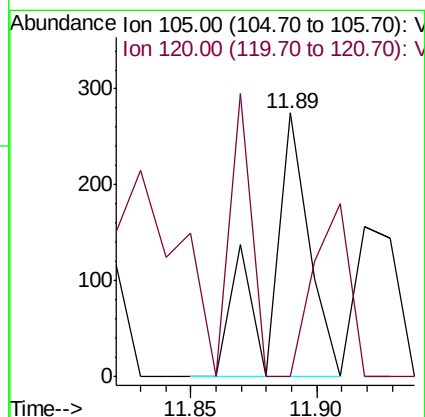
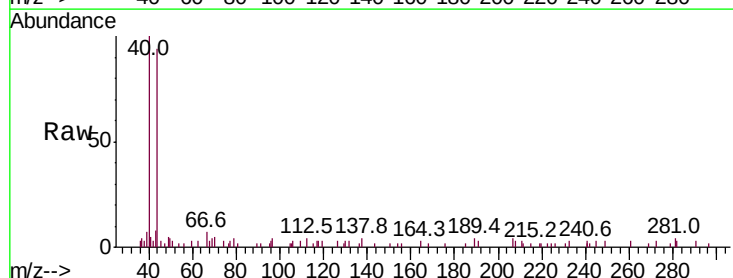
Instrument :
MSVOA_F
ClientSampleId :
0430-HR-10(HACKENSACK)

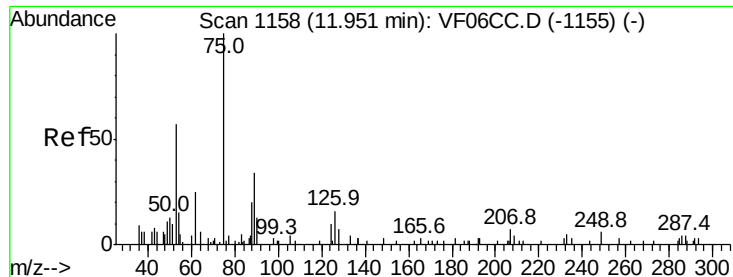
Tot Ion: 91 Resp: 425
Ion Ratio Lower Upper
91 100
126 31.3 17.8 53.3



#80
1,3,5-Trimethylbenzene
Concen: 41.116 ug/l
RT: 11.89 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VF062829.D
Acq: 3 Jun 2019 15:24

Tgt Ion: 105 Resp: 305
Ion Ratio Lower Upper
105 100
120 0.0 28.7 86.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 244.658 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

0430-HR-10(HACKENSACK)

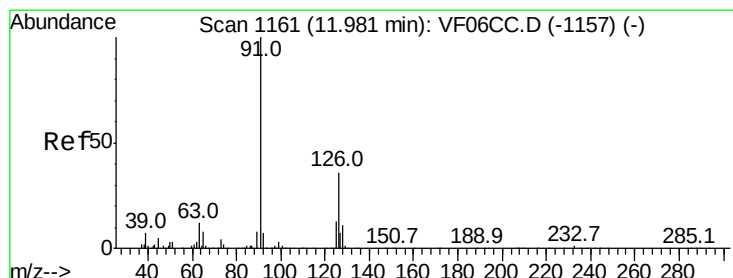
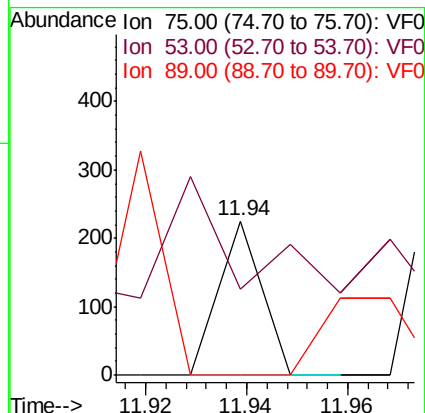
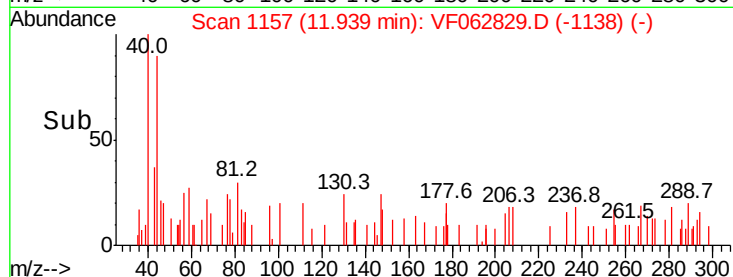
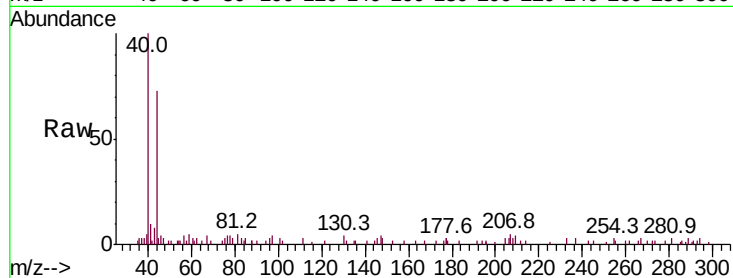
Tot Ion: 75 Resp: 133

