

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060319\
 Data File : VF062830.D
 Acq On : 3 Jun 2019 15:52
 Operator : FY/SY
 Sample : K3097-11
 Misc : 5.11g/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 0431-HR-11(HACKENSACK)

Quant Time: Jun 04 08:52:55 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	5.09	168	65	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.98	114	177	50.00	ug/l	0.17
63) Chlorobenzene-d5	10.25	117	164	50.00	ug/l	0.32
72) 1,4-Dichlorobenzene-d4	12.65	152	376	50.00	ug/l	0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	511	1136.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2273.74%	
35) Dibromofluoromethane	4.43	113	102	76.26	ug/l	0.10
Spiked Amount	50.000		Recovery	=	152.52%	
50) Toluene-d8	8.12	98	256	75.69	ug/l	0.38
Spiked Amount	50.000		Recovery	=	151.38%	
62) 4-Bromofluorobenzene	11.86	95	547	449.60	ug/l	0.35
Spiked Amount	50.000		Recovery	=	899.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	198	289.877	ug/l #	1
3) Chloromethane	1.09	50	1327	1973.058	ug/l	98
4) Vinyl Chloride	1.19	62	150	224.435	ug/l #	42
5) Bromomethane	1.35	94	280	734.607	ug/l	97
6) Chloroethane	1.41	64	289	1156.524	ug/l	94
7) Trichlorofluoromethane	1.58	101	215	227.235	ug/l	97
8) Diethyl Ether	1.75	74	124	666.130	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.93	101	137	230.309	ug/l #	38
10) Methyl Iodide	2.05	142	146	122.409	ug/l #	36
11) Tert butyl alcohol	2.71	59	141	5178.299	ug/l #	1
12) 1,1-Dichloroethene	1.92	96	578	1070.067	ug/l #	1
13) Acrolein	2.16	56	180	17098.947	ug/l	98
14) Allyl chloride	2.20	41	648	1546.362	ug/l #	30
15) Acrylonitrile	3.12	53	138	1348.773	ug/l #	1
16) Acetone	2.43	43	2084	20257.468	ug/l	98
17) Carbon Disulfide	1.92	76	251	158.989	ug/l #	68
18) Methyl Acetate	2.55	43	561	3120.579	ug/l #	47
19) Methyl tert-butyl Ether	2.55	73	373	381.152	ug/l #	1
20) Methylene Chloride	2.35	84	549	1130.195	ug/l #	12
21) trans-1,2-Dichloroethene	2.47	96	179	330.511	ug/l #	1
22) Diisopropyl ether	2.97	45	275	230.985	ug/l #	42
23) Vinyl Acetate	3.35	43	957	1174.144	ug/l #	73
24) 1,1-Dichloroethane	3.04	63	257	289.115	ug/l #	1
25) 2-Butanone	4.70	43	525	2191.388	ug/l	91
26) 2,2-Dichloropropane	3.85	77	1148	2274.486	ug/l	78
27) cis-1,2-Dichloroethene	3.70	96	317	348.208	ug/l	19
28) Bromochloromethane	3.92	49	77	159.247	ug/l #	52
29) Tetrahydrofuran	4.29	42	620	6766.313	ug/l #	29
30) Chloroform	4.06	83	82	65.453	ug/l #	15
31) Cyclohexane	3.92	56	245	203.578	ug/l #	22
32) 1,1,1-Trichloroethane	4.36	97	270	370.156	ug/l #	1
36) 1,1-Dichloropropene	4.63	75	86	52.779	ug/l #	5
37) Ethyl Acetate	4.45	43	751	1205.690	ug/l #	46
38) Carbon Tetrachloride	4.30	117	350	317.823	ug/l #	11

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.82	83	142	70.020	ug/l	89
40) Benzene	4.99	78	529	111.550	ug/l #	1
41) Methacrylonitrile	5.13	41	1781	5143.356	ug/l #	48
42) 1,2-Dichloroethane	5.30	62	63	69.849	ug/l	69
43) Isopropyl Acetate	7.37	43	700	850.722	ug/l #	38
44) Trichloroethene	5.88	130	109	81.442	ug/l	65
45) 1,2-Dichloropropane	6.62	63	435	365.529	ug/l #	76
46) Dibromomethane	6.48	93	78	112.261	ug/l #	33
47) Bromodichloromethane	6.79	83	511	361.126	ug/l #	72
48) Methyl methacrylate	7.13	41	382	900.821	ug/l #	49
49) 1,4-Dioxane	7.06	88	205	36675.531	ug/l #	42
51) 4-Methyl-2-Pentanone	8.69	43	1143	1945.692	ug/l #	32
52) Toluene	8.07	92	458	179.309	ug/l #	34
53) t-1,3-Dichloropropene	8.75	75	820	699.329	ug/l	92
54) cis-1,3-Dichloropropene	7.73	75	515	303.424	ug/l #	81
55) 1,1,2-Trichloroethane	8.90	97	135	176.915	ug/l #	35
56) Ethyl methacrylate	9.05	69	358	437.246	ug/l #	1
57) 1,3-Dichloropropane	9.31	76	245	196.611	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.72	63	307	1072.872	ug/l #	8
59) 2-Hexanone	9.95	43	1072	2560.204	ug/l	69
60) Dibromochloromethane	9.00	129	355	375.766	ug/l	88
61) 1,2-Dibromoethane	9.50	107	80	100.946	ug/l	87
64) Tetrachloroethene	8.31	164	129	102.361	ug/l #	24
65) Chlorobenzene	9.95	112	60	18.945	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.11	131	64	50.740	ug/l #	1
67) Ethyl Benzene	10.05	91	145	26.680	ug/l #	42
68) m/p-Xylenes	10.26	106	79	37.986	ug/l #	65
69) o-Xylene	10.82	106	63	29.919	ug/l	56
70) Styrene	10.99	104	155	49.942	ug/l	99
71) Bromoform	10.91	173	114	188.405	ug/l #	28
73) Isopropylbenzene	11.24	105	123	4.688	ug/l #	44
74) N-amyl acetate	11.45	43	573	77.491	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	11.78	83	61	10.888	ug/l #	1
76) 1,2,3-Trichloropropane	11.89	75	425	114.438	ug/l #	21
77) Bromobenzene	11.61	156	121	18.356	ug/l	64
78) n-propylbenzene	11.68	91	342	10.796	ug/l #	49
79) 2-Chlorotoluene	11.79	91	138	7.613	ug/l #	27
80) 1,3,5-Trimethylbenzene	11.98	105	96	4.474	ug/l	62
81) trans-1,4-Dichloro-2-buten	11.97	75	221	140.558	ug/l #	56
82) 4-Chlorotoluene	11.97	91	403	22.624	ug/l	90
83) tert-Butylbenzene	12.20	119	393	18.486	ug/l #	64
84) 1,2,4-Trimethylbenzene	12.42	105	135	6.636	ug/l	67
85) sec-Butylbenzene	12.36	105	72	2.570	ug/l #	55
86) p-Isopropyltoluene	12.52	119	374	16.040	ug/l #	54
87) 1,3-Dichlorobenzene	12.55	146	63	5.419	ug/l #	4
88) 1,4-Dichlorobenzene	12.62	146	215	19.816	ug/l #	40
89) n-Butylbenzene	12.92	91	247	10.531	ug/l #	24
90) Hexachloroethane	13.06	117	200	35.168	ug/l #	10
91) 1,2-Dichlorobenzene	13.01	146	160	15.658	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.71	75	93	152.360	ug/l #	1

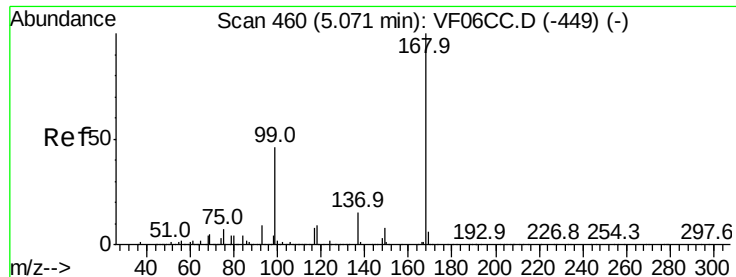
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	64	9.122	ug/l #	1
94) Hexachlorobutadiene	14.22	225	143	29.462	ug/l #	19
95) Naphthalene	14.49	128	134	11.658	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.66	180	165	25.763	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.09 min Scan# 462

Delta R.T. 0.02 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

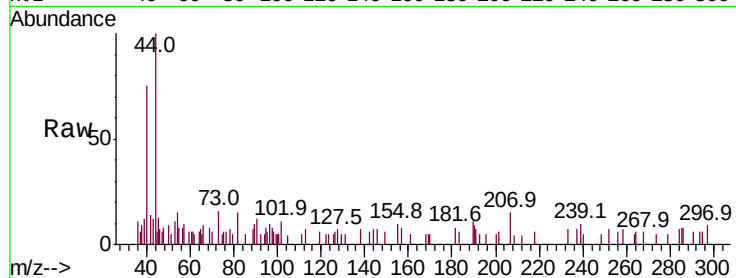
0431-HR-11(HACKENSACK)

Tot Ion:168 Resp: 65

Ion Ratio Lower Upper

168 100

99 101.8 39.1 58.7#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

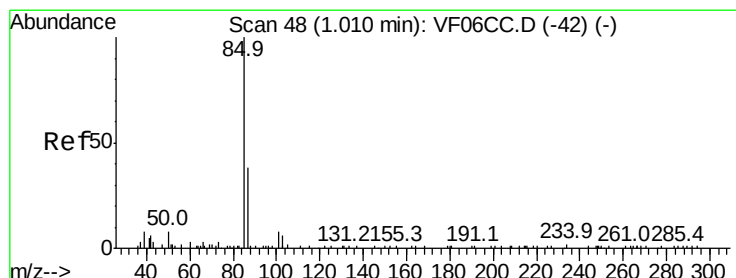
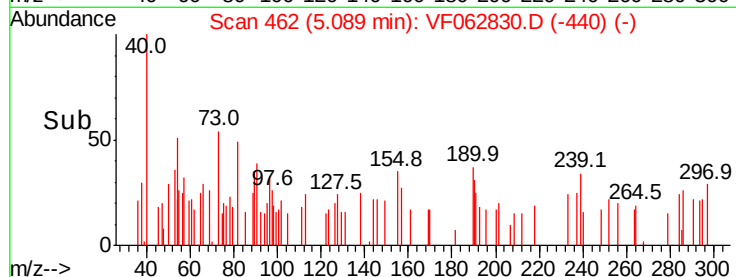
5.09

100

50

0

Time-->



#2

Dichlorodifluoromethane

Concen: 289.877 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062830.D

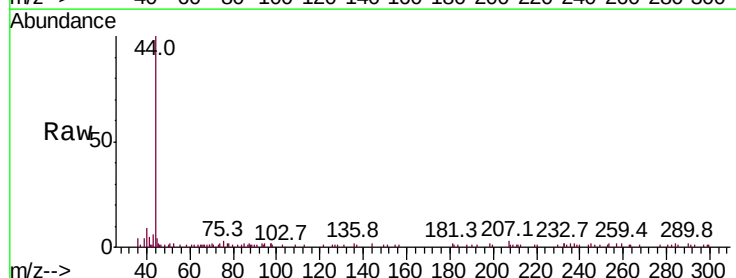
Acq: 3 Jun 2019 15:52

Tgt Ion: 85 Resp: 198

Ion Ratio Lower Upper

85 100

87 182.9 17.6 52.9#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

400

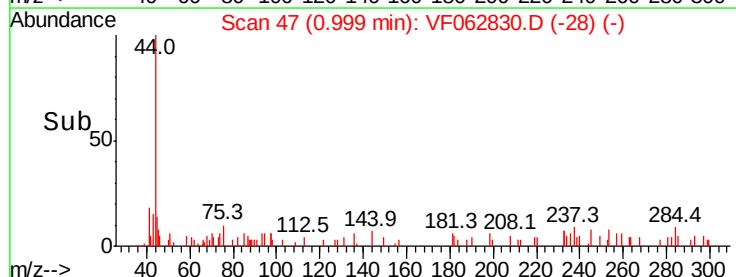
300

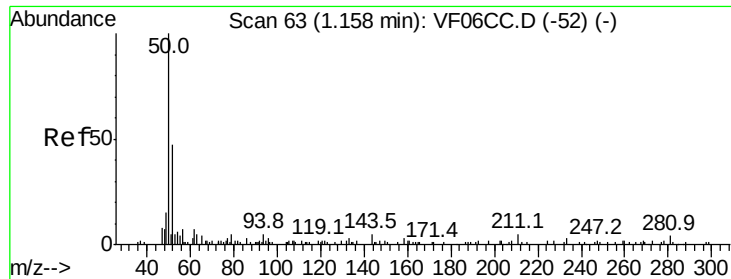
200

100

0

Time-->





#3

Chloromethane

Concen: 1973.058 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.06 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

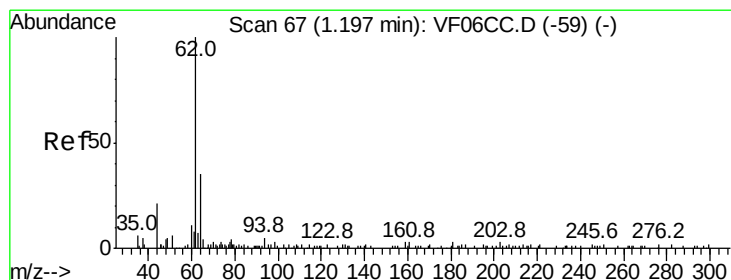
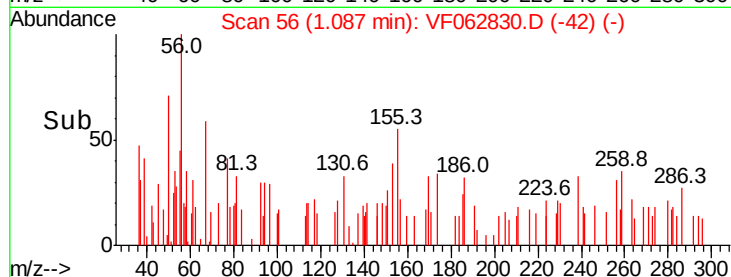
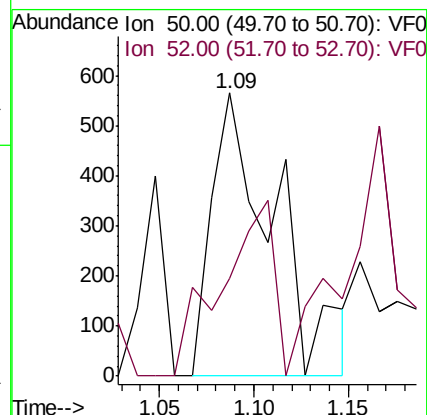
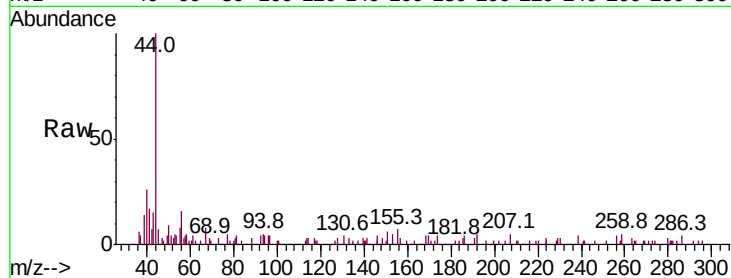
0431-HR-11(HACKENSACK)

Tot Ion: 50 Resp: 1327

Ion Ratio Lower Upper

50 100

52 34.7 27.0 40.4



#4

Vinyl Chloride

Concen: 224.435 ug/l

RT: 1.19 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062830.D

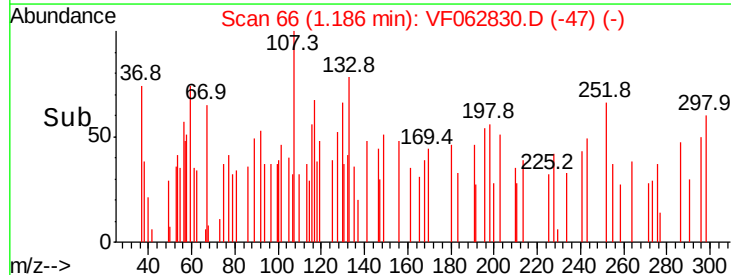
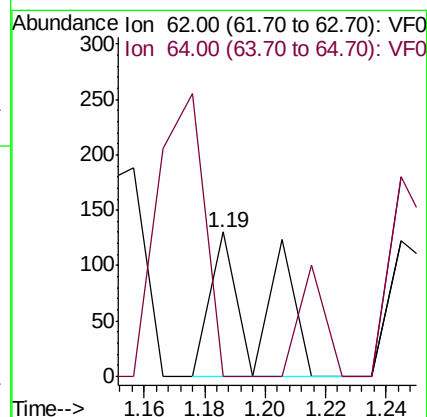
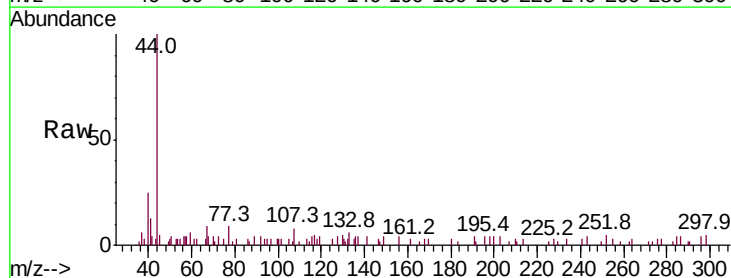
Acq: 3 Jun 2019 15:52

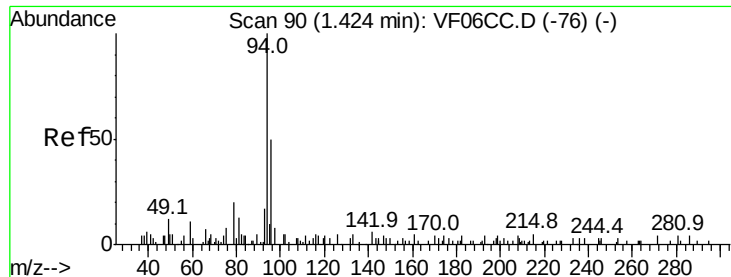
Tgt Ion: 62 Resp: 150

Ion Ratio Lower Upper

62 100

64 0.0 26.2 39.2#





#5

Bromomethane

Concen: 734.607 ug/l

RT: 1.35 min Scan# 83

Delta R.T. -0.05 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

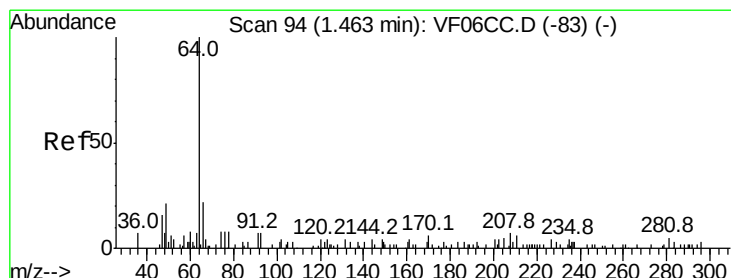
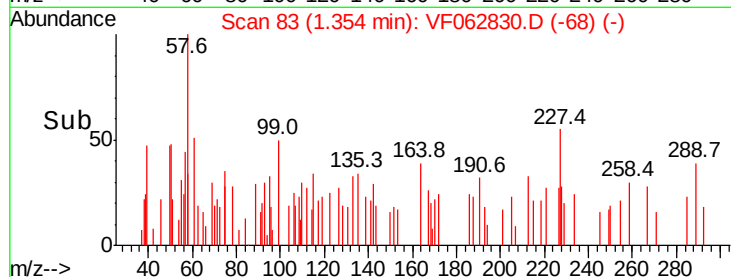
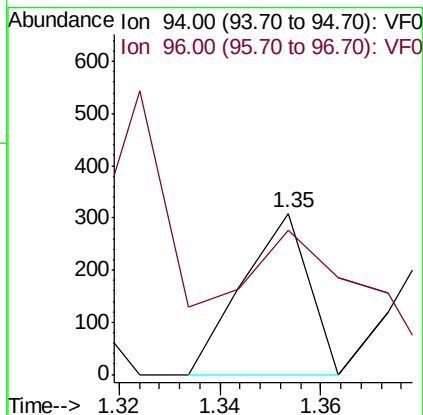
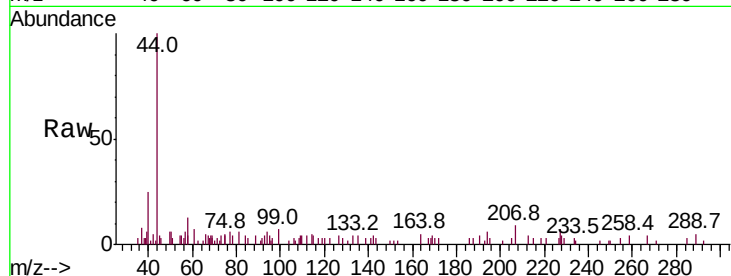
0431-HR-11(HACKENSACK)

Tot Ion: 94 Resp: 280

Ion Ratio Lower Upper

94 100

96 89.6 73.8 110.6



#6

Chloroethane

Concen: 1156.524 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.05 min

Lab File: VF062830.D

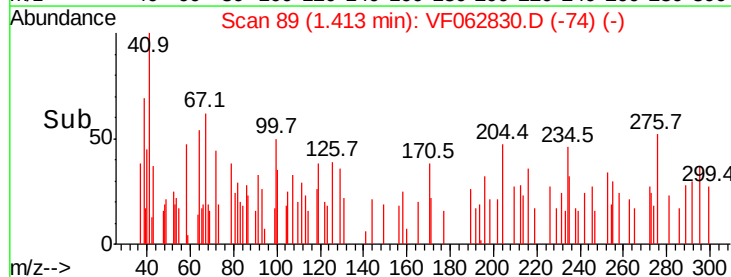
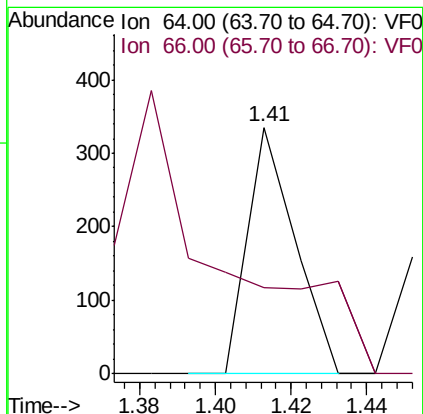
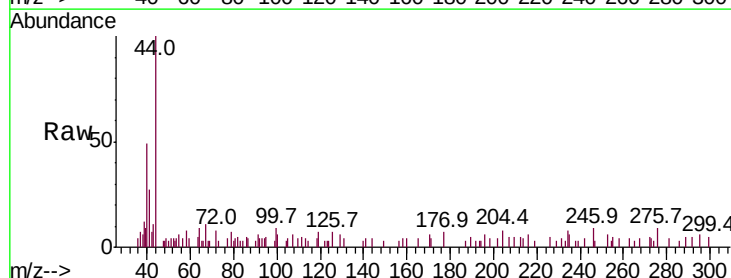
Acq: 3 Jun 2019 15:52

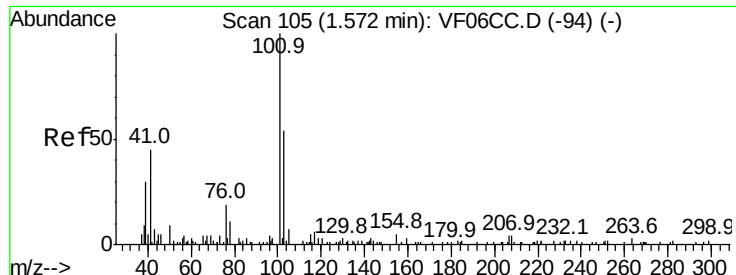
Tgt Ion: 64 Resp: 289

Ion Ratio Lower Upper

64 100

66 34.9 31.0 46.4



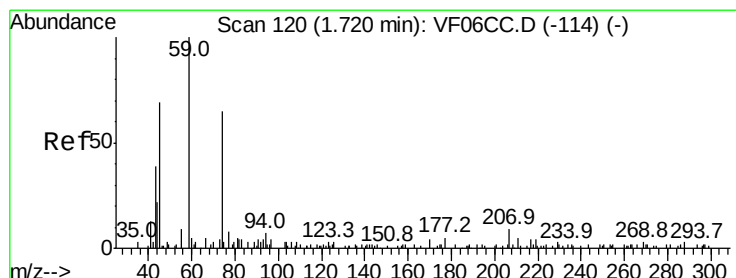
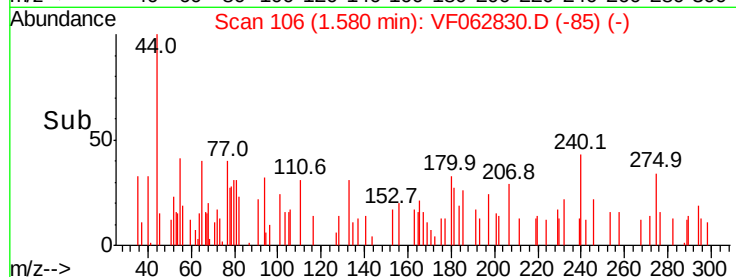
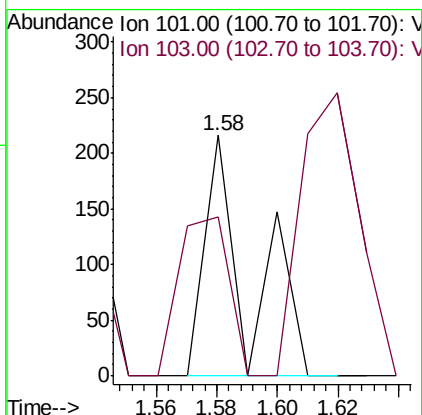
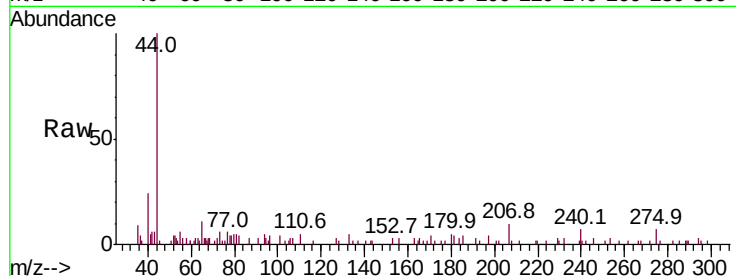


#7

Trichlorofluoromethane
 Concen: 227.235 ug/l
 RT: 1.58 min Scan# 106
 Delta R.T. 0.01 min
 Lab File: VF062830.D
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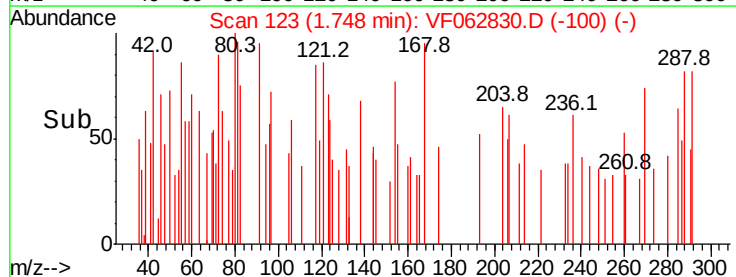
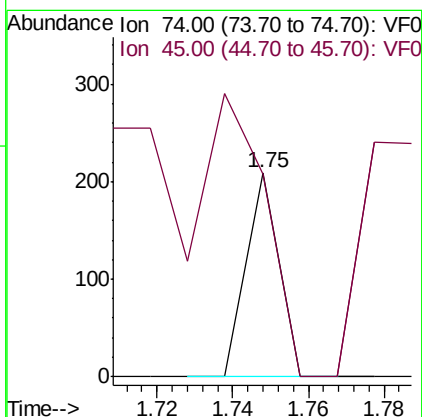
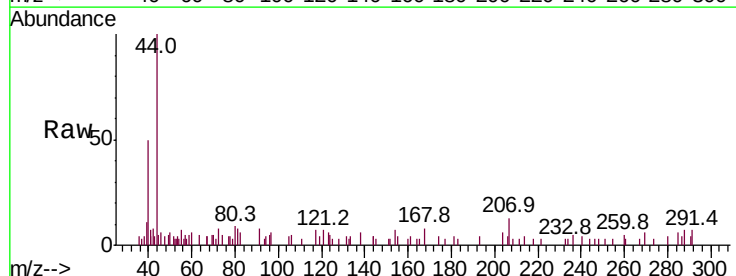
Tot Ion:101 Resp: 215
 Ion Ratio Lower Upper
 101 100
 103 66.2 54.6 82.0

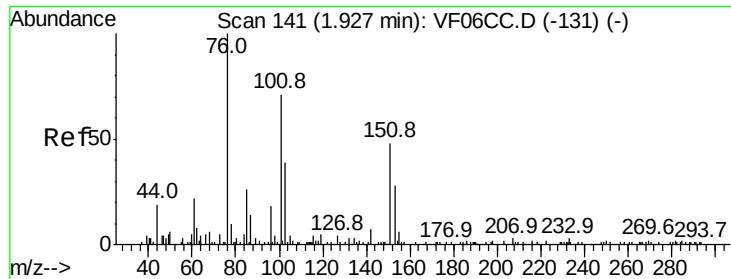


#8

Diethyl Ether
 Concen: 666.130 ug/l
 RT: 1.75 min Scan# 123
 Delta R.T. 0.03 min
 Lab File: VF062830.D
 Acq: 3 Jun 2019 15:52

Tgt Ion: 74 Resp: 124
 Ion Ratio Lower Upper
 74 100
 45 99.5 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 230.309 ug/l

RT: 1.93 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

0431-HR-11(HACKENSACK)

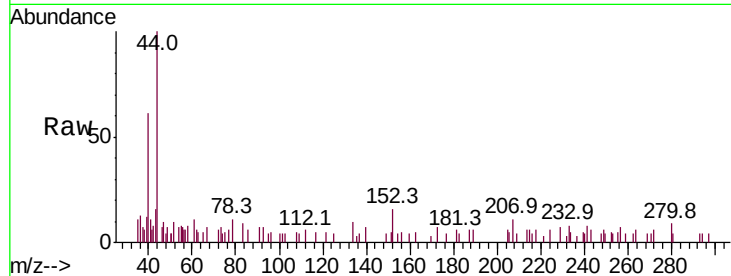
Tot Ion:101 Resp: 137

Ion Ratio Lower Upper

101 100

85 0.0 37.1 55.7#

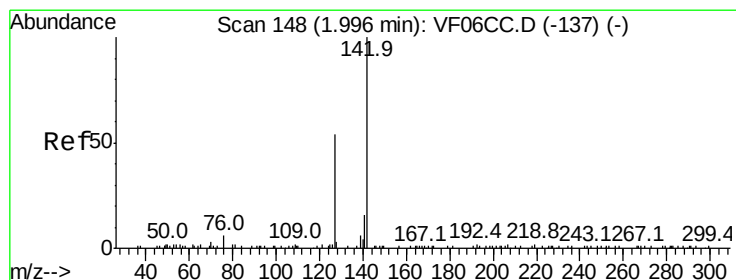
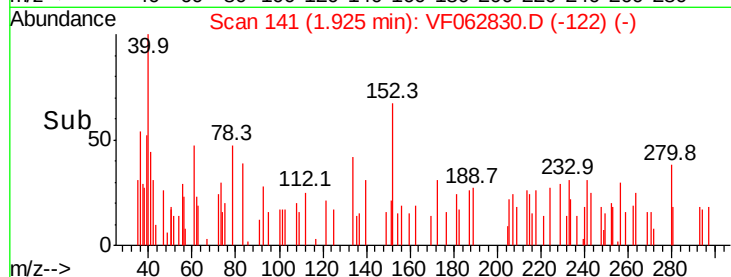
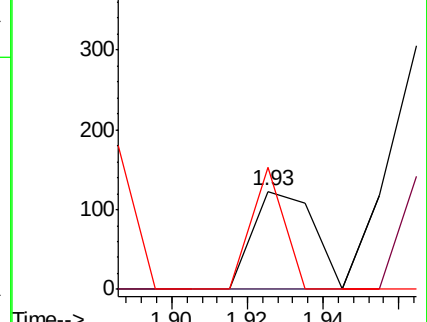
151 124.4 60.3 90.5#



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: 122.409 ug/l

RT: 2.05 min Scan# 154

Delta R.T. 0.04 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

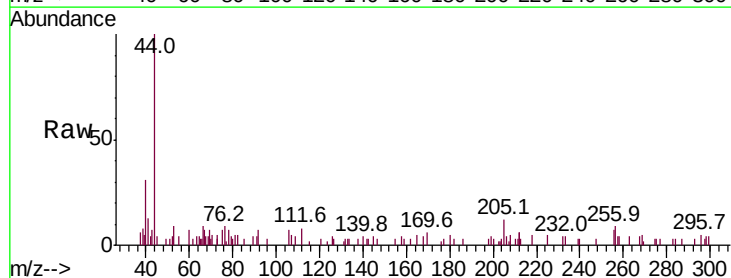
Tgt Ion:142 Resp: 146

Ion Ratio Lower Upper

142 100

127 0.0 39.4 59.2#

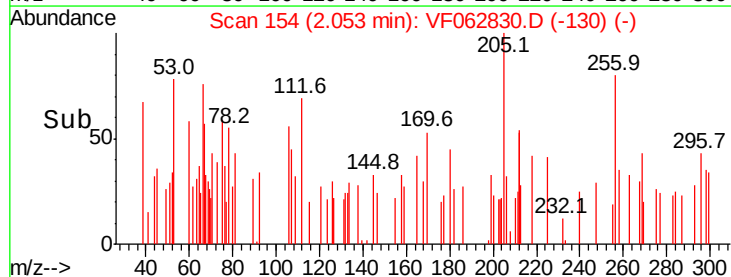
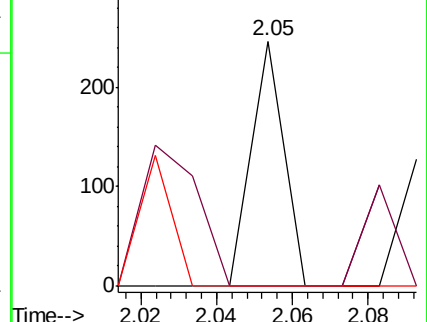
141 0.0 10.6 15.8#

