

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060319\
 Data File : VF062831.D
 Acq On : 3 Jun 2019 16:20
 Operator : FY/SY
 Sample : K3097-12
 Misc : 5.03g/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 0432-HR-12(HACKENSACK)

Quant Time: Jun 04 08:53:14 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	5.05	168	242	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.86	114	190	50.00	ug/l	0.06
63) Chlorobenzene-d5	9.98	117	64	50.00	ug/l	0.05
72) 1,4-Dichlorobenzene-d4	12.62	152	150	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	914	546.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	1092.36%	
35) Dibromofluoromethane	4.34	113	289	201.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	402.58%	
50) Toluene-d8	7.67	98	138	38.01	ug/l	-0.06
Spiked Amount				50.000		
			Recovery	=	76.02%	
62) 4-Bromofluorobenzene	11.63	95	62	47.47	ug/l	0.12
Spiked Amount				50.000		
			Recovery	=	94.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	124	44.841	ug/l #	65
3) Chloromethane	1.12	50	821	327.876	ug/l	89
4) Vinyl Chloride	1.20	62	364	146.285	ug/l #	1
5) Bromomethane	1.42	94	243	171.238	ug/l	95
6) Chloroethane	1.51	64	364	391.251	ug/l	94
7) Trichlorofluoromethane	1.46	101	165	46.840	ug/l	98
8) Diethyl Ether	1.58	74	127	183.248	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	1.89	101	90	40.638	ug/l #	19
10) Methyl Iodide	1.99	142	139	31.302	ug/l #	1
11) Tert butyl alcohol	2.69	59	296	2919.831	ug/l #	70
12) 1,1-Dichloroethene	1.88	96	283	140.724	ug/l #	25
13) Acrolein	2.11	56	746	19035.116	ug/l #	50
14) Allyl chloride	2.18	41	1684	1079.384	ug/l #	56
15) Acrylonitrile	3.09	53	379	994.940	ug/l #	65
16) Acetone	2.34	43	363	947.746	ug/l #	69
17) Carbon Disulfide	1.91	76	160	27.221	ug/l #	1
18) Methyl Acetate	2.50	43	420	627.508	ug/l	91
19) Methyl tert-butyl Ether	2.60	73	774	212.436	ug/l #	4
20) Methylene Chloride	2.37	84	119	62.809	ug/l #	20
21) trans-1,2-Dichloroethene	2.41	96	334	165.645	ug/l #	24
22) Diisopropyl ether	2.92	45	569	128.369	ug/l #	72
23) Vinyl Acetate	3.36	43	379	124.895	ug/l #	51
24) 1,1-Dichloroethane	3.01	63	226	68.288	ug/l #	38
25) 2-Butanone	4.50	43	1389	1557.257	ug/l #	84
26) 2,2-Dichloropropane	3.79	77	292	155.390	ug/l #	50
27) cis-1,2-Dichloroethene	3.68	96	521	153.715	ug/l	5
28) Bromochloromethane	3.89	49	61	33.885	ug/l #	3
29) Tetrahydrofuran	4.28	42	1379	4042.245	ug/l #	57
30) Chloroform	4.07	83	147	31.516	ug/l	88
31) Cyclohexane	3.90	56	306	68.294	ug/l #	23
32) 1,1,1-Trichloroethane	4.15	97	287	105.682	ug/l	88
36) 1,1-Dichloropropene	4.60	75	234	133.781	ug/l	80
37) Ethyl Acetate	4.39	43	206	308.094	ug/l #	84
38) Carbon Tetrachloride	4.23	117	169	142.963	ug/l #	52

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.71	83	109	50.070	ug/l #	18
40) Benzene	4.88	78	1084	212.942	ug/l	94
41) Methacrylonitrile	4.97	41	387	1041.150	ug/l	97
42) 1,2-Dichloroethane	5.15	62	339	350.137	ug/l	69
43) Isopropyl Acetate	7.18	43	856	969.133	ug/l #	38
44) Trichloroethene	5.72	130	288	200.462	ug/l	78
45) 1,2-Dichloropropane	6.51	63	62	48.534	ug/l #	44
46) Dibromomethane	6.35	93	178	238.658	ug/l #	10
47) Bromodichloromethane	6.60	83	366	240.956	ug/l #	56
48) Methyl methacrylate	6.96	41	697	1531.184	ug/l #	43
49) 1,4-Dioxane	6.96	88	129	21499.676	ug/l #	1
51) 4-Methyl-2-Pentanone	8.55	43	1082	1715.832	ug/l #	56
52) Toluene	7.84	92	141	51.425	ug/l	84
53) t-1,3-Dichloropropene	8.38	75	431	342.424	ug/l	100
54) cis-1,3-Dichloropropene	7.58	75	246	135.020	ug/l #	13
55) 1,1,2-Trichloroethane	8.70	97	198	241.722	ug/l #	51
56) Ethyl methacrylate	8.86	69	177	201.389	ug/l #	1
57) 1,3-Dichloropropane	9.15	76	447	334.171	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.54	63	127	413.459	ug/l #	1
59) 2-Hexanone	9.74	43	1559	3468.531	ug/l	91
60) Dibromochloromethane	9.04	129	128	126.217	ug/l	73
61) 1,2-Dibromoethane	9.25	107	102	119.900	ug/l #	1
64) Tetrachloroethene	8.34	164	140	284.668	ug/l #	1
65) Chlorobenzene	9.95	112	83	67.155	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.11	131	148	300.677	ug/l #	12
67) Ethyl Benzene	10.10	91	342	161.251	ug/l	100
68) m/p-Xylenes	10.23	106	207	255.051	ug/l #	34
69) o-Xylene	10.89	106	208	253.128	ug/l	45
70) Styrene	10.95	104	61	50.365	ug/l #	1
71) Bromoform	10.88	173	85	359.974	ug/l #	28
73) Isopropylbenzene	11.21	105	532	50.830	ug/l #	44
74) N-amyl acetate	11.42	43	1203	407.813	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	11.78	83	166	74.269	ug/l #	65
76) 1,2,3-Trichloropropane	11.97	75	656	442.775	ug/l	89
77) Bromobenzene	11.56	156	191	72.630	ug/l	85
78) n-propylbenzene	11.83	91	564	44.629	ug/l	81
79) 2-Chlorotoluene	11.83	91	644	89.060	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.89	105	101	11.800	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.95	75	334	532.484	ug/l #	66
82) 4-Chlorotoluene	12.13	91	362	50.941	ug/l	80
83) tert-Butylbenzene	12.23	119	317	37.377	ug/l #	58
84) 1,2,4-Trimethylbenzene	12.26	105	65	8.010	ug/l #	24
85) sec-Butylbenzene	12.39	105	573	51.272	ug/l #	1
86) p-Isopropyltoluene	12.54	119	210	22.575	ug/l #	36
87) 1,3-Dichlorobenzene	12.53	146	72	15.524	ug/l #	26
88) 1,4-Dichlorobenzene	12.67	146	109	25.183	ug/l #	23
89) n-Butylbenzene	12.91	91	145	15.496	ug/l #	24
90) Hexachloroethane	13.01	117	215	94.766	ug/l	84
91) 1,2-Dichlorobenzene	13.06	146	65	15.945	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.71	75	758	3112.818	ug/l #	1

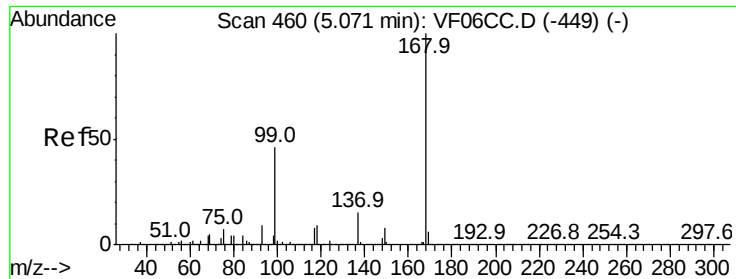
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.29	180	194	69.312	ug/l #	14
94) Hexachlorobutadiene	14.23	225	101	52.161	ug/l #	19
95) Naphthalene	14.55	128	70	15.265	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.65	180	162	63.406	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

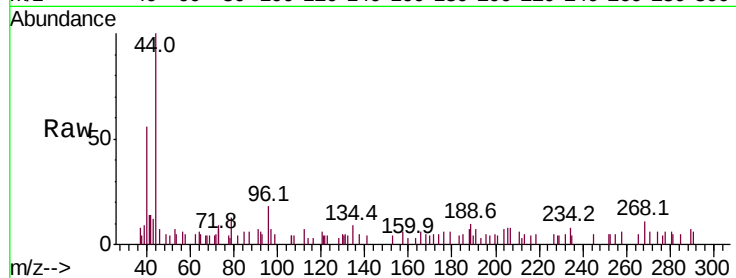
0432-HR-12(HACKENSACK)

Tot Ion:168 Resp: 242

Ion Ratio Lower Upper

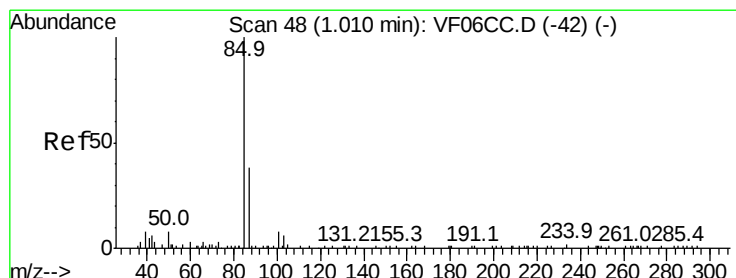
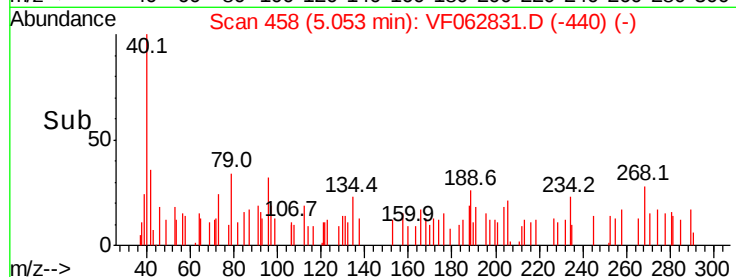
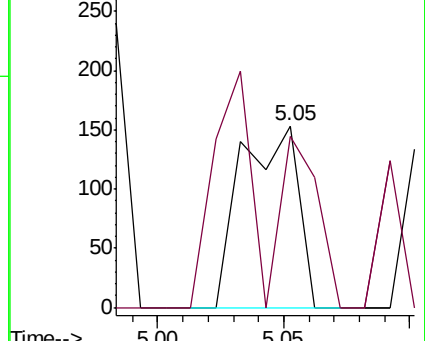
168 100

99 94.1 39.1 58.7#



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 44.841 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062831.D

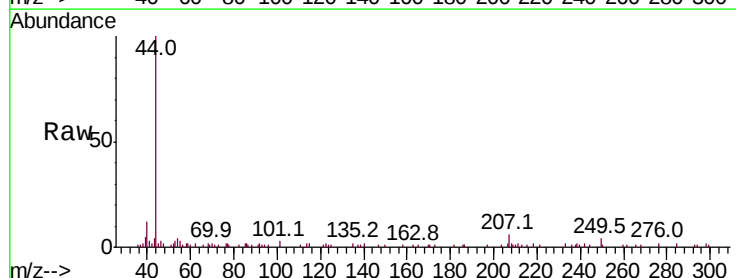
Acq: 3 Jun 2019 16:20

Tgt Ion: 85 Resp: 124

Ion Ratio Lower Upper

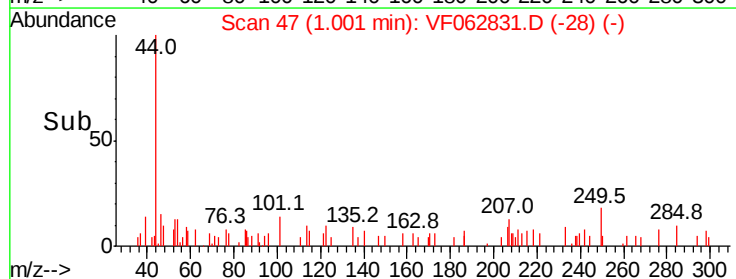
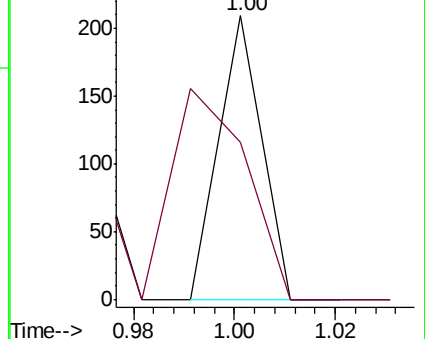
85 100

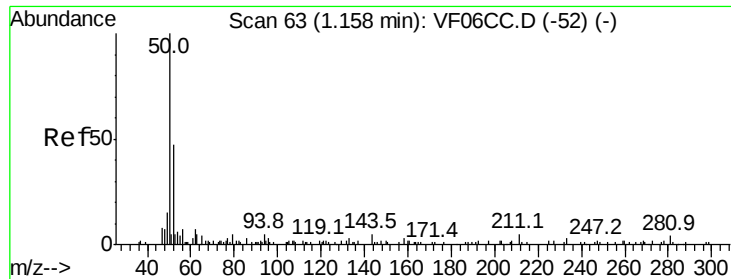
87 55.5 17.6 52.9#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 327.876 ug/l