Ion Ratio Lower Upper

75 100

53 55.6 43.5 65.3

89 0.0 34.3 51.5#



#82

4-Chlorotoluene

Concen: 69.007 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.11 min

Lab File: VF062829.D

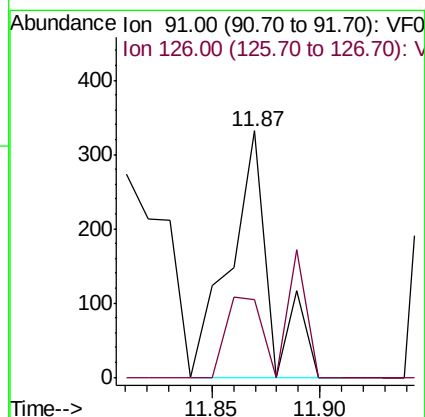
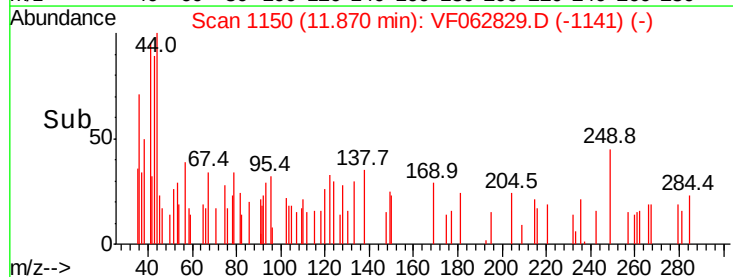
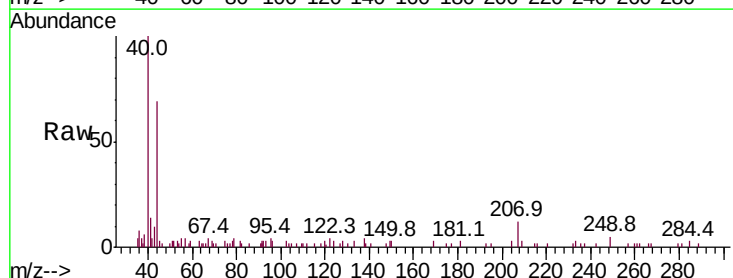
Acq: 3 Jun 2019 15:24

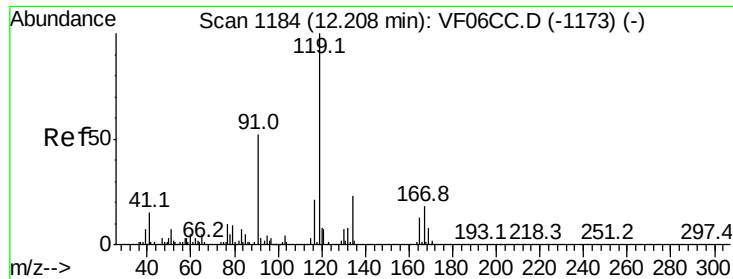
Tgt Ion: 91 Resp: 425

Ion Ratio Lower Upper

91 100

126 31.3 19.1 57.1

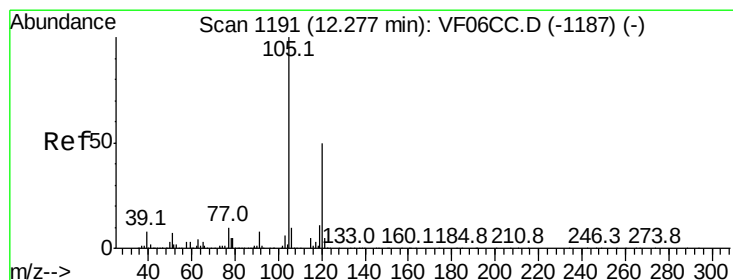
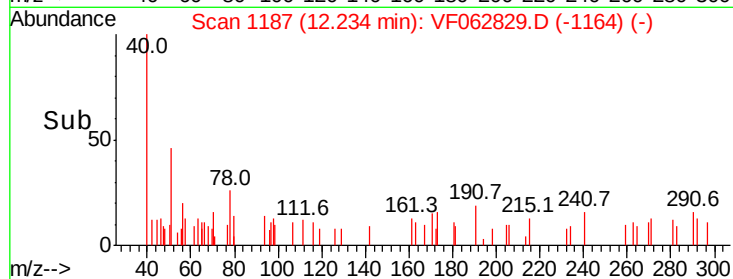
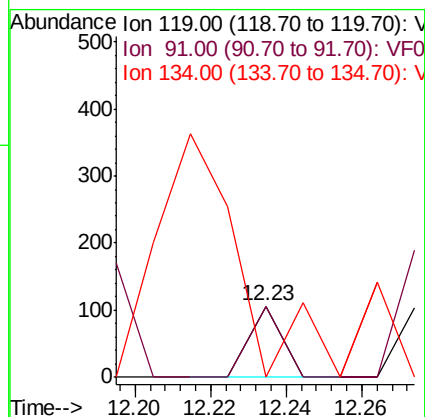
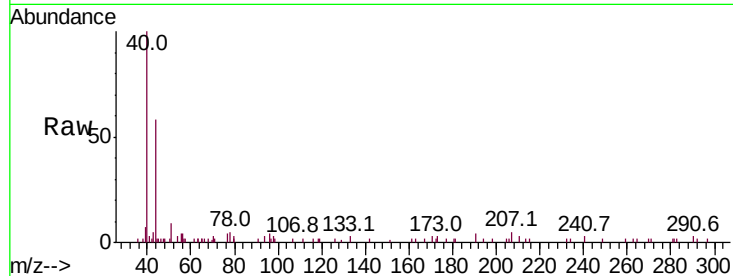




#83
 tert-Butylbenzene
 Concen: 8.571 ug/l
 RT: 12.23 min Scan# 1187
 Delta R.T. 0.02 min
 Lab File: VF062829.D
 Acq: 3 Jun 2019 15:24