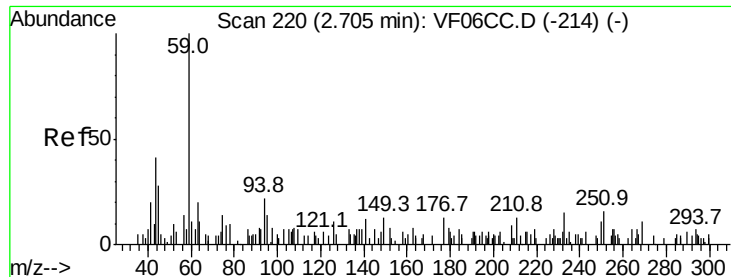


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



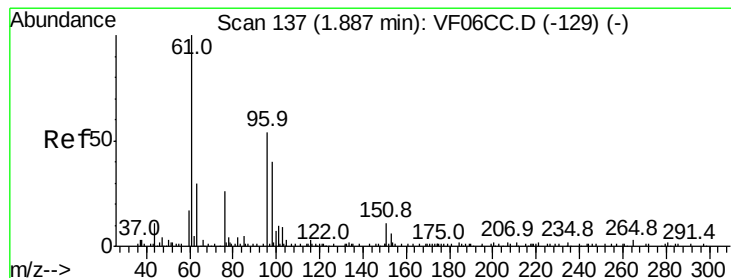
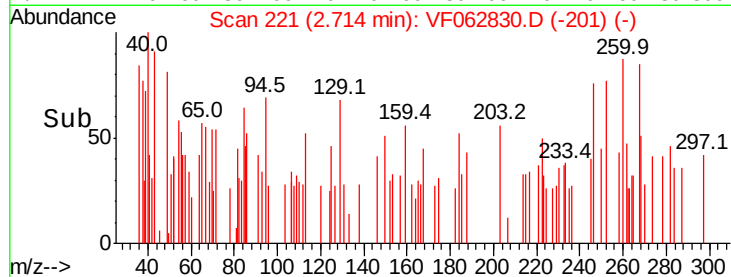
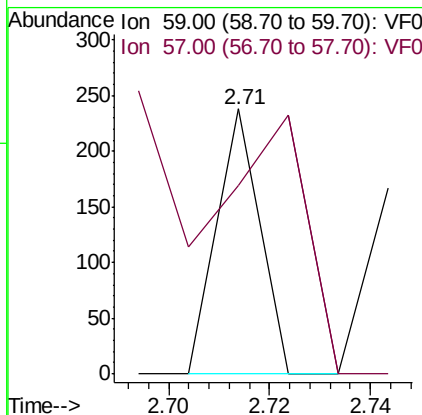
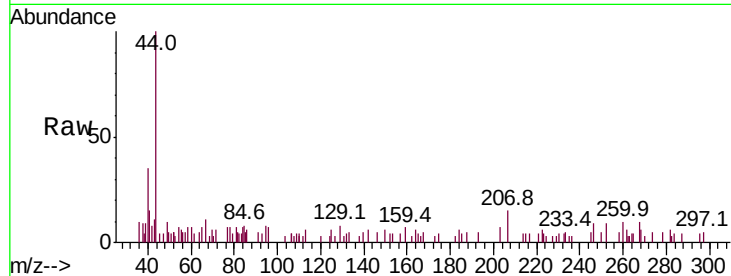


#11

Tert butyl alcohol
Concen: 5178.299 ug/l
RT: 2.71 min Scan# 221
Delta R.T. -0.00 min
Lab File: VF062830.D
Acq: 3 Jun 2019 15:52

Instrument :
MSVOA_F
ClientSampleId :
0431-HR-11(HACKENSACK)

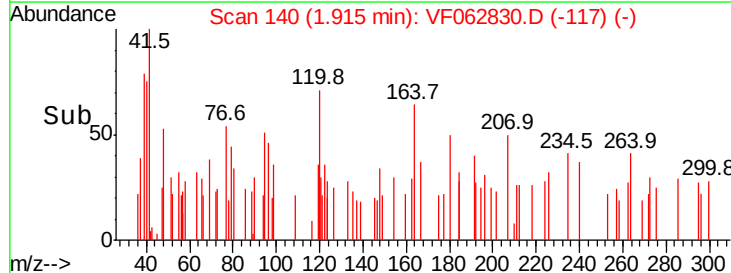
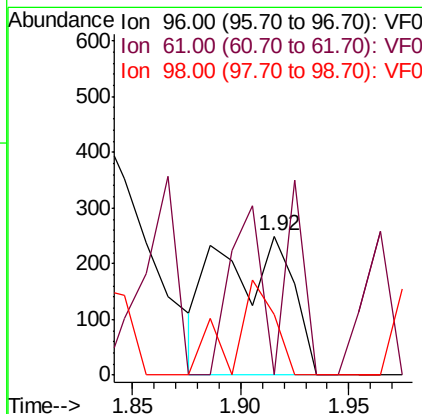
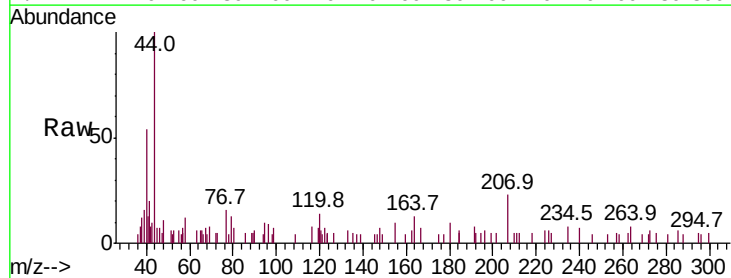
Tot Ion: 59 Resp: 141
Ion Ratio Lower Upper
59 100
57 71.0 9.2 13.8#

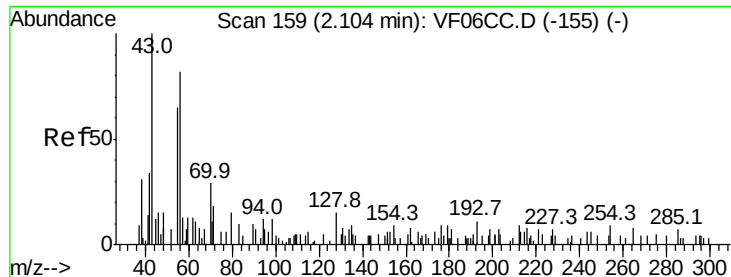


#12

1,1-Dichloroethene
Concen: 1070.067 ug/l
RT: 1.92 min Scan# 140
Delta R.T. 0.03 min
Lab File: VF062830.D
Acq: 3 Jun 2019 15:52

Tgt Ion: 96 Resp: 578
Ion Ratio Lower Upper
96 100
61 0.0 139.4 209.2#
98 43.8 50.3 75.5#





#13

Acrolein

Concen: 17098.947 ug/l

RT: 2.16 min Scan# 165

Delta R.T. 0.05 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

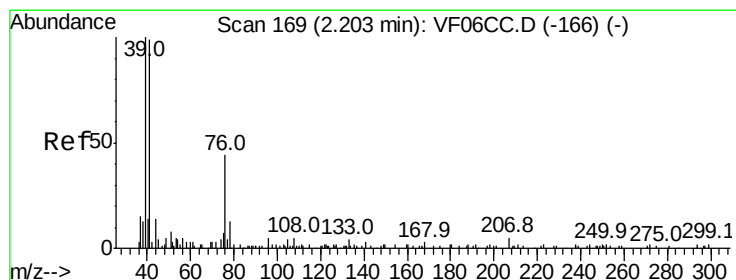
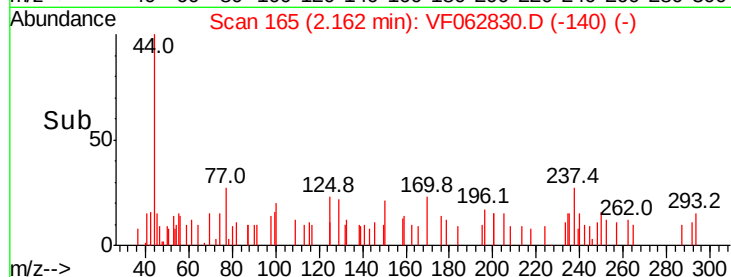
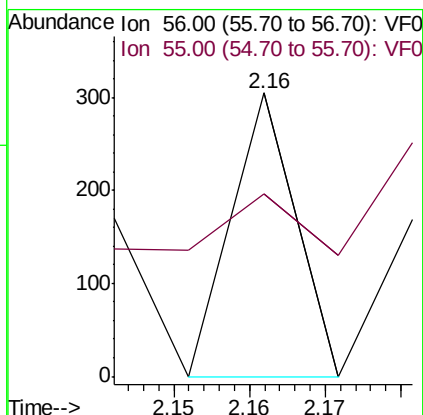
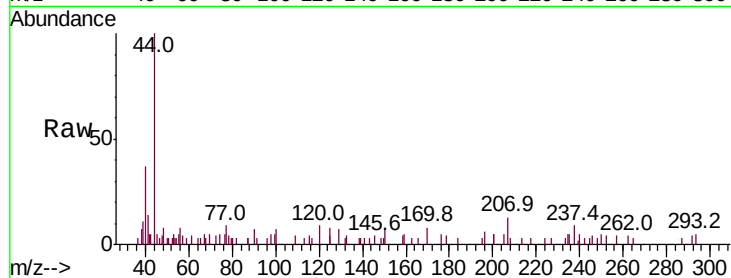
0431-HR-11(HACKENSACK)

Tot Ion: 56 Resp: 180

Ion Ratio Lower Upper

56 100

55 64.3 52.9 79.3



#14

Allyl chloride

Concen: 1546.362 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

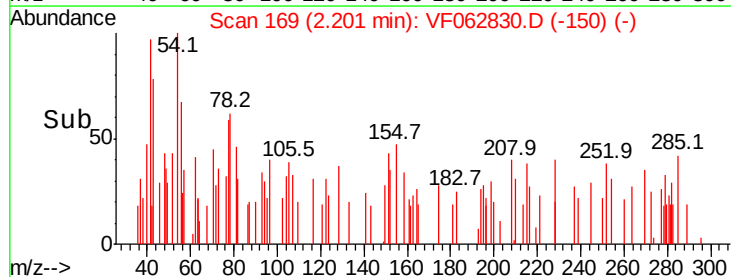
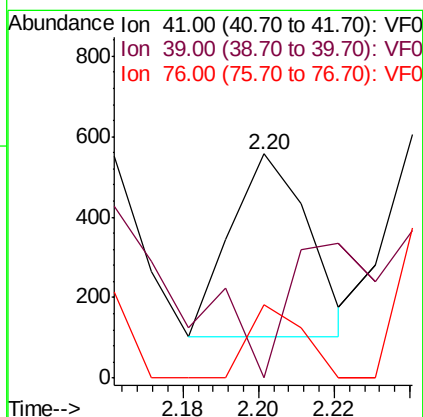
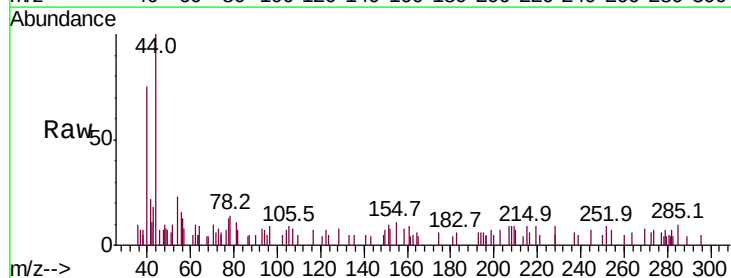
Tgt Ion: 41 Resp: 648

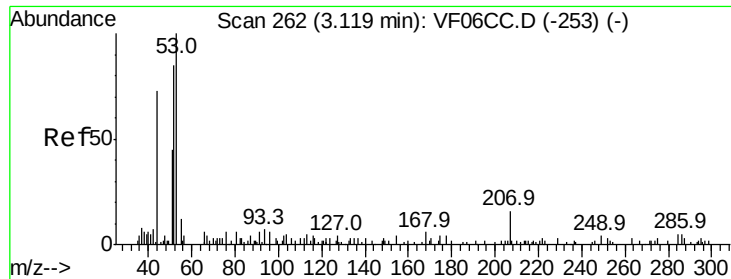
Ion Ratio Lower Upper

41 100

39 0.0 71.9 107.9#

76 32.9 39.6 59.4#





#15

Acrylonitrile

Concen: 1348.773 ug/l

RT: 3.12 min Scan# 262

Delta R.T. 0.01 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

0431-HR-11(HACKENSACK)

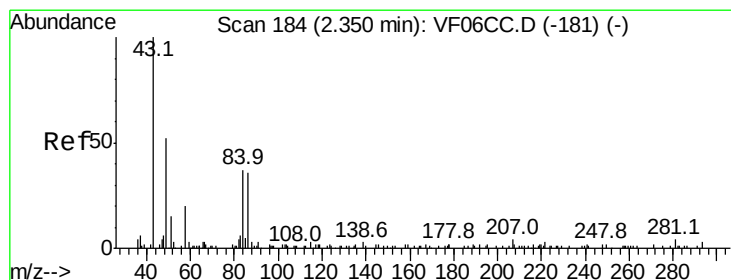
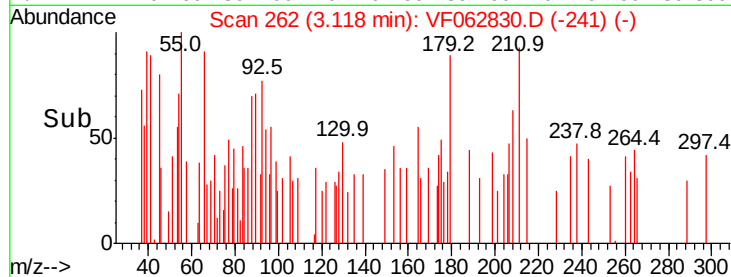
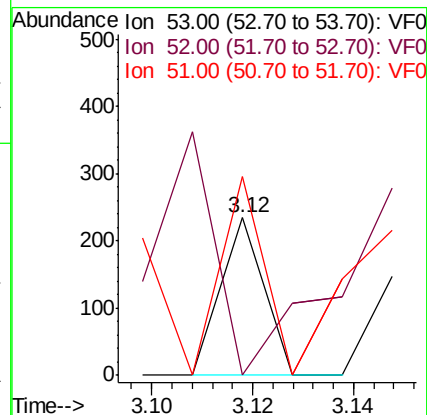
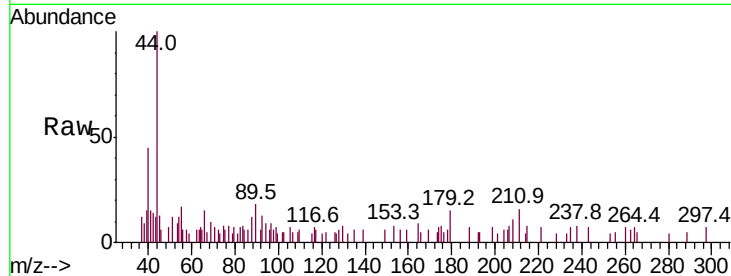
Tot Ion: 53 Resp: 138

Ion Ratio Lower Upper

53 100

52 0.0 68.1 102.1#

51 126.5 27.7 41.5#



#16

Acetone

Concen: 20257.468 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.07 min

Lab File: VF062830.D

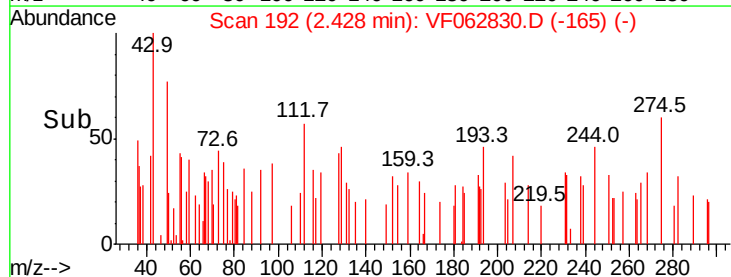
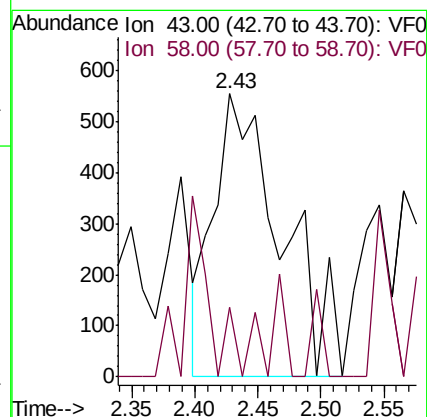
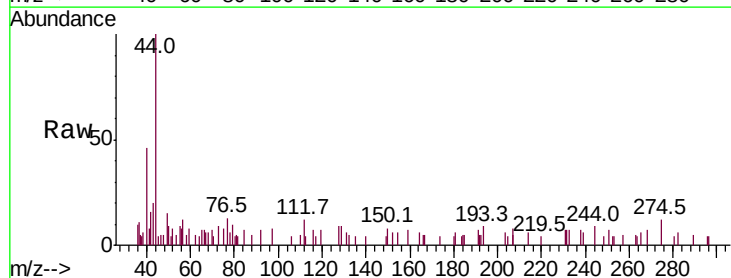
Acq: 3 Jun 2019 15:52

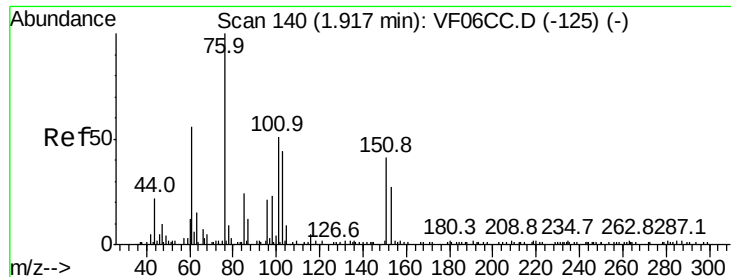
Tgt Ion: 43 Resp: 2084

Ion Ratio Lower Upper

43 100

58 24.7 19.0 28.4





#17

Carbon Disulfide

Concen: 158.989 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

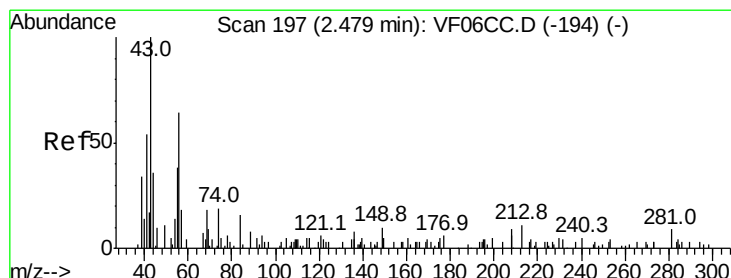
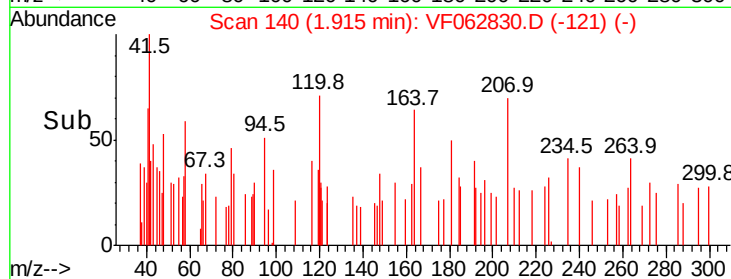
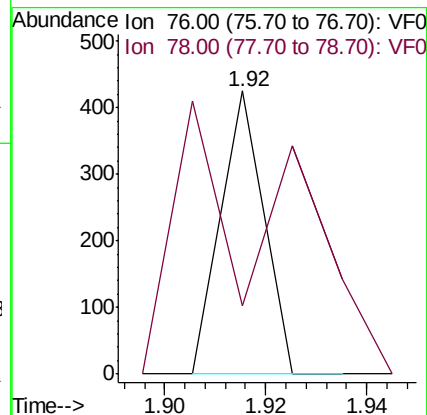
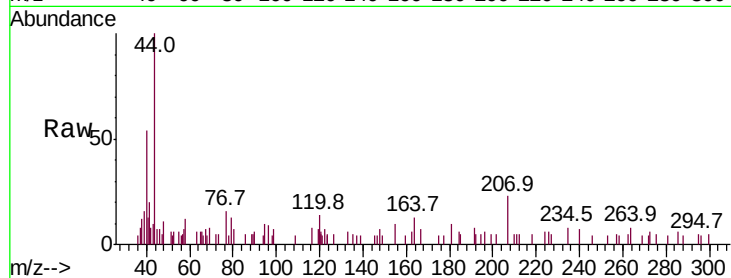
0431-HR-11(HACKENSACK)

Tot Ion: 76 Resp: 251

Ion Ratio Lower Upper

76 100

78 24.0 9.4 14.2#



#18

Methyl Acetate

Concen: 3120.579 ug/l

RT: 2.55 min Scan# 204

Delta R.T. 0.07 min

Lab File: VF062830.D

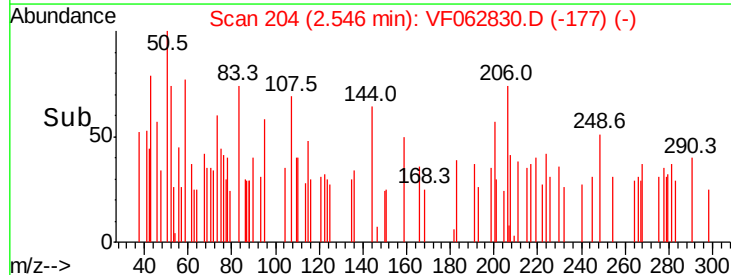
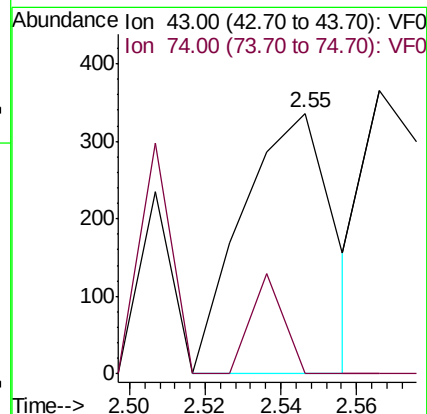
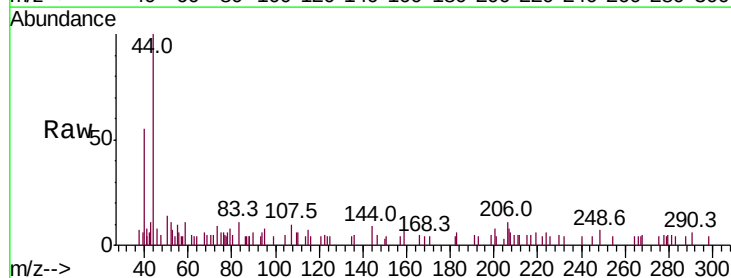
Acq: 3 Jun 2019 15:52

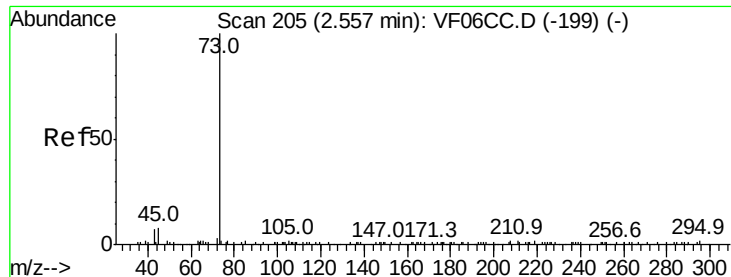
Tgt Ion: 43 Resp: 561

Ion Ratio Lower Upper

43 100

74 0.0 22.1 33.1#



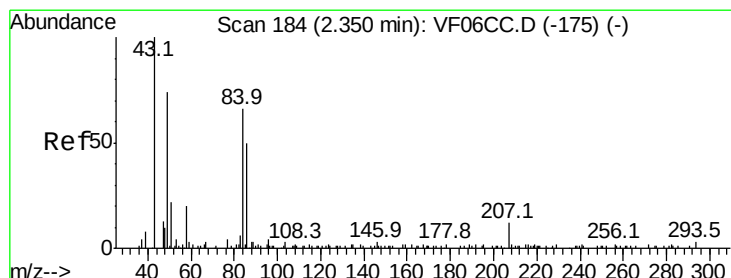
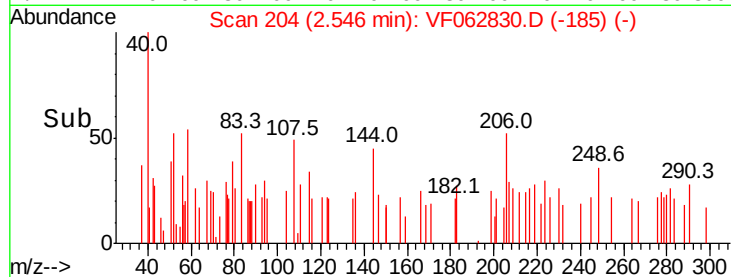
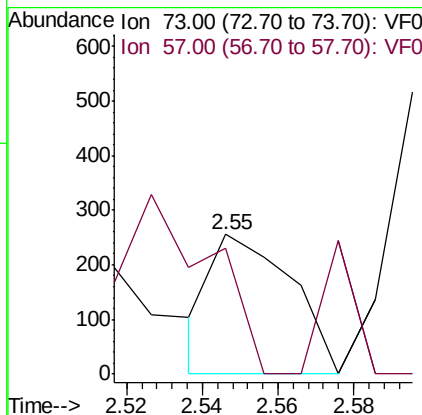
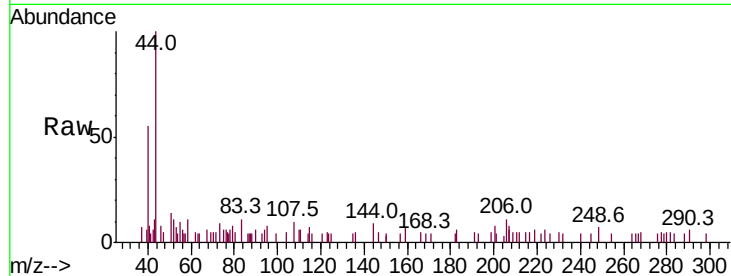


#19

Methyl tert-butyl Ether
 Concen: 381.152 ug/l
 RT: 2.55 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: VF062830.D
 Acq: 3 Jun 2019 15:52

Instrument :
 MSVOA_F
 ClientSampleId :
 0431-HR-11(HACKENSACK)

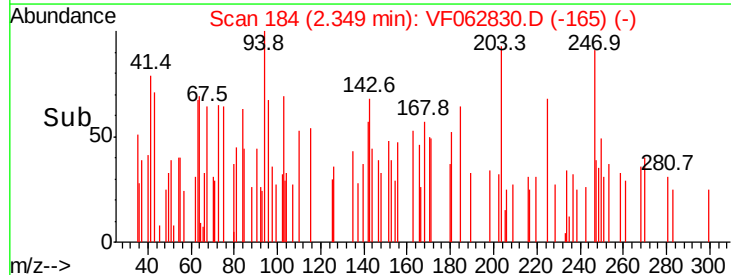
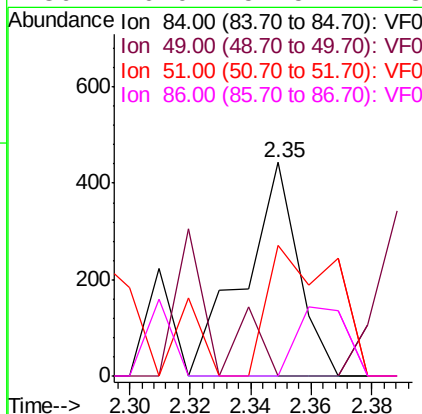
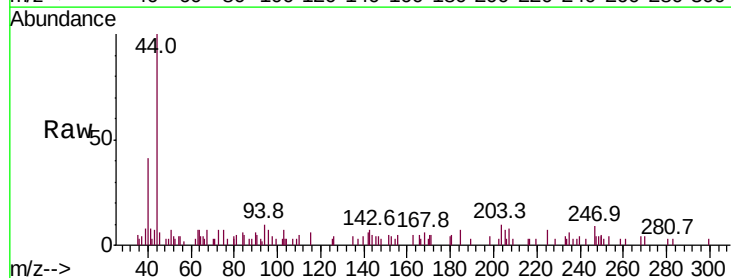
Tot Ion: 73 Resp: 373
 Ion Ratio Lower Upper
 73 100
 57 90.6 15.1 22.7#

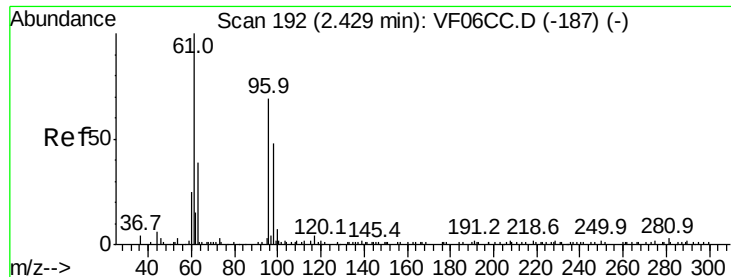


#20

Methylene Chloride
 Concen: 1130.195 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VF062830.D
 Acq: 3 Jun 2019 15:52

Tgt Ion: 84 Resp: 549
 Ion Ratio Lower Upper
 84 100
 49 0.0 82.6 123.8#
 51 60.9 25.0 37.4#
 86 0.0 51.5 77.3#





#21

trans-1,2-Dichloroethene

Concen: 330.511 ug/l

RT: 2.47 min Scan# 196

Delta R.T. 0.03 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

0431-HR-11(HACKENSACK)

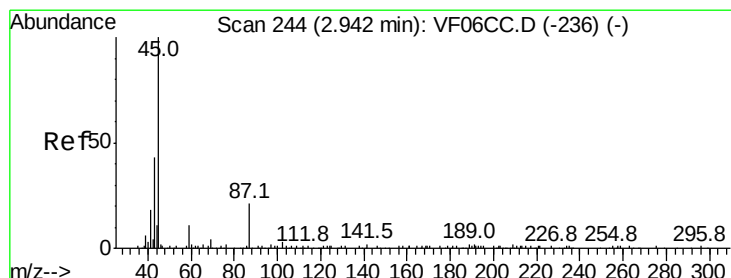
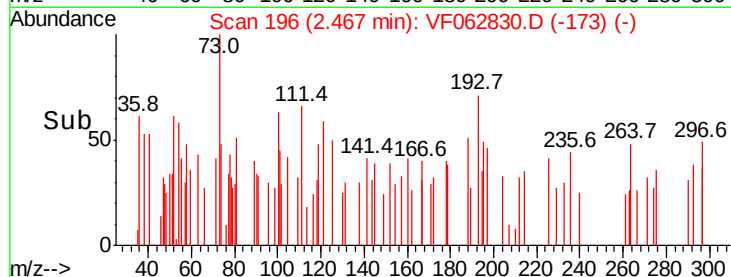
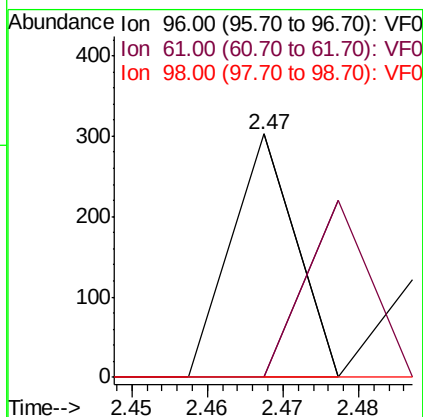
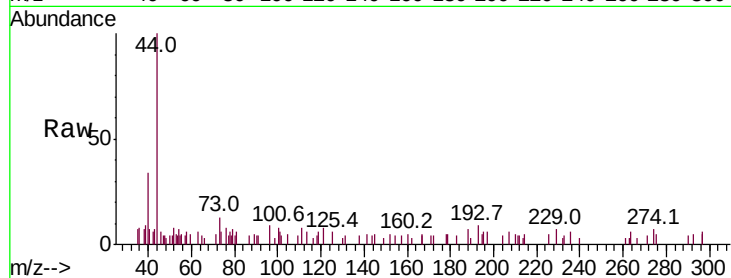
Tot Ion: 96 Resp: 179

Ion Ratio Lower Upper

96 100

61 0.0 105.0 157.6#

98 0.0 51.1 76.7#



#22

Diisopropyl ether

Concen: 230.985 ug/l

RT: 2.97 min Scan# 247

Delta R.T. 0.02 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Tgt Ion: 45 Resp: 275

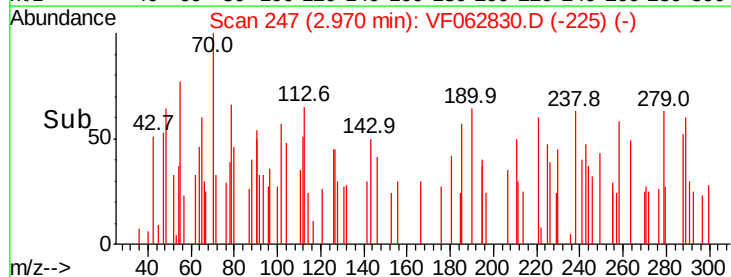
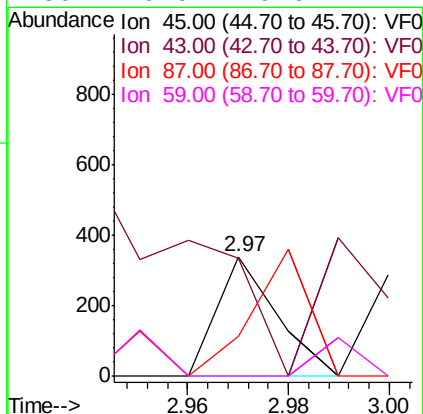
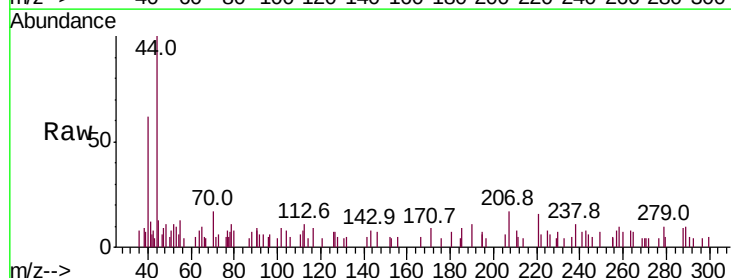
Ion Ratio Lower Upper