RT: 1.12 min Scan# 59

Delta R.T. -0.03 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

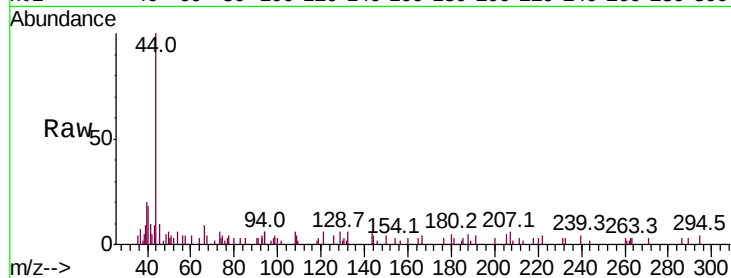
0432-HR-12(HACKENSACK)

Tot Ion: 50 Resp: 821

Ion Ratio Lower Upper

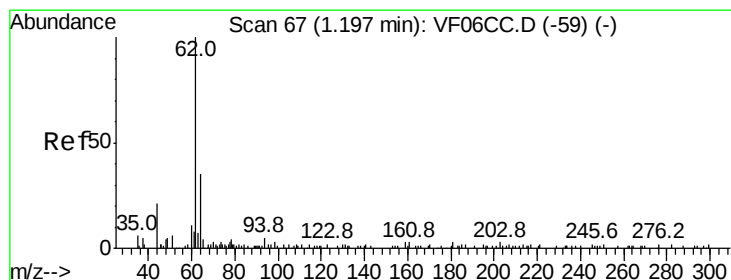
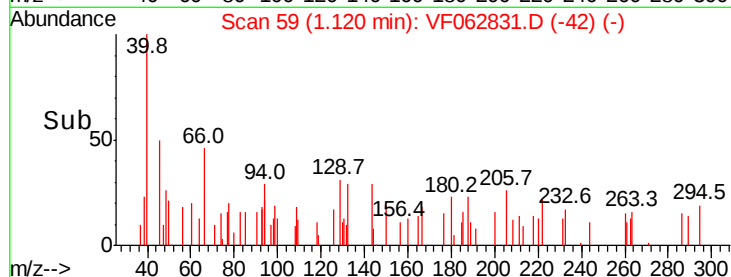
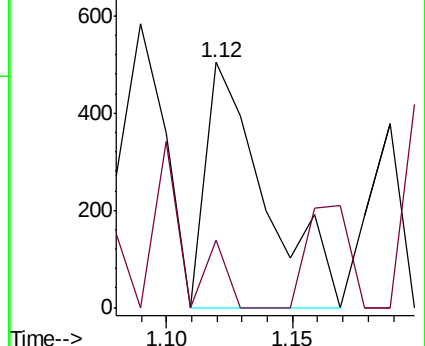
50 100

52 27.6 27.0 40.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 146.285 ug/l

RT: 1.20 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062831.D

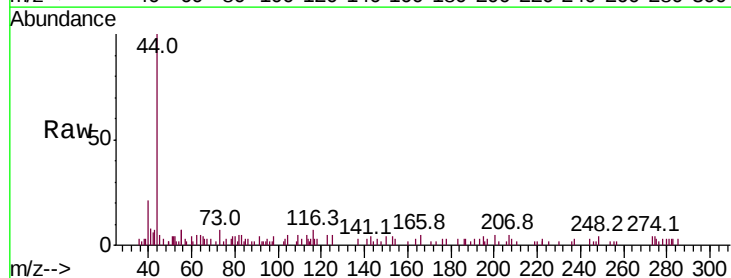
Acq: 3 Jun 2019 16:20

Tgt Ion: 62 Resp: 364

Ion Ratio Lower Upper

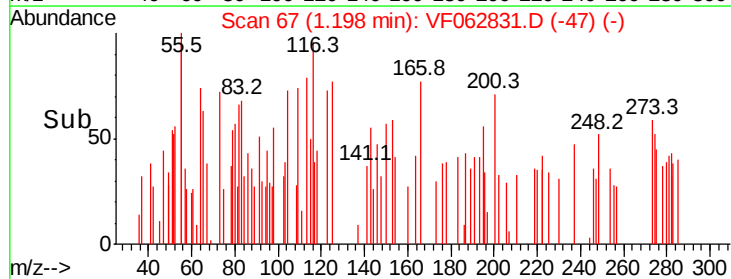
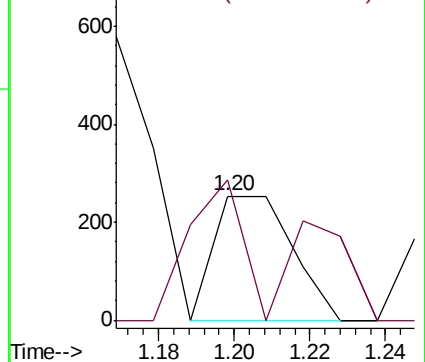
62 100

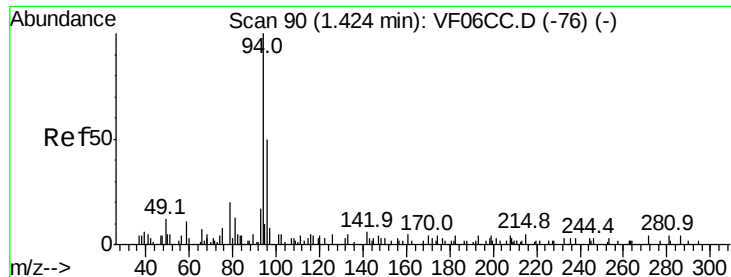
64 112.6 26.2 39.2#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 171.238 ug/l

RT: 1.42 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

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ClientSampleId :

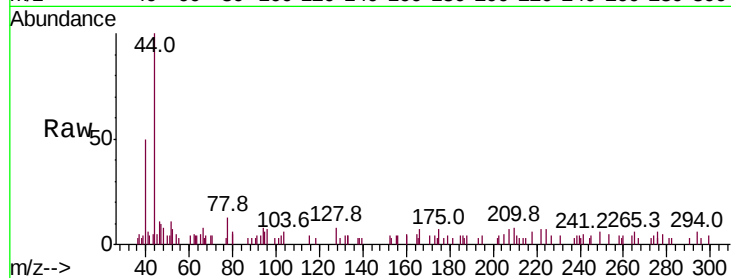
0432-HR-12(HACKENSACK)

Tot Ion: 94 Resp: 243

Ion Ratio Lower Upper

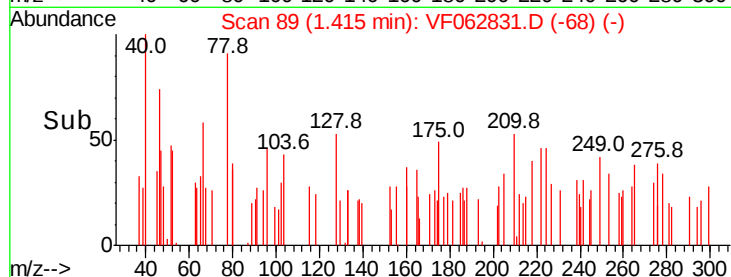
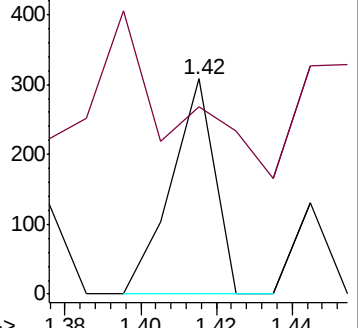
94 100

96 87.0 73.8 110.6



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 391.251 ug/l

RT: 1.51 min Scan# 99

Delta R.T. 0.05 min

Lab File: VF062831.D

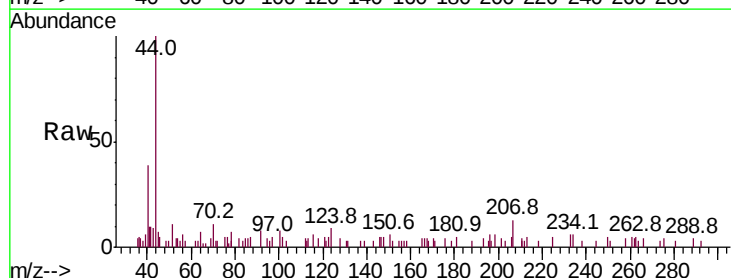
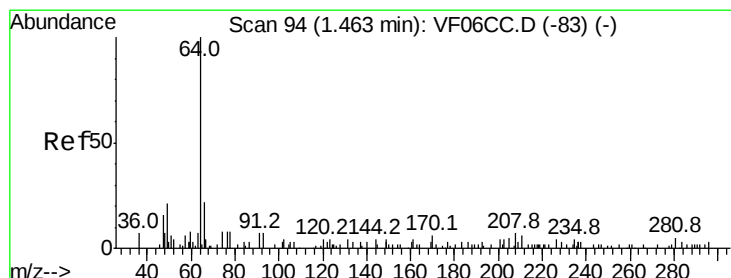
Acq: 3 Jun 2019 16:20

Tgt Ion: 64 Resp: 364

Ion Ratio Lower Upper

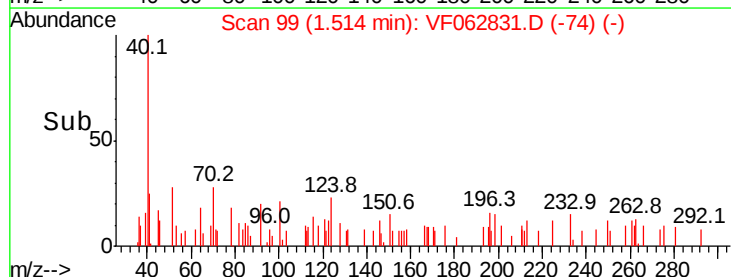
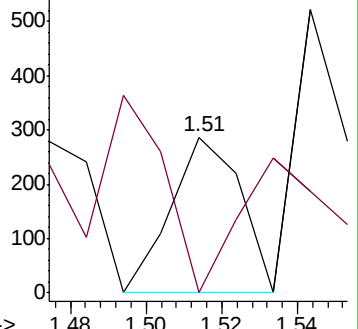
64 100

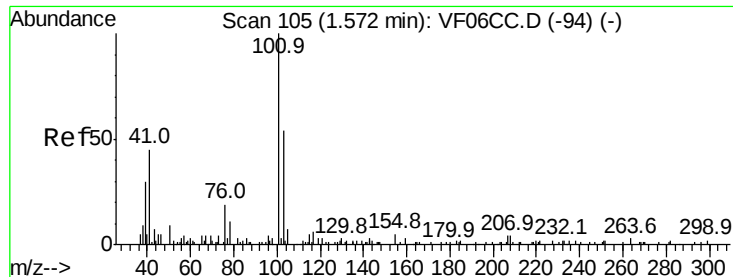
66 35.2 31.0 46.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



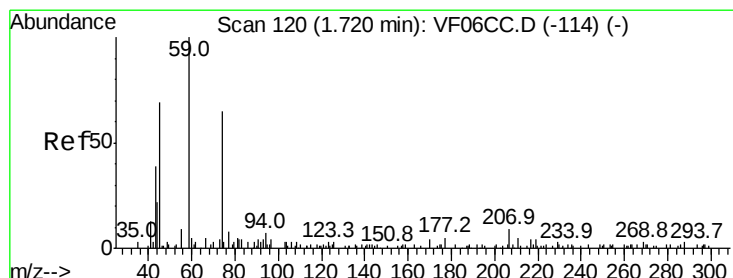
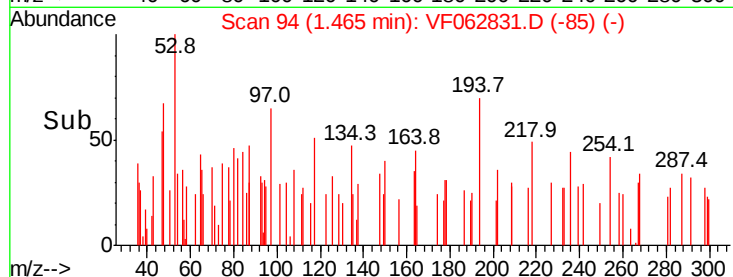
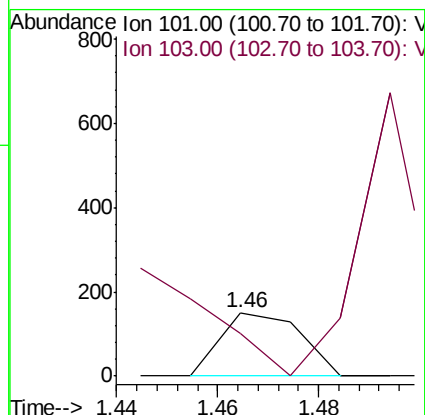
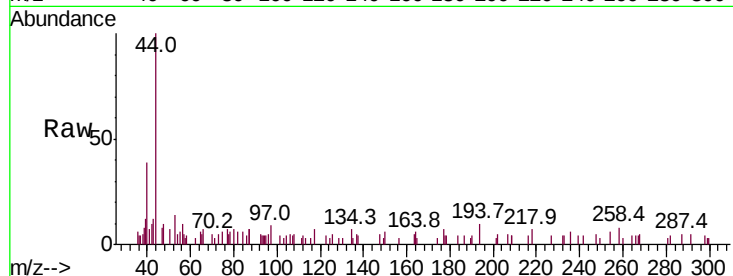