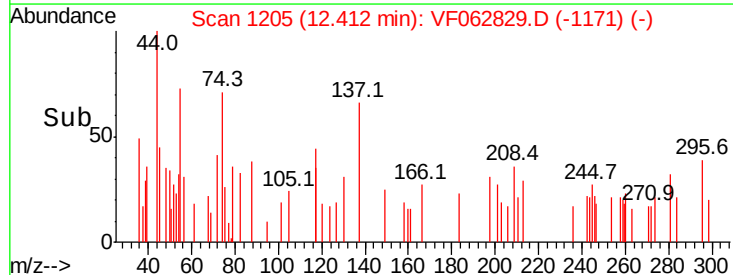
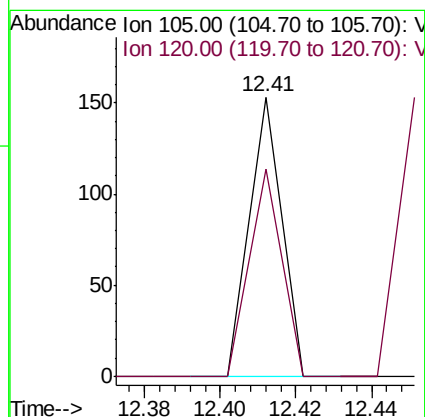
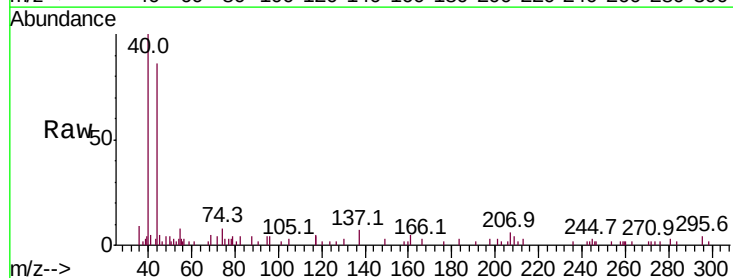
Instrument :
 MSVOA_F
 ClientSampleId :
 0430-HR-10(HACKENSACK)

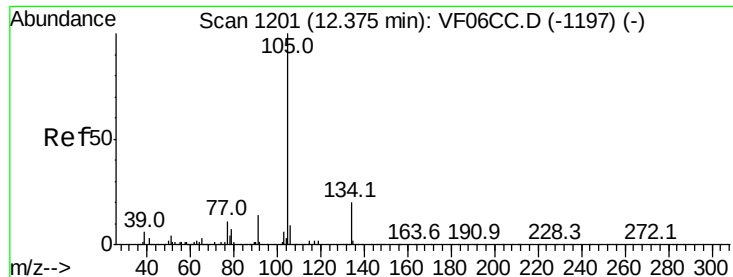
Tot Ion	Ratio	Lower	Upper
119	100		
91	99.1	28.9	86.7#
134	0.0	14.3	42.9#



#84
 1,2,4-Trimethylbenzene
 Concen: 12.796 ug/l
 RT: 12.41 min Scan# 1205
 Delta R.T. 0.13 min
 Lab File: VF062829.D
 Acq: 3 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	74.5	27.1	81.3





#85

sec-Butylbenzene

Concen: 9.292 ug/l

RT: 12.41 min Scan# 1205

Delta R.T. 0.03 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

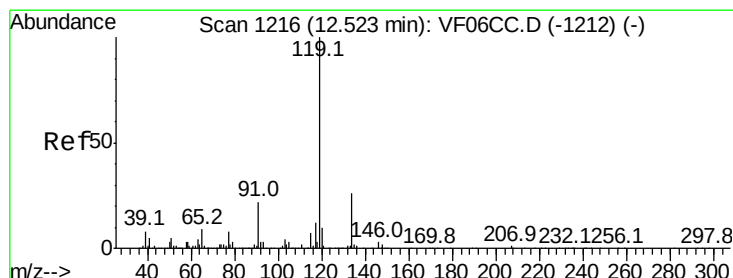
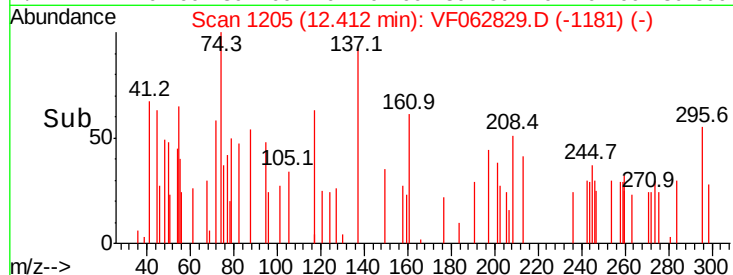
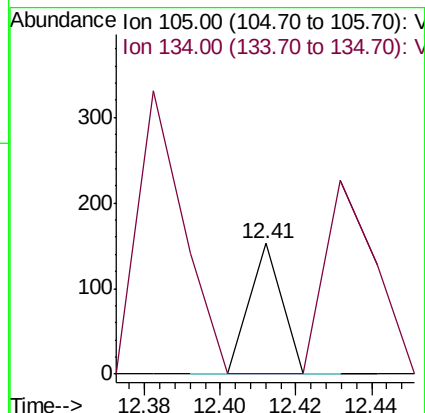
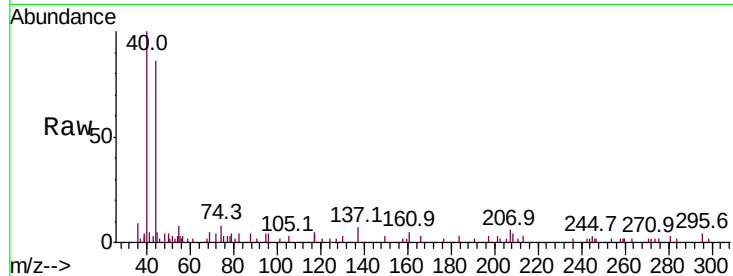
0430-HR-10(HACKENSACK)

Tot Ion:105 Resp: 90

Ion Ratio Lower Upper

105 100

134 0.0 10.5 31.6#



#86

p-Isopropyltoluene

Concen: 49.989 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.02 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