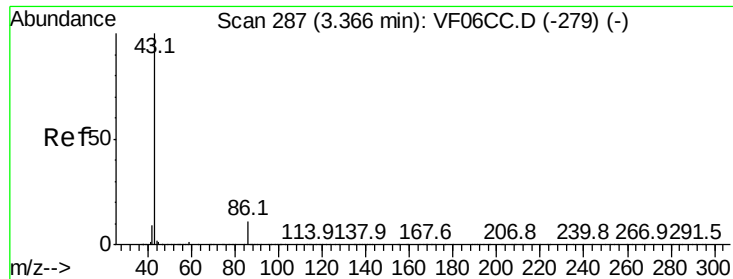
45 100

43 98.5 34.3 51.5#

87 33.0 19.0 28.4#

59 0.0 9.6 14.4#





#23

Vinyl Acetate

Concen: 1174.144 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.01 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

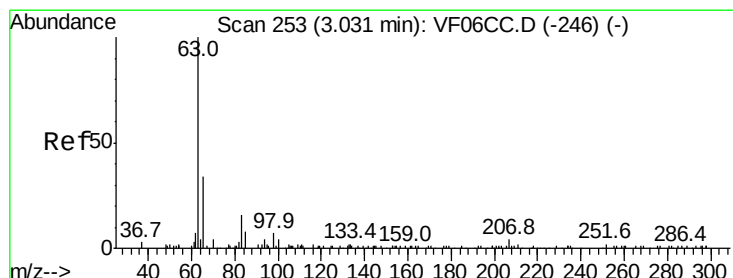
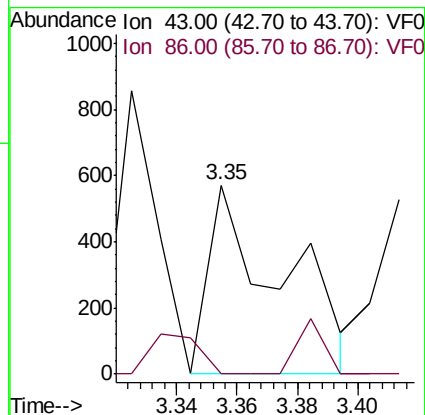
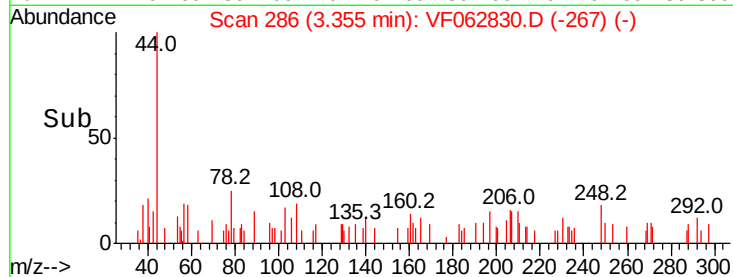
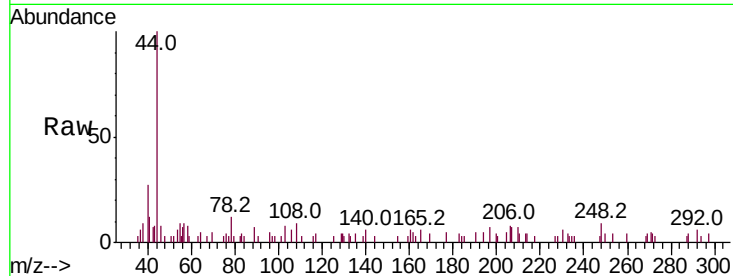
0431-HR-11(HACKENSACK)

Tot Ion: 43 Resp: 957

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 289.115 ug/l

RT: 3.04 min Scan# 254

Delta R.T. 0.01 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

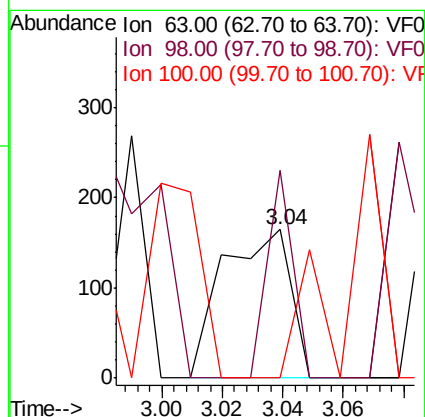
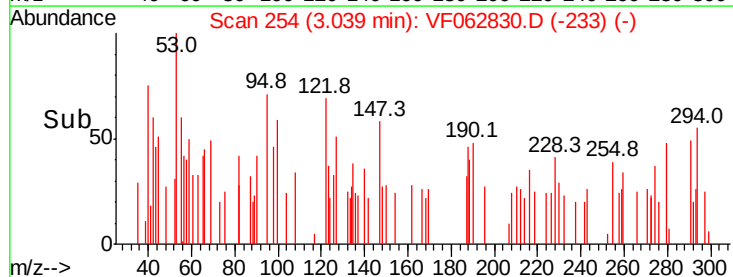
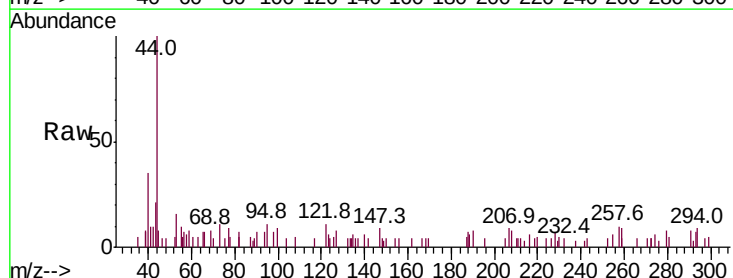
Tgt Ion: 63 Resp: 257

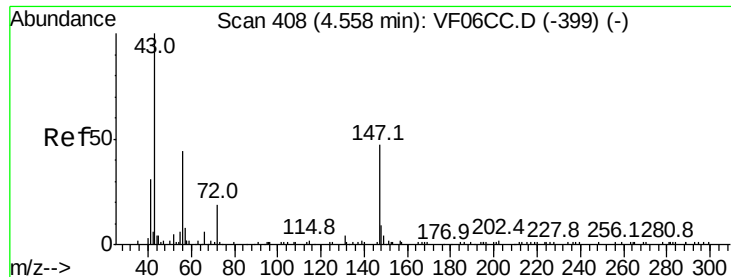
Ion Ratio Lower Upper

63 100

98 139.4 2.4 7.1#

100 0.0 1.5 4.5#





#25

2-Butanone

Concen: 2191.388 ug/l

RT: 4.70 min Scan# 422

Delta R.T. 0.14 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

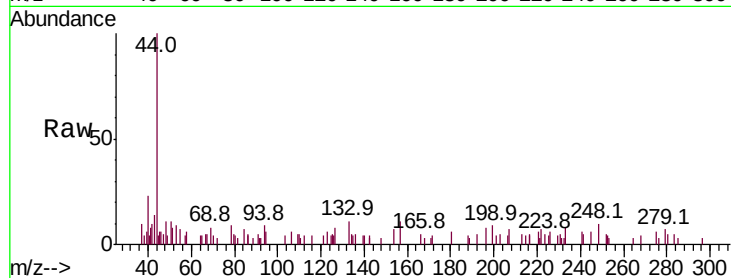
0431-HR-11(HACKENSACK)

Tot Ion: 43 Resp: 525

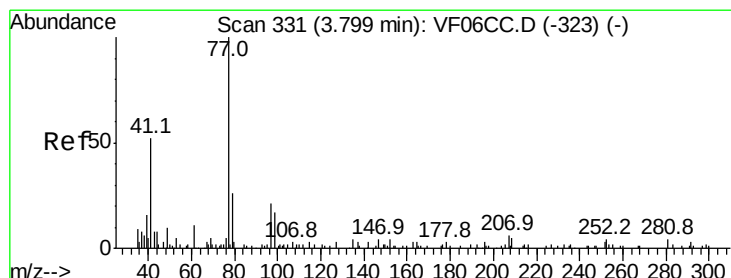
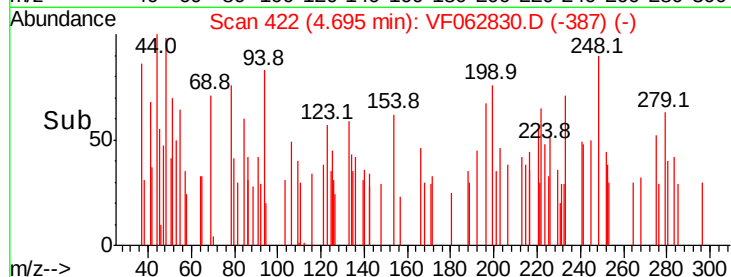
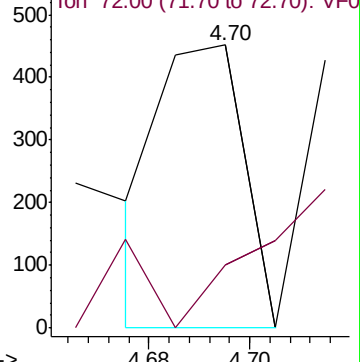
Ion Ratio Lower Upper

43 100

72 22.1 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VF0



#26

2,2-Dichloropropane

Concen: 2274.486 ug/l

RT: 3.85 min Scan# 336

Delta R.T. 0.05 min

Lab File: VF062830.D

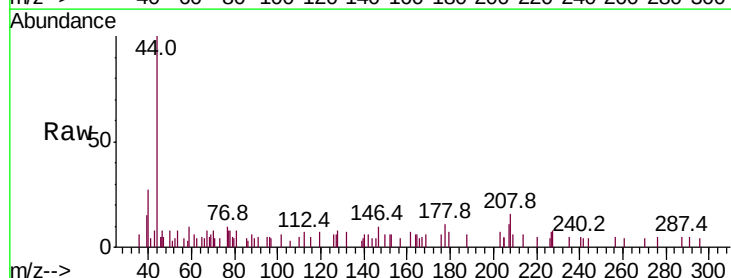
Acq: 3 Jun 2019 15:52

Tgt Ion: 77 Resp: 1148

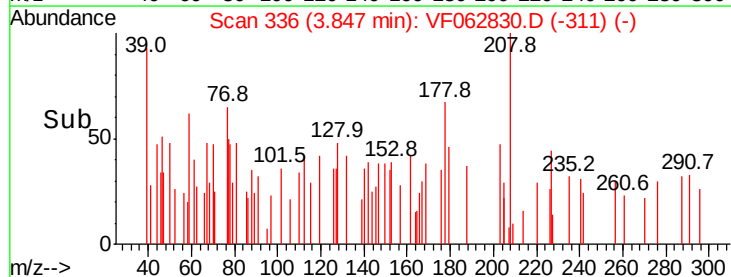
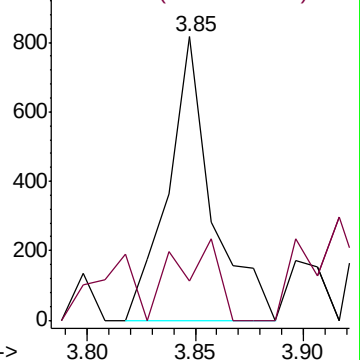
Ion Ratio Lower Upper

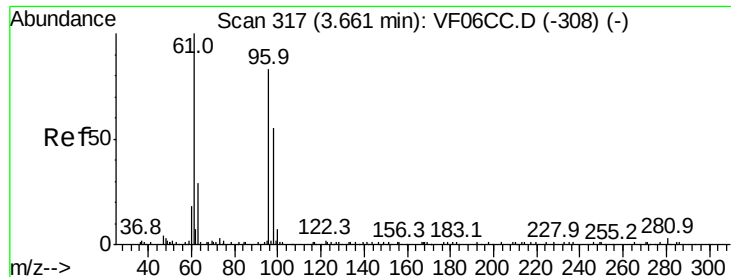
77 100

97 14.0 12.4 37.4



Abundance Ion 77.00 (76.70 to 77.70): VF0



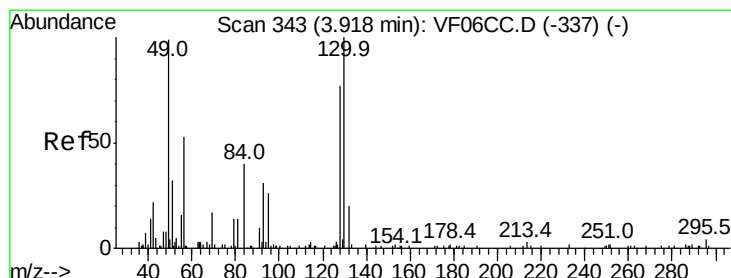
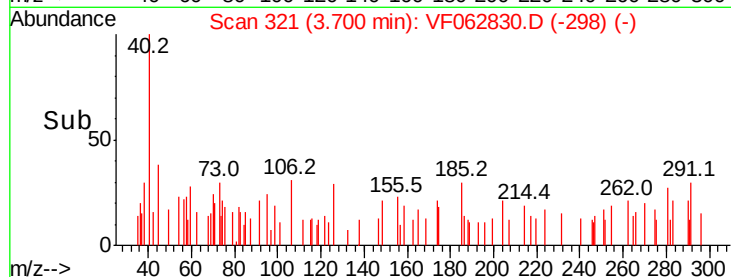
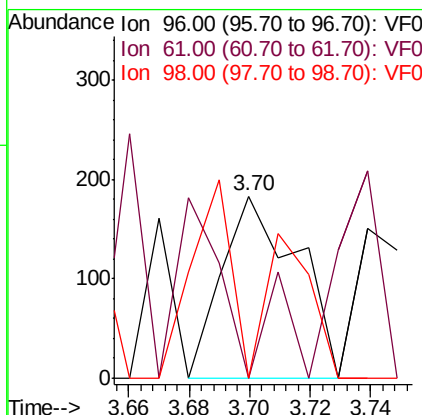
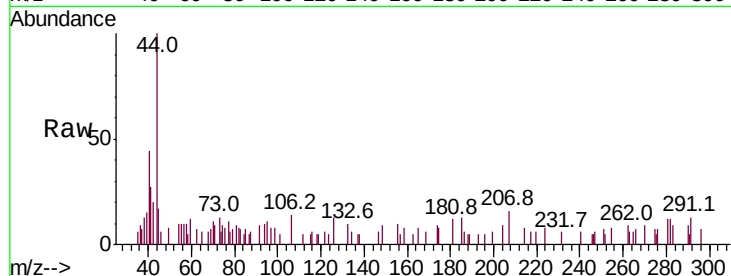


#27

cis-1,2-Dichloroethene
Concen: 348.208 ug/l
RT: 3.70 min Scan# 321
Delta R.T. 0.03 min
Lab File: VF062830.D
Acq: 3 Jun 2019 15:52

Instrument :
MSVOA_F
ClientSampleId :
0431-HR-11(HACKENSACK)

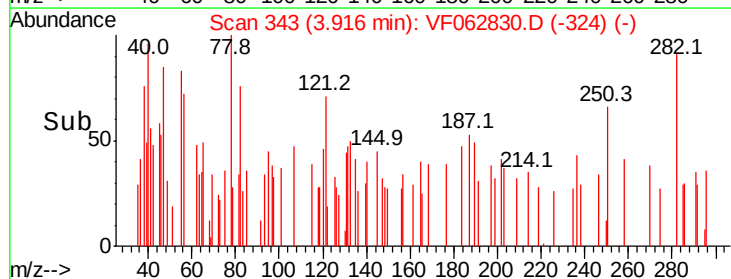
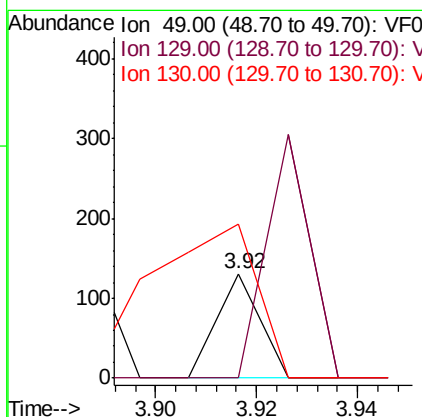
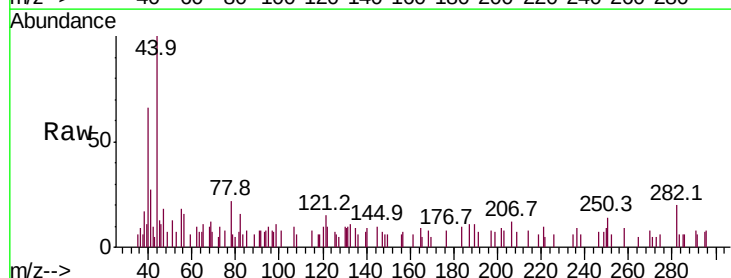
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	213.8
98	98.9	0.0	127.0

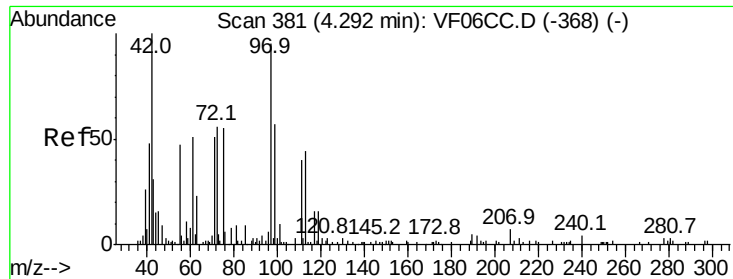


#28

Bromochloromethane
Concen: 159.247 ug/l
RT: 3.92 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF062830.D
Acq: 3 Jun 2019 15:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.4
130	147.3	79.2	118.8#





#29

Tetrahydrofuran

Concen: 6766.313 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.00 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

0431-HR-11(HACKENSACK)

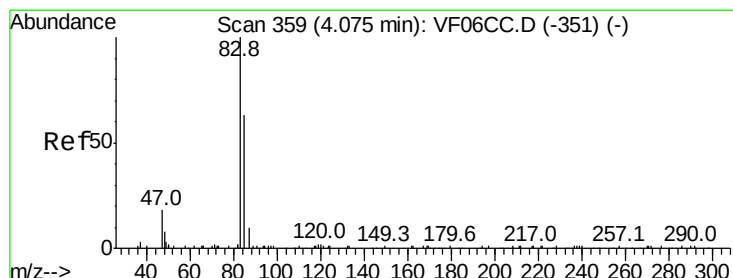
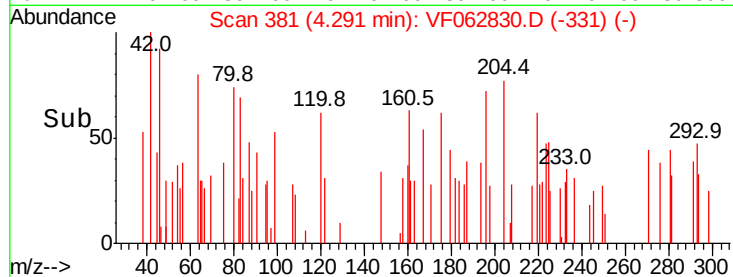
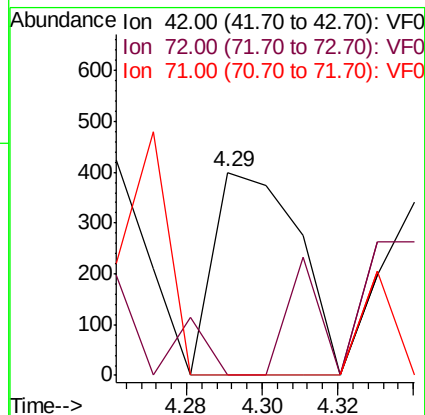
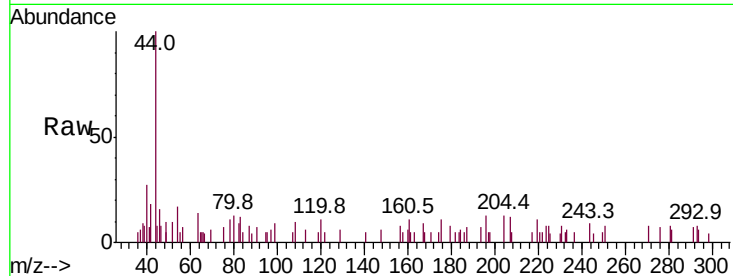
Tot Ion: 42 Resp: 620

Ion Ratio Lower Upper

42 100

72 0.0 39.0 58.6#

71 0.0 36.9 55.3#



#30

Chloroform

Concen: 65.453 ug/l

RT: 4.06 min Scan# 358

Delta R.T. -0.01 min

Lab File: VF062830.D

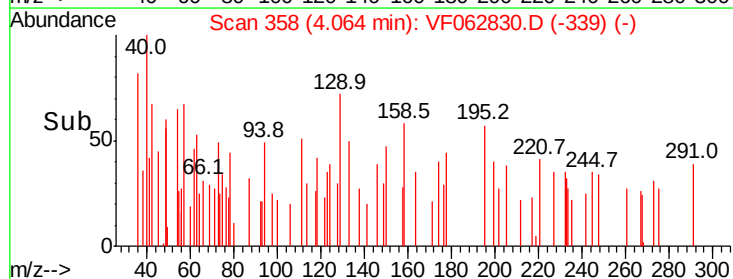
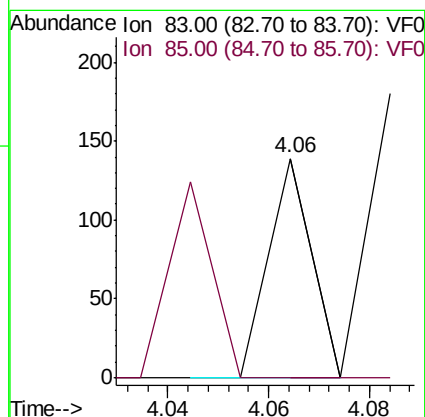
Acq: 3 Jun 2019 15:52

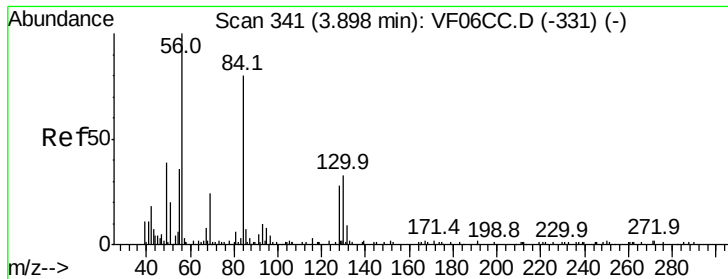
Tgt Ion: 83 Resp: 82

Ion Ratio Lower Upper

83 100

85 0.0 55.0 82.6#





#31

Cyclohexane

Concen: 203.578 ug/l

RT: 3.92 min Scan# 343

Delta R.T. 0.02 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

0431-HR-11(HACKENSACK)

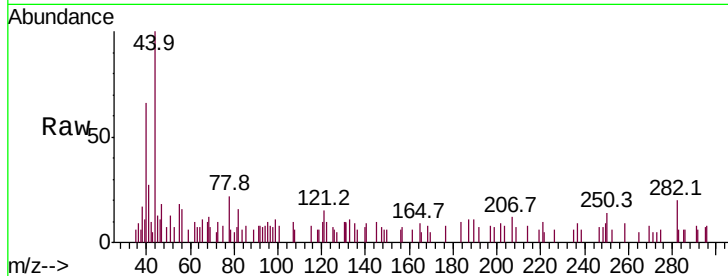
Tot Ion: 56 Resp: 245

Ion Ratio Lower Upper

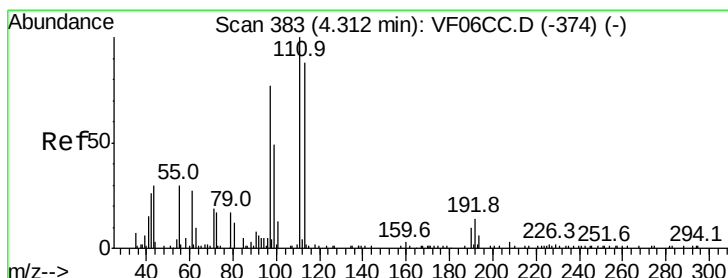
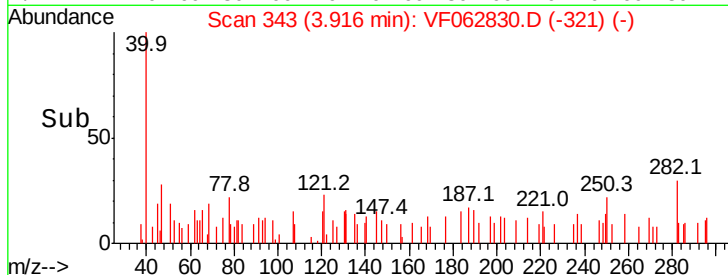
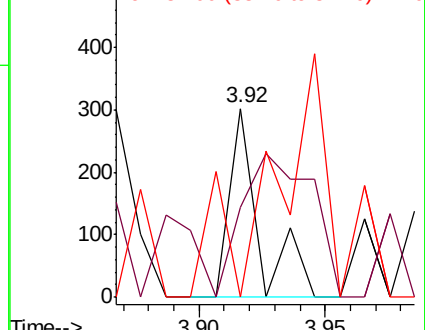
56 100

69 47.4 26.7 40.1#

84 0.0 74.3 111.5#



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 370.156 ug/l

RT: 4.36 min Scan# 388

Delta R.T. 0.05 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

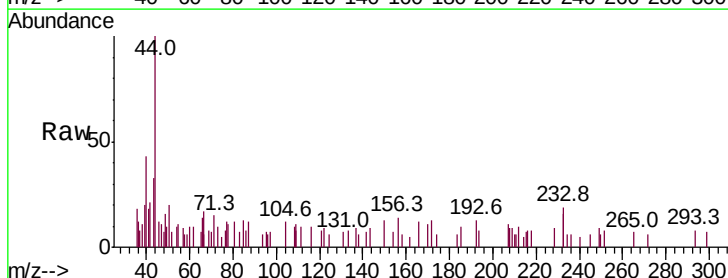
Tgt Ion: 97 Resp: 270

Ion Ratio Lower Upper

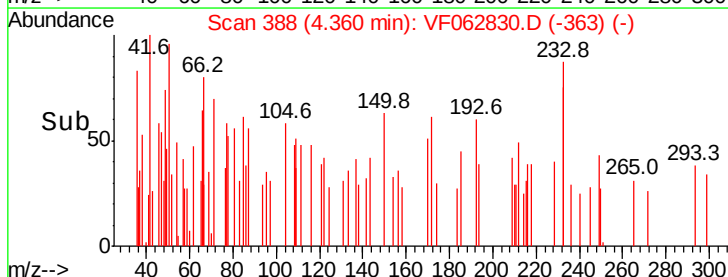
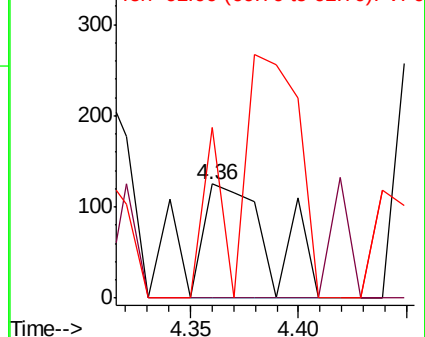
97 100

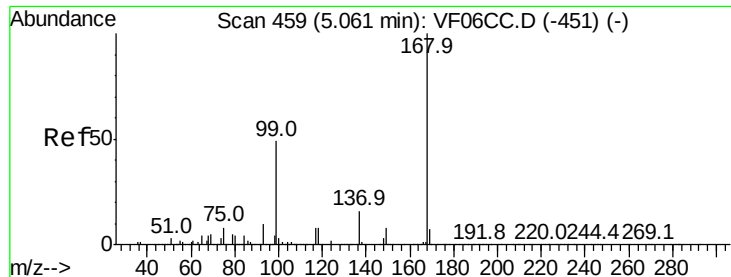
99 0.0 51.7 77.5#

61 149.6 38.9 58.3#



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

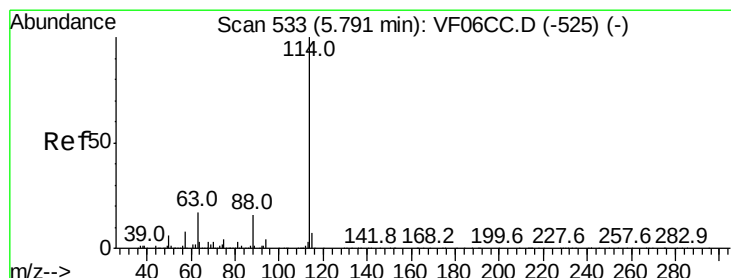
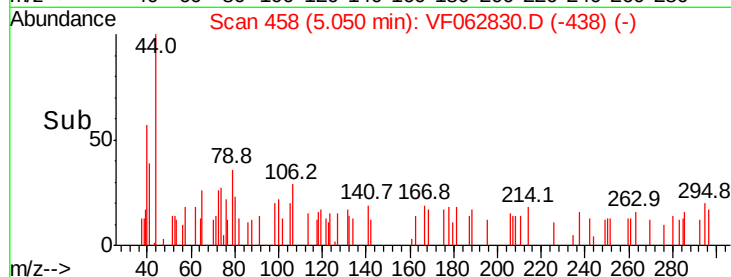
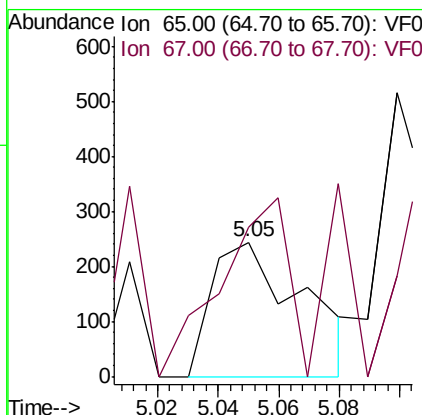
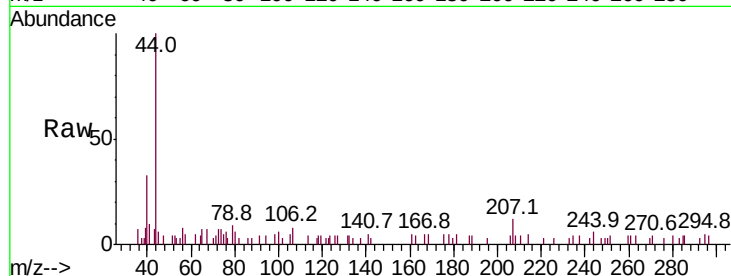




#33
 1,2-Dichloroethane-d4
 Concen: 1136.871 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VF062830.D
 Acq: 3 Jun 2019 15:52

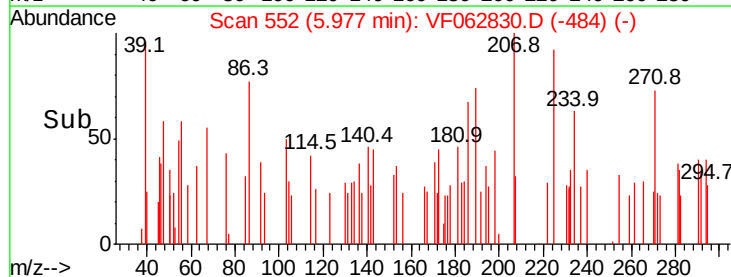
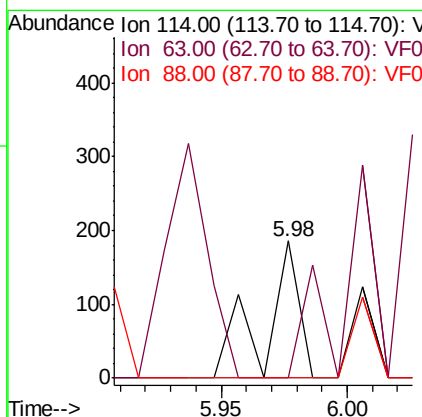
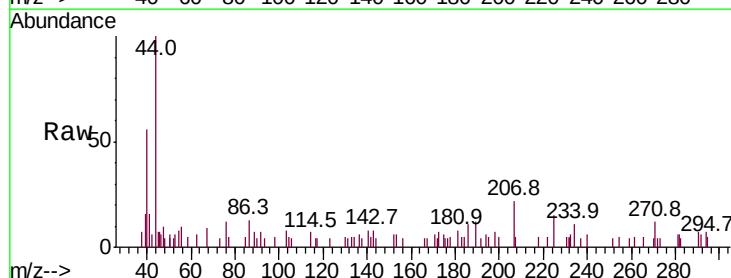
Instrument :
 MSVOA_F
 ClientSampleId :
 0431-HR-11(HACKENSACK)

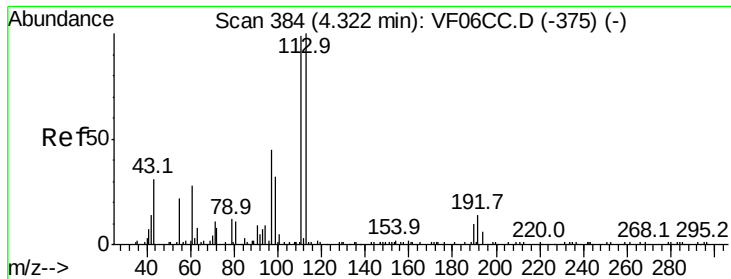
Tot Ion: 65 Resp: 511
 Ion Ratio Lower Upper
 65 100
 67 111.1 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.98 min Scan# 552
 Delta R.T. 0.17 min
 Lab File: VF062830.D
 Acq: 3 Jun 2019 15:52