#7

Trichlorofluoromethane
Concen: 46.840 ug/l
RT: 1.46 min Scan# 94
Delta R.T. -0.11 min
Lab File: VF062831.D
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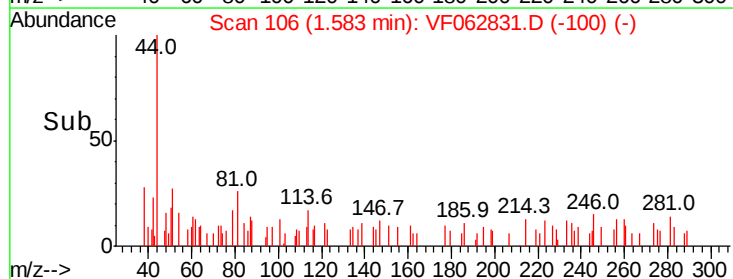
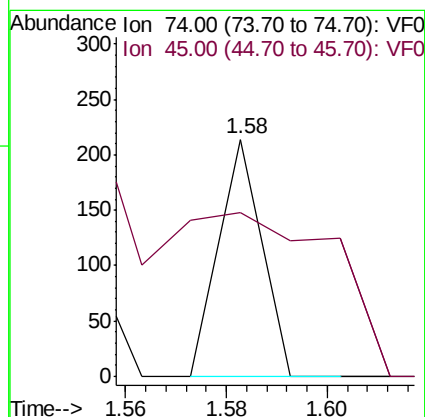
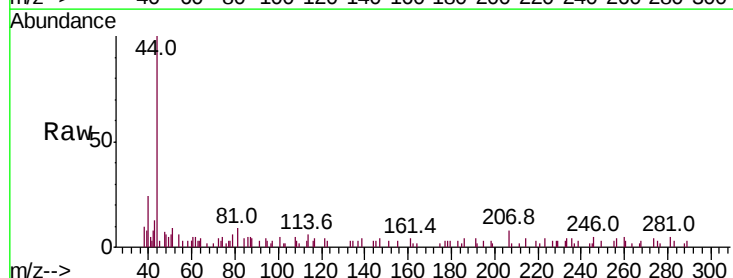
Tot Ion:101 Resp: 165
Ion Ratio Lower Upper
101 100
103 66.9 54.6 82.0

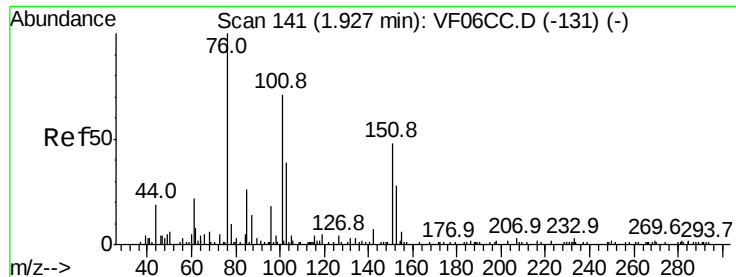


#8

Diethyl Ether
Concen: 183.248 ug/l
RT: 1.58 min Scan# 106
Delta R.T. -0.14 min
Lab File: VF062831.D
Acq: 3 Jun 2019 16:20

Tgt Ion: 74 Resp: 127
Ion Ratio Lower Upper
74 100
45 69.2 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.638 ug/l

RT: 1.89 min Scan# 137

Delta R.T. -0.05 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

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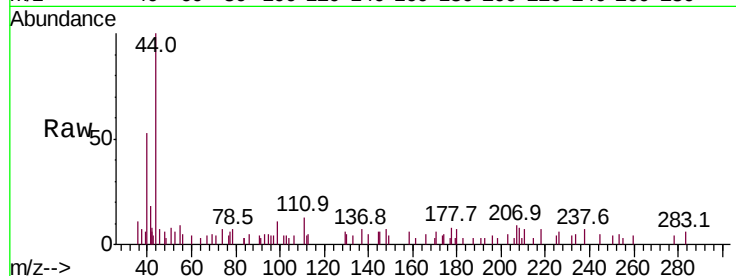
Tot Ion:101 Resp: 90

Ion Ratio Lower Upper

101 100

85 0.0 37.1 55.7#

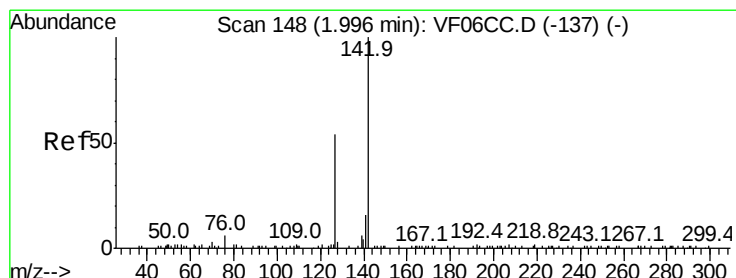
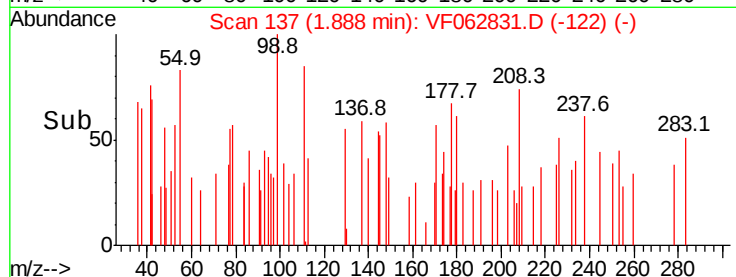
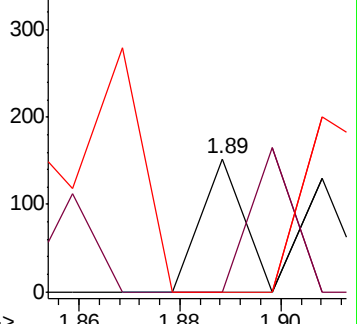
151 0.0 60.3 90.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 31.302 ug/l

RT: 1.99 min Scan# 147

Delta R.T. -0.03 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

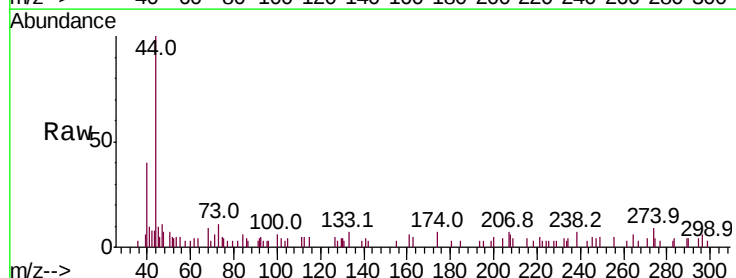
Tgt Ion:142 Resp: 139

Ion Ratio Lower Upper

142 100

127 149.6 39.4 59.2#

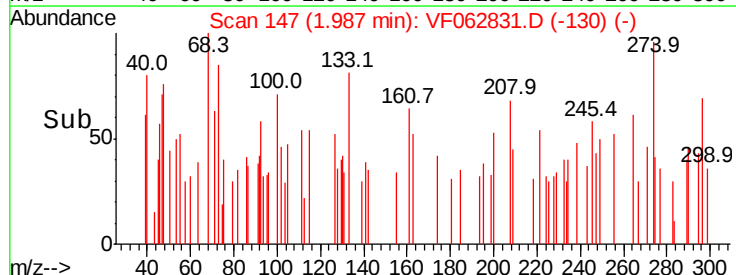
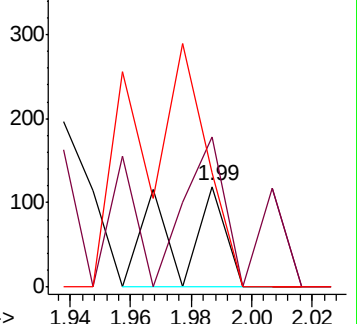
141 113.4 10.6 15.8#

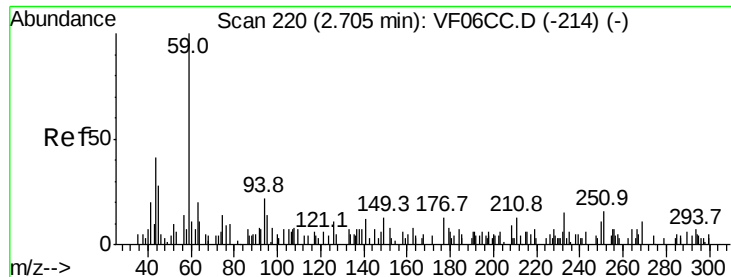


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



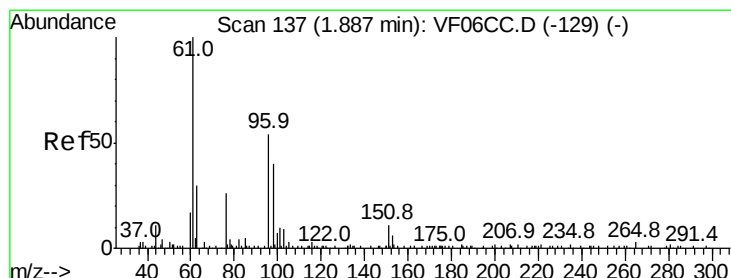
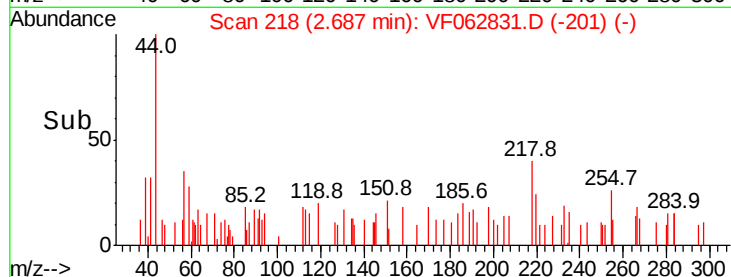
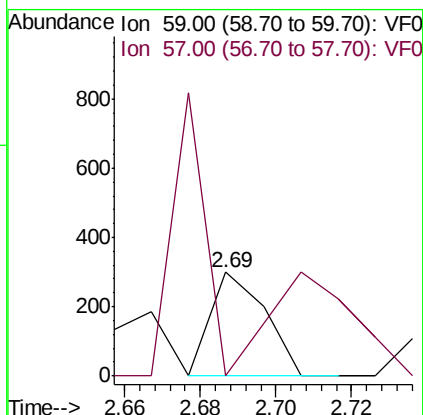
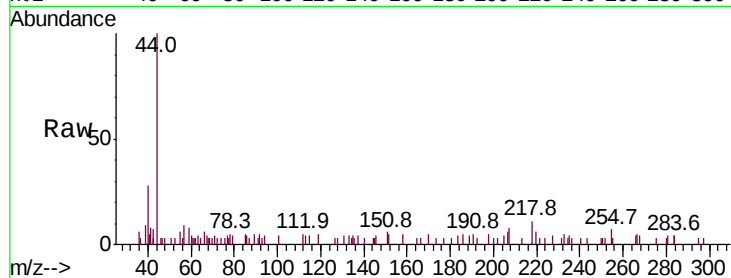


#11

Tert butyl alcohol
Concen: 2919.831 ug/l
RT: 2.69 min Scan# 218
Delta R.T. -0.03 min
Lab File: VF062831.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_F
ClientSampleId :
0432-HR-12(HACKENSACK)

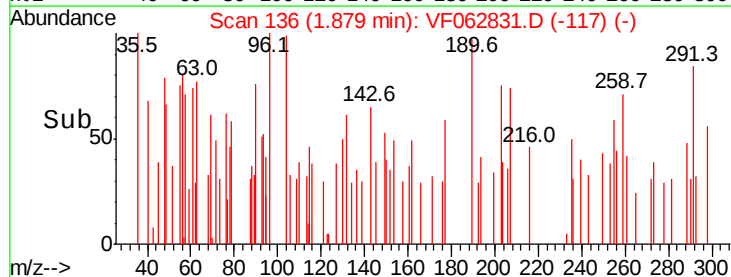
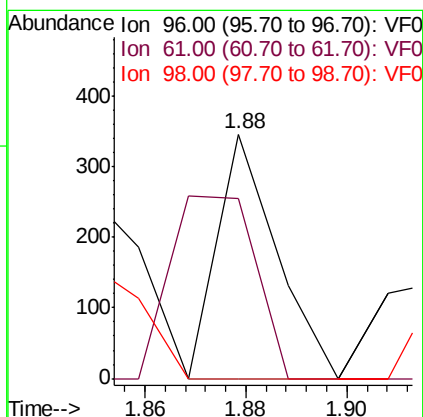
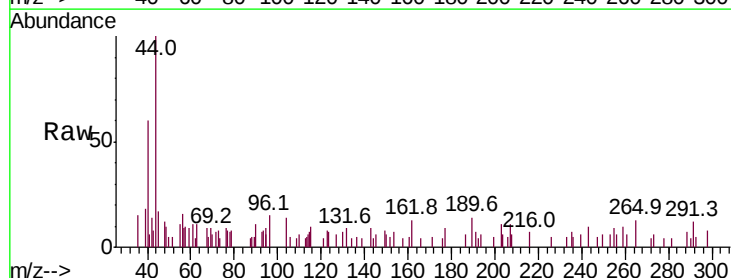
Tot Ion: 59 Resp: 296
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#