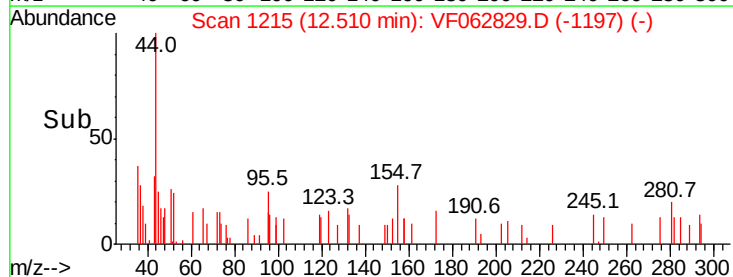
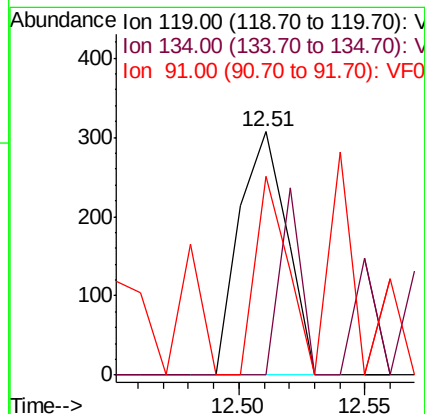
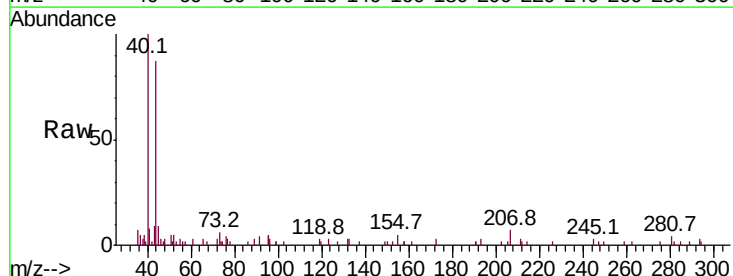
Tgt Ion:119 Resp: 403

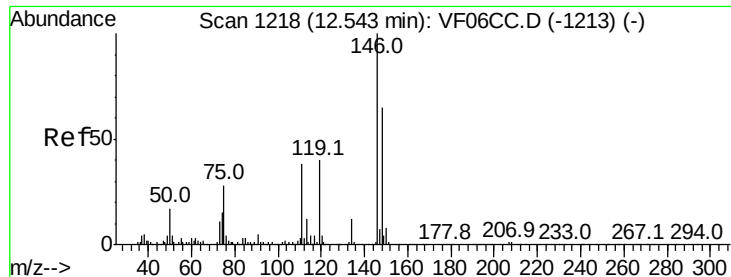
Ion Ratio Lower Upper

119 100

134 0.0 15.5 46.5#

91 81.8 10.3 30.9#





#87

1,3-Dichlorobenzene

Concen: 37.069 ug/l

RT: 12.60 min Scan# 1224

Delta R.T. 0.05 min

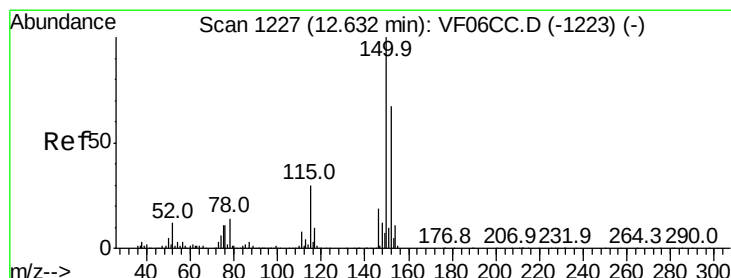
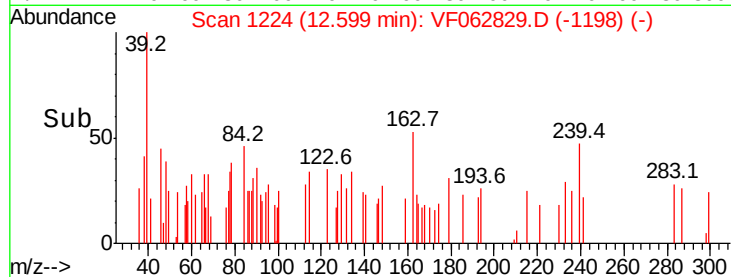
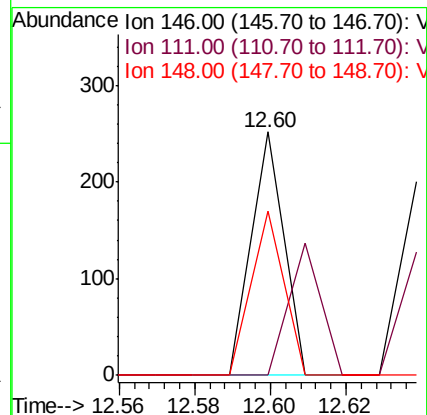
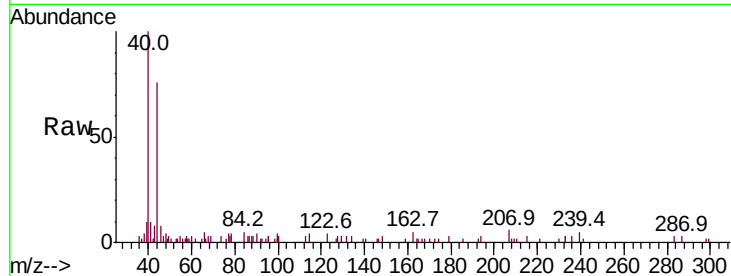
Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
0430-HR-10(HACKENSACK)

Tot Ion:146 Resp: 149

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.6	58.8#
148	67.5	34.2	102.5