Tgt Ion: 114 Resp: 177
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 34.2
 88 0.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 76.261 ug/l

RT: 4.43 min Scan# 395

Delta R.T. 0.10 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

0431-HR-11(HACKENSACK)

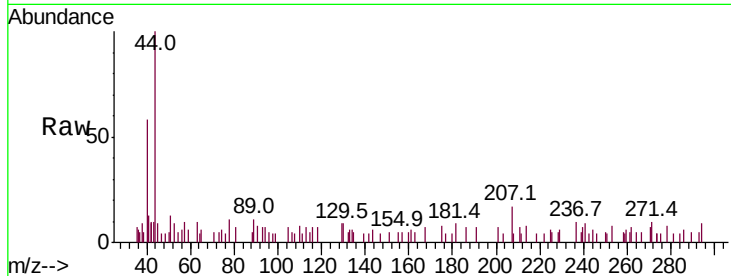
Tot Ion:113 Resp: 102

Ion Ratio Lower Upper

113 100

111 64.5 81.9 122.9#

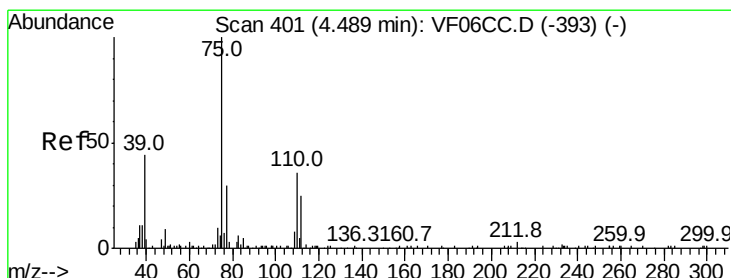
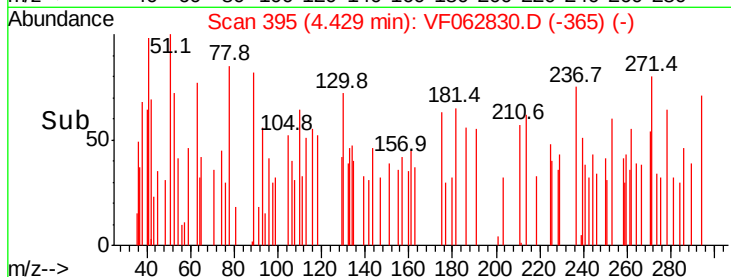
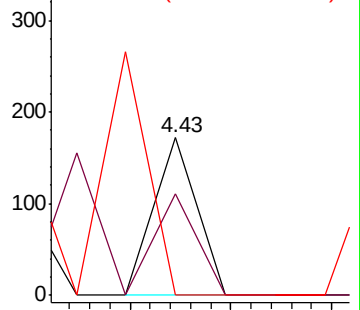
192 0.0 15.1 22.7#



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: 52.779 ug/l

RT: 4.63 min Scan# 415

Delta R.T. 0.12 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

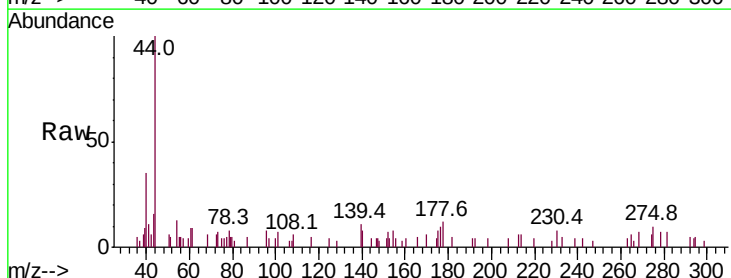
Tgt Ion: 75 Resp: 86

Ion Ratio Lower Upper

75 100

110 0.0 19.4 58.1#

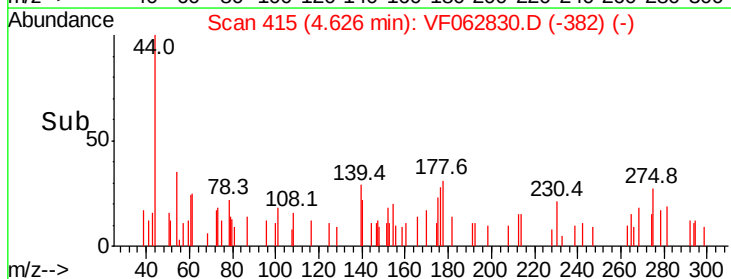
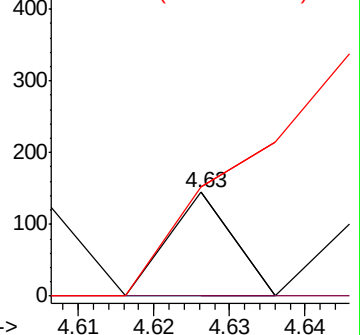
77 105.5 25.4 38.2#

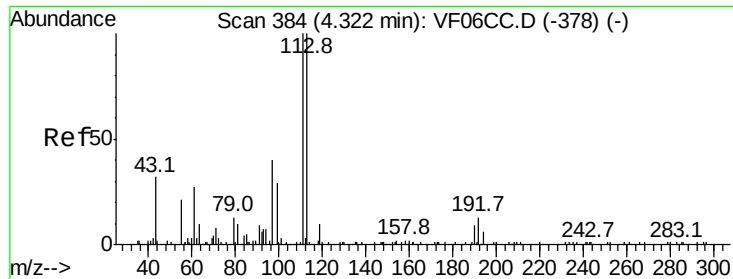


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 1205.690 ug/l

RT: 4.45 min Scan# 397

Delta R.T. 0.11 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

0431-HR-11(HACKENSACK)

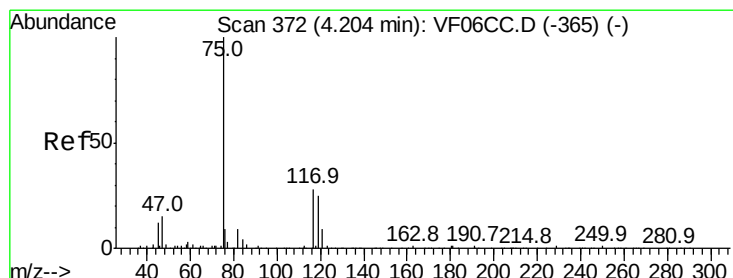
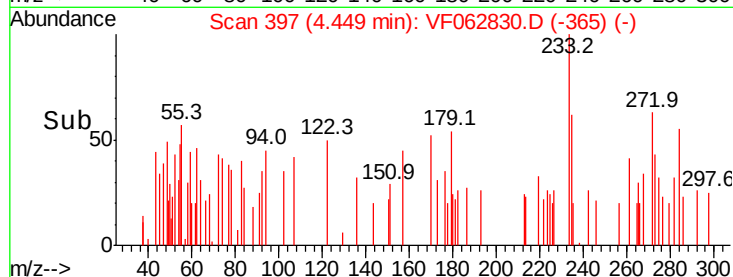
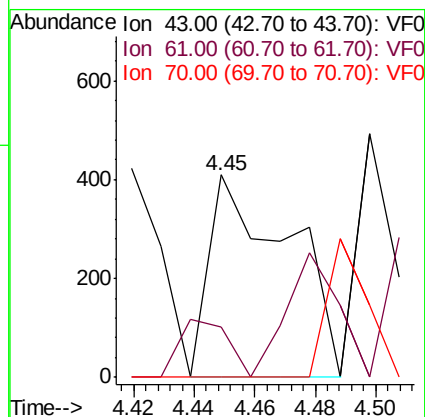
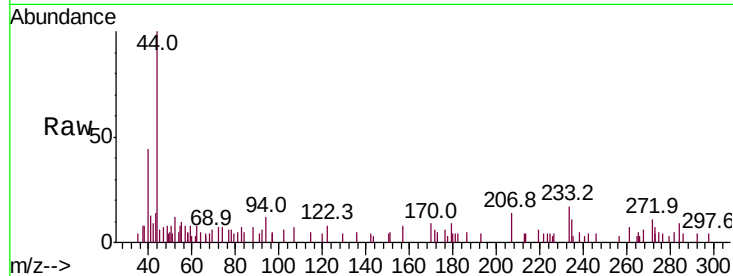
Tot Ion: 43 Resp: 751

Ion Ratio Lower Upper

43 100

61 24.9 59.1 88.7#

70 0.0 10.1 15.1#



#38

Carbon Tetrachloride

Concen: 317.823 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.10 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

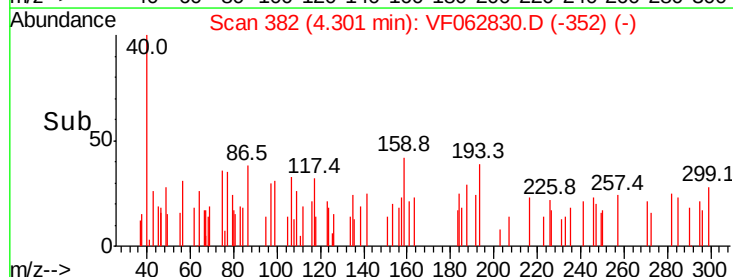
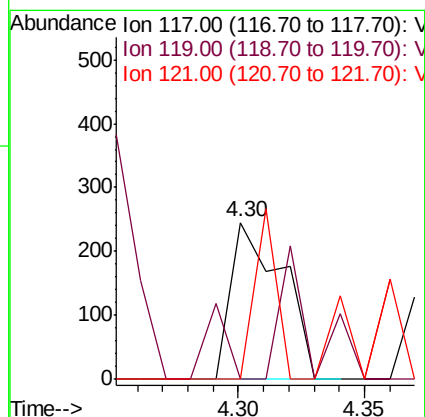
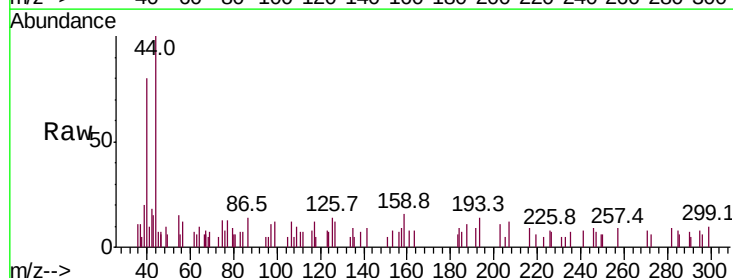
Tgt Ion: 117 Resp: 350

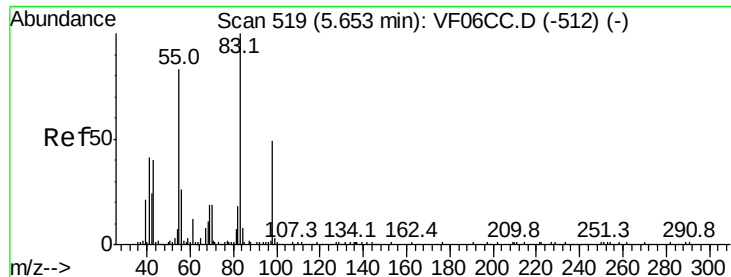
Ion Ratio Lower Upper

117 100

119 0.0 78.2 117.2#

121 0.0 28.2 42.2#

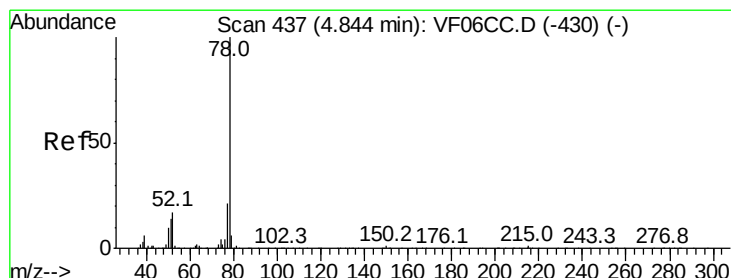
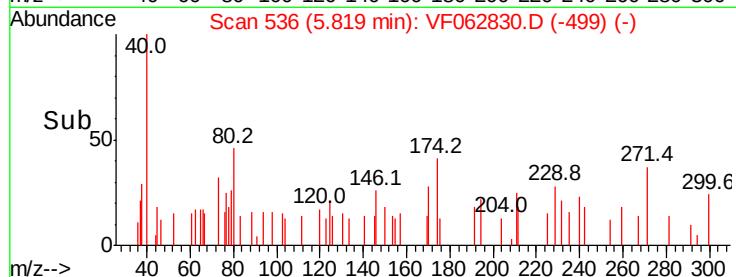
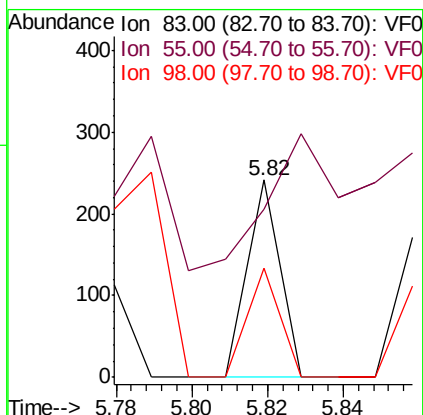
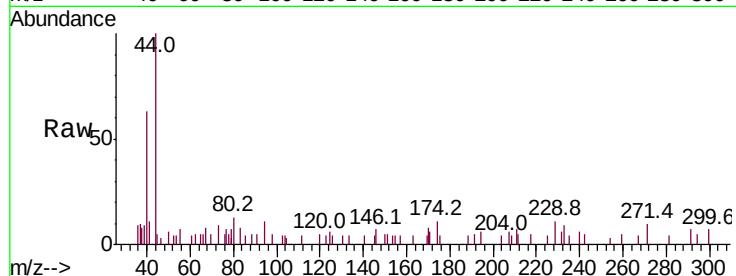




#39
Methylcyclohexane
Concen: 70.020 ug/l
RT: 5.82 min Scan# 536
Delta R.T. 0.16 min
Lab File: VF062830.D
Acq: 3 Jun 2019 15:52

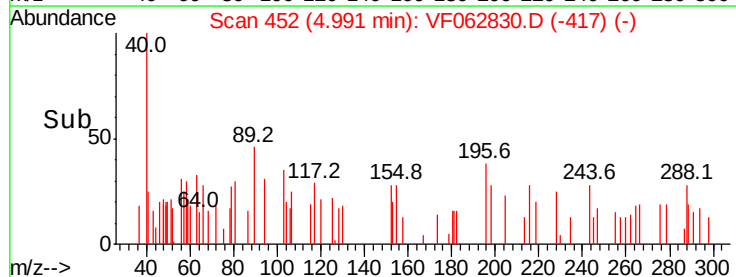
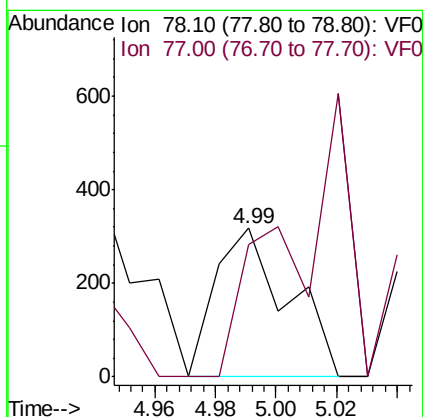
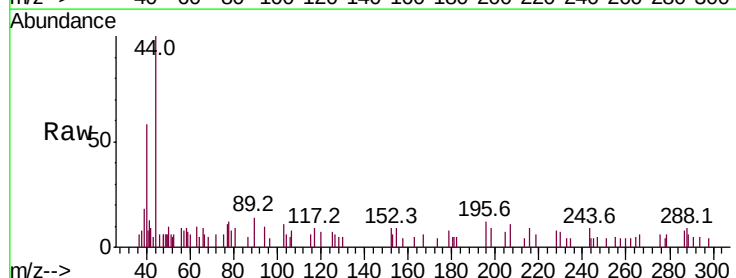
Instrument :
MSVOA_F
ClientSampleId :
0431-HR-11(HACKENSACK)

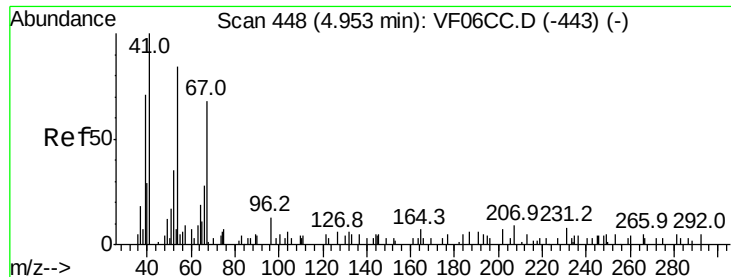
Tot Ion: 83 Resp: 142
Ion Ratio Lower Upper
83 100
55 85.5 61.6 92.4
98 55.2 37.4 56.2



#40
Benzene
Concen: 111.550 ug/l
RT: 4.99 min Scan# 452
Delta R.T. 0.14 min
Lab File: VF062830.D
Acq: 3 Jun 2019 15:52

Tgt Ion: 78 Resp: 529
Ion Ratio Lower Upper
78 100
77 89.0 18.9 28.3#





#41

Methacrylonitrile

Concen: 5143.356 ug/l

RT: 5.13 min Scan# 466

Delta R.T. 0.17 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

0431-HR-11(HACKENSACK)

Tot Ion: 41 Resp: 1781

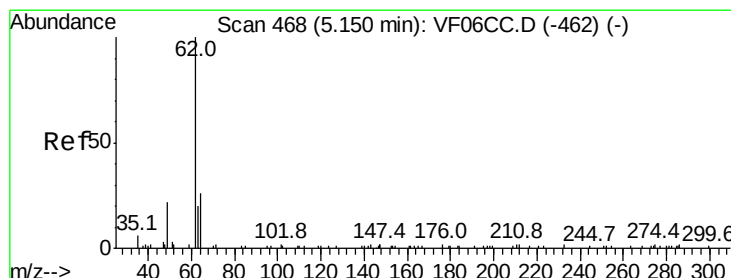
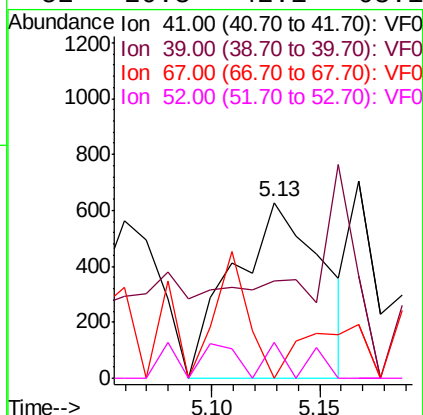
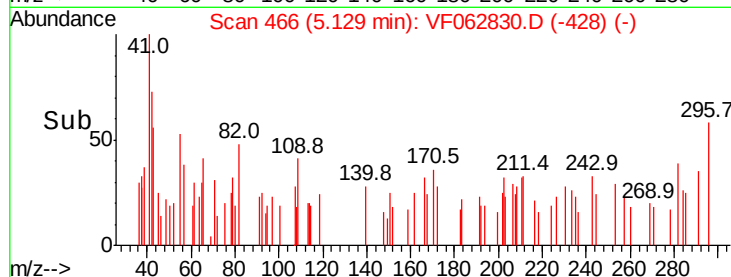
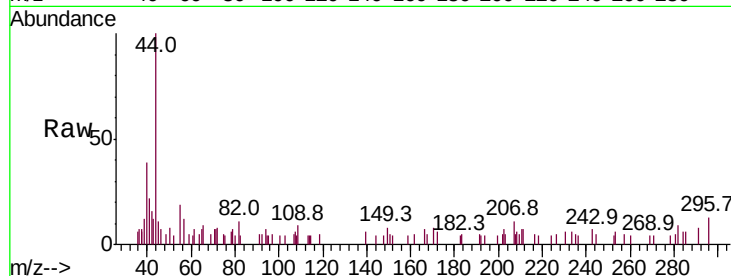
Ion Ratio Lower Upper

41 100

39 55.3 42.0 63.0

67 0.0 61.4 92.0#

52 20.3 42.1 63.1#



#42

1,2-Dichloroethane

Concen: 69.849 ug/l

RT: 5.30 min Scan# 483

Delta R.T. 0.14 min

Lab File: VF062830.D

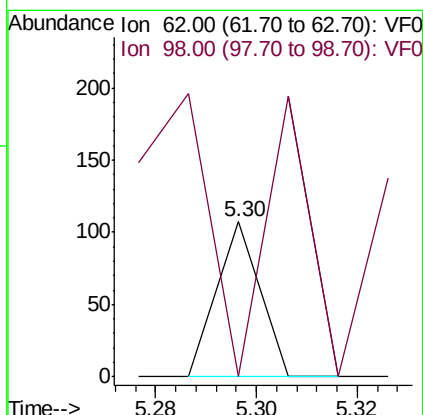
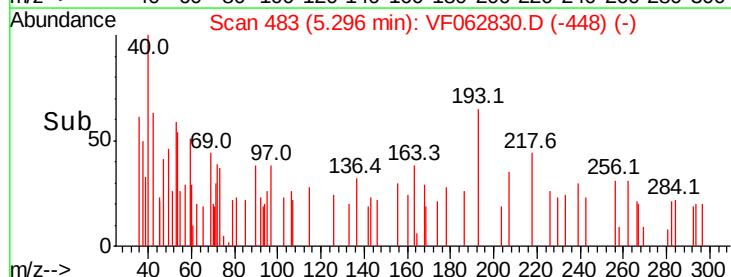
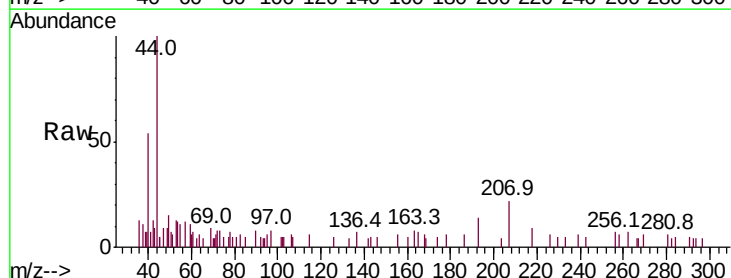
Acq: 3 Jun 2019 15:52

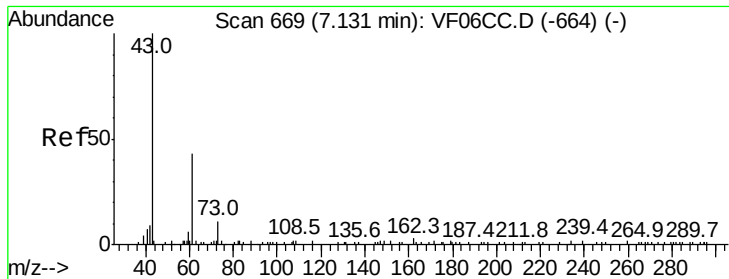
Tgt Ion: 62 Resp: 63

Ion Ratio Lower Upper

62 100

98 0.0 0.0 24.0





#43

Isopropyl Acetate

Concen: 850.722 ug/l

RT: 7.37 min Scan# 693

Delta R.T. 0.23 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

0431-HR-11(HACKENSACK)

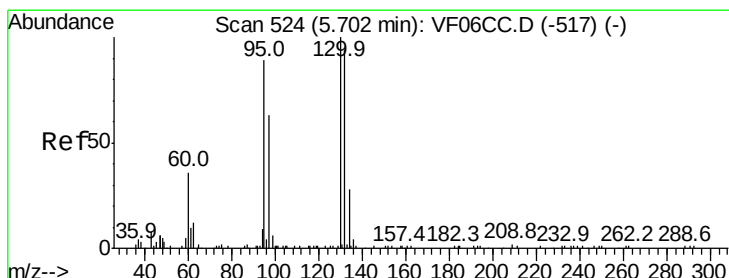
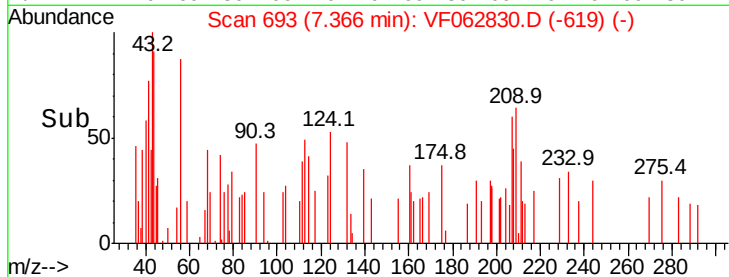
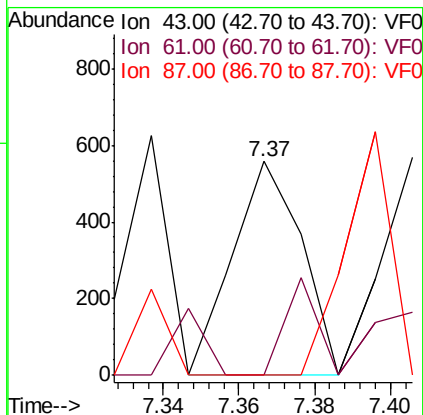
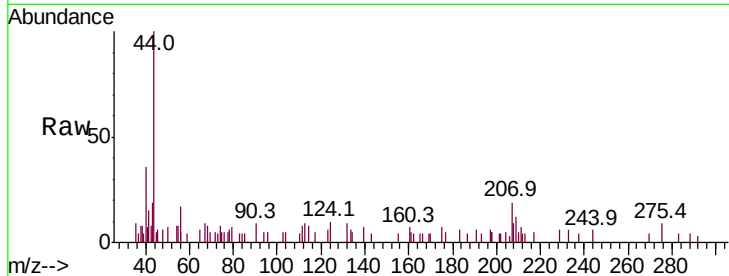
Tot Ion: 43 Resp: 700

Ion Ratio Lower Upper

43 100

61 0.0 29.8 44.6#

87 0.0 0.3 0.5#



#44

Trichloroethene

Concen: 81.442 ug/l

RT: 5.88 min Scan# 542

Delta R.T. 0.17 min

Lab File: VF062830.D

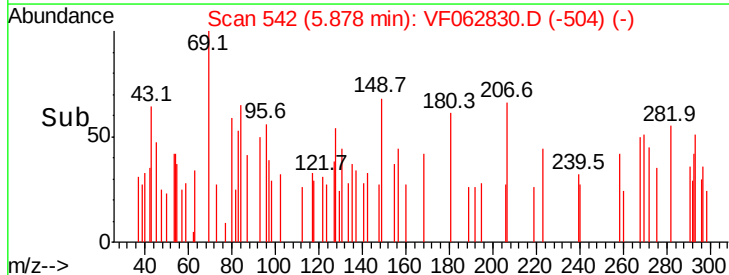
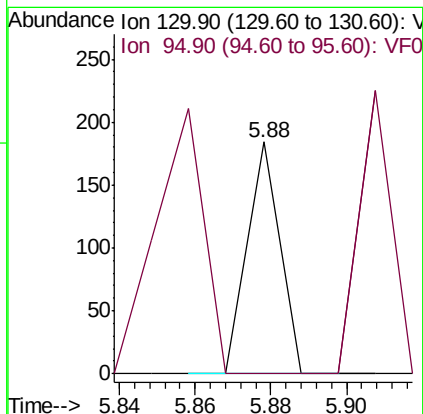
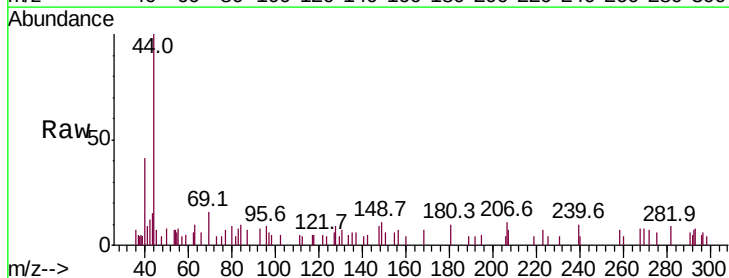
Acq: 3 Jun 2019 15:52

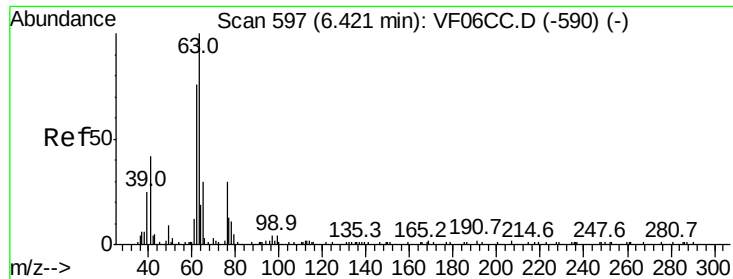
Tgt Ion: 130 Resp: 109

Ion Ratio Lower Upper

130 100

95 128.3 0.0 188.2





#45

1,2-Dichloropropane

Concen: 365.529 ug/l

RT: 6.62 min Scan# 617

Delta R.T. 0.18 min

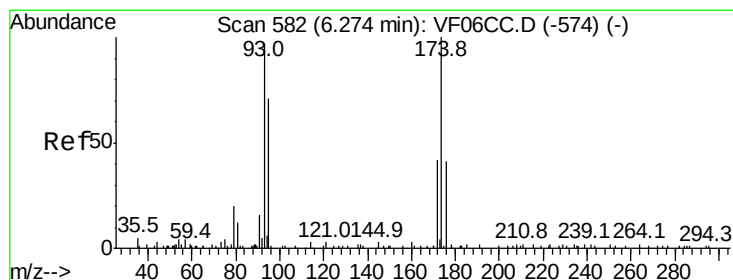
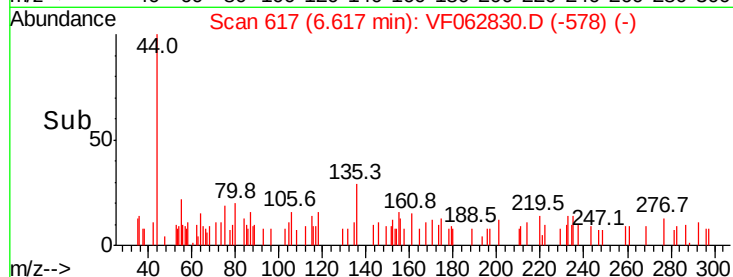
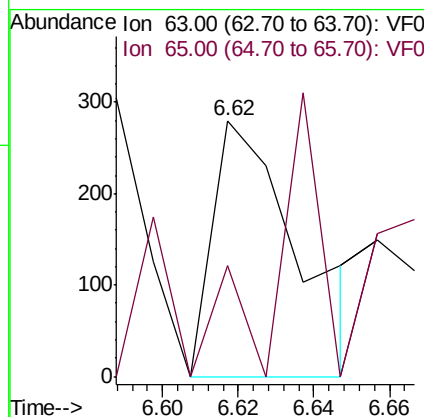
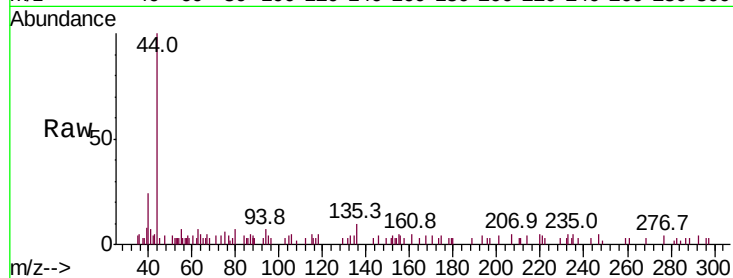
Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :
MSVOA_F
ClientSampleId :
0431-HR-11(HACKENSACK)

Tot Ion: 63 Resp: 435

Ion	Ratio	Lower	Upper
63	100		
65	43.2	24.2	36.2#



#46

Dibromomethane

Concen: 112.261 ug/l

RT: 6.48 min Scan# 603

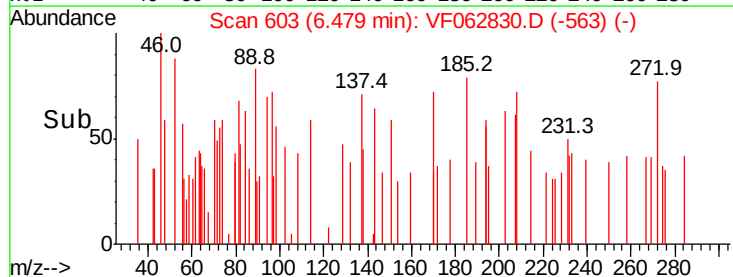
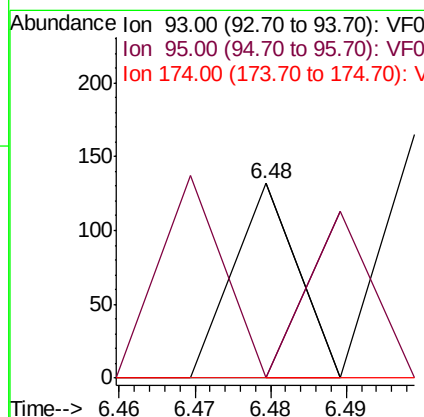
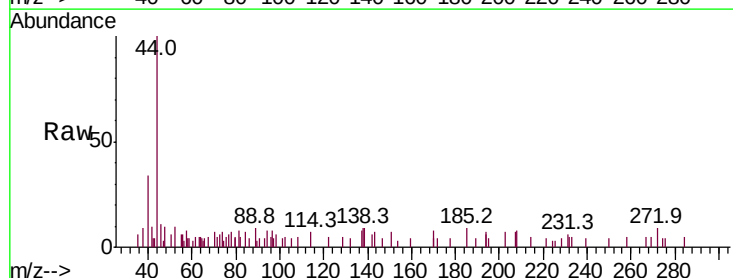
Delta R.T. 0.19 min

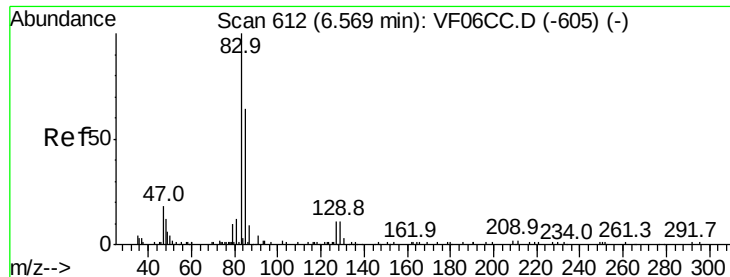
Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Tgt Ion: 93 Resp: 78