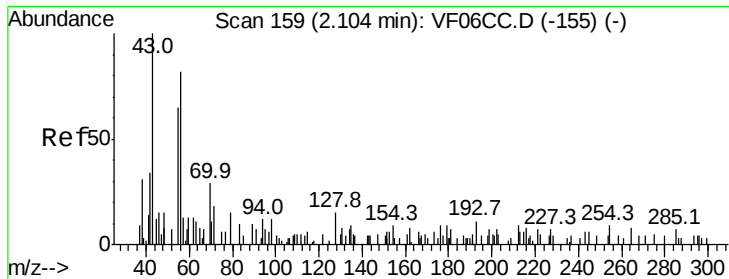


#12

1,1-Dichloroethene
Concen: 140.724 ug/l
RT: 1.88 min Scan# 136
Delta R.T. -0.01 min
Lab File: VF062831.D
Acq: 3 Jun 2019 16:20

Tgt Ion: 96 Resp: 283
Ion Ratio Lower Upper
96 100
61 74.0 139.4 209.2#
98 0.0 50.3 75.5#





#13

Acrolein

Concen: 19035.116 ug/l

RT: 2.11 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

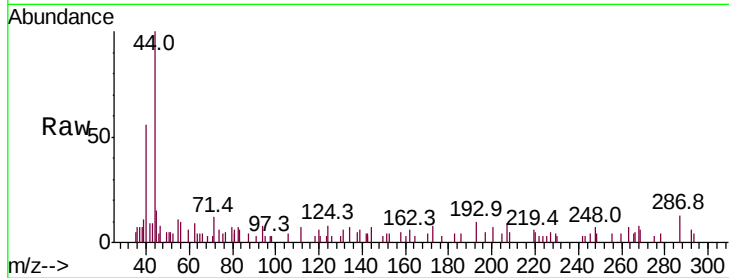
0432-HR-12(HACKENSACK)

Tot Ion: 56 Resp: 746

Ion Ratio Lower Upper

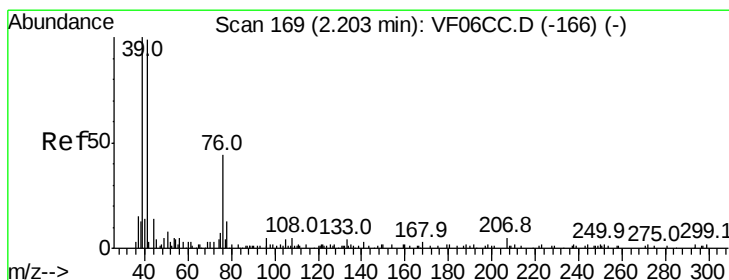
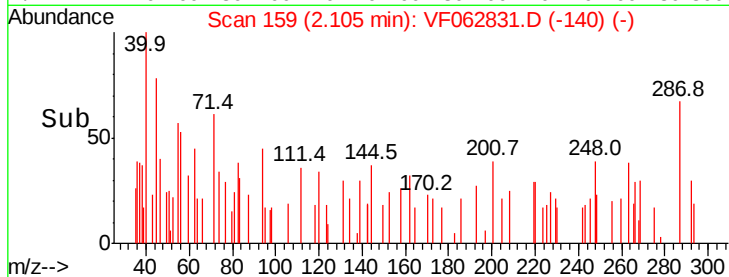
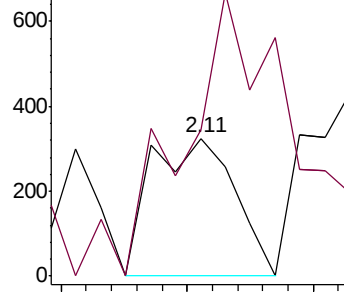
56 100

55 106.2 52.9 79.3#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 1079.384 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.03 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

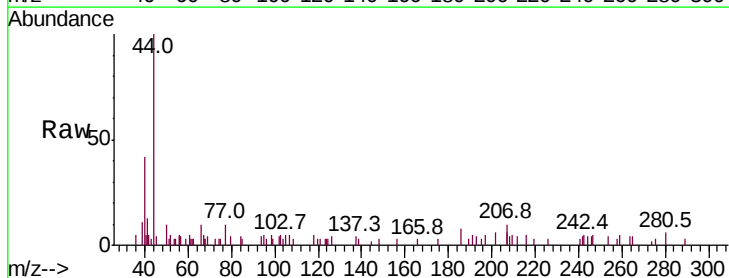
Tgt Ion: 41 Resp: 1684

Ion Ratio Lower Upper

41 100

39 62.9 71.9 107.9#

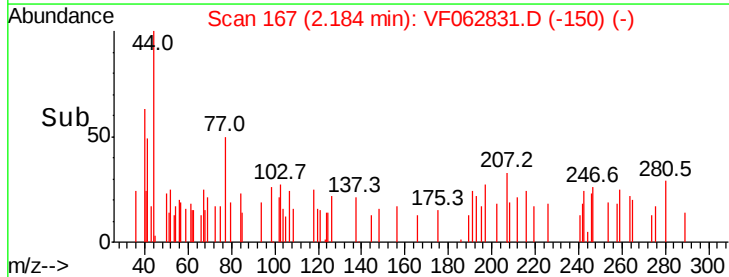
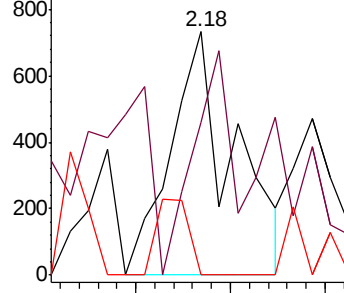
76 0.0 39.6 59.4#

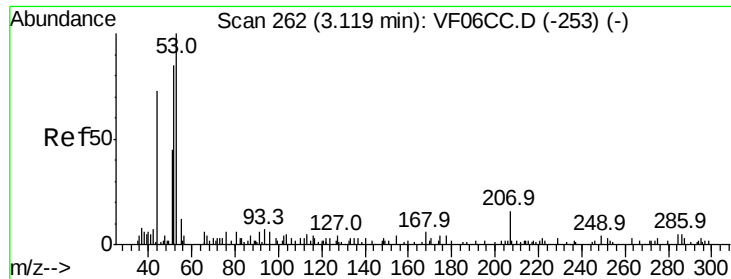


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 994.940 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

0432-HR-12(HACKENSACK)

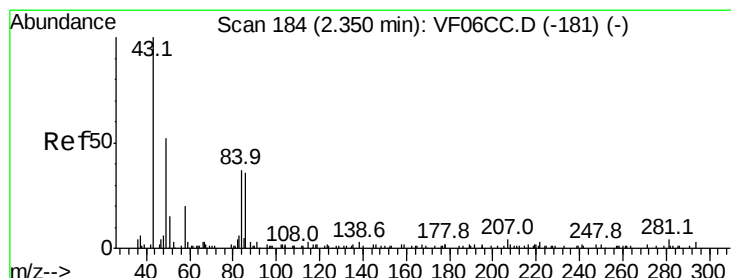
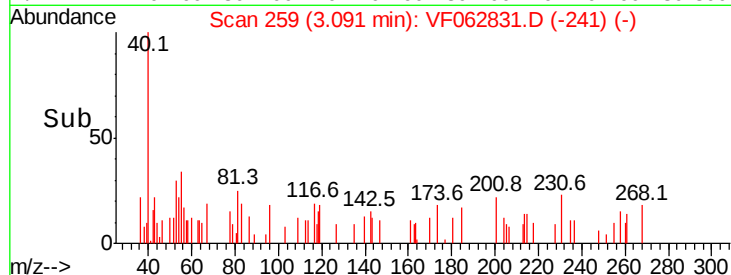
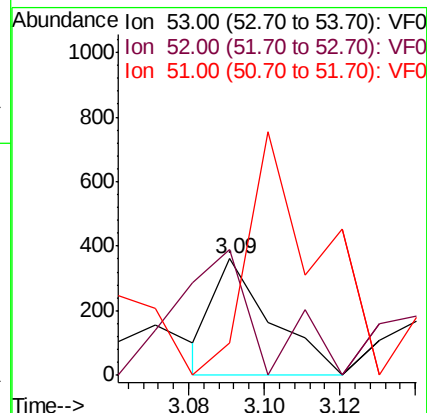
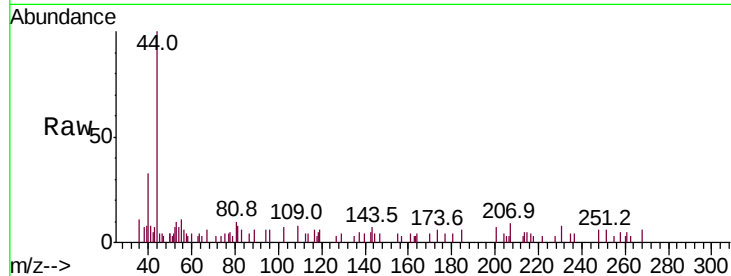
Tot Ion: 53 Resp: 379

Ion Ratio Lower Upper

53 100

52 107.5 68.1 102.1#

51 69.0 27.7 41.5#



#16

Acetone

Concen: 947.746 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.02 min

Lab File: VF062831.D

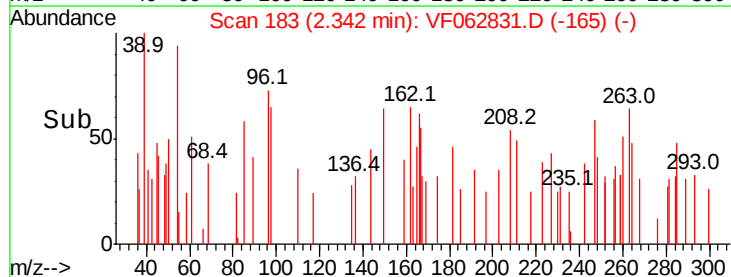
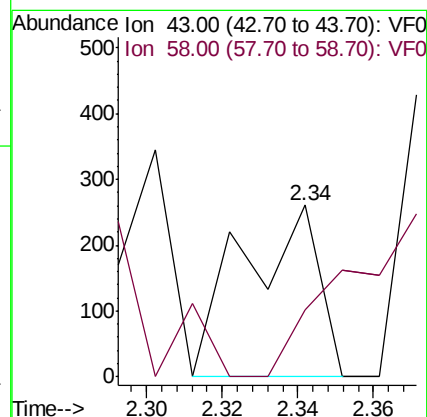
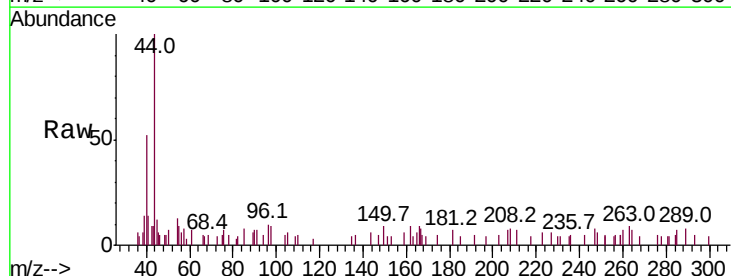
Acq: 3 Jun 2019 16:20

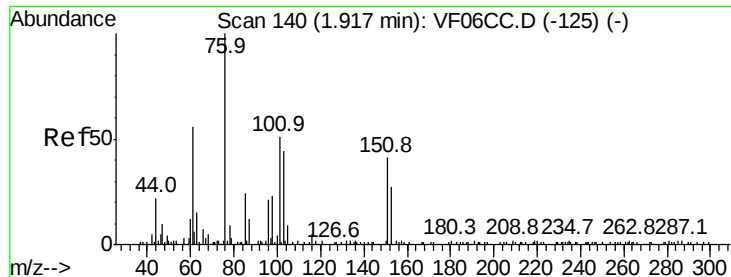
Tgt Ion: 43 Resp: 363

Ion Ratio Lower Upper

43 100

58 39.1 19.0 28.4#





#17

Carbon Disulfide

Concen: 27.221 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

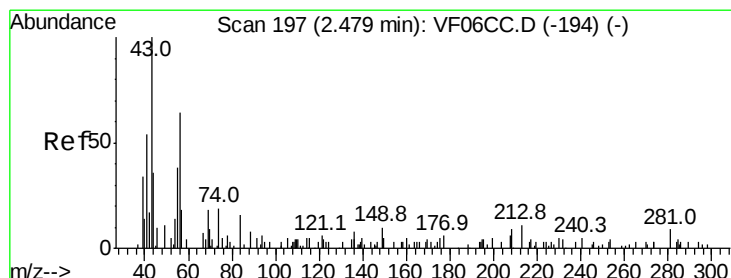
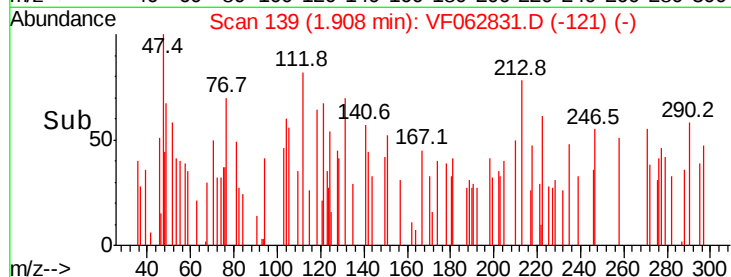
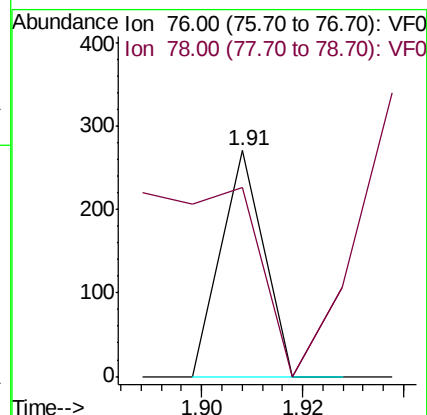
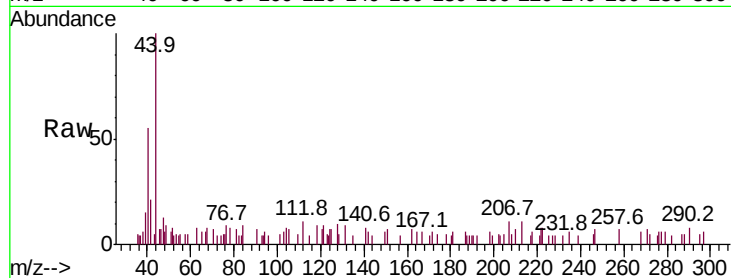
0432-HR-12(HACKENSACK)