#88

1,4-Dichlorobenzene

Concen: 56.249 ug/l

RT: 12.64 min Scan# 1228

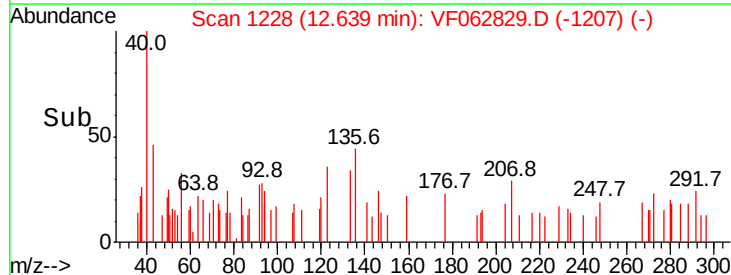
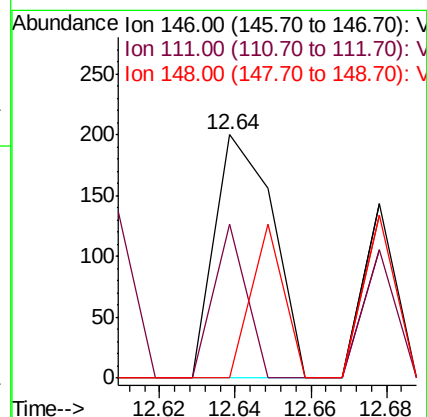
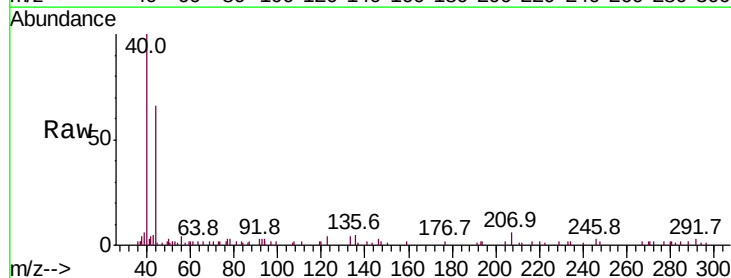
Delta R.T. 0.00 min

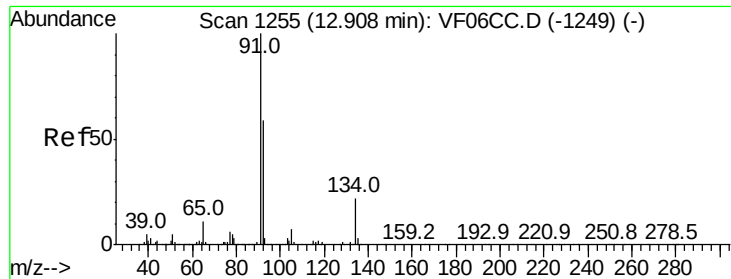
Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Tgt Ion:146 Resp: 211

Ion	Ratio	Lower	Upper
146	100		
111	63.5	20.3	60.9#
148	0.0	34.0	101.8#





#89

n-Butylbenzene

Concen: 63.258 ug/l

RT: 12.94 min Scan# 1259

Delta R.T. 0.03 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

0430-HR-10(HACKENSACK)

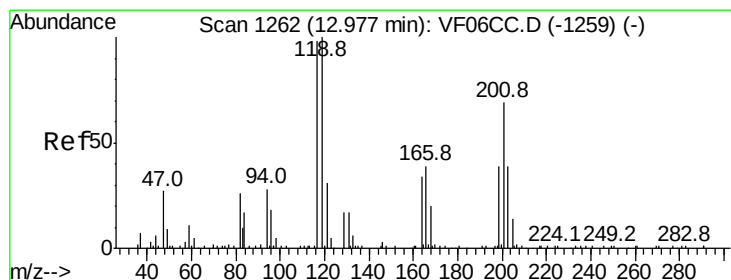
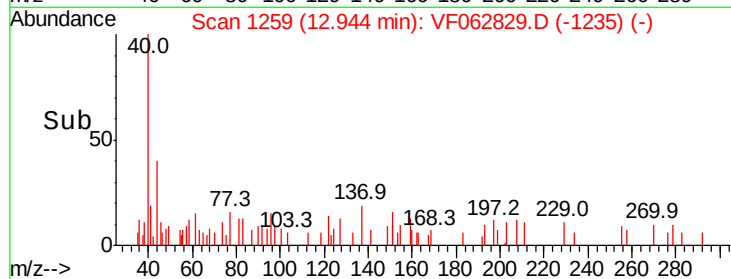
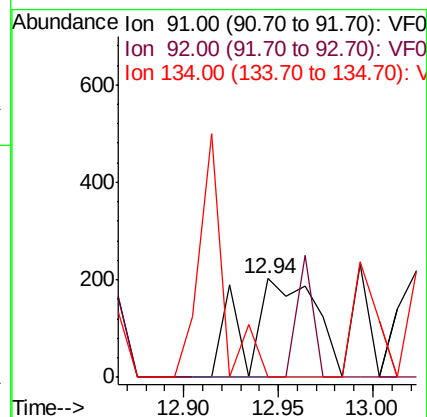
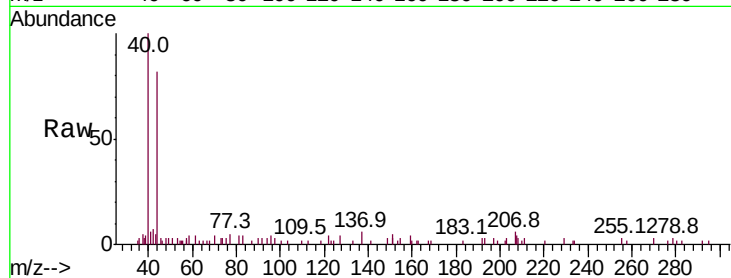
Tot Ion: 91 Resp: 513