Ion	Ratio	Lower	Upper
93	100		
95	106.1	67.9	101.9#
174	0.0	85.0	127.4#





#47

Bromodichloromethane

Concen: 361.126 ug/l

RT: 6.79 min Scan# 635

Delta R.T. 0.21 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

0431-HR-11(HACKENSACK)

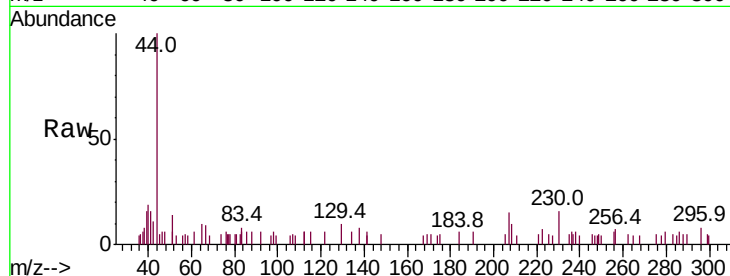
Tot Ion: 83 Resp: 511

Ion Ratio Lower Upper

83 100

85 44.7 54.2 81.4#

127 0.0 7.0 10.4#



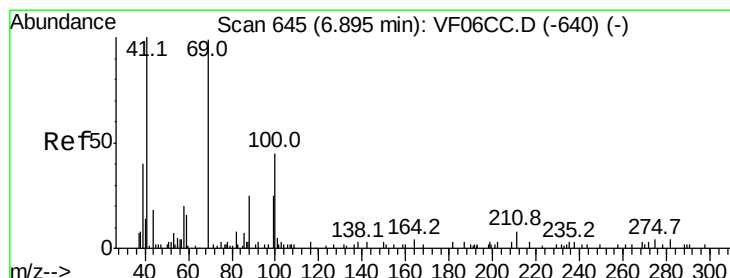
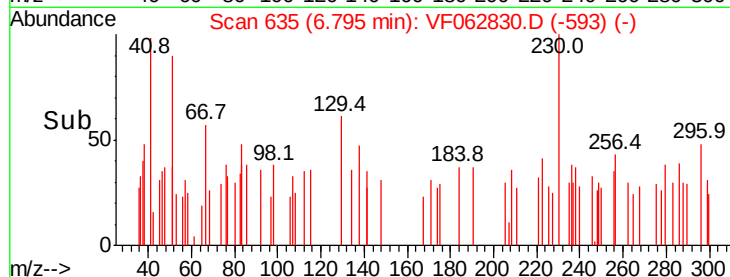
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

6.79

Time-->



#48

Methyl methacrylate

Concen: 900.821 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.23 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

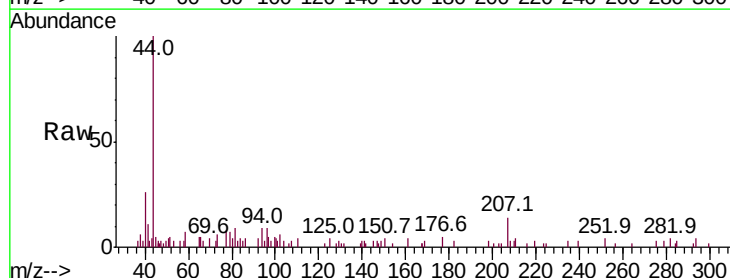
Tgt Ion: 41 Resp: 382

Ion Ratio Lower Upper

41 100

69 37.1 79.4 119.2#

39 29.8 39.8 59.6#



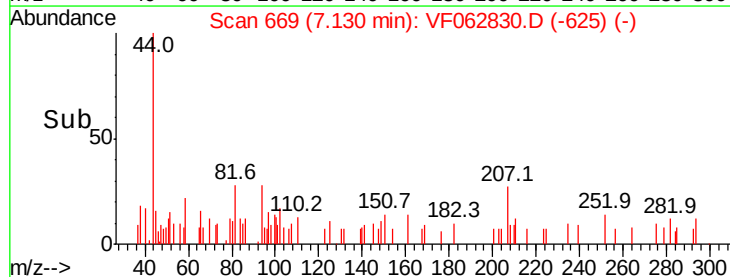
Abundance Ion 41.00 (40.70 to 41.70): VF0

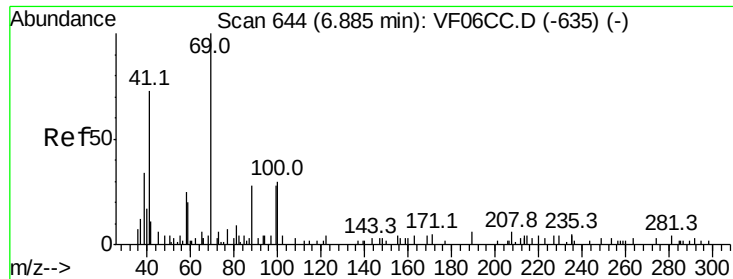
Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.13

Time-->

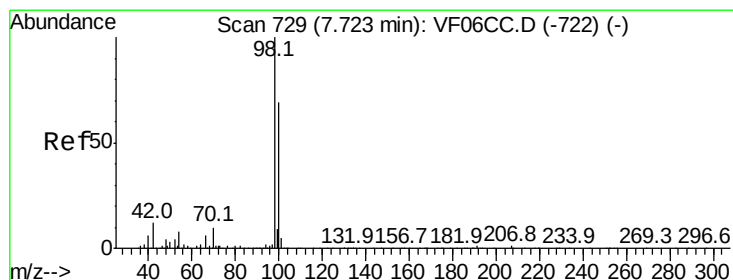
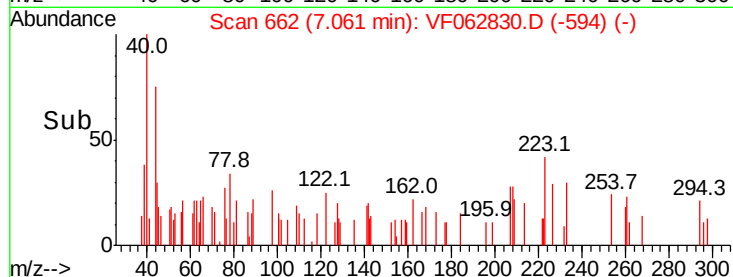
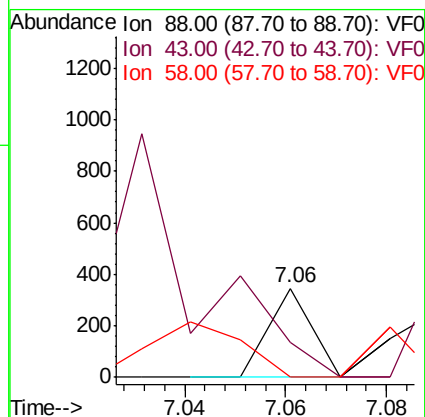
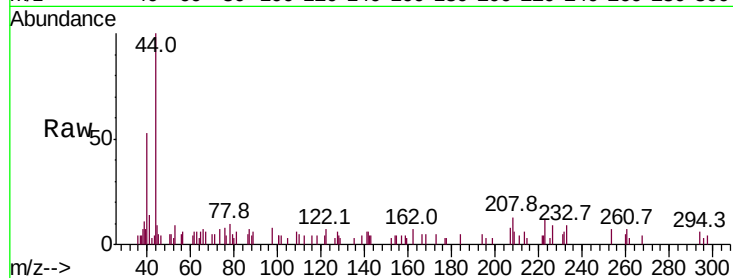




#49
1,4-Dioxane
Concen: 36675.531 ug/l
RT: 7.06 min Scan# 662
Delta R.T. 0.17 min
Lab File: VF062830.D
Acq: 3 Jun 2019 15:52

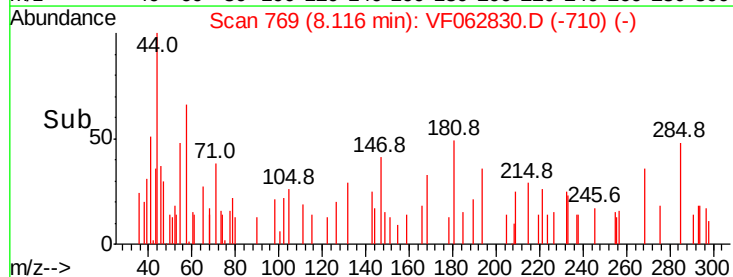
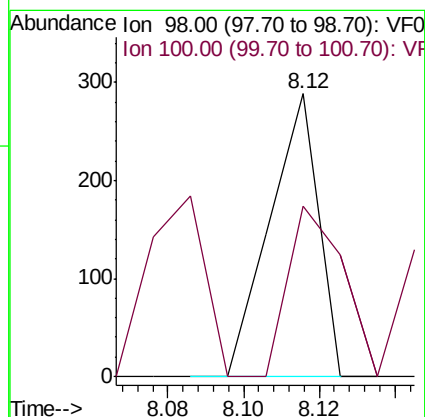
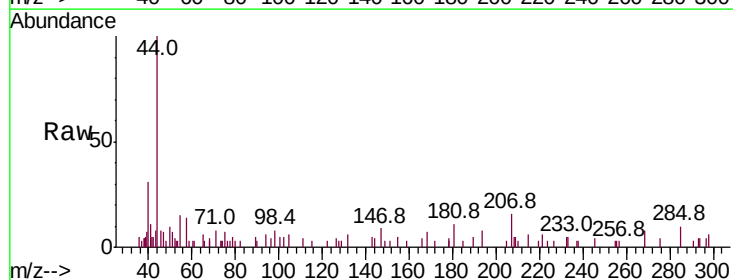
Instrument :
MSVOA_F
ClientSampleId :
0431-HR-11(HACKENSACK)

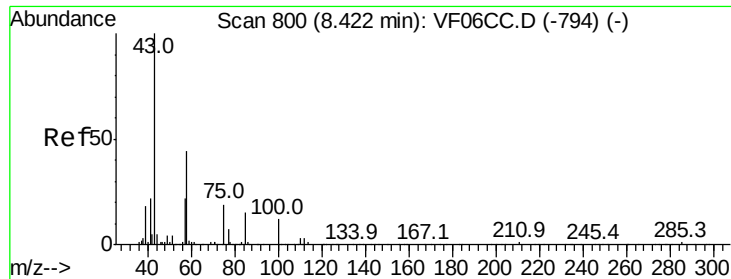
Tot Ion: 88 Resp: 205
Ion Ratio Lower Upper
88 100
43 38.7 34.8 52.2
58 0.0 59.9 89.9#



#50
Toluene-d8
Concen: 75.689 ug/l
RT: 8.12 min Scan# 769
Delta R.T. 0.38 min
Lab File: VF062830.D
Acq: 3 Jun 2019 15:52

Tgt Ion: 98 Resp: 256
Ion Ratio Lower Upper
98 100
100 60.4 59.8 89.8

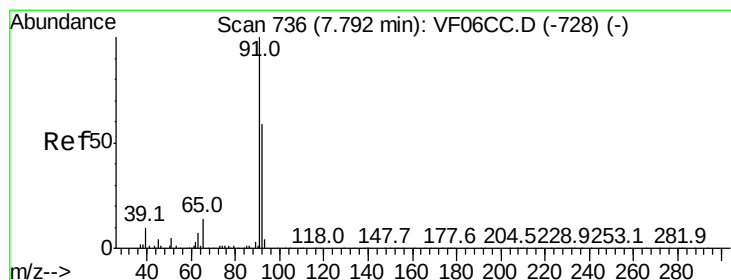
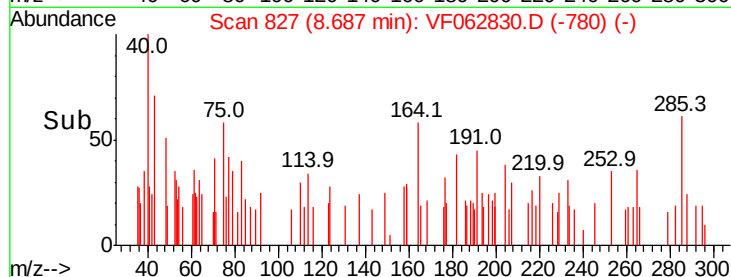
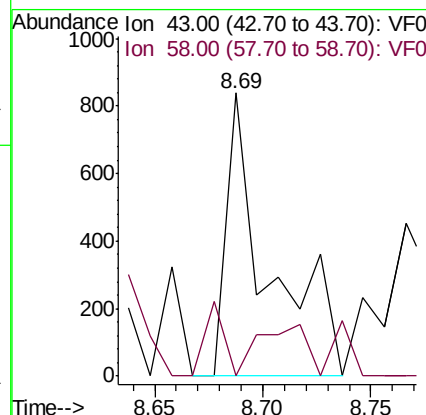
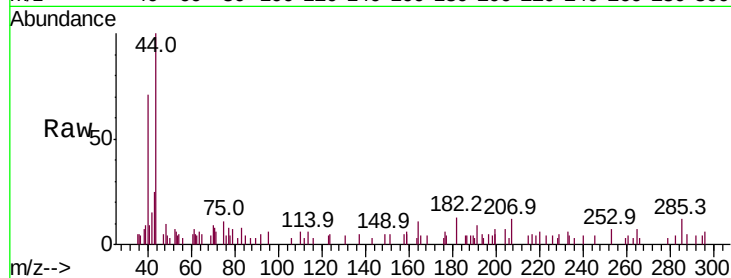




#51
4-Methyl-2-Pentanone
Concen: 1945.692 ug/l
RT: 8.69 min Scan# 827
Delta R.T. 0.26 min
Lab File: VF062830.D
Acq: 3 Jun 2019 15:52

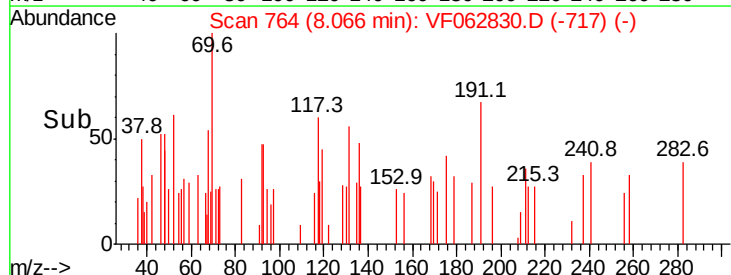
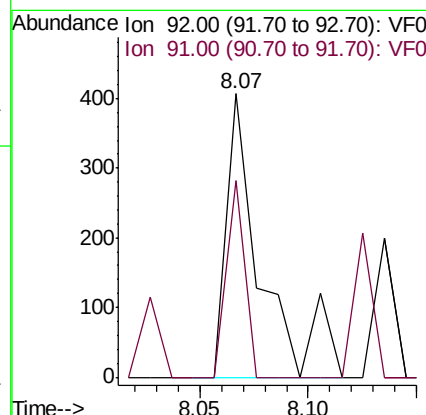
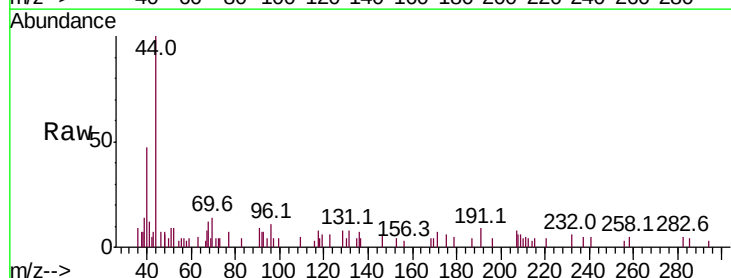
Instrument :
MSVOA_F
ClientSampleId :
0431-HR-11(HACKENSACK)

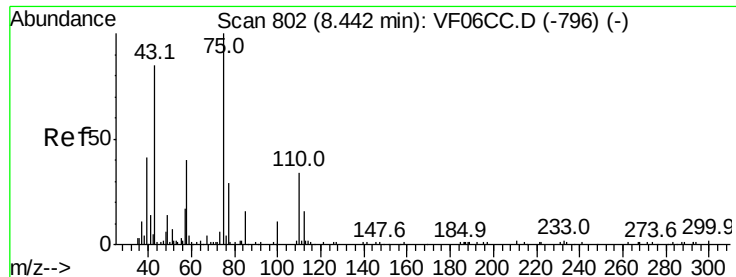
Tot Ion: 43 Resp: 1143
Ion Ratio Lower Upper
43 100
58 0.0 35.5 53.3#



#52
Toluene
Concen: 179.309 ug/l
RT: 8.07 min Scan# 764
Delta R.T. 0.26 min
Lab File: VF062830.D
Acq: 3 Jun 2019 15:52

Tgt Ion: 92 Resp: 458
Ion Ratio Lower Upper
92 100
91 69.3 123.2 184.8#





#53

t-1,3-Dichloropropene

Concen: 699.329 ug/l

RT: 8.75 min Scan# 833

Delta R.T. 0.30 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

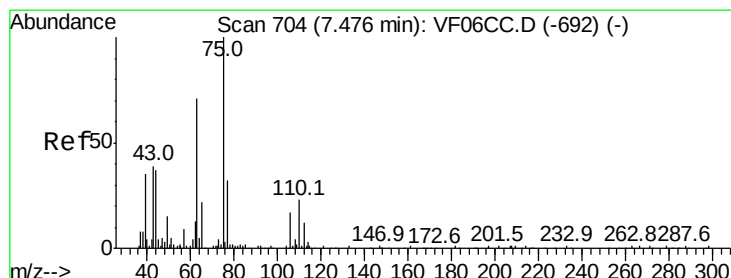
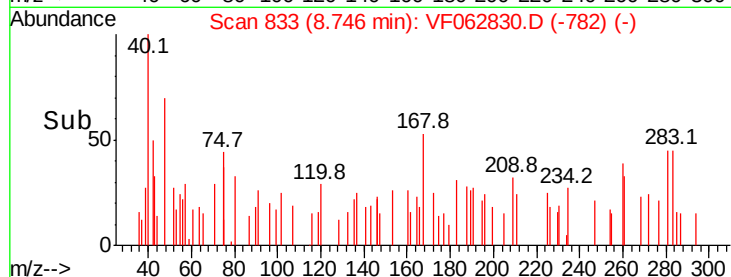
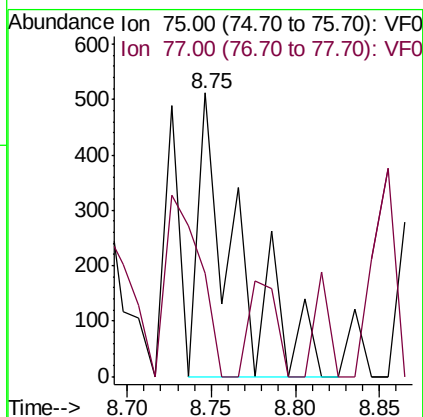
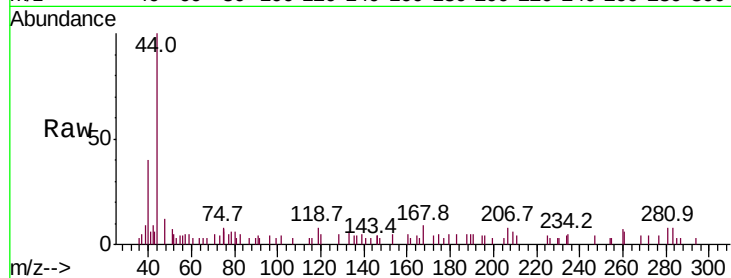
0431-HR-11(HACKENSACK)

Tot Ion: 75 Resp: 820

Ion Ratio Lower Upper

75 100

77 36.5 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 303.424 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.25 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

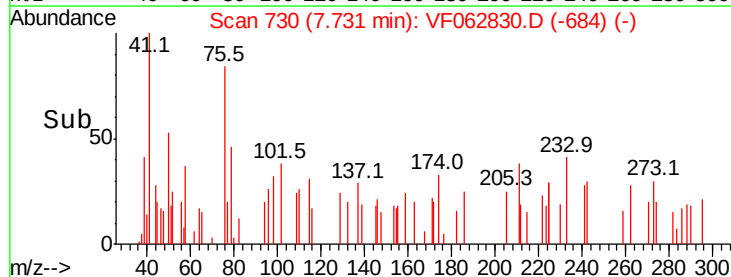
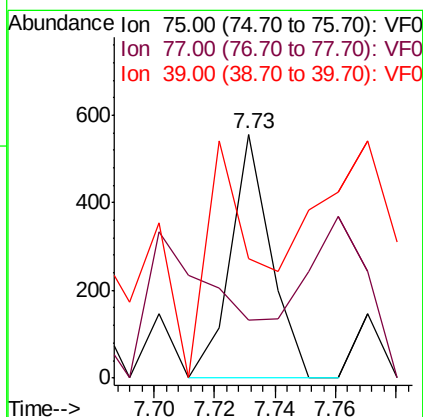
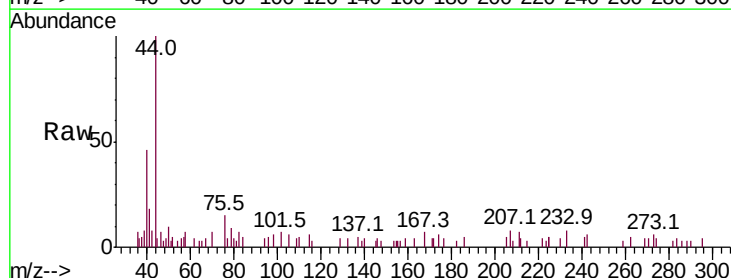
Tgt Ion: 75 Resp: 515

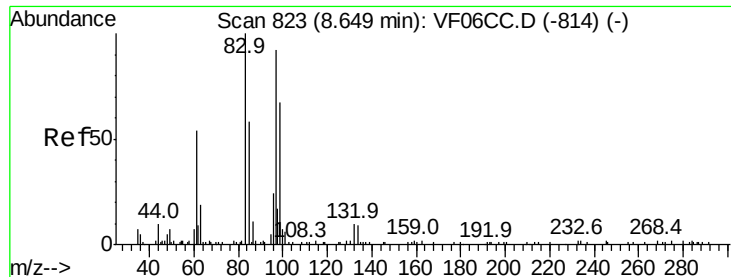
Ion Ratio Lower Upper

75 100

77 23.7 25.8 38.8#

39 49.1 28.4 42.6#





#55

1,1,2-Trichloroethane

Concen: 176.915 ug/l

RT: 8.90 min Scan# 849

Delta R.T. 0.25 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

0431-HR-11(HACKENSACK)

Tot Ion: 97 Resp: 135

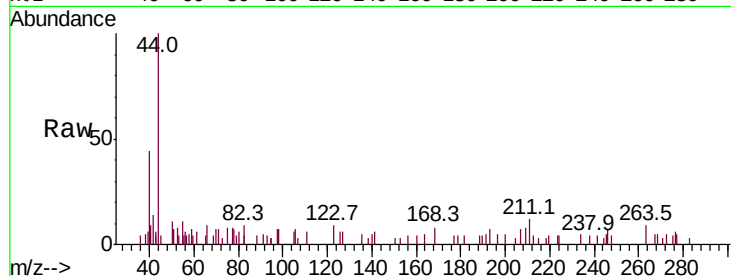
Ion Ratio Lower Upper

97 100

83 52.0 72.0 108.0#

85 0.0 47.5 71.3#

99 0.0 54.1 81.1#

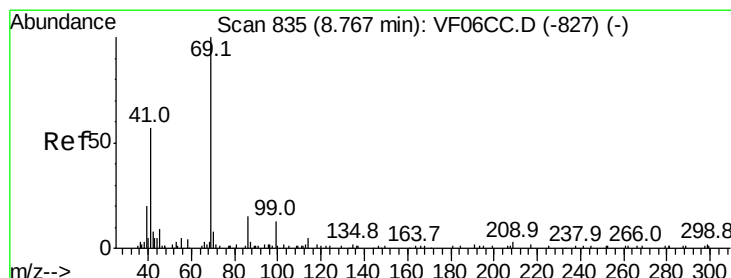
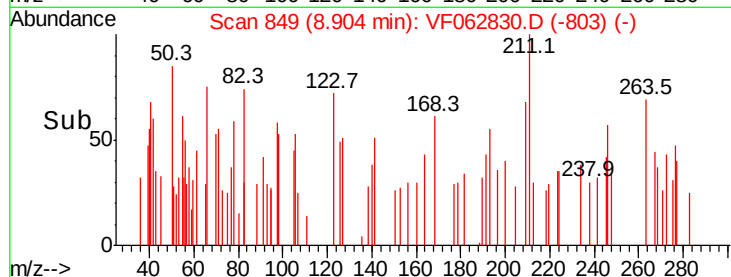
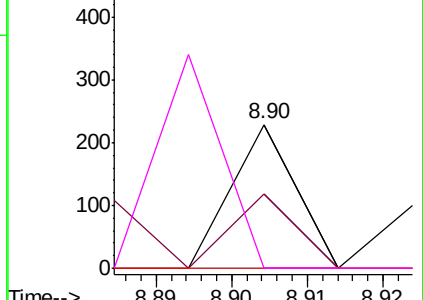


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 437.246 ug/l

RT: 9.05 min Scan# 864

Delta R.T. 0.27 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

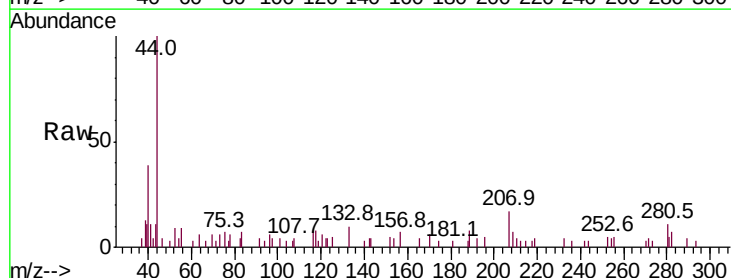
Tgt Ion: 69 Resp: 358

Ion Ratio Lower Upper

69 100

41 191.5 46.6 69.8#

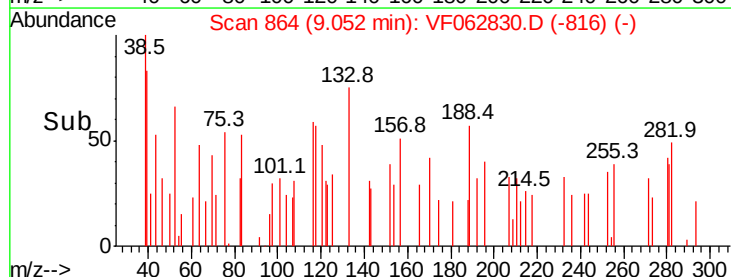
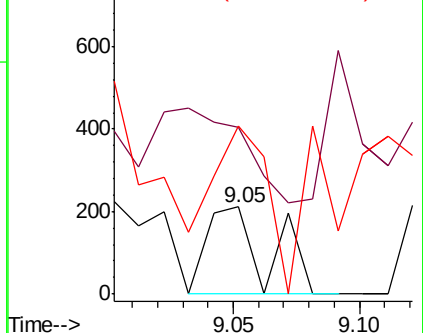
39 193.8 19.6 29.4#

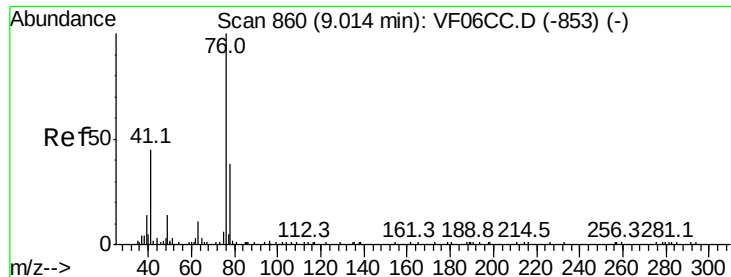


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 196.611 ug/l

RT: 9.31 min Scan# 890

Delta R.T. 0.29 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

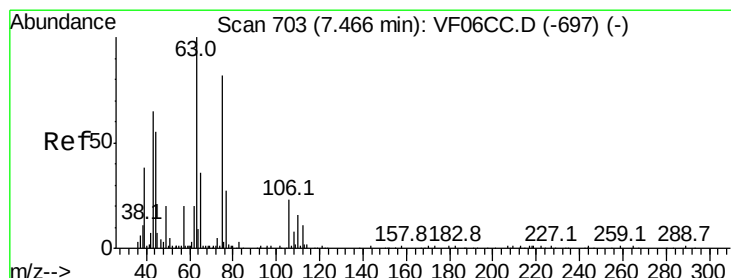
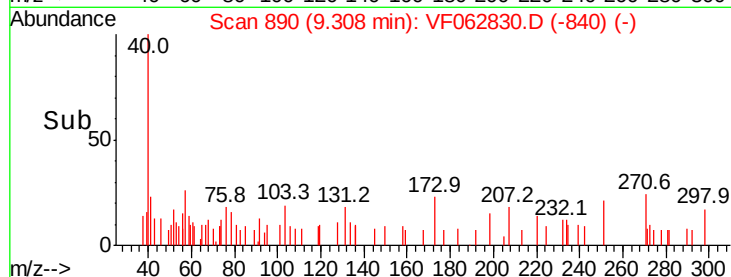
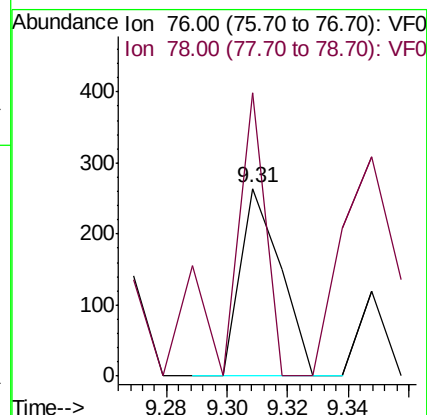
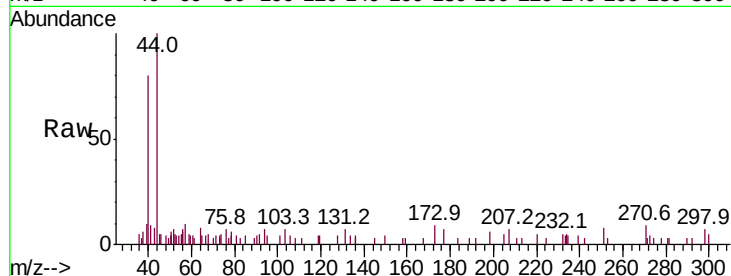
0431-HR-11(HACKENSACK)

Tot Ion: 76 Resp: 245

Ion Ratio Lower Upper

76 100

78 150.8 26.8 40.2#



#58

2-Chloroethyl Vinyl ether

Concen: 1072.872 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.25 min

Lab File: VF062830.D

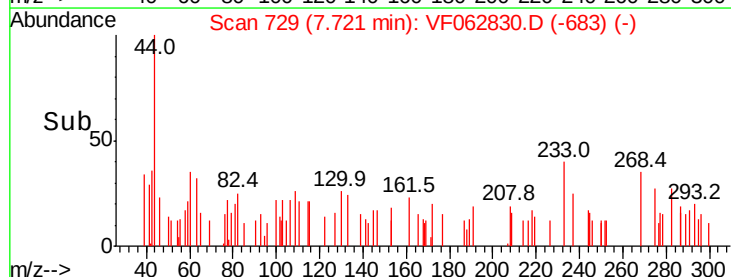
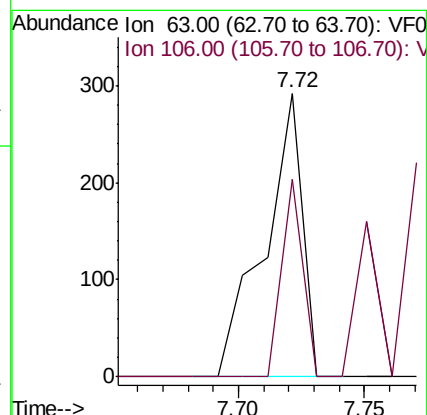
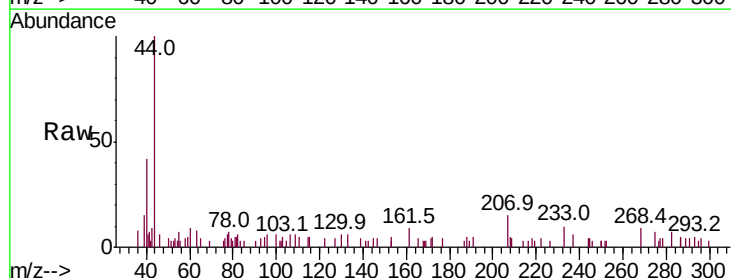
Acq: 3 Jun 2019 15:52