Tot Ion: 76 Resp: 160

Ion Ratio Lower Upper

76 100

78 83.4 9.4 14.2#



#18

Methyl Acetate

Concen: 627.508 ug/l

RT: 2.50 min Scan# 199

Delta R.T. 0.02 min

Lab File: VF062831.D

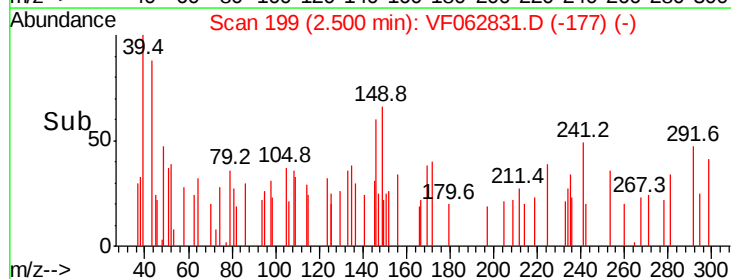
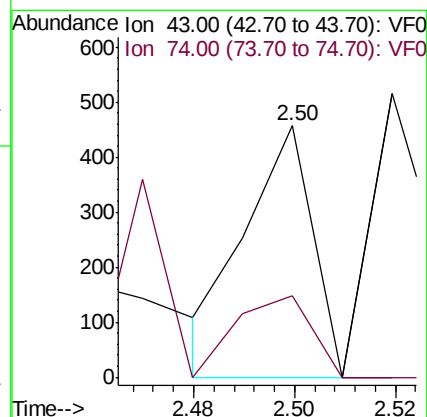
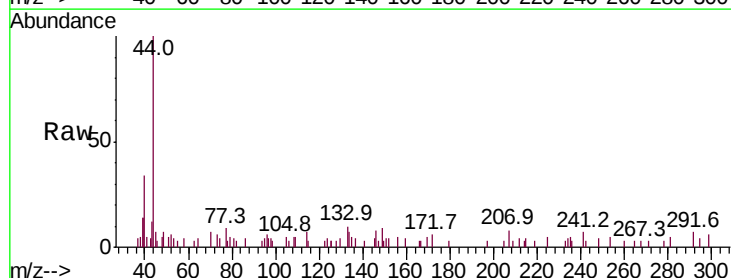
Acq: 3 Jun 2019 16:20

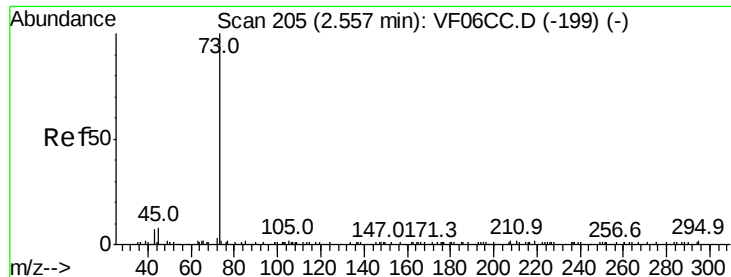
Tgt Ion: 43 Resp: 420

Ion Ratio Lower Upper

43 100

74 32.4 22.1 33.1



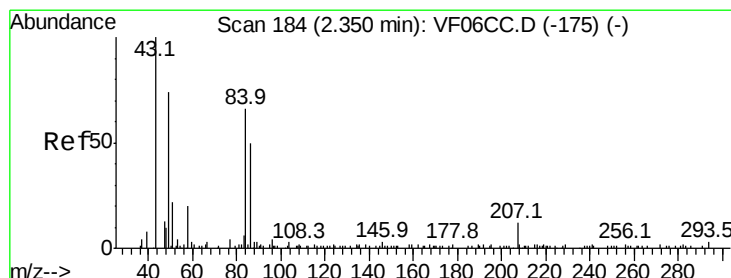
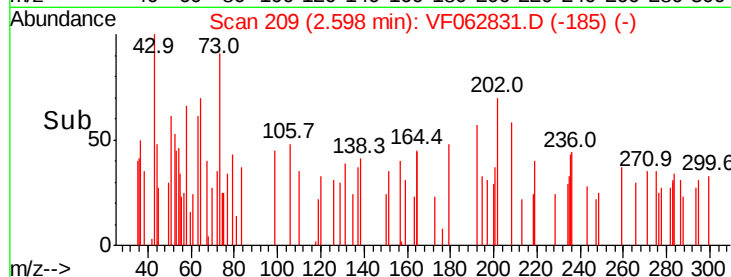
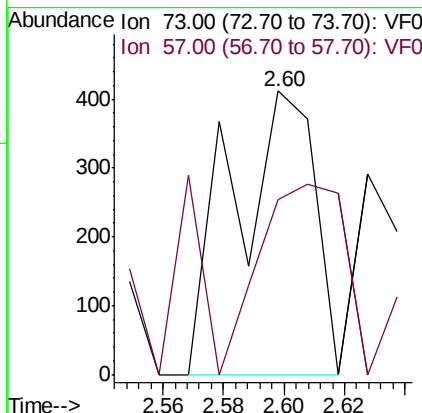
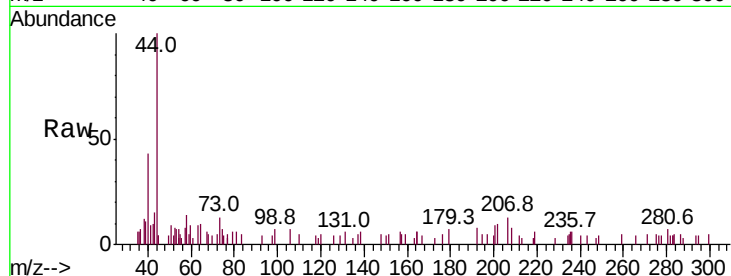


#19

Methyl tert-butyl Ether
 Concen: 212.436 ug/l
 RT: 2.60 min Scan# 209
 Delta R.T. 0.04 min
 Lab File: VF062831.D
 Acq: 3 Jun 2019 16:20

Instrument :
 MSVOA_F
 ClientSampleId :
 0432-HR-12(HACKENSACK)

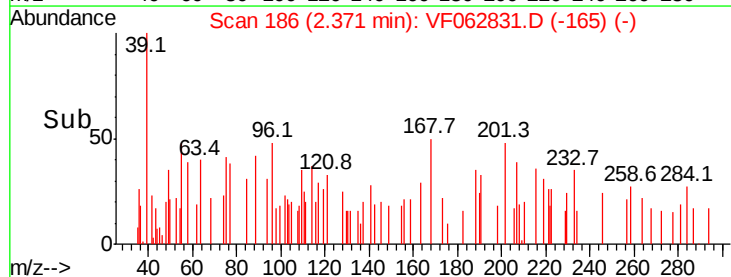
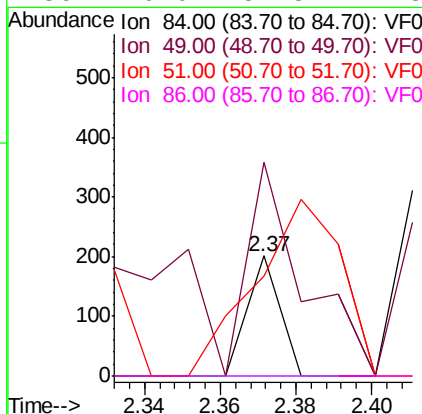
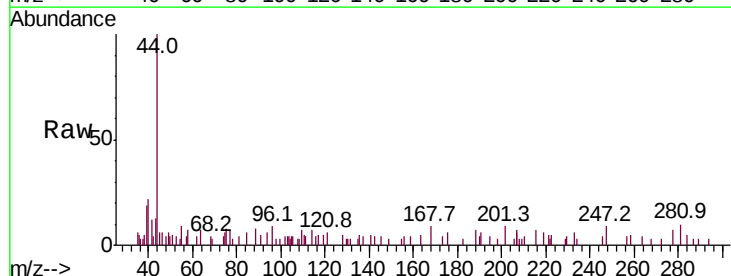
Tot Ion: 73 Resp: 774
 Ion Ratio Lower Upper
 73 100
 57 61.9 15.1 22.7#

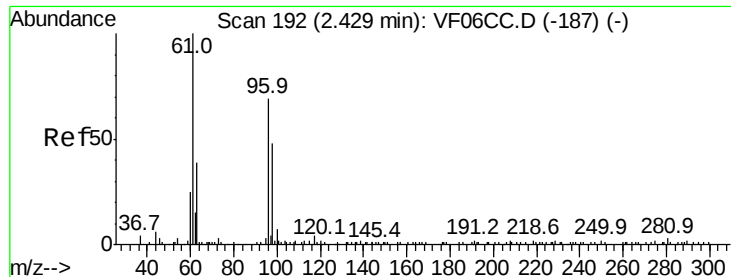


#20

Methylene Chloride
 Concen: 62.809 ug/l
 RT: 2.37 min Scan# 186
 Delta R.T. 0.01 min
 Lab File: VF062831.D
 Acq: 3 Jun 2019 16:20

Tgt Ion: 84 Resp: 119
 Ion Ratio Lower Upper
 84 100
 49 178.1 82.6 123.8#
 51 83.1 25.0 37.4#
 86 0.0 51.5 77.3#





#21

trans-1,2-Dichloroethene

Concen: 165.645 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.03 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

0432-HR-12(HACKENSACK)

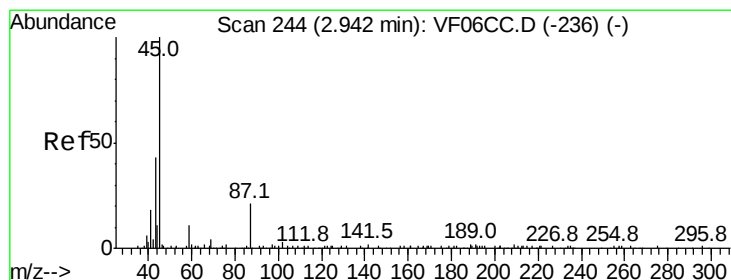
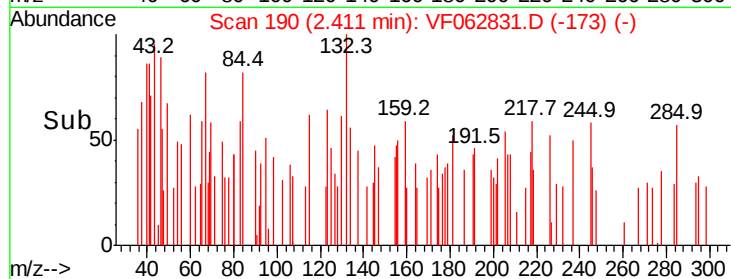
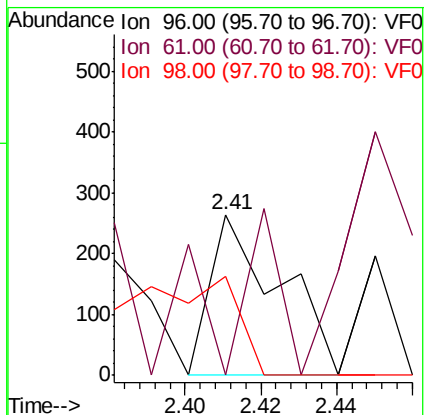
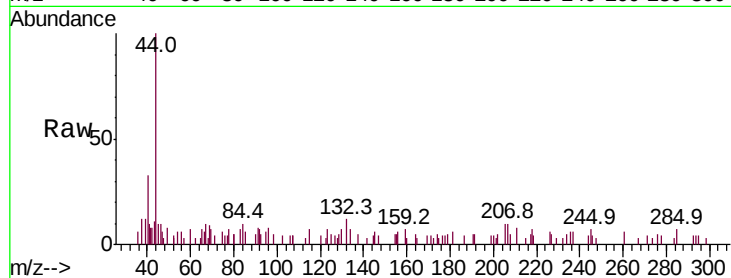
Tot Ion: 96 Resp: 334

Ion Ratio Lower Upper

96 100

61 0.0 105.0 157.6#

98 61.4 51.1 76.7



#22

Diisopropyl ether

Concen: 128.369 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.03 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Tgt Ion: 45 Resp: 569