Ion Ratio Lower Upper

91 100

92 0.0 34.2 102.6#

134 0.0 15.8 47.3#



#90

Hexachloroethane

Concen: 64.081 ug/l

RT: 12.83 min Scan# 1247

Delta R.T. -0.16 min

Lab File: VF062829.D

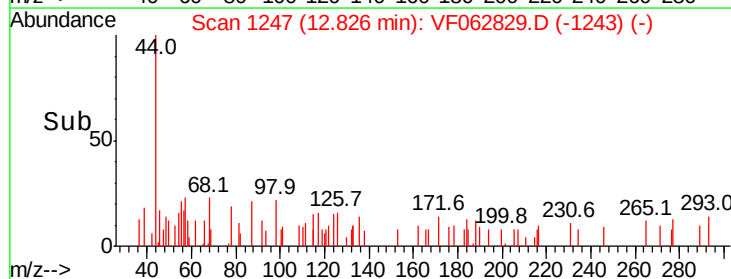
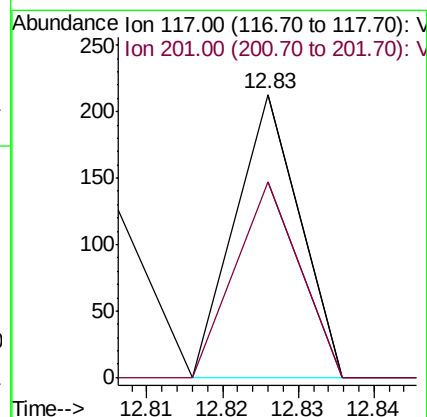
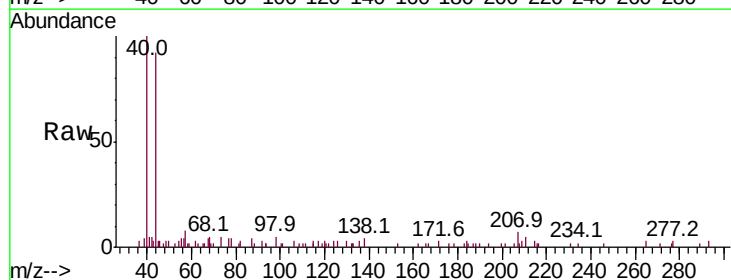
Acq: 3 Jun 2019 15:24

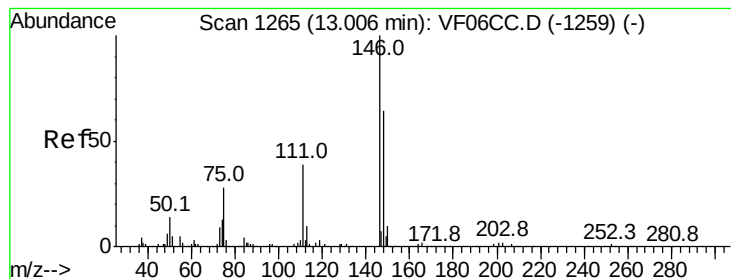
Tgt Ion: 117 Resp: 126

Ion Ratio Lower Upper

117 100

201 69.0 38.9 116.7





#91

1,2-Dichlorobenzene

Concen: 25.475 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

0430-HR-10(HACKENSACK)

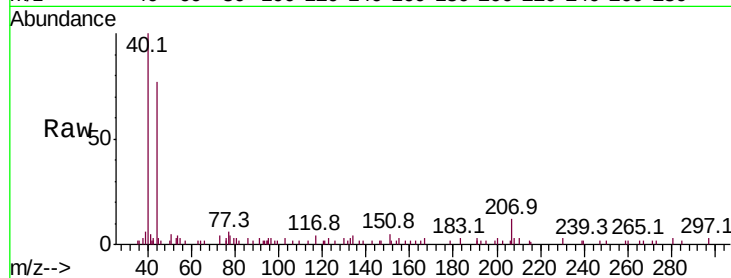
Tot Ion:146 Resp: 90

Ion Ratio Lower Upper

146 100

111 0.0 20.4 61.3#

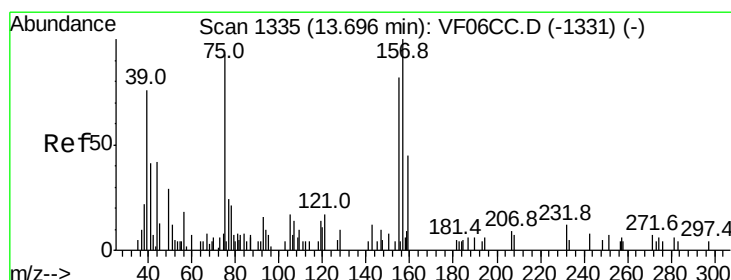
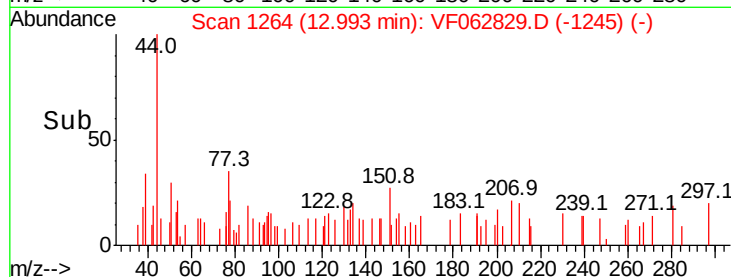
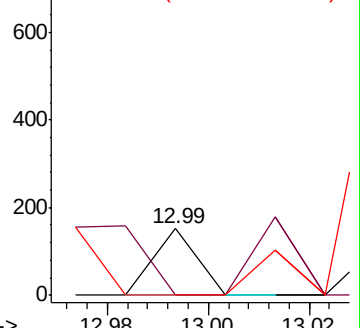
148 0.0 34.1 102.3#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 326.950 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. 0.02 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