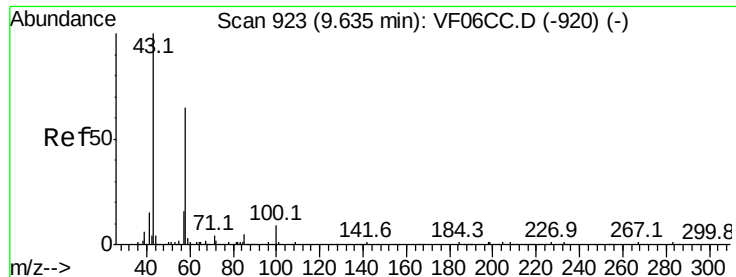
Tgt Ion: 63 Resp: 307

Ion Ratio Lower Upper

63 100

106 69.9 19.5 29.3#

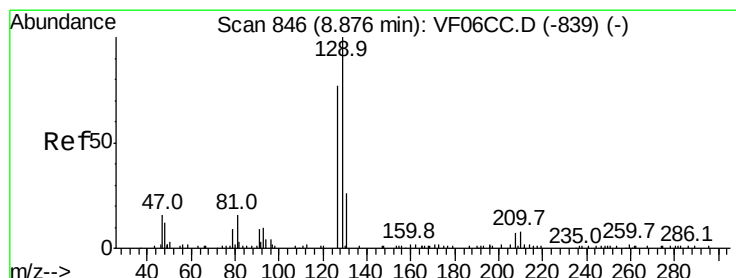
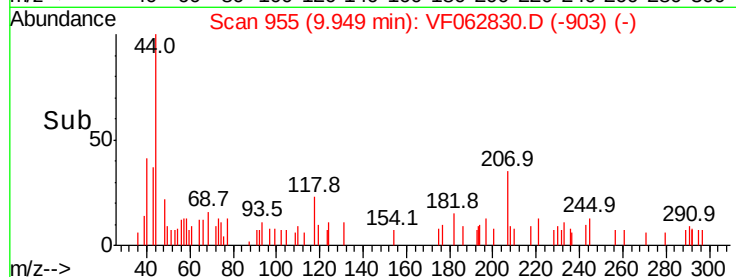
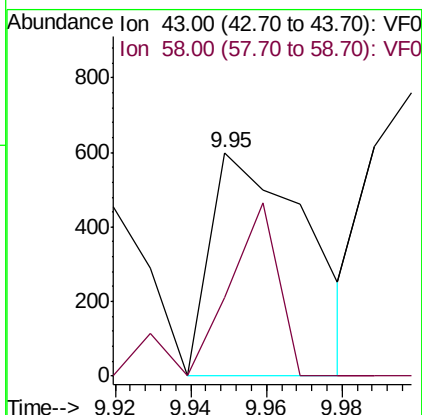
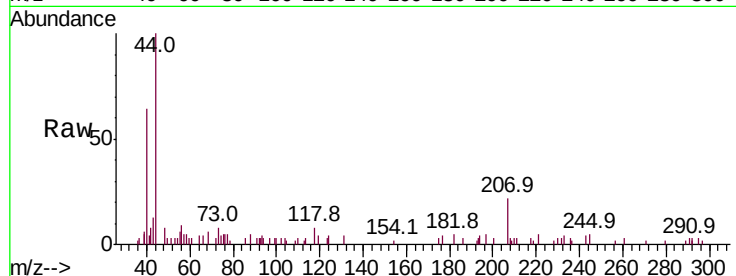




#59
2-Hexanone
Concen: 2560.204 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.31 min
Lab File: VF062830.D
Acq: 3 Jun 2019 15:52

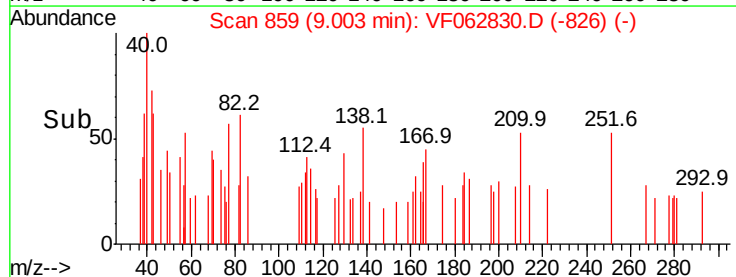
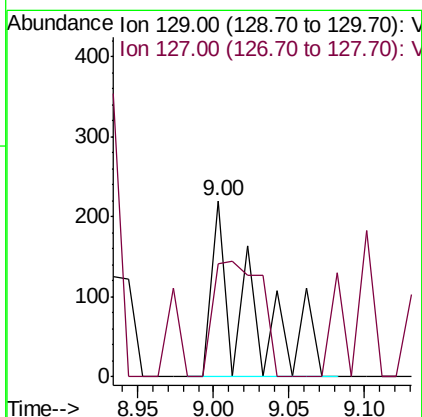
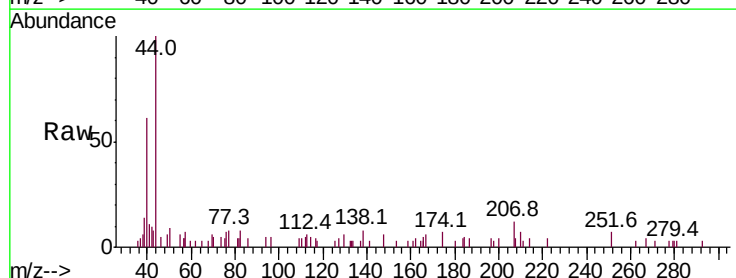
Instrument :
MSVOA_F
ClientSampleId :
0431-HR-11(HACKENSACK)

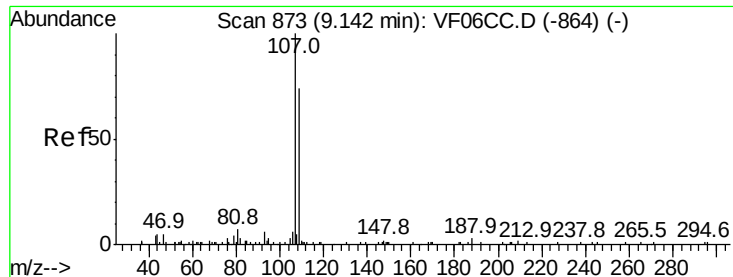
Tot Ion: 43 Resp: 1072
Ion Ratio Lower Upper
43 100
58 35.2 29.3 87.9



#60
Dibromochloromethane
Concen: 375.766 ug/l
RT: 9.00 min Scan# 859
Delta R.T. 0.12 min
Lab File: VF062830.D
Acq: 3 Jun 2019 15:52

Tgt Ion: 129 Resp: 355
Ion Ratio Lower Upper
129 100
127 64.1 37.1 111.3





#61

1,2-Dibromoethane

Concen: 100.946 ug/l

RT: 9.50 min Scan# 909

Delta R.T. 0.34 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

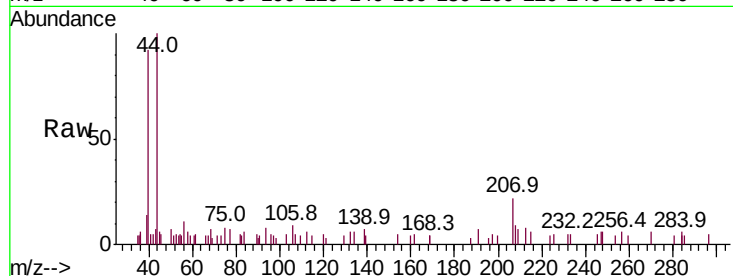
0431-HR-11(HACKENSACK)

Tot Ion:107 Resp: 80

Ion Ratio Lower Upper

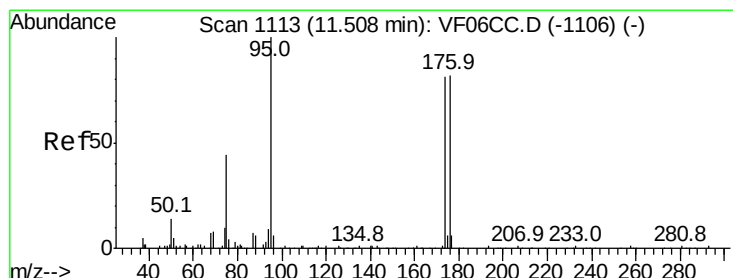
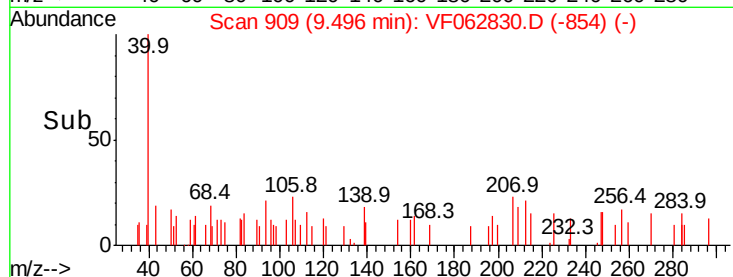
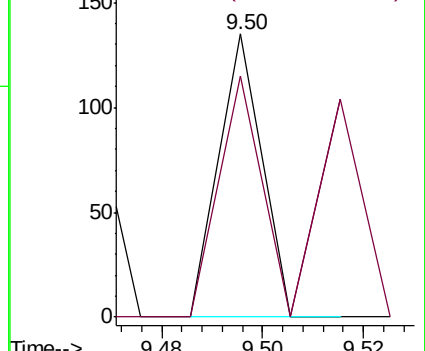
107 100

109 85.2 78.1 117.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 449.602 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. 0.35 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

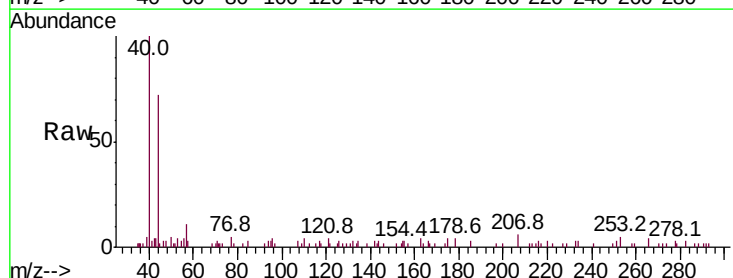
Tgt Ion: 95 Resp: 547

Ion Ratio Lower Upper

95 100

174 55.8 0.0 170.6

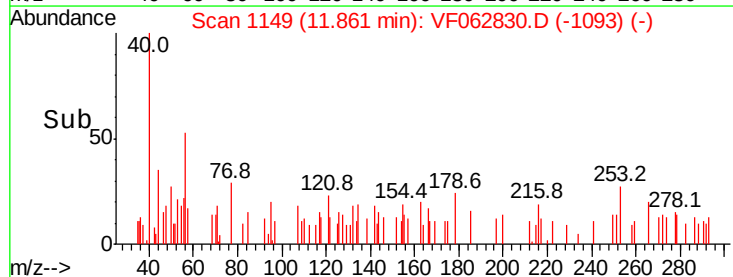
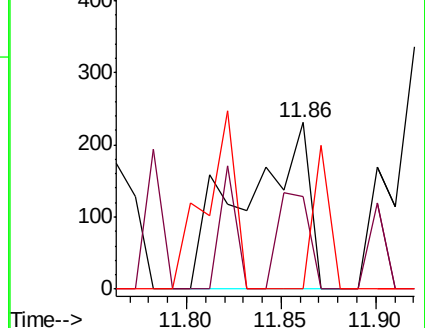
176 0.0 0.0 170.6

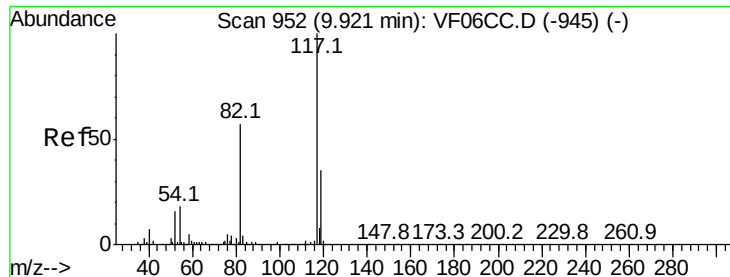


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.25 min Scan# 986

Delta R.T. 0.32 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

0431-HR-11(HACKENSACK)

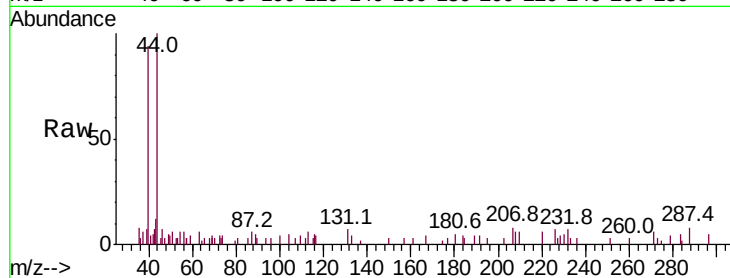
Tot Ion:117 Resp: 164

Ion Ratio Lower Upper

117 100

82 0.0 42.4 63.6#

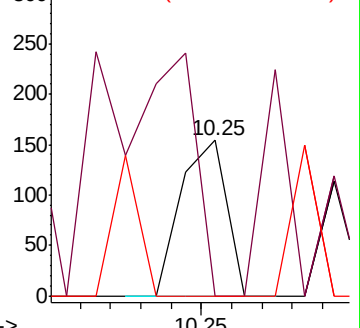
119 0.0 27.1 40.7#



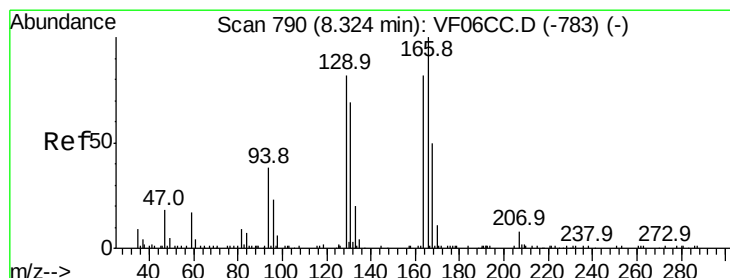
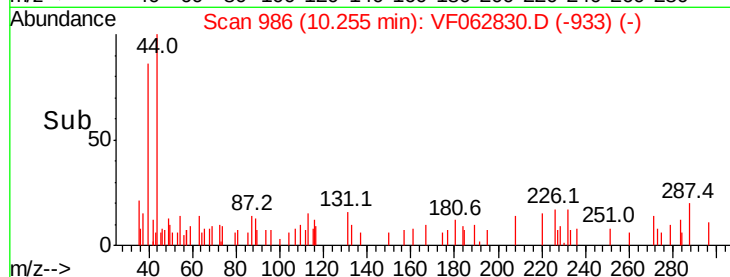
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



Time-->



#64

Tetrachloroethene

Concen: 102.361 ug/l

RT: 8.31 min Scan# 789

Delta R.T. -0.01 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Tgt Ion:164 Resp: 129

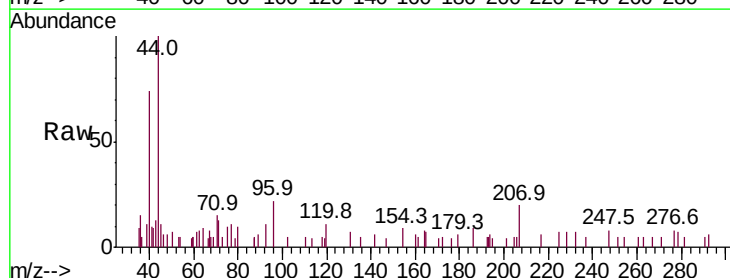
Ion Ratio Lower Upper

164 100

166 0.0 99.1 148.7#

129 0.0 69.5 104.3#

131 77.5 69.2 103.8

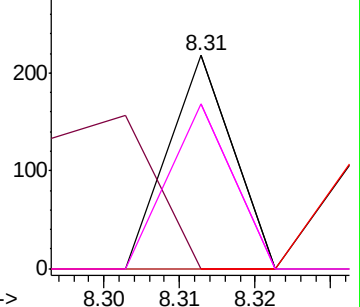


Abundance Ion 163.85 (163.55 to 164.55): V

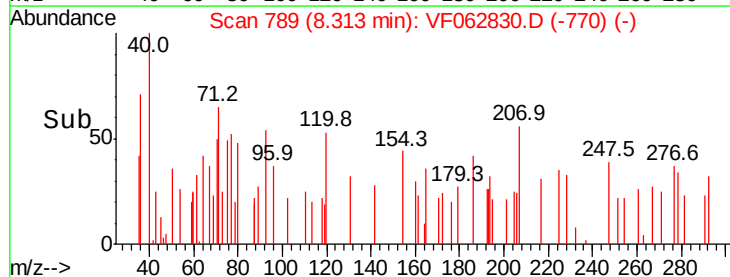
Ion 165.80 (165.50 to 166.50): V

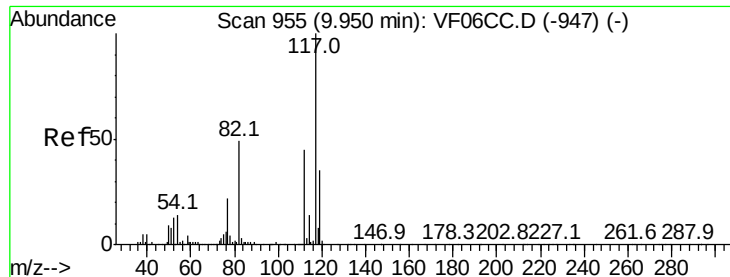
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



Time-->

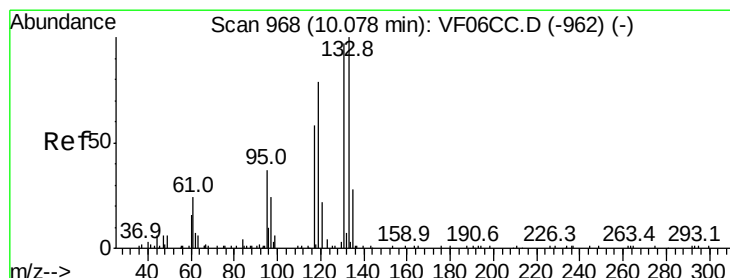
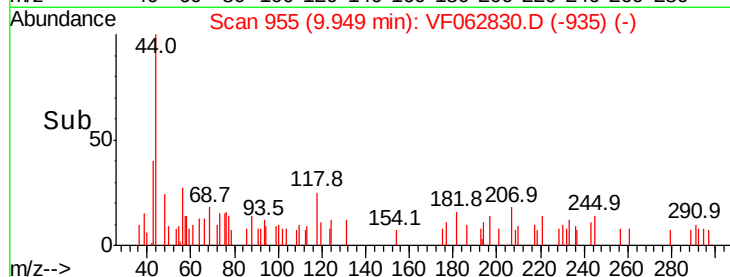
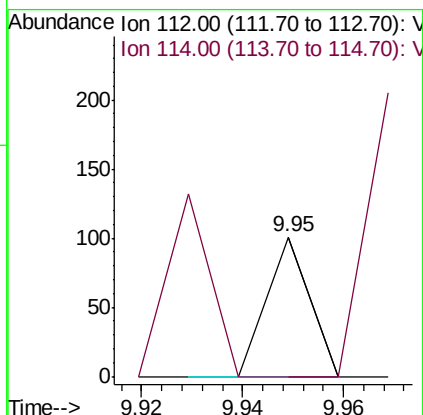
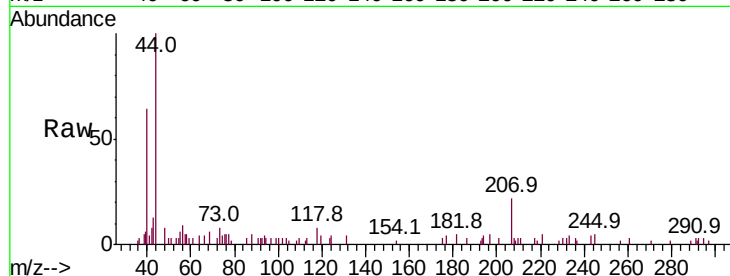




#65
Chlorobenzene
Concen: 18.945 ug/l
RT: 9.95 min Scan# 955
Delta R.T. -0.00 min
Lab File: VF062830.D
Acq: 3 Jun 2019 15:52

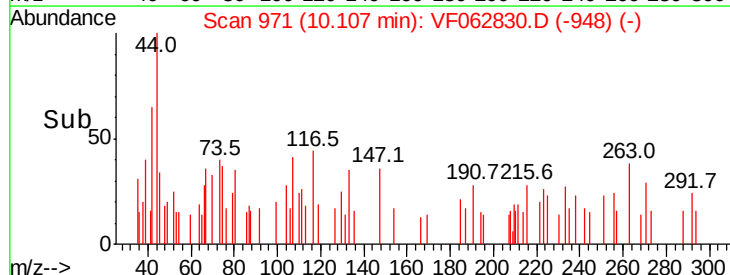
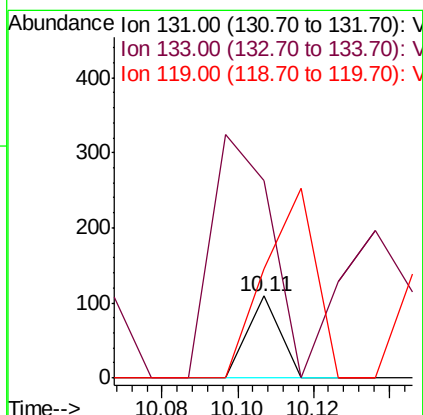
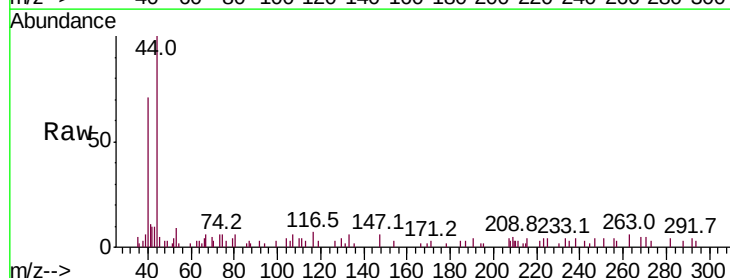
Instrument :
MSVOA_F
ClientSampleId :
0431-HR-11(HACKENSACK)

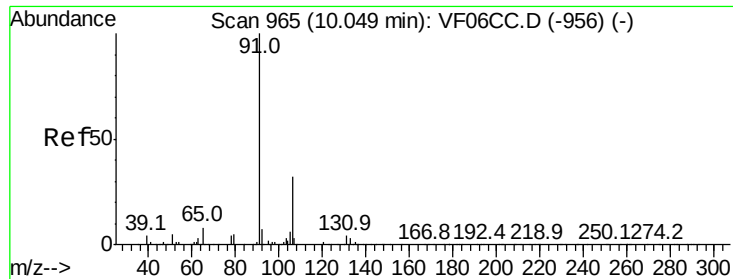
Tot Ion:112 Resp: 60
Ion Ratio Lower Upper
112 100
114 0.0 27.4 41.0#



#66
1,1,1,2-Tetrachloroethane
Concen: 50.740 ug/l
RT: 10.11 min Scan# 971
Delta R.T. 0.03 min
Lab File: VF062830.D
Acq: 3 Jun 2019 15:52

Tgt Ion:131 Resp: 64
Ion Ratio Lower Upper
131 100
133 241.3 48.9 146.7#
119 133.9 38.0 114.0#





#67

Ethyl Benzene

Concen: 26.680 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

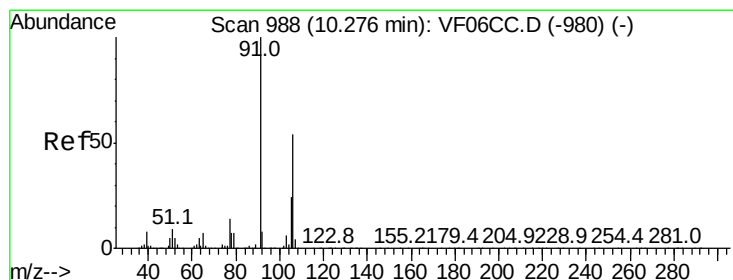
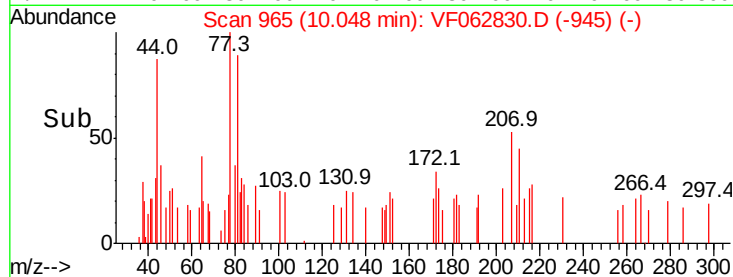
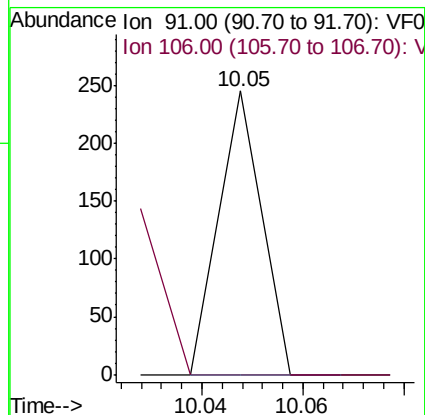
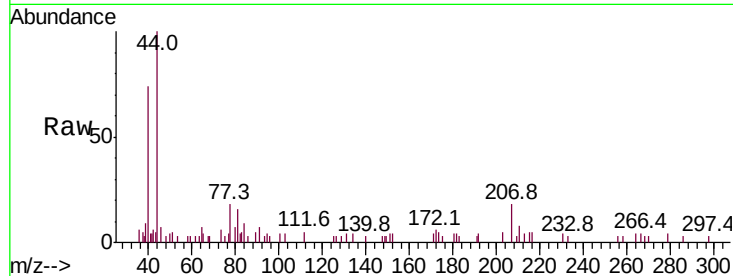
0431-HR-11(HACKENSACK)

Tot Ion: 91 Resp: 145

Ion Ratio Lower Upper

91 100

106 0.0 26.0 39.0#



#68

m/p-Xylenes

Concen: 37.986 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF062830.D

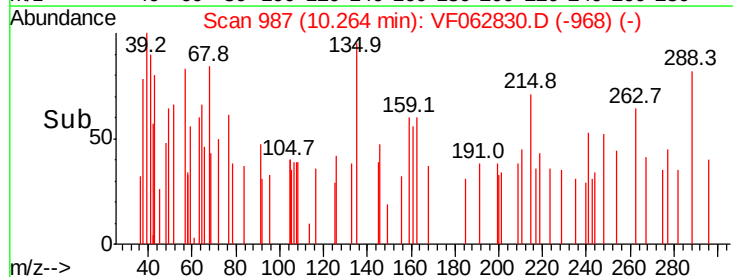
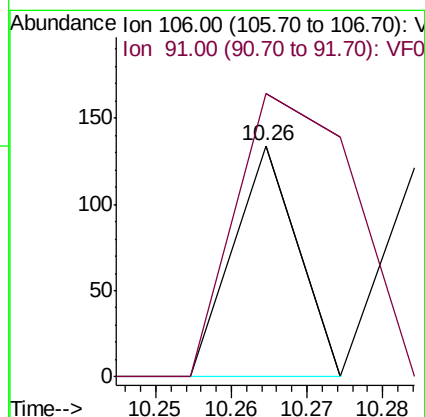
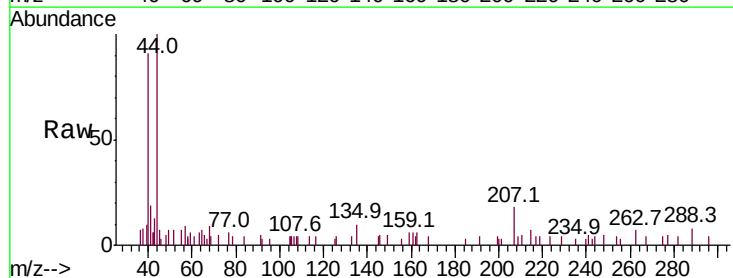
Acq: 3 Jun 2019 15:52

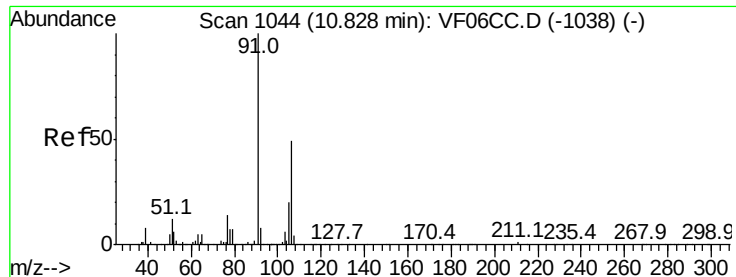
Tgt Ion: 106 Resp: 79

Ion Ratio Lower Upper

106 100

91 122.4 136.2 204.4#

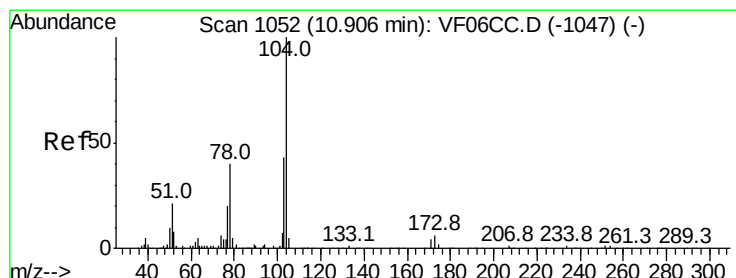
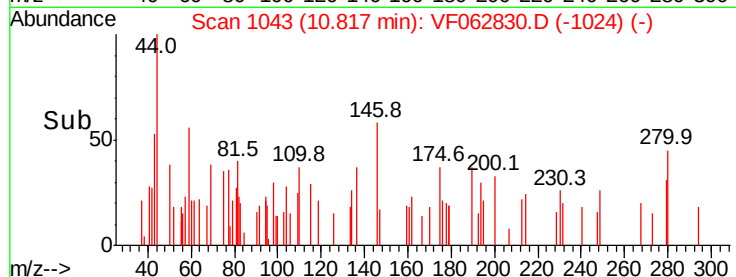
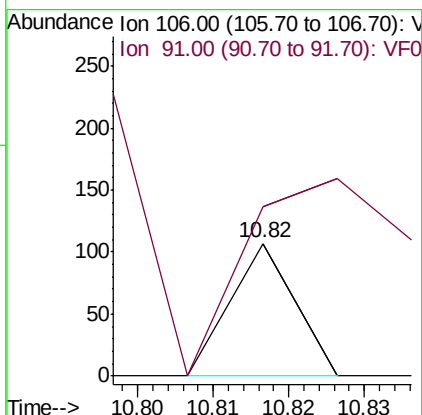
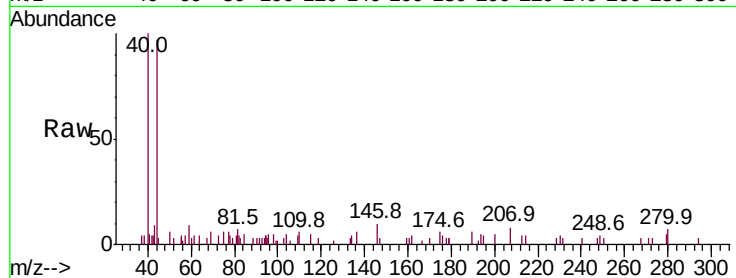




#69
o-Xylene
Concen: 29.919 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062830.D
Acq: 3 Jun 2019 15:52

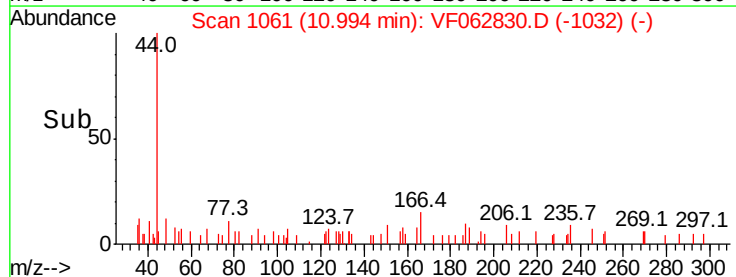
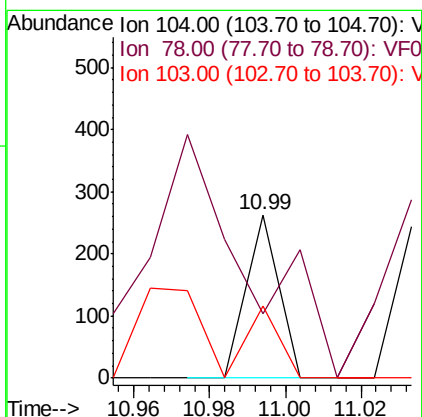
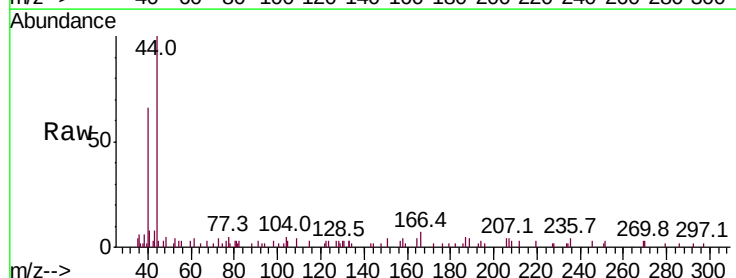
Instrument :
MSVOA_F
ClientSampleId :
0431-HR-11(HACKENSACK)

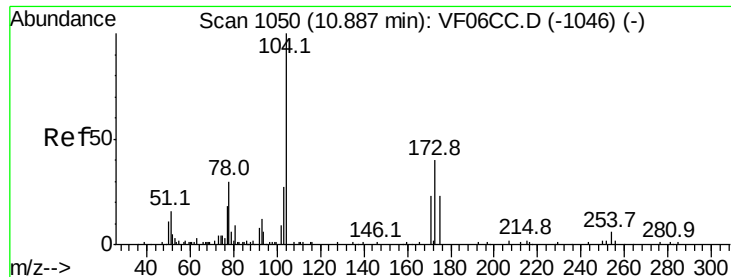
Tot Ion:106 Resp: 63
Ion Ratio Lower Upper
106 100
91 128.0 96.6 289.8



#70
Styrene
Concen: 49.942 ug/l
RT: 10.99 min Scan# 1061
Delta R.T. 0.09 min
Lab File: VF062830.D
Acq: 3 Jun 2019 15:52

Tgt Ion:104 Resp: 155
Ion Ratio Lower Upper
104 100
78 39.2 30.8 46.2
103 44.1 35.8 53.6





#71

Bromoform

Concen: 188.405 ug/l

RT: 10.91 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

0431-HR-11(HACKENSACK)