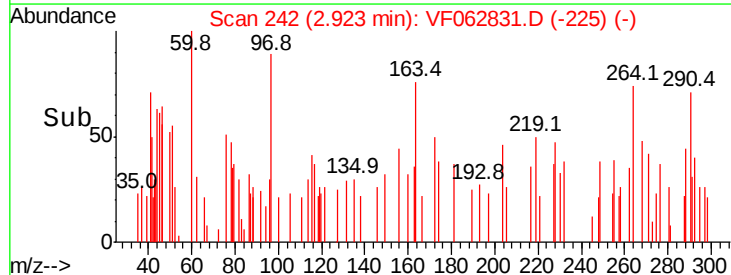
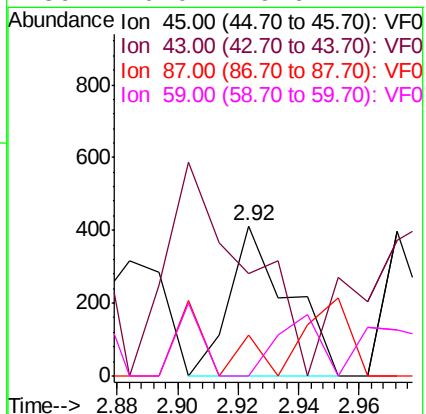
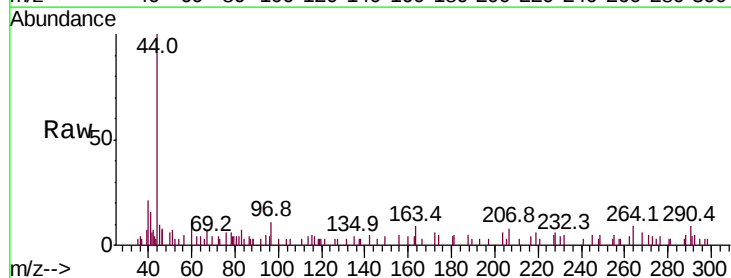
Ion Ratio Lower Upper

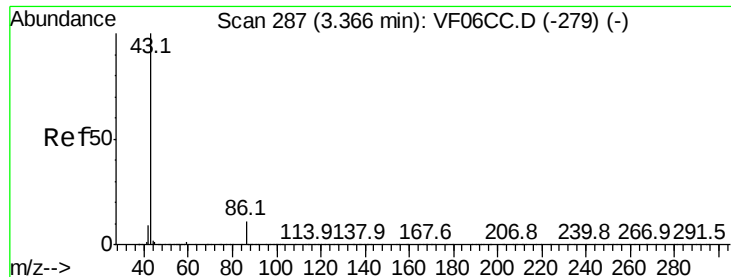
45 100

43 68.0 34.3 51.5#

87 27.4 19.0 28.4

59 0.0 9.6 14.4#





#23

Vinyl Acetate

Concen: 124.895 ug/l

RT: 3.36 min Scan# 286

Delta R.T. -0.01 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

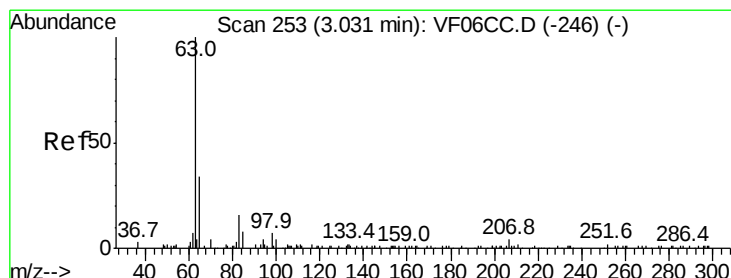
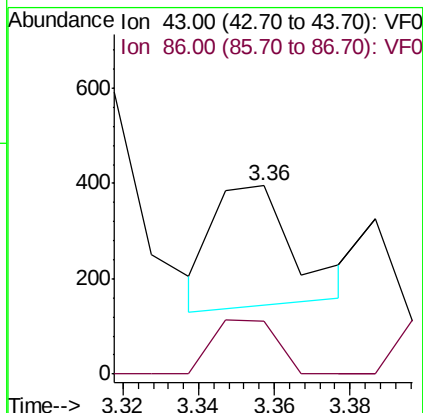
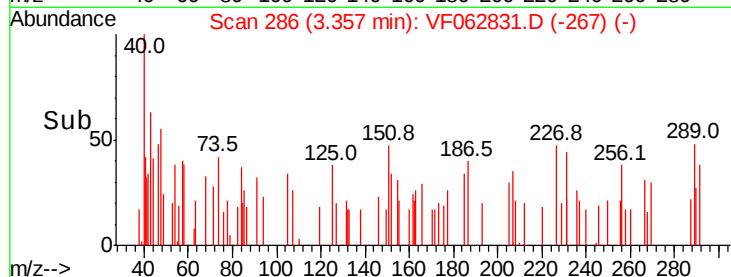
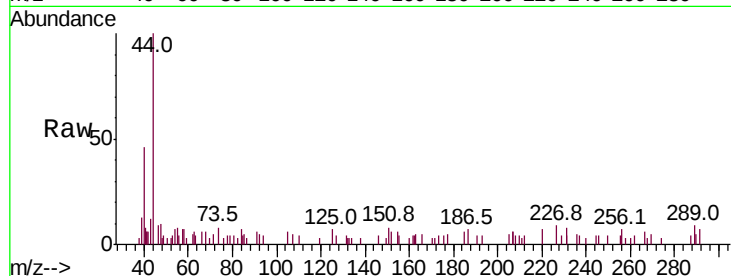
0432-HR-12(HACKENSACK)

Tot Ion: 43 Resp: 379

Ion Ratio Lower Upper

43 100

86 28.4 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 68.288 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.02 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

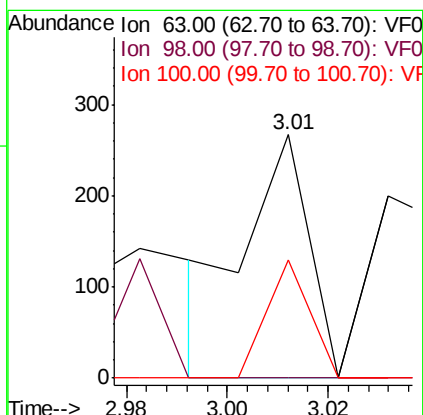
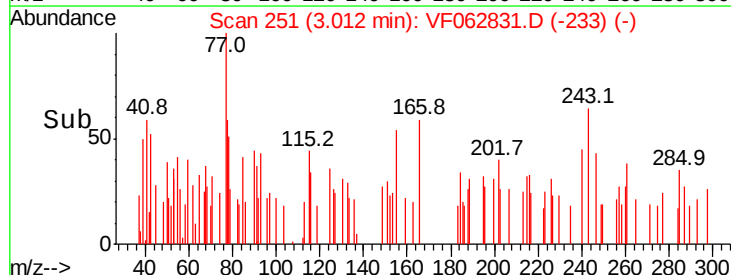
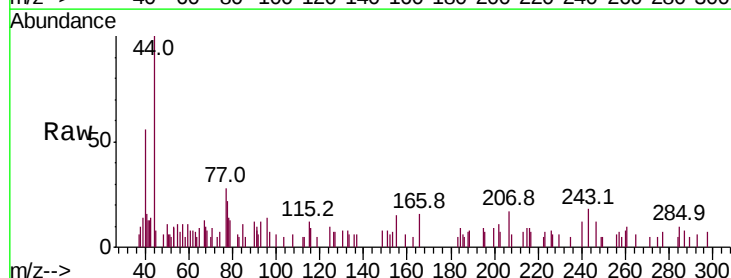
Tgt Ion: 63 Resp: 226

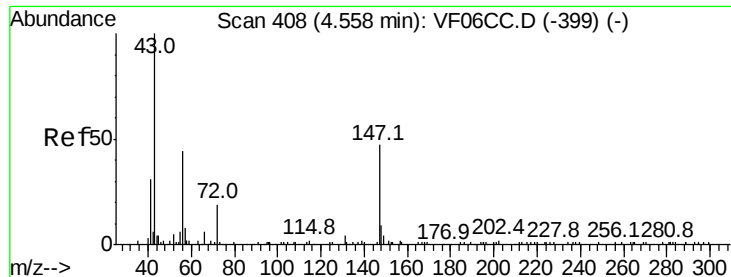
Ion Ratio Lower Upper

63 100

98 0.0 2.4 7.1#

100 48.3 1.5 4.5#





#25

2-Butanone

Concen: 1557.257 ug/l

RT: 4.50 min Scan# 402

Delta R.T. -0.05 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

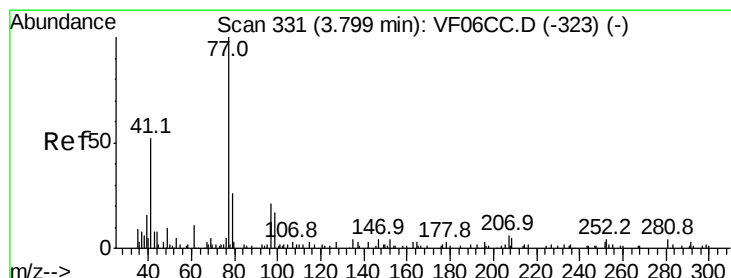
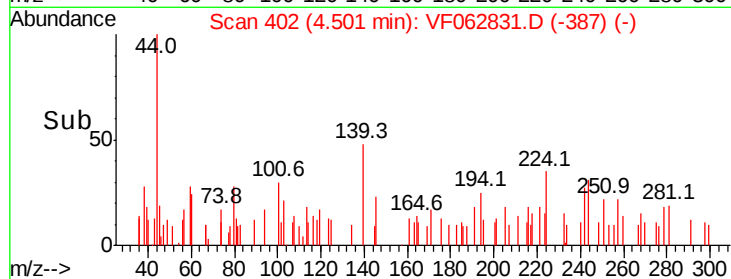
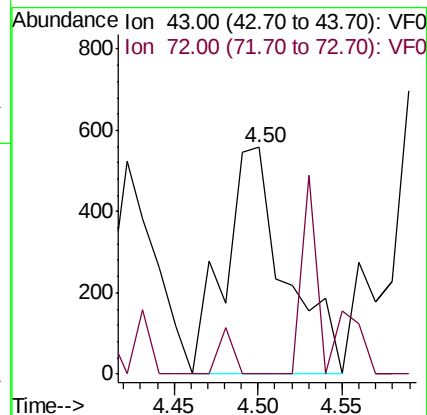
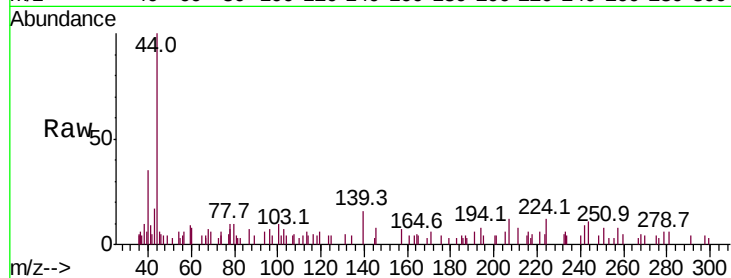
0432-HR-12(HACKENSACK)

Tot Ion: 43 Resp: 1389

Ion Ratio Lower Upper

43 100

72 18.3 21.4 32.0#



#26

2,2-Dichloropropane

Concen: 155.390 ug/l

RT: 3.79 min Scan# 330

Delta R.T. -0.01 min

Lab File: VF062831.D

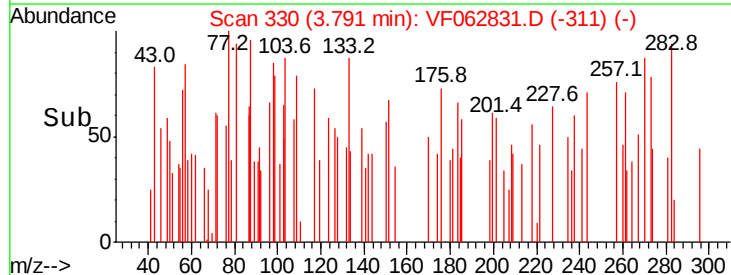
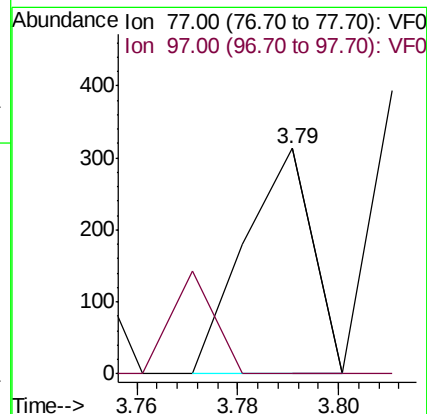
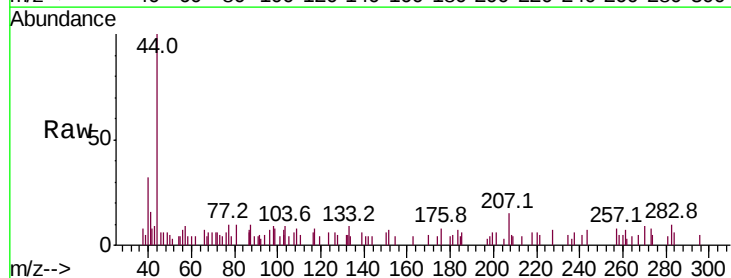
Acq: 3 Jun 2019 16:20