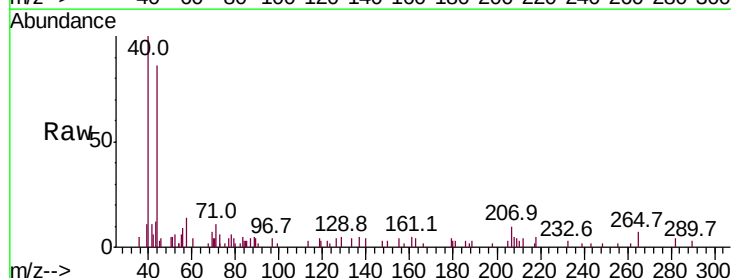
Tgt Ion: 75 Resp: 69

Ion Ratio Lower Upper

75 100

155 174.4 51.7 155.1#

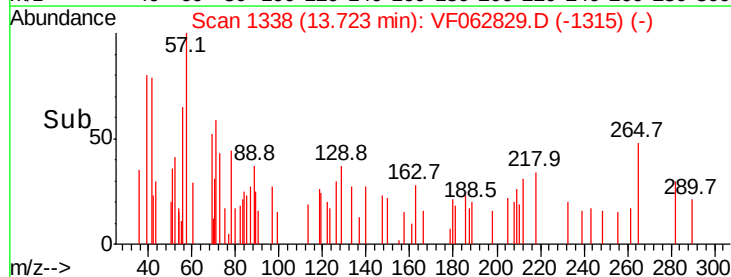
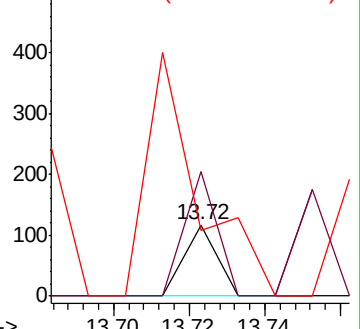
157 91.5 66.8 200.6

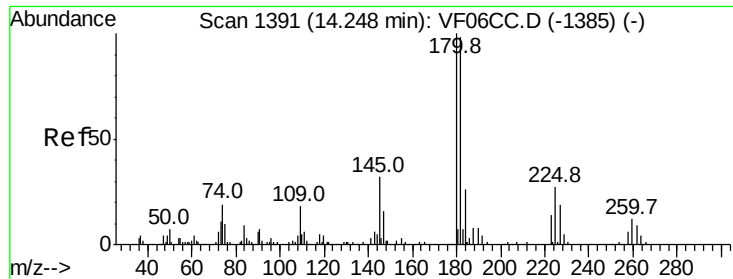


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

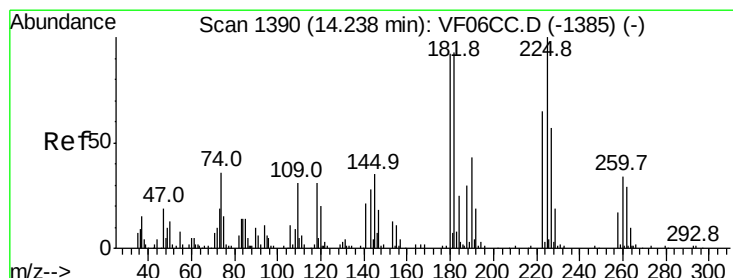
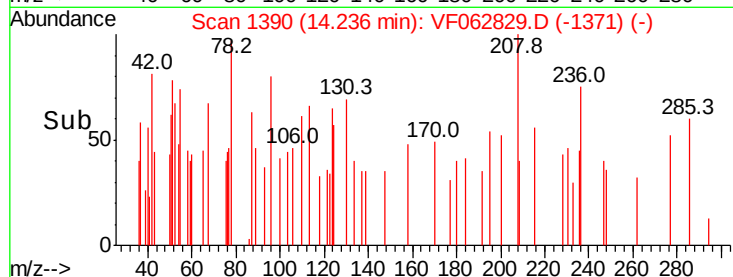
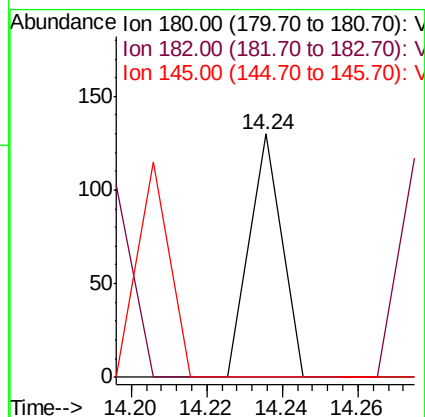
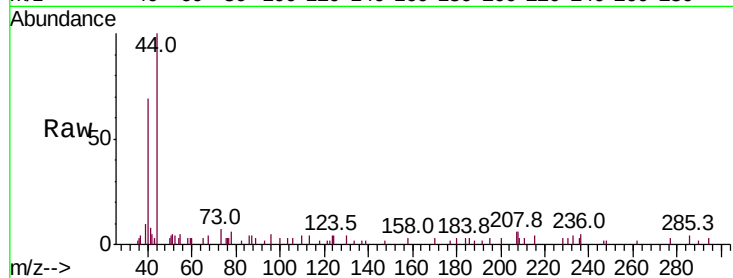




#93
 1,2,4-Trichlorobenzene
 Concen: 31.743 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062829.D
 Acq: 3 Jun 2019 15:24