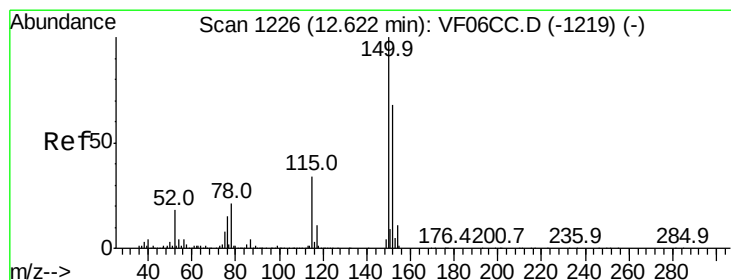
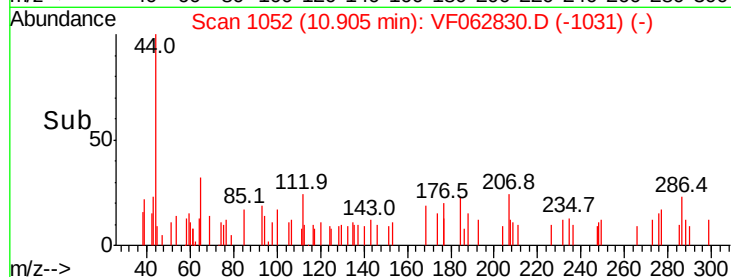
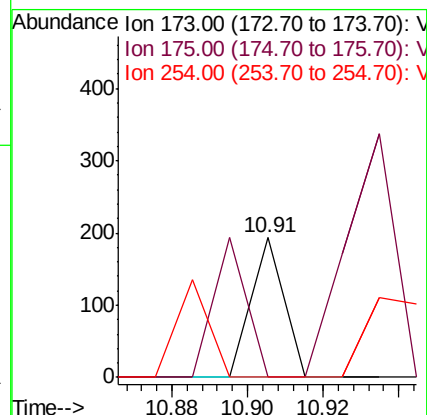
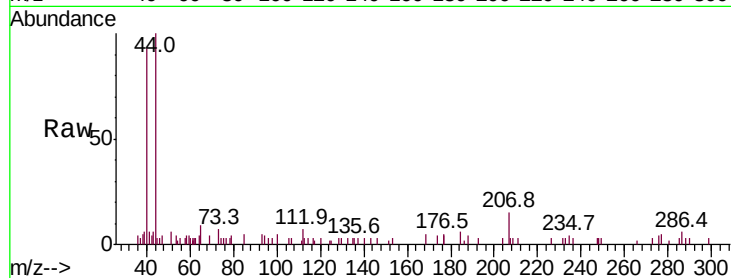
Tot Ion:173 Resp: 114

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: 12.65 min Scan# 1229

Delta R.T. 0.03 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

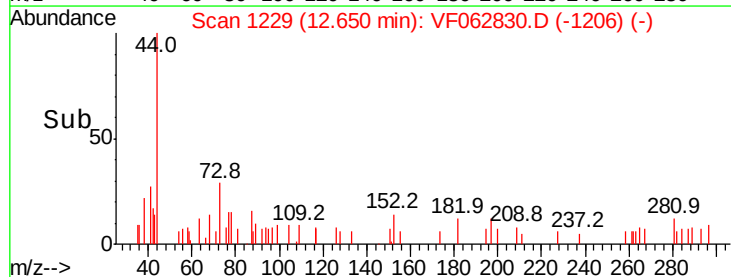
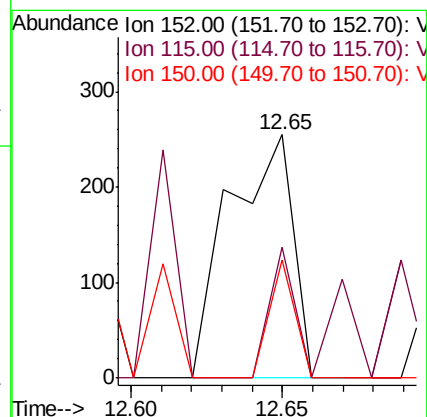
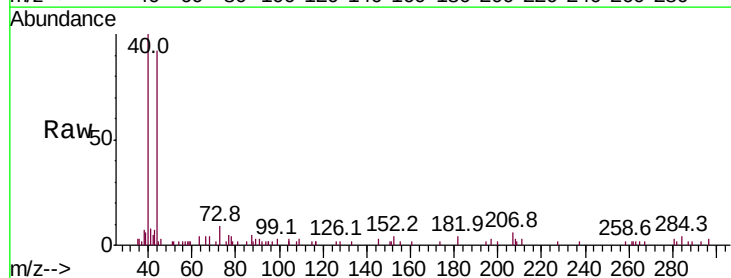
Tgt Ion:152 Resp: 376

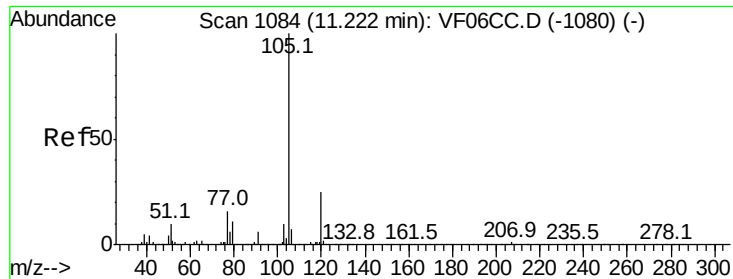
Ion Ratio Lower Upper

152 100

115 53.7 24.6 74.0

150 48.2 0.0 290.6





#73

Isopropylbenzene

Concen: 4.688 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

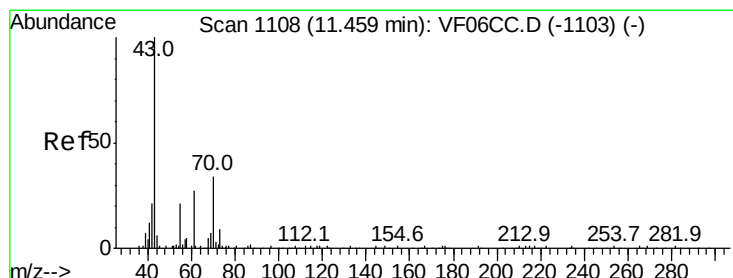
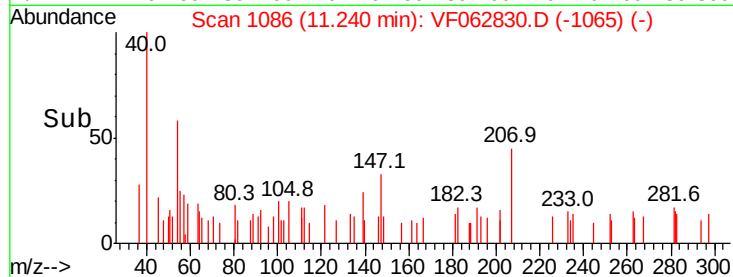
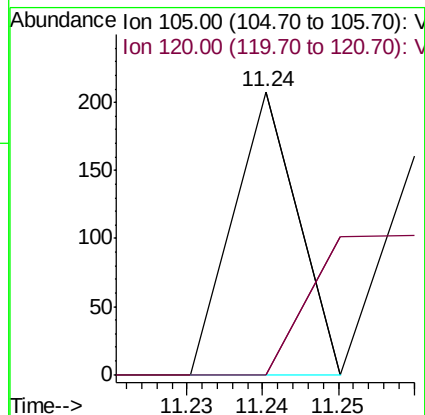
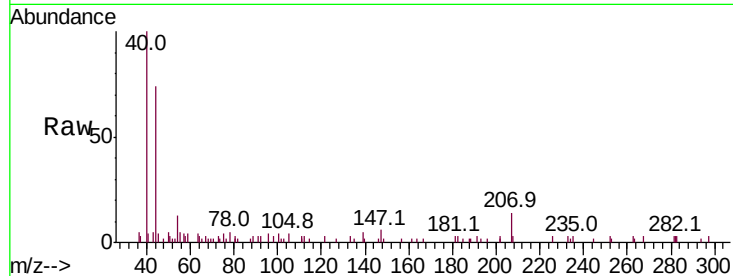
0431-HR-11(HACKENSACK)

Tot Ion:105 Resp: 123

Ion Ratio Lower Upper

105 100

120 0.0 15.1 45.3#



#74

N-ethyl acetate

Concen: 77.491 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Tgt Ion: 43 Resp: 573

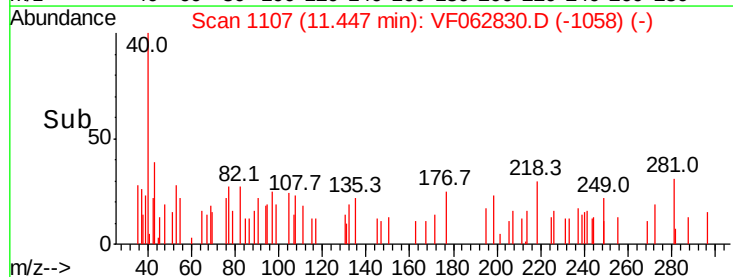
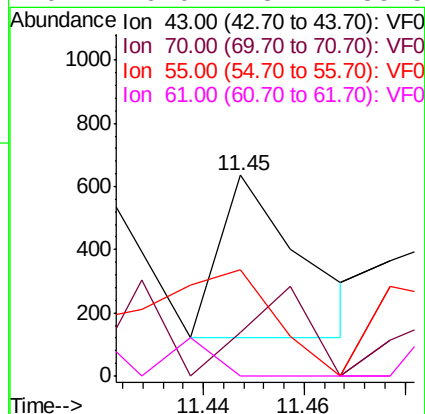
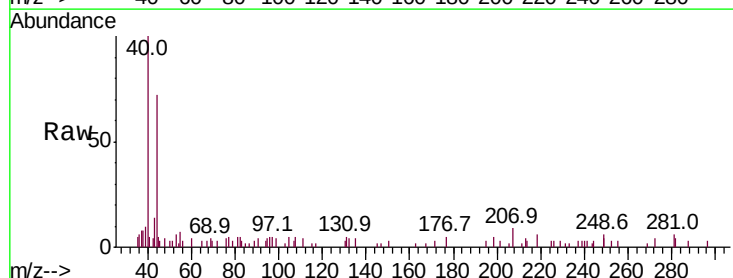
Ion Ratio Lower Upper

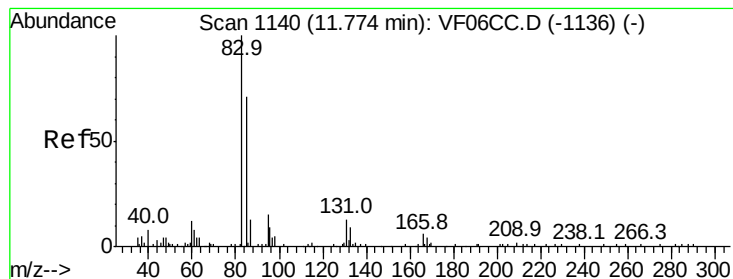
43 100

70 21.7 32.9 49.3#

55 53.1 17.3 25.9#

61 0.0 23.7 35.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 10.888 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

0431-HR-11(HACKENSACK)

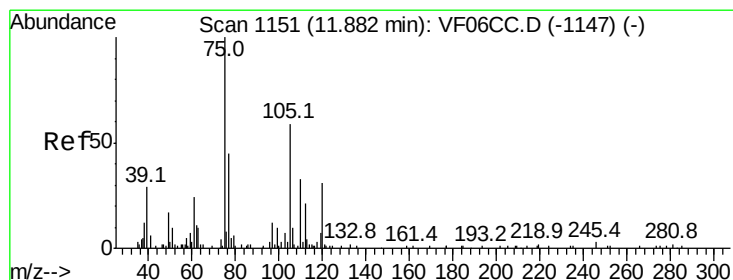
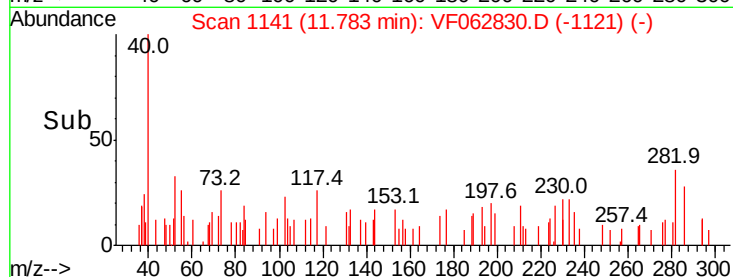
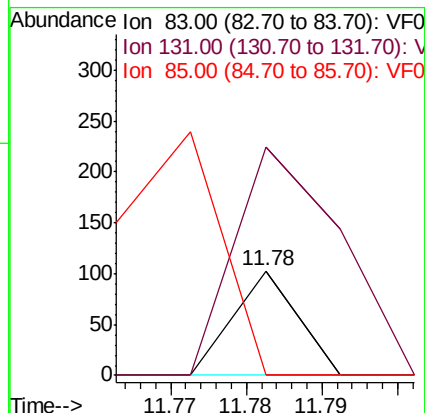
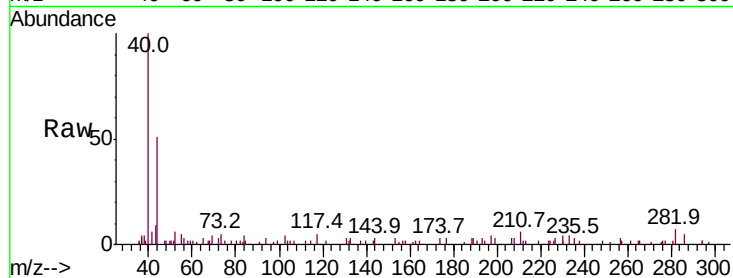
Tot Ion: 83 Resp: 61

Ion Ratio Lower Upper

83 100

131 217.5 4.9 14.7#

85 0.0 32.1 96.5#



#76

1,2,3-Trichloropropane

Concen: 114.438 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.01 min

Lab File: VF062830.D

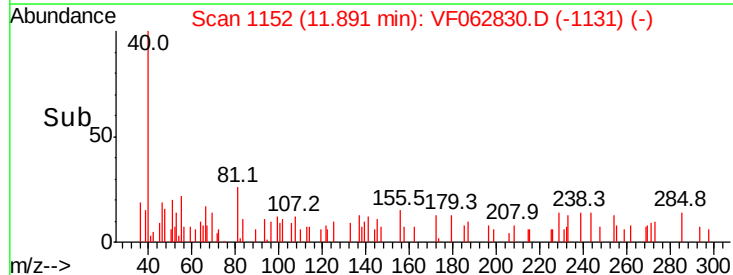
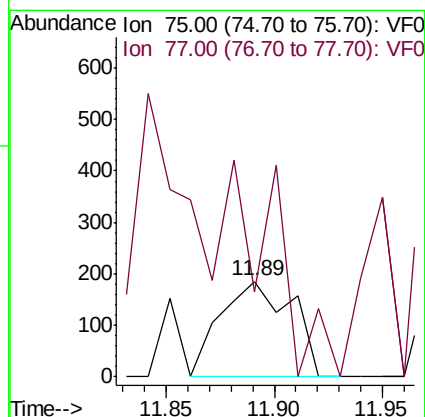
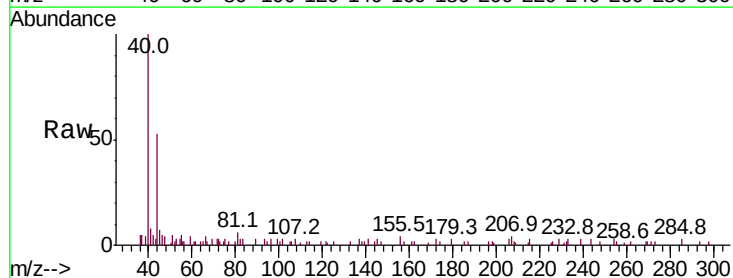
Acq: 3 Jun 2019 15:52

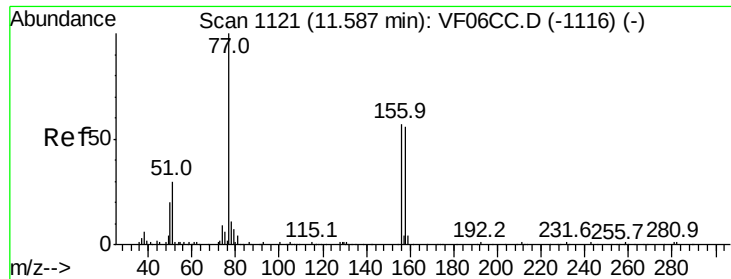
Tgt Ion: 75 Resp: 425

Ion Ratio Lower Upper

75 100

77 89.2 20.1 60.2#





#77

Bromobenzene

Concen: 18.356 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. 0.02 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

0431-HR-11(HACKENSACK)

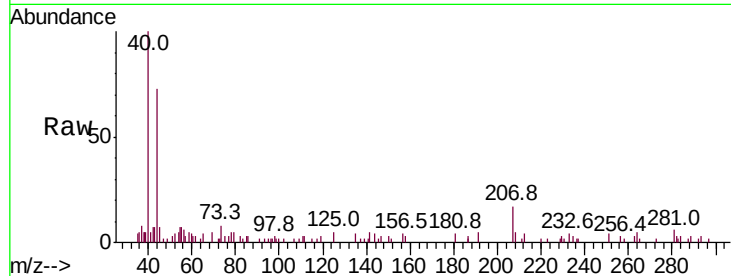
Tot Ion:156 Resp: 121

Ion Ratio Lower Upper

156 100

77 72.5 64.2 192.6

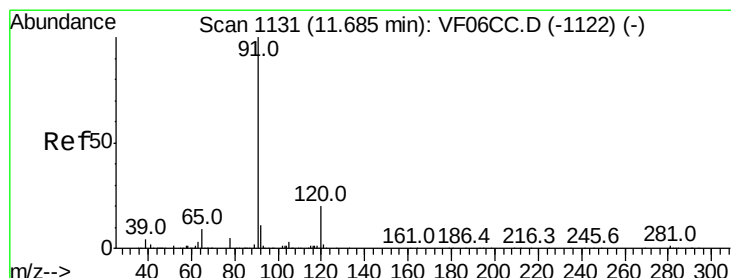
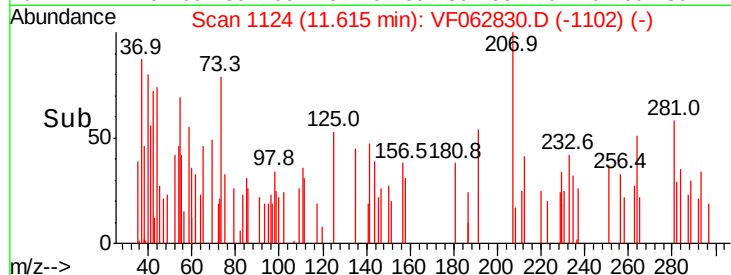
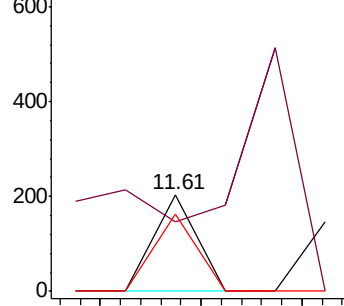
158 80.4 50.3 151.0



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: 10.796 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062830.D

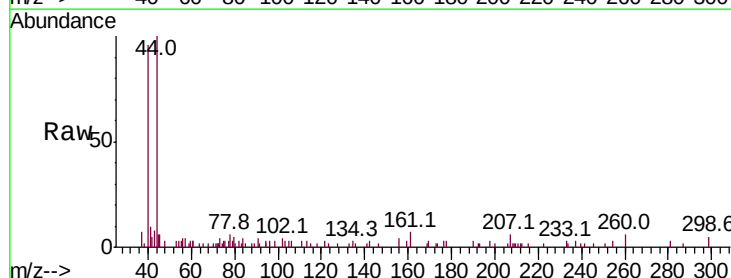
Acq: 3 Jun 2019 15:52

Tgt Ion: 91 Resp: 342

Ion Ratio Lower Upper

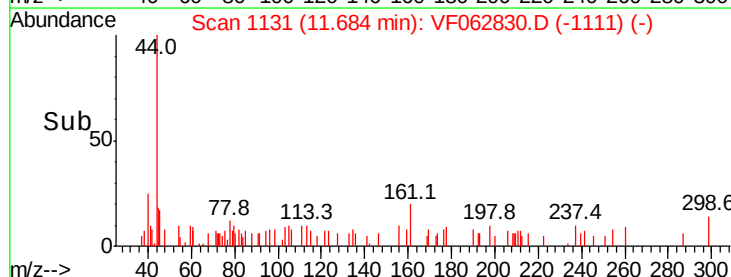
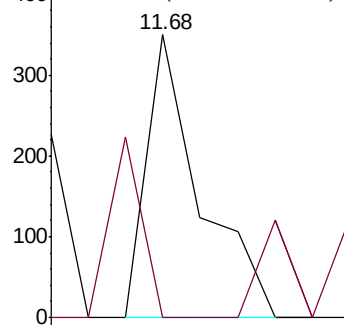
91 100

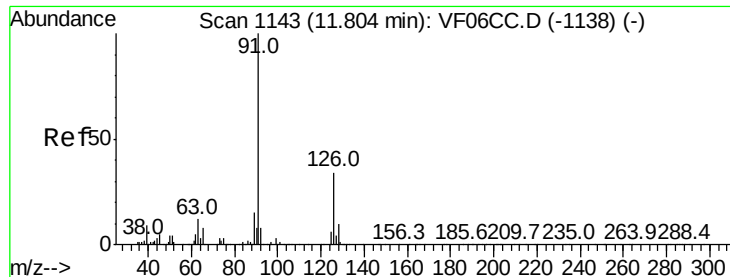
120 0.0 12.8 38.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 7.613 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

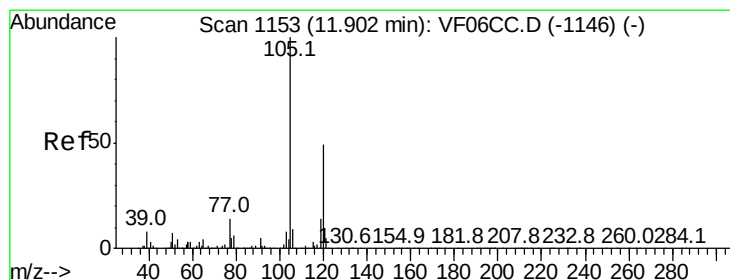
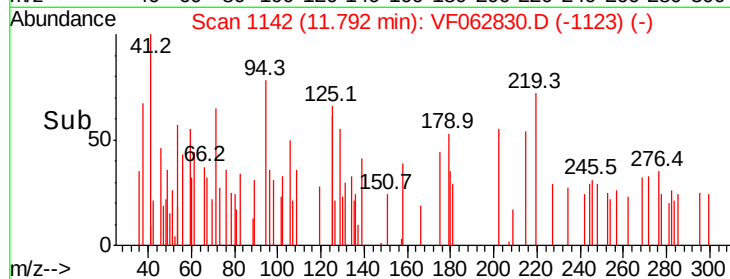
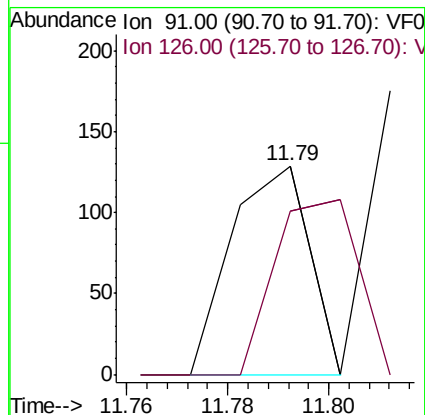
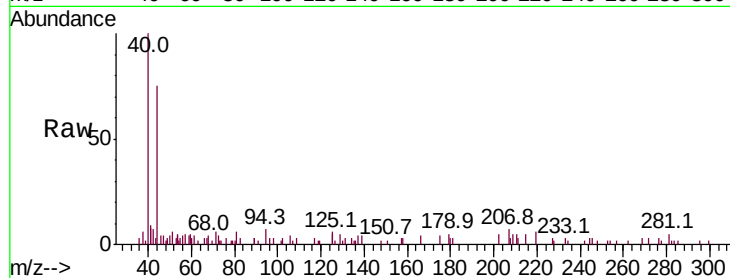
0431-HR-11(HACKENSACK)

Tot Ion: 91 Resp: 138

Ion Ratio Lower Upper

91 100

126 78.3 17.8 53.3#



#80

1,3,5-Trimethylbenzene

Concen: 4.474 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.08 min

Lab File: VF062830.D

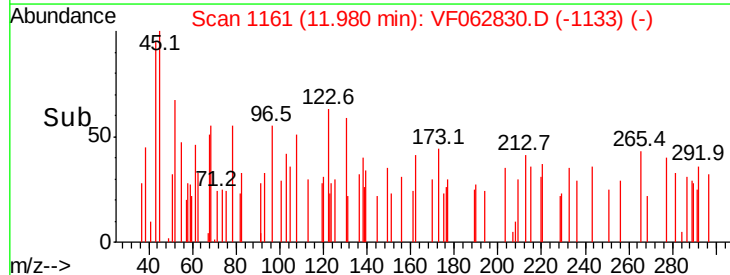
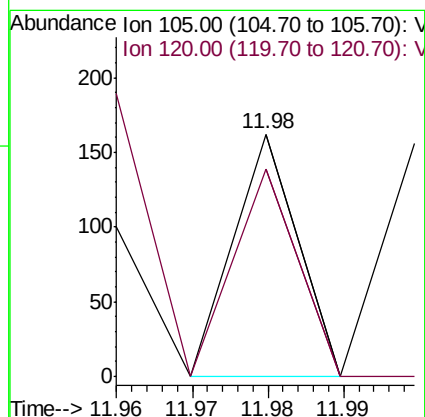
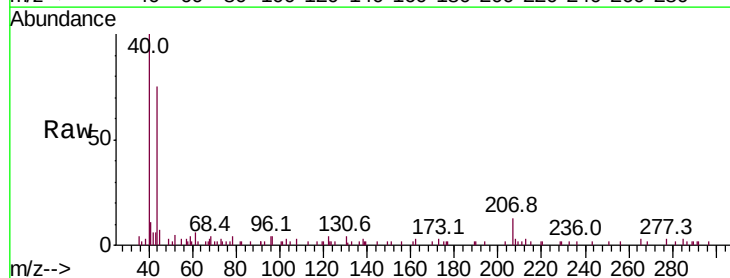
Acq: 3 Jun 2019 15:52

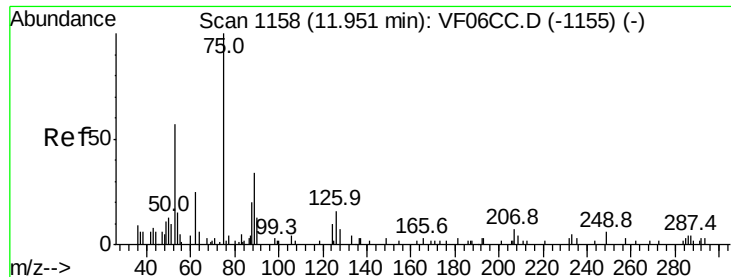
Tgt Ion: 105 Resp: 96

Ion Ratio Lower Upper

105 100

120 85.8 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 140.558 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.02 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

0431-HR-11(HACKENSACK)

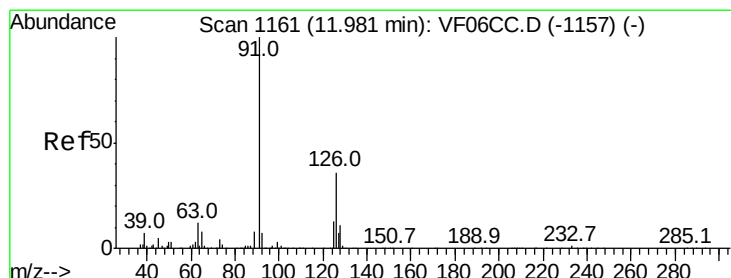
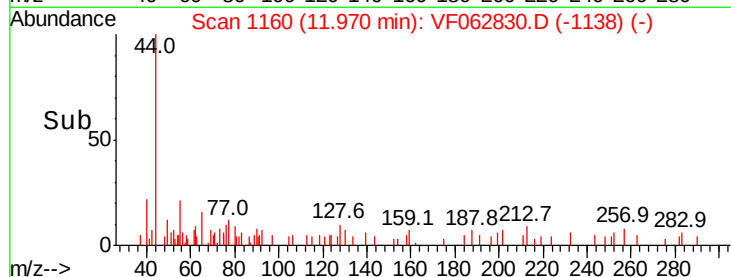
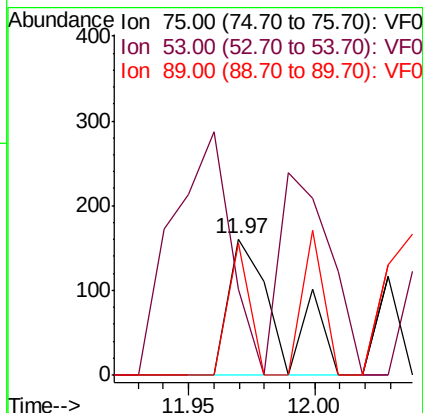
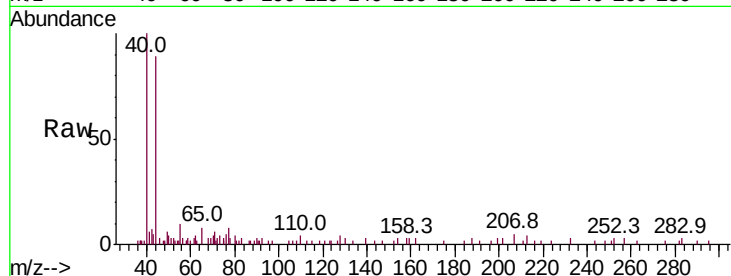
Tot Ion: 75 Resp: 221

Ion Ratio Lower Upper

75 100

53 62.7 43.5 65.3

89 96.9 34.3 51.5#



#82

4-Chlorotoluene

Concen: 22.624 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VF062830.D

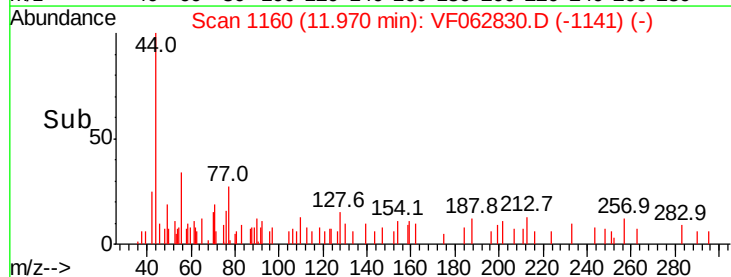
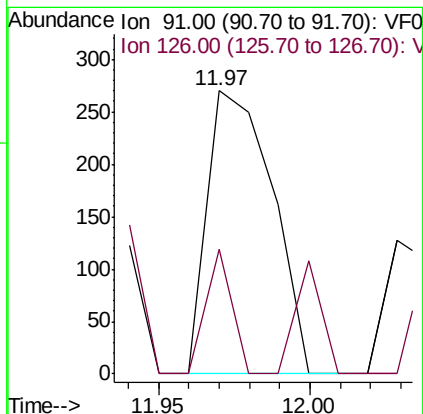
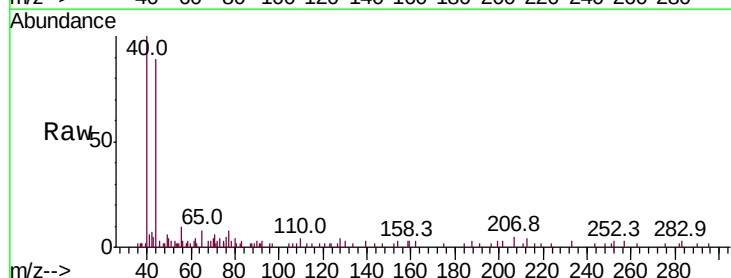
Acq: 3 Jun 2019 15:52

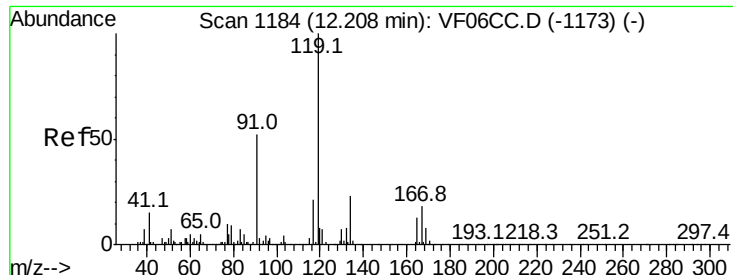
Tgt Ion: 91 Resp: 403

Ion Ratio Lower Upper

91 100

126 44.1 19.1 57.1





#83

tert-Butylbenzene

Concen: 18.486 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

0431-HR-11(HACKENSACK)

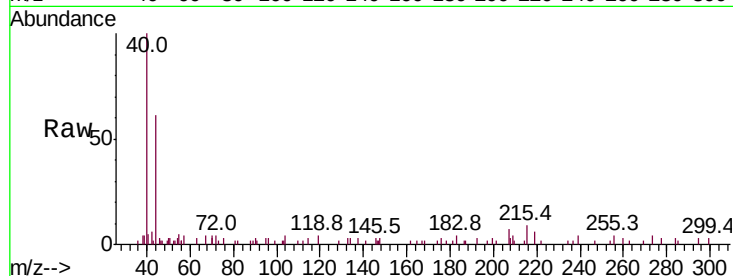
Tot Ion:119 Resp: 393

Ion Ratio Lower Upper

119 100

91 38.0 28.9 86.7

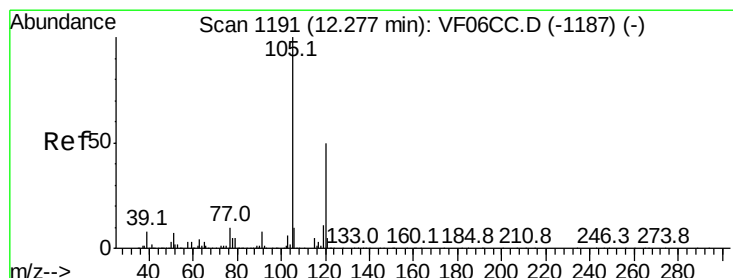
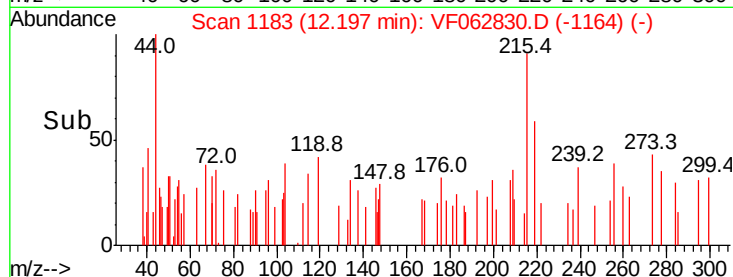
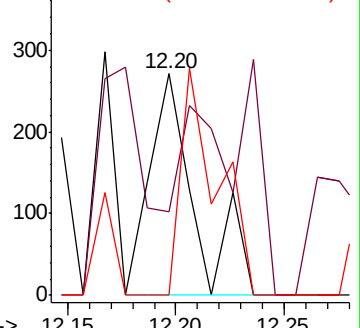
134 0.0 14.3 42.9#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 6.636 ug/l