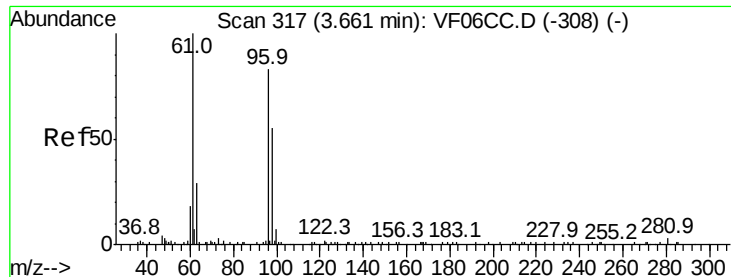
Tgt Ion: 77 Resp: 292

Ion Ratio Lower Upper

77 100

97 0.0 12.4 37.4#



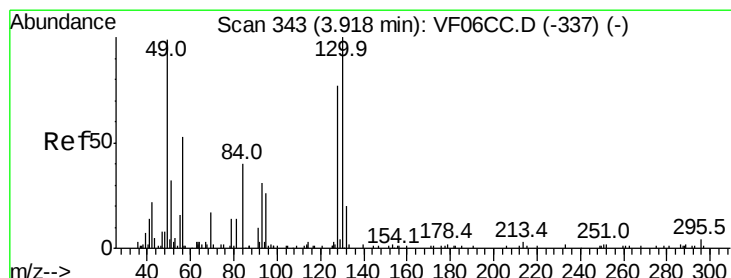
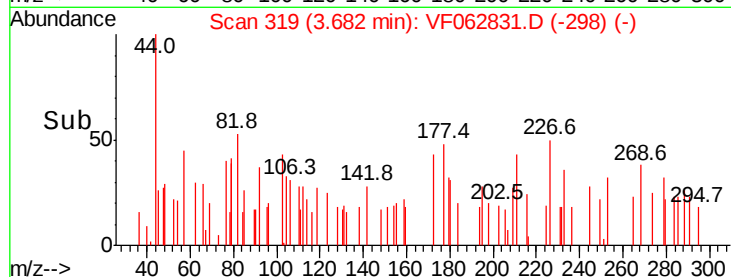
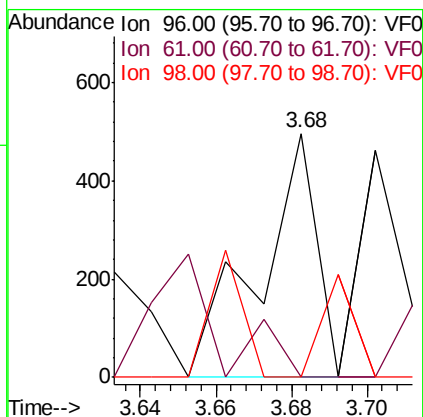
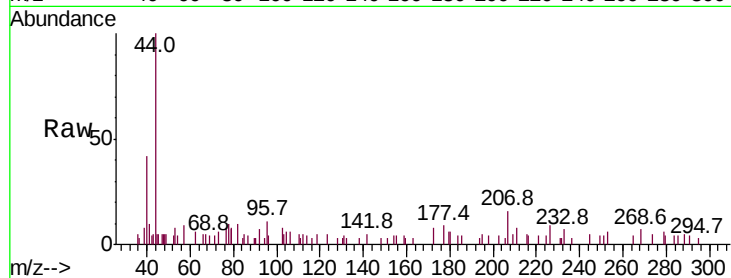


#27

cis-1,2-Dichloroethene
Concen: 153.715 ug/l
RT: 3.68 min Scan# 319
Delta R.T. 0.01 min
Lab File: VF062831.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_F
ClientSampleId :
0432-HR-12(HACKENSACK)

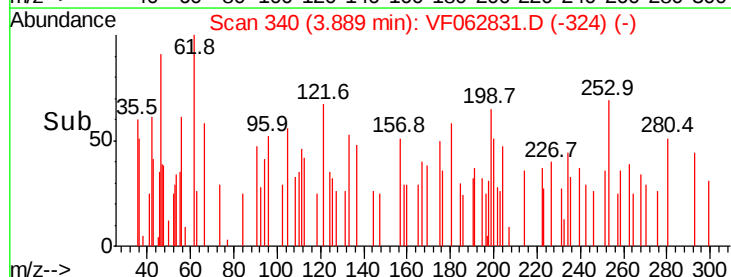
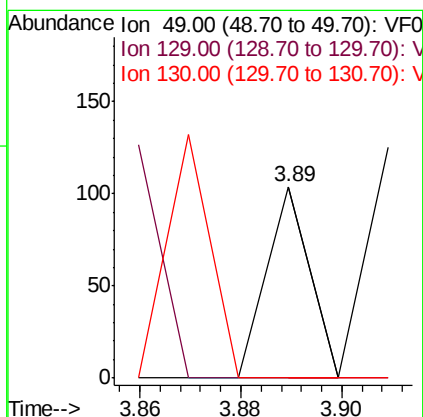
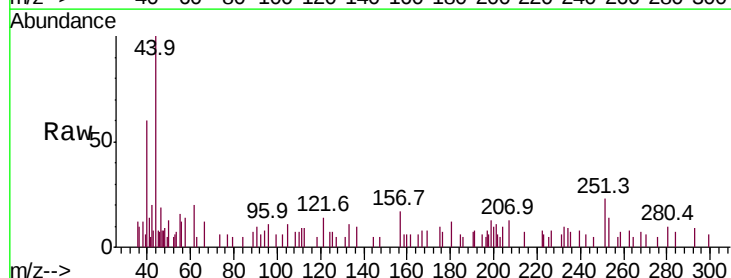
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	213.8
98	0.0	0.0	127.0

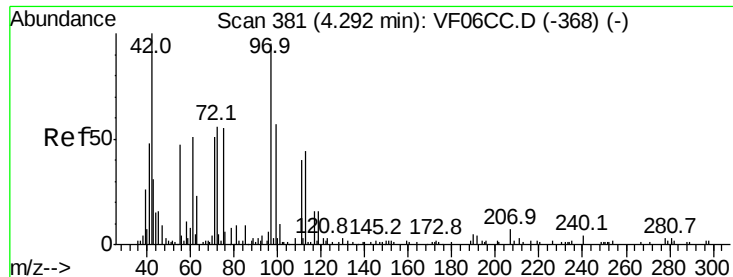


#28

Bromochloromethane
Concen: 33.885 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.04 min
Lab File: VF062831.D
Acq: 3 Jun 2019 16:20

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





#29

Tetrahydrofuran

Concen: 4042.245 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

0432-HR-12(HACKENSACK)

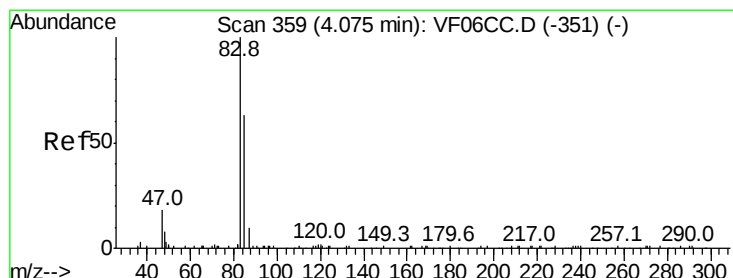
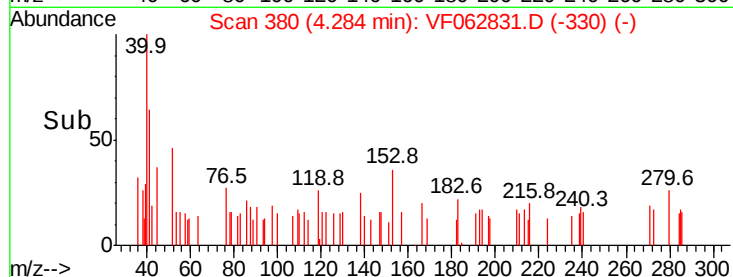
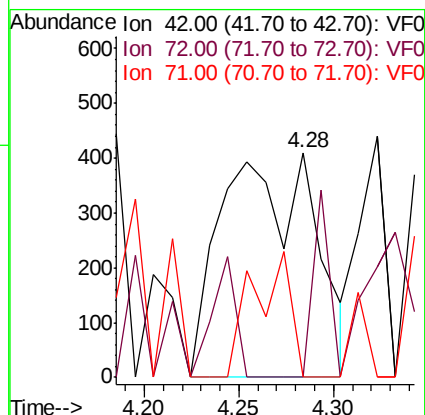
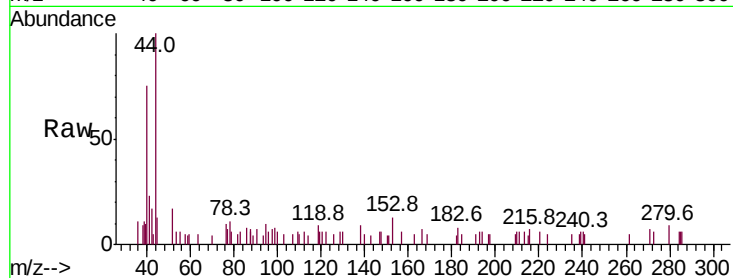
Tot Ion: 42 Resp: 1379

Ion Ratio Lower Upper

42 100

72 14.7 39.0 58.6#

71 23.1 36.9 55.3#



#30

Chloroform

Concen: 31.516 ug/l

RT: 4.07 min Scan# 358

Delta R.T. -0.01 min

Lab File: VF062831.D

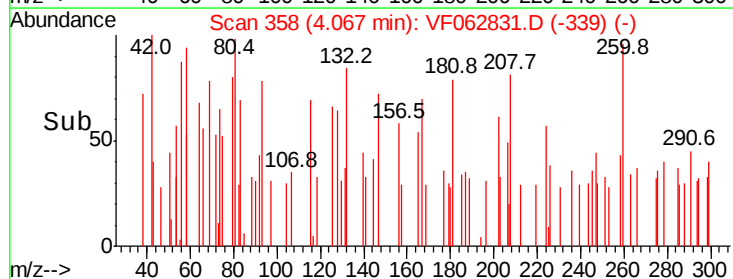
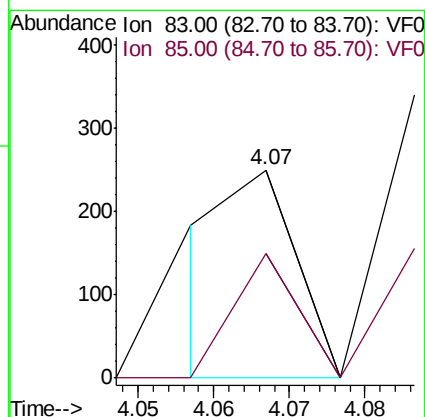
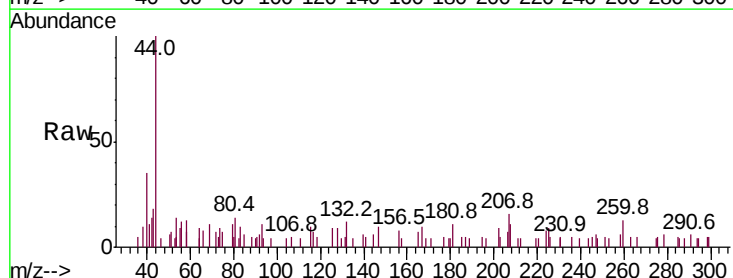
Acq: 3 Jun 2019 16:20

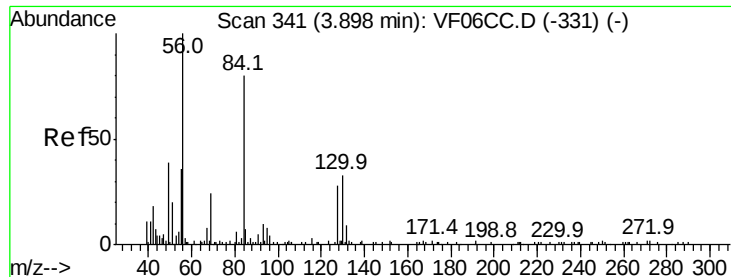
Tgt Ion: 83 Resp: 147

Ion Ratio Lower Upper

83 100

85 59.4 55.0 82.6





#31

Cyclohexane

Concen: 68.294 ug/l

RT: 3.90 min Scan# 341

Delta R.T. -0.00 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

0432-HR-12(HACKENSACK)

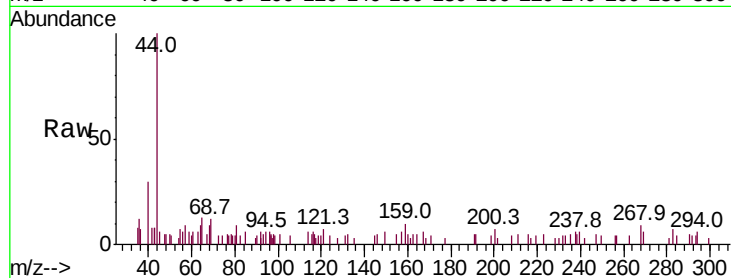
Tot Ion: 56 Resp: 306

Ion Ratio Lower Upper

56 100

69 192.5 26.7 40.1#

84 89.4 74.3 111.5

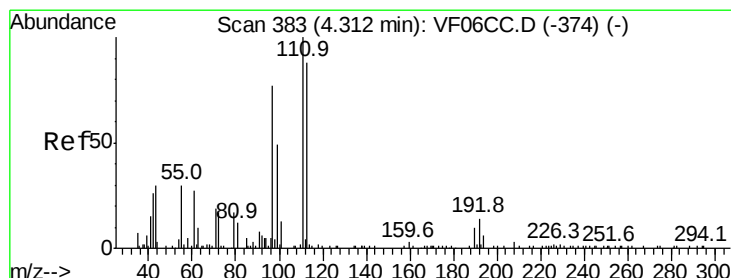
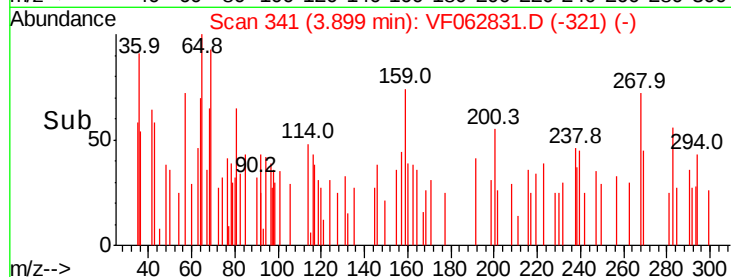
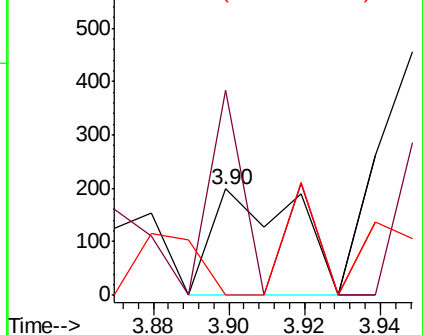