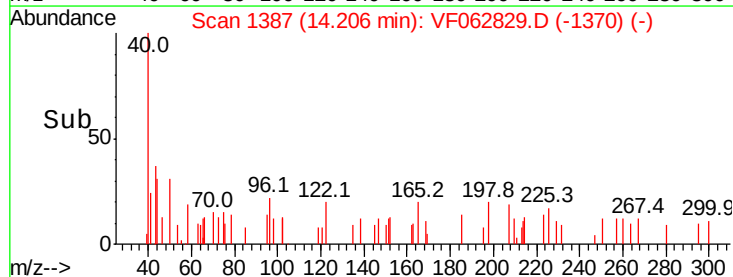
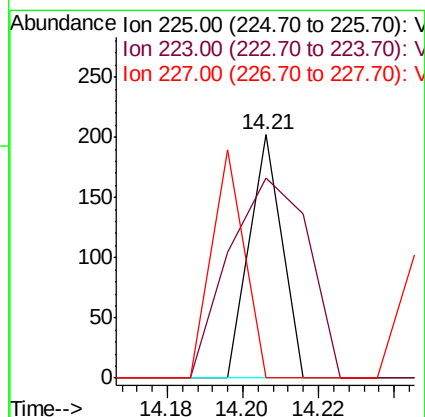
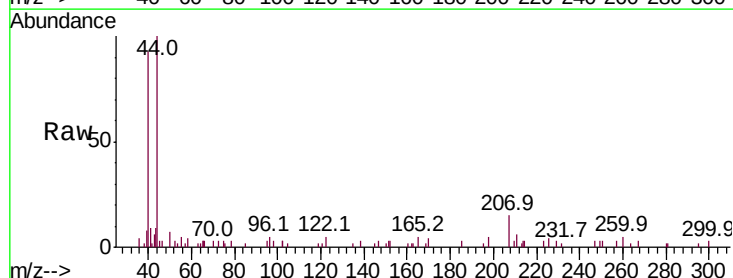
Instrument :
 MSVOA_F
 ClientSampleId :
 0430-HR-10(HACKENSACK)

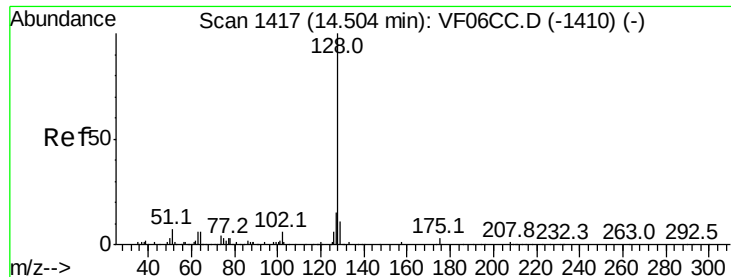
Tot Ion:180 Resp: 77
 Ion Ratio Lower Upper
 180 100
 182 0.0 50.3 150.9#
 145 0.0 15.4 46.2#



#94
 Hexachlorobutadiene
 Concen: 70.911 ug/l
 RT: 14.21 min Scan# 1387
 Delta R.T. -0.03 min
 Lab File: VF062829.D
 Acq: 3 Jun 2019 15:24

Tgt Ion:225 Resp: 119
 Ion Ratio Lower Upper
 225 100
 223 82.2 30.8 92.4
 227 0.0 31.9 95.5#





#95

Naphthalene

Concen: 32.712 ug/l

RT: 14.54 min Scan# 1421

Delta R.T. 0.03 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

0430-HR-10(HACKENSACK)

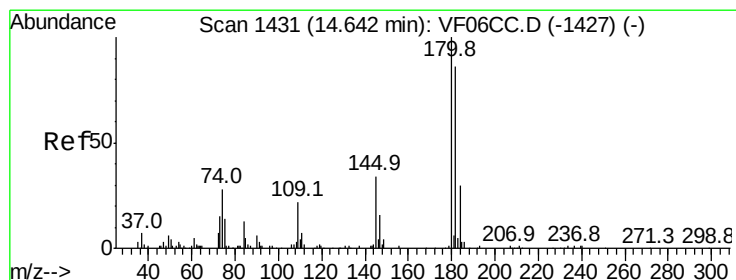
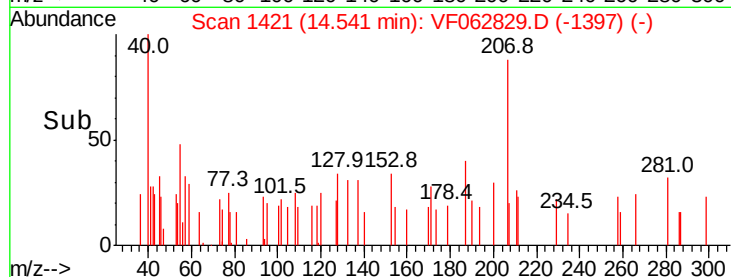
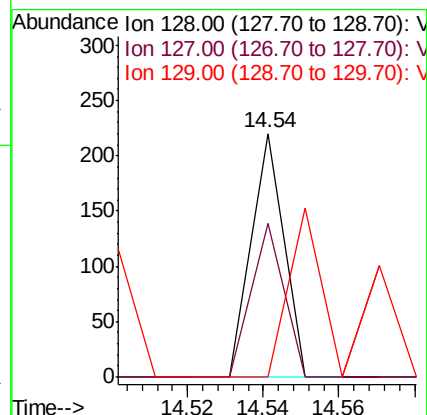
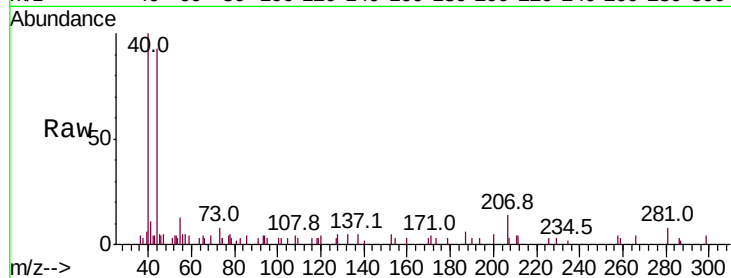
Tot Ion:128 Resp: 130

Ion Ratio Lower Upper

128 100

127 63.2 9.7 14.5#

129 0.0 9.4 14.2#



#96

1,2,3-Trichlorobenzene

Concen: 27.097 ug/l

RT: 14.57 min Scan# 1424

Delta R.T. -0.07 min

Lab File: VF062829.D

Acq: 3 Jun 2019 15:24

Tgt Ion:180 Resp: 60

Ion Ratio Lower Upper

180 100

182 0.0 48.6 145.9#

145 0.0 15.7 47.0#