RT: 12.42 min Scan# 1206

Delta R.T. 0.14 min

Lab File: VF062830.D

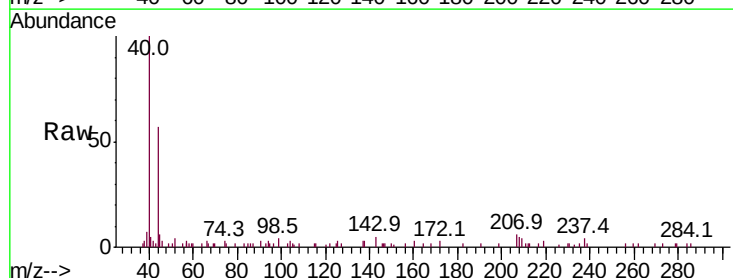
Acq: 3 Jun 2019 15:52

Tgt Ion:105 Resp: 135

Ion Ratio Lower Upper

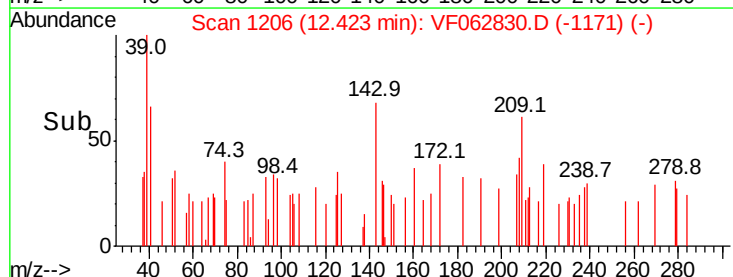
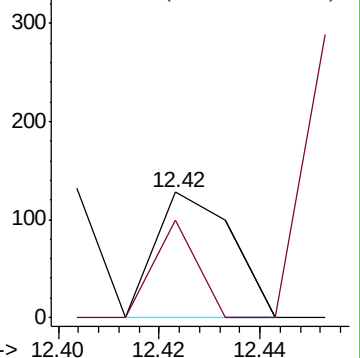
105 100

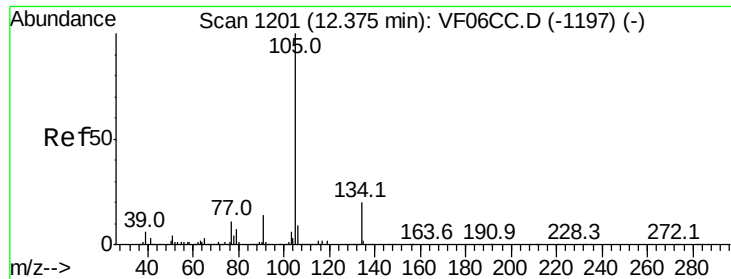
120 78.1 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 2.570 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

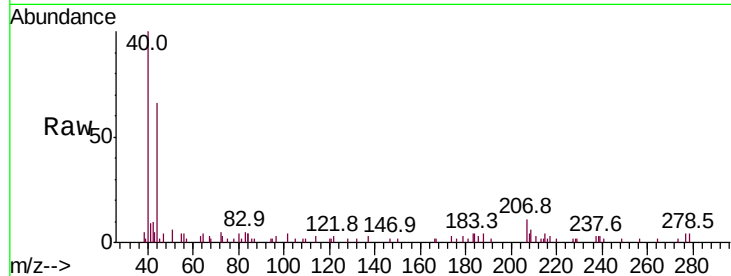
0431-HR-11(HACKENSACK)

Tot Ion:105 Resp: 72

Ion Ratio Lower Upper

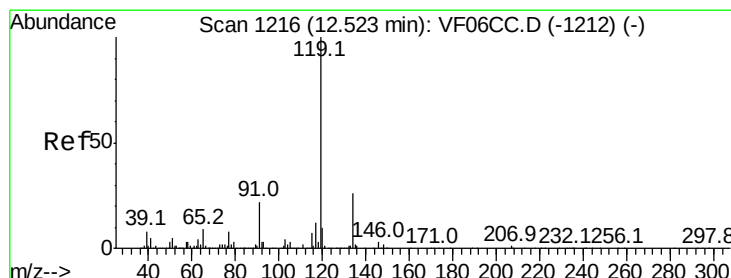
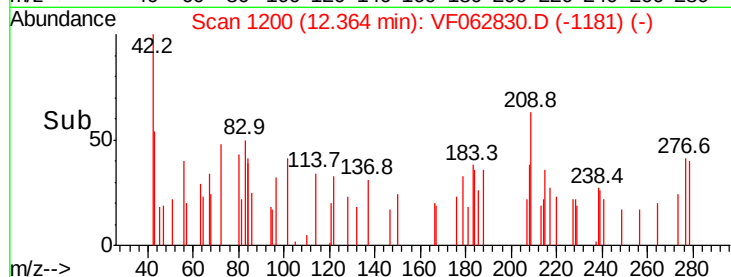
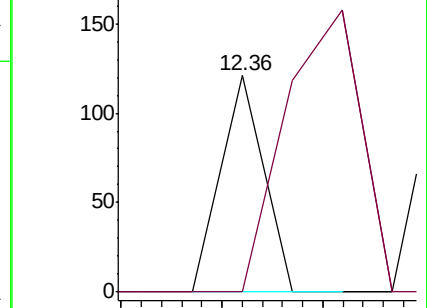
105 100

134 0.0 10.5 31.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 16.040 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

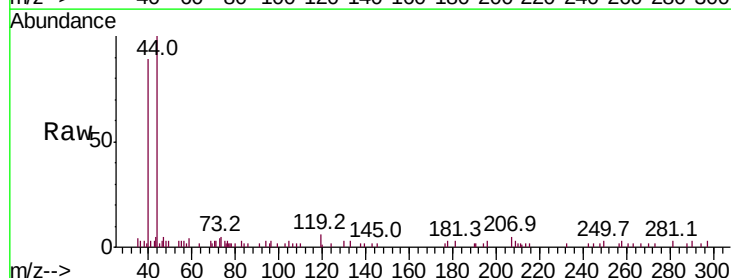
Tgt Ion:119 Resp: 374

Ion Ratio Lower Upper

119 100

134 0.0 15.5 46.5#

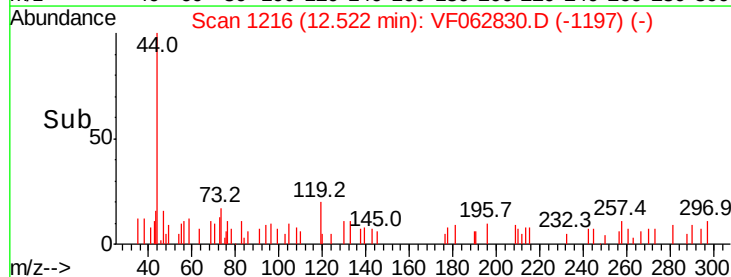
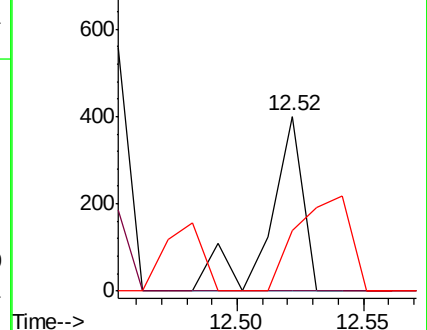
91 34.5 10.3 30.9#

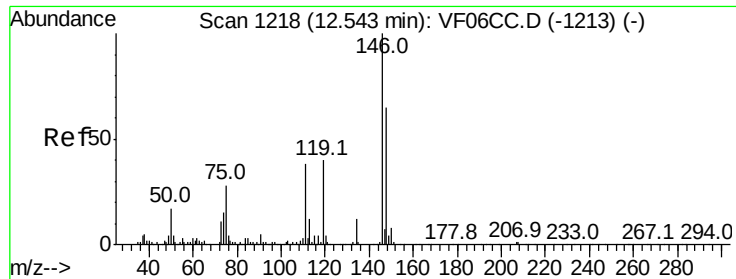


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 5.419 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

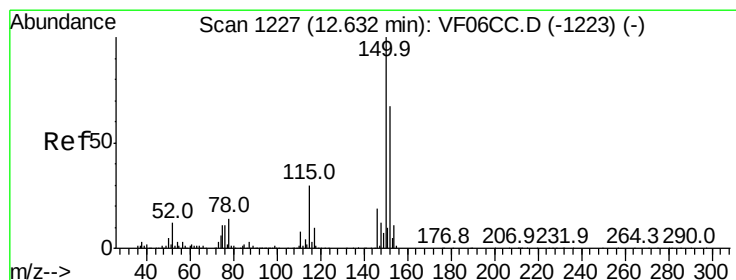
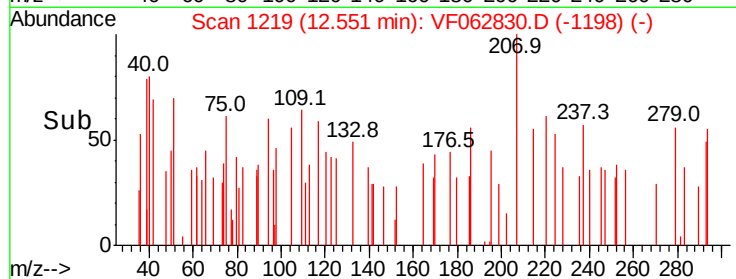
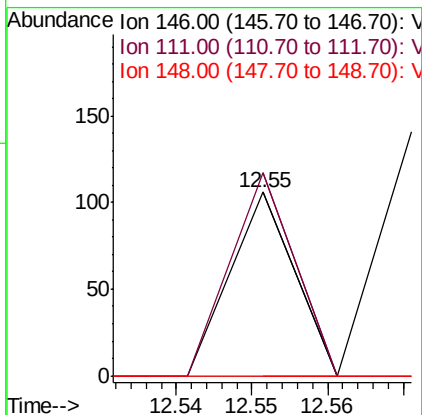
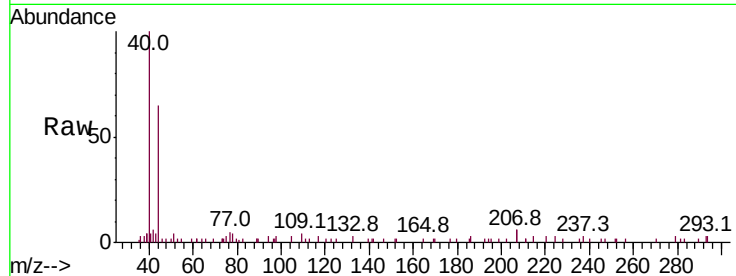
Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :
MSVOA_F
ClientSampleId :
0431-HR-11(HACKENSACK)

Tot Ion:146 Resp: 63

Ion	Ratio	Lower	Upper
146	100		
111	110.4	19.6	58.8#
148	0.0	34.2	102.5#



#88

1,4-Dichlorobenzene

Concen: 19.816 ug/l

RT: 12.62 min Scan# 1226

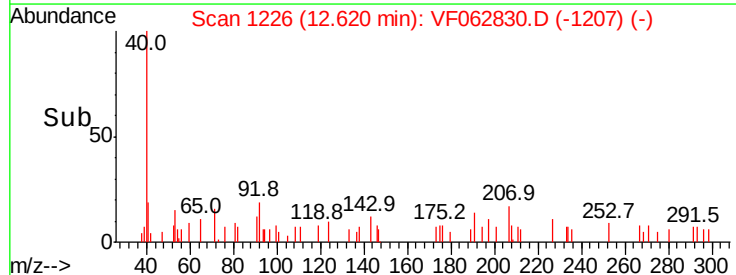
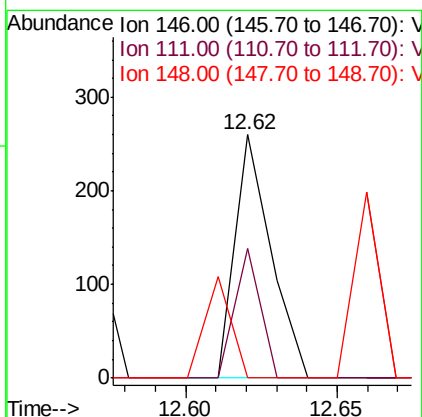
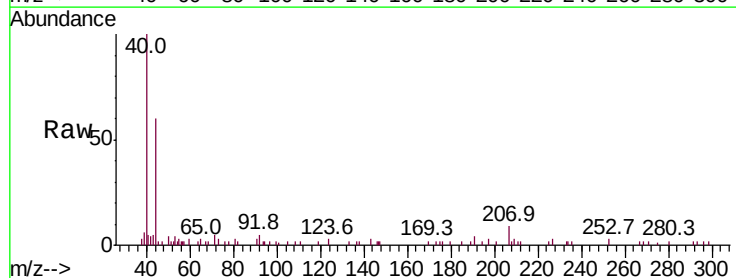
Delta R.T. -0.01 min

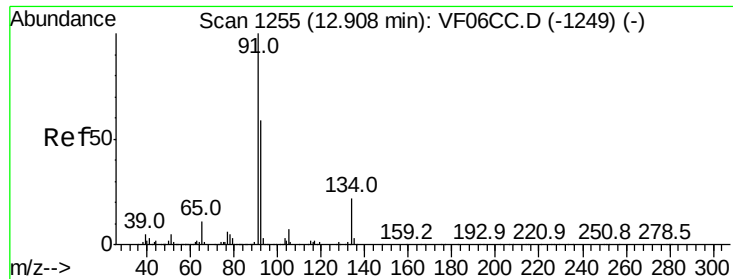
Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Tgt Ion:146 Resp: 215

Ion	Ratio	Lower	Upper
146	100		
111	53.5	20.3	60.9
148	0.0	34.0	101.8#





#89

n-Butylbenzene

Concen: 10.531 ug/l

RT: 12.92 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

0431-HR-11(HACKENSACK)

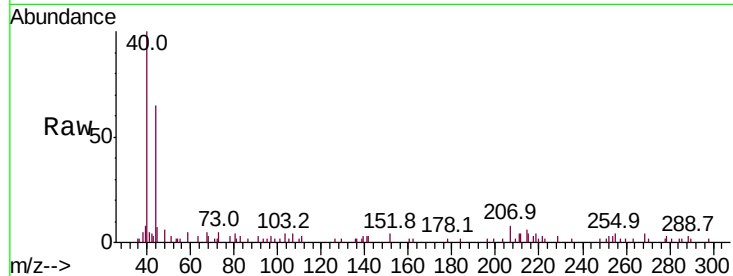
Tot Ion: 91 Resp: 247

Ion Ratio Lower Upper

91 100

92 0.0 34.2 102.6#

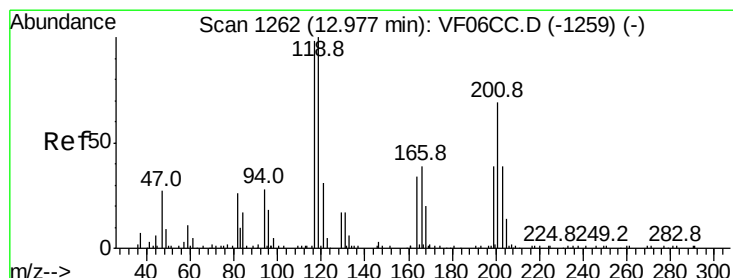
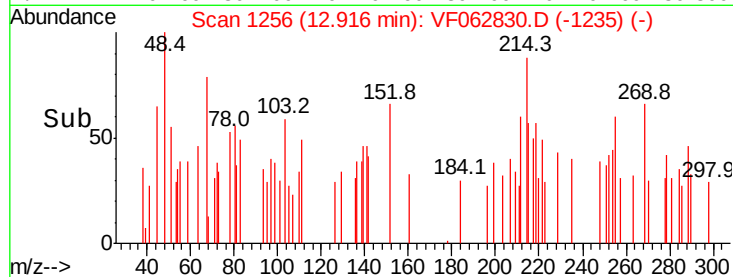
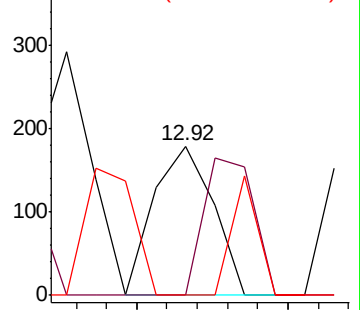
134 0.0 15.8 47.3#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 35.168 ug/l

RT: 13.06 min Scan# 1271

Delta R.T. 0.08 min

Lab File: VF062830.D

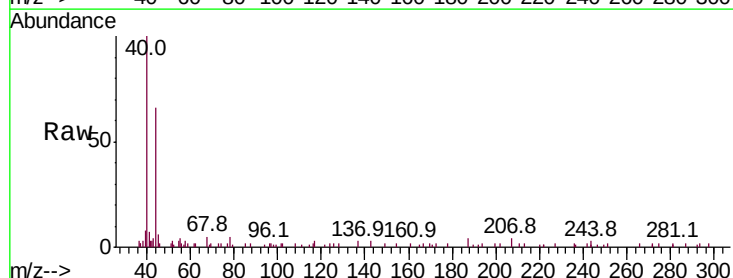
Acq: 3 Jun 2019 15:52

Tgt Ion: 117 Resp: 200

Ion Ratio Lower Upper

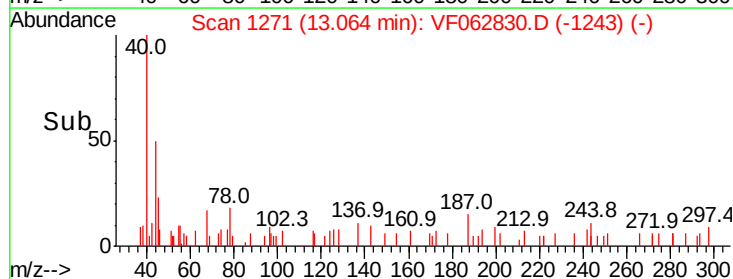
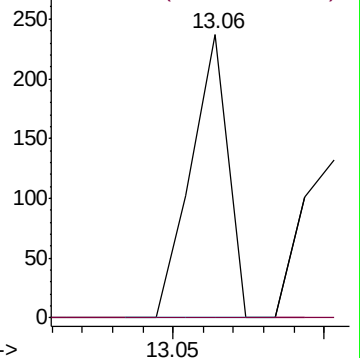
117 100

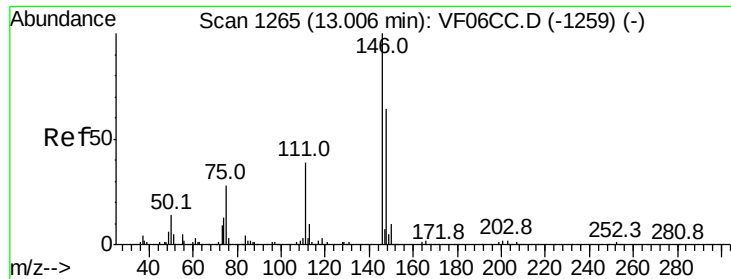
201 0.0 38.9 116.7#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

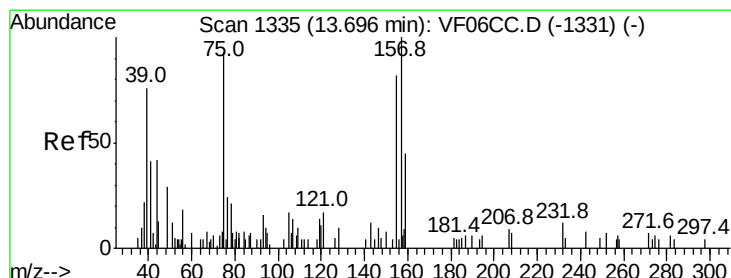
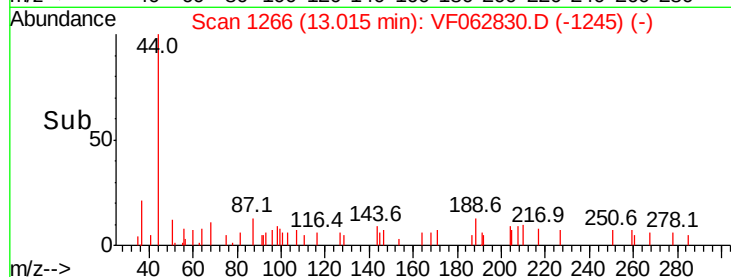
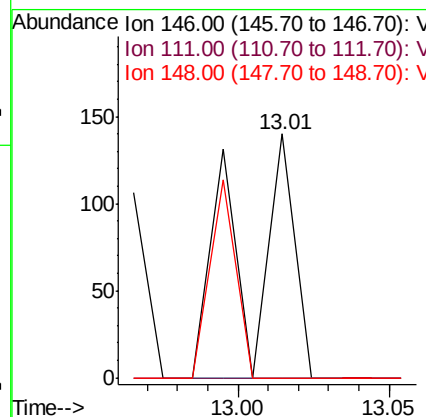
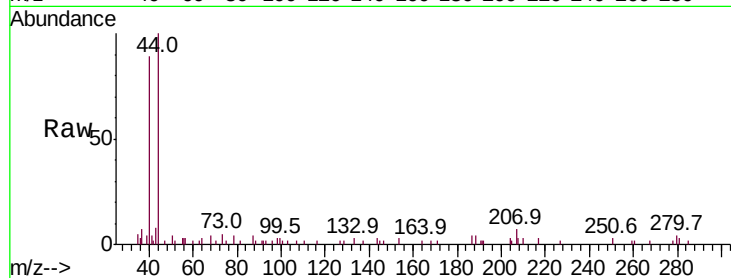




#91
 1,2-Dichlorobenzene
 Concen: 15.658 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VF062830.D
 Acq: 3 Jun 2019 15:52

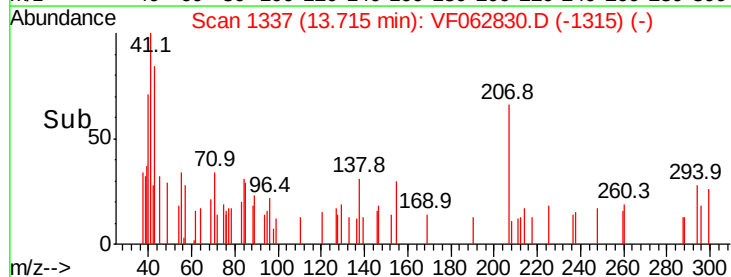
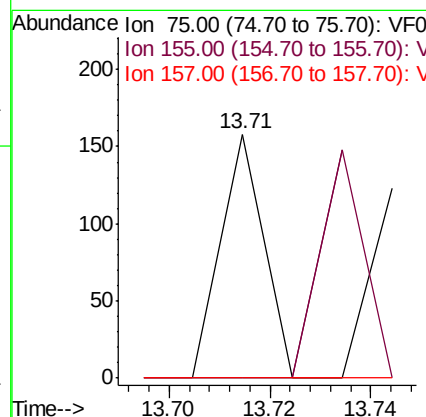
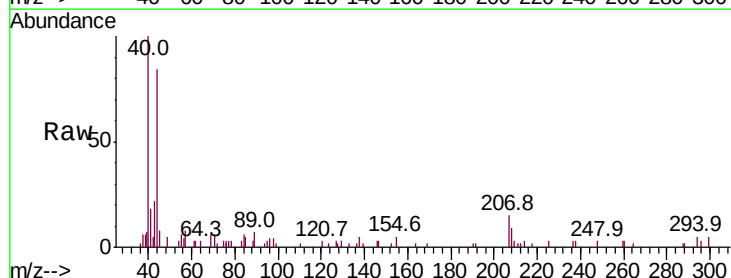
Instrument :
 MSVOA_F
 ClientSampleId :
 0431-HR-11(HACKENSACK)

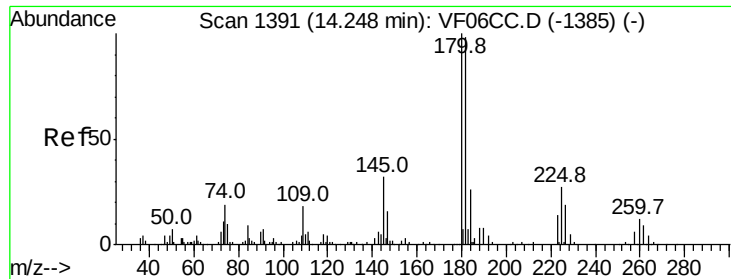
Tot Ion:146 Resp: 160
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.4 61.3#
 148 0.0 34.1 102.3#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 152.360 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.02 min
 Lab File: VF062830.D
 Acq: 3 Jun 2019 15:52

Tgt Ion: 75 Resp: 93
 Ion Ratio Lower Upper
 75 100
 155 0.0 51.7 155.1#
 157 0.0 66.8 200.6#





#93

1,2,4-Trichlorobenzene

Concen: 9.122 ug/l

RT: 14.25 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

0431-HR-11(HACKENSACK)

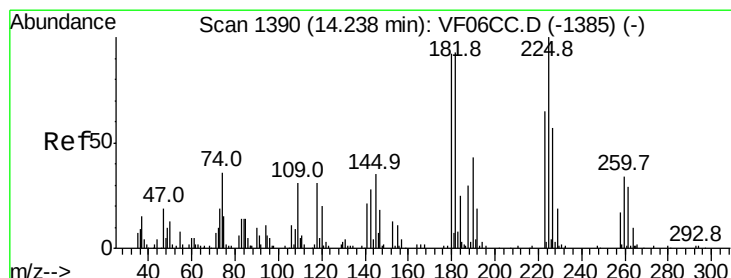
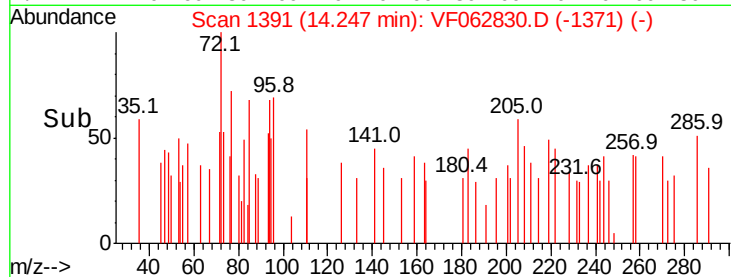
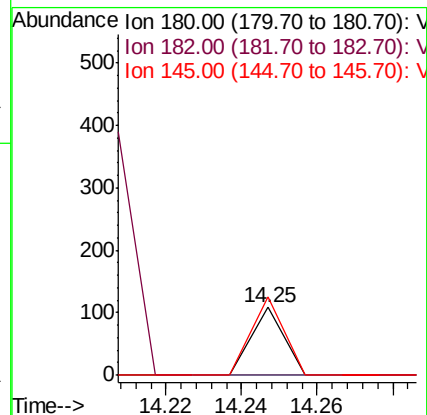
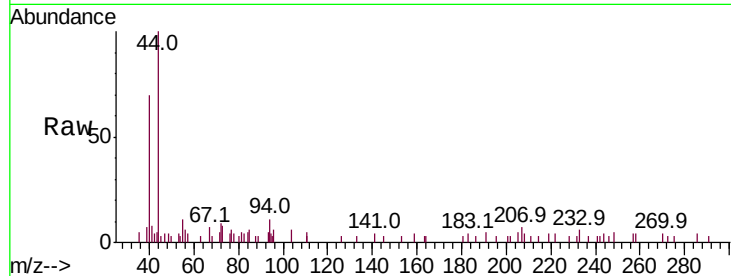
Tot Ion:180 Resp: 64

Ion Ratio Lower Upper

180 100

182 0.0 50.3 150.9#

145 115.6 15.4 46.2#



#94

Hexachlorobutadiene

Concen: 29.462 ug/l

RT: 14.22 min Scan# 1388

Delta R.T. -0.02 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

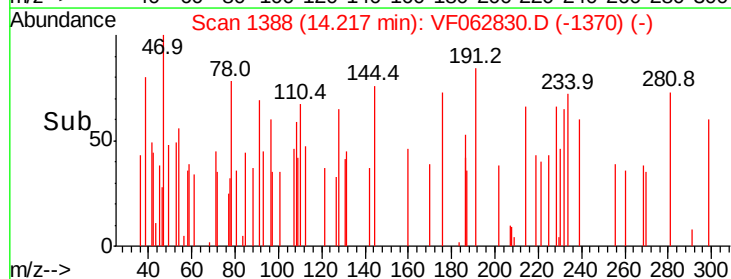
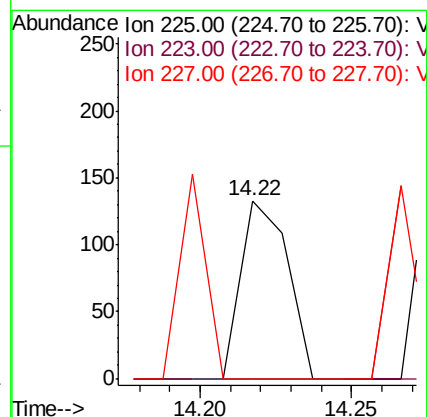
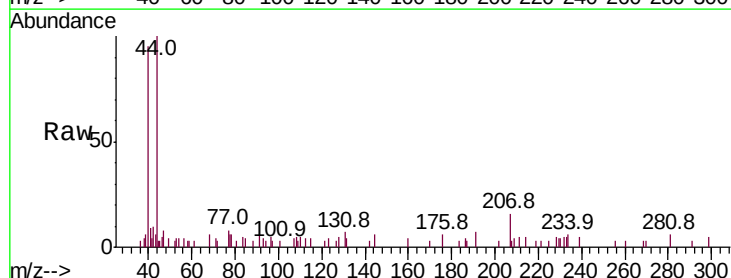
Tgt Ion:225 Resp: 143

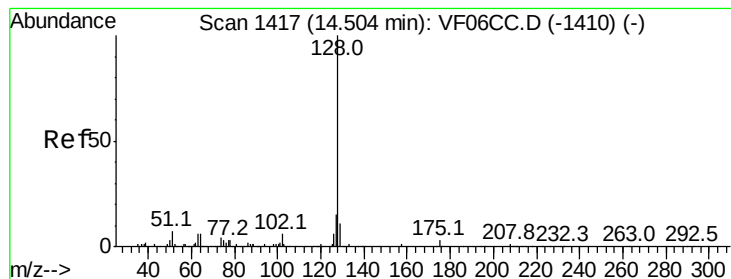
Ion Ratio Lower Upper

225 100

223 0.0 30.8 92.4#

227 0.0 31.9 95.5#





#95

Naphthalene

Concen: 11.658 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Instrument :

MSVOA_F

ClientSampleId :

0431-HR-11(HACKENSACK)

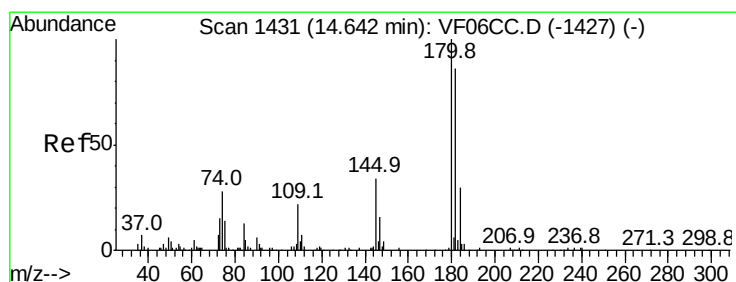
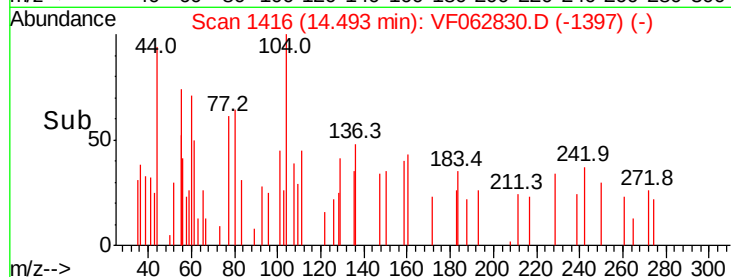
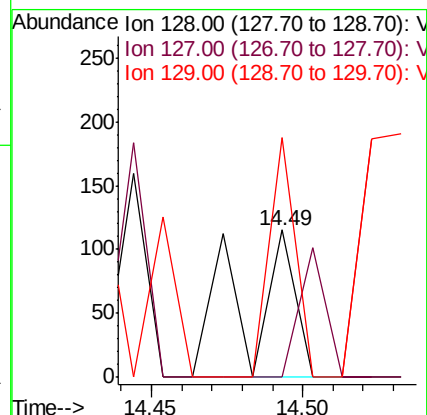
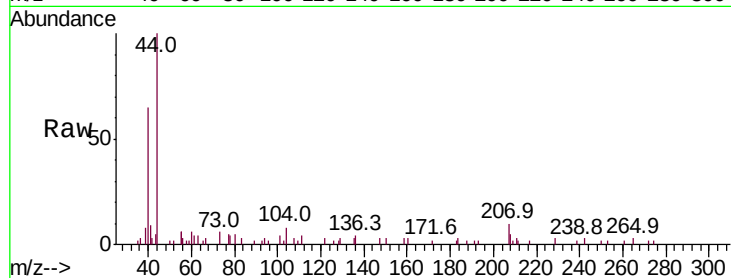
Tot Ion:128 Resp: 134

Ion Ratio Lower Upper

128 100

127 0.0 9.7 14.5#

129 163.5 9.4 14.2#



#96

1,2,3-Trichlorobenzene

Concen: 25.763 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. 0.02 min

Lab File: VF062830.D

Acq: 3 Jun 2019 15:52

Tgt Ion:180 Resp: 165

Ion Ratio Lower Upper

180 100

182 0.0 48.6 145.9#

145 0.0 15.7 47.0#