Abundance

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: 105.682 ug/l

RT: 4.15 min Scan# 366

Delta R.T. -0.17 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

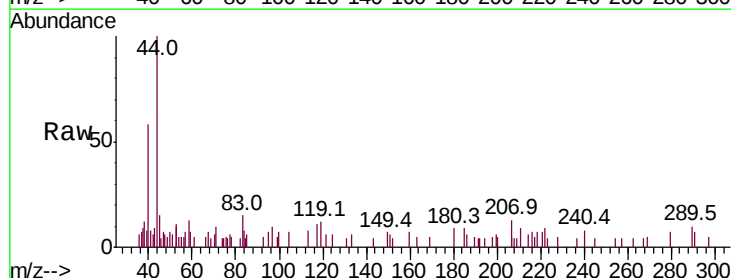
Tgt Ion: 97 Resp: 287

Ion Ratio Lower Upper

97 100

99 52.1 51.7 77.5

61 53.2 38.9 58.3

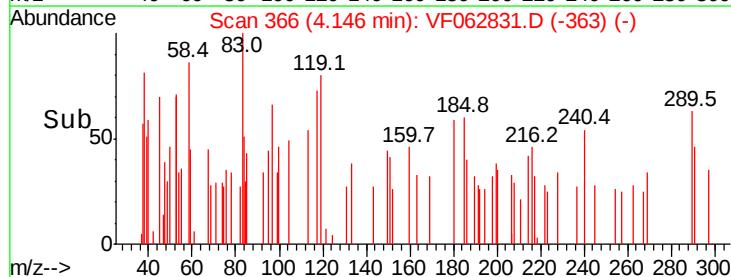
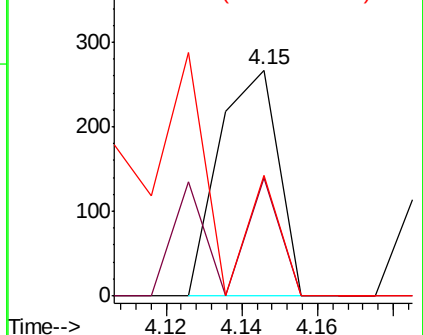


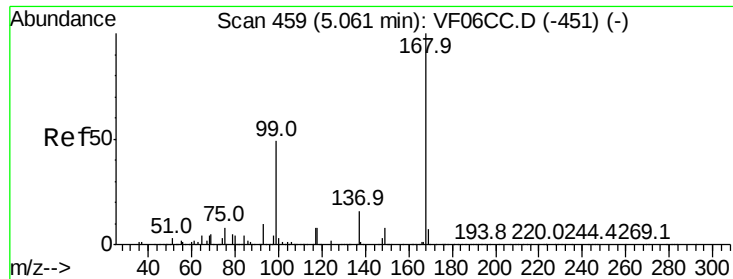
Abundance

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

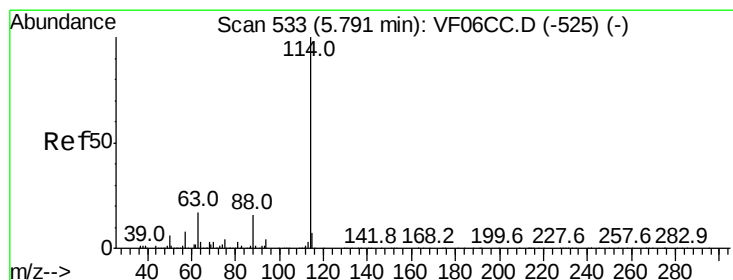
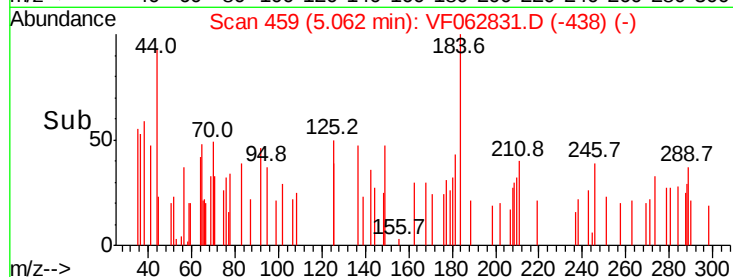
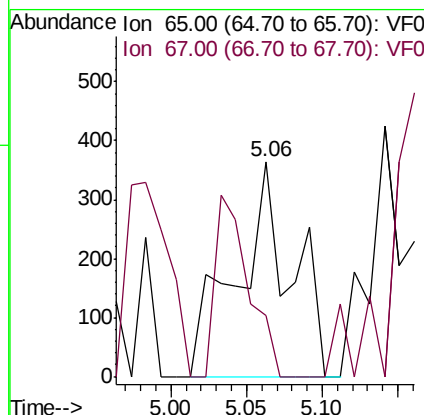
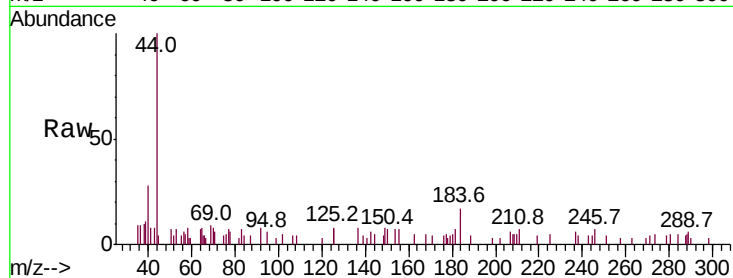




#33
 1,2-Dichloroethane-d4
 Concen: 546.178 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. 0.01 min
 Lab File: VF062831.D
 Acq: 3 Jun 2019 16:20

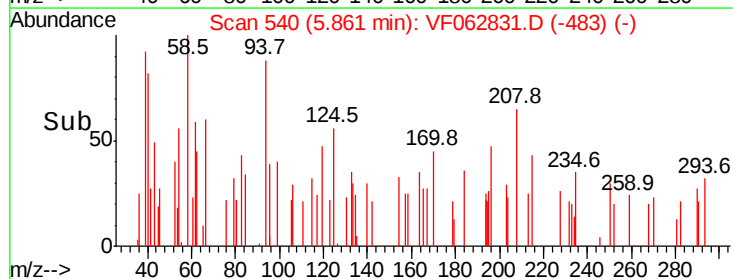
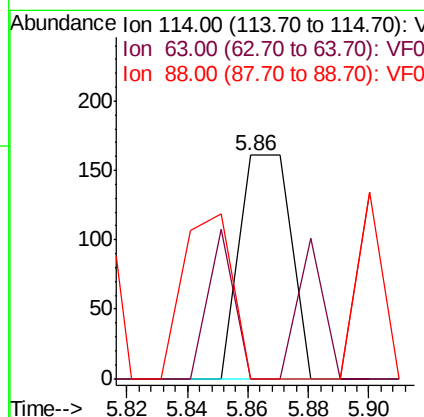
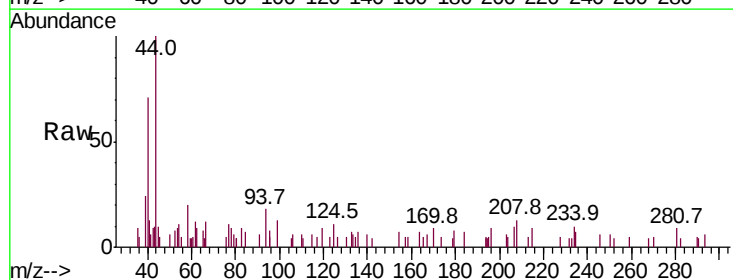
Instrument :
 MSVOA_F
 ClientSampleId :
 0432-HR-12(HACKENSACK)

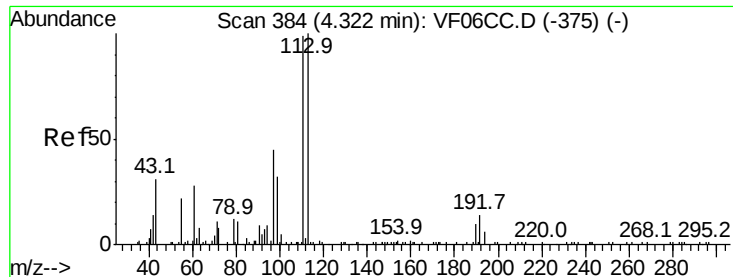
Tot Ion: 65 Resp: 914
 Ion Ratio Lower Upper
 65 100
 67 28.5 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 540
 Delta R.T. 0.06 min
 Lab File: VF062831.D
 Acq: 3 Jun 2019 16:20

Tgt Ion: 114 Resp: 190
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 34.2
 88 0.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 201.290 ug/l

RT: 4.34 min Scan# 386

Delta R.T. 0.01 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

0432-HR-12(HACKENSACK)

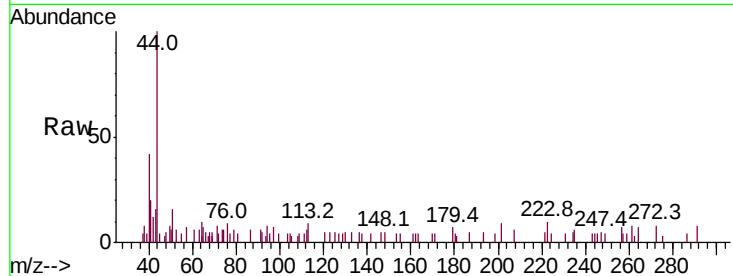
Tot Ion:113 Resp: 289

Ion Ratio Lower Upper

113 100

111 47.3 81.9 122.9#

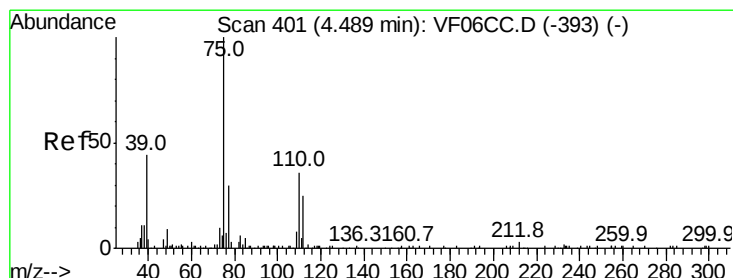
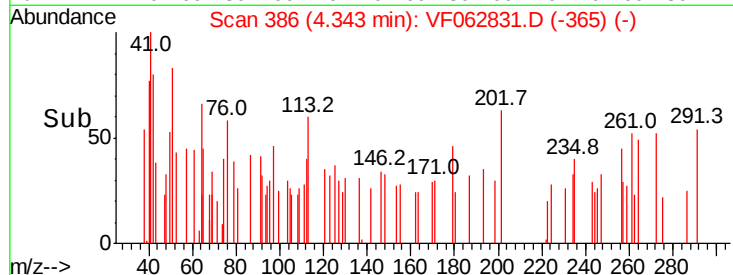
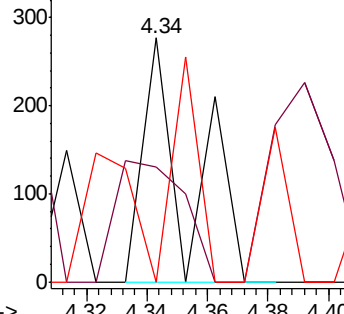
192 0.0 15.1 22.7#



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: 133.781 ug/l

RT: 4.60 min Scan# 412

Delta R.T. 0.10 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

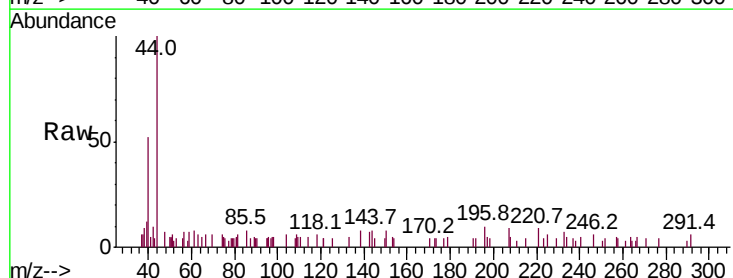
Tgt Ion: 75 Resp: 234

Ion Ratio Lower Upper

75 100

110 58.0 19.4 58.1

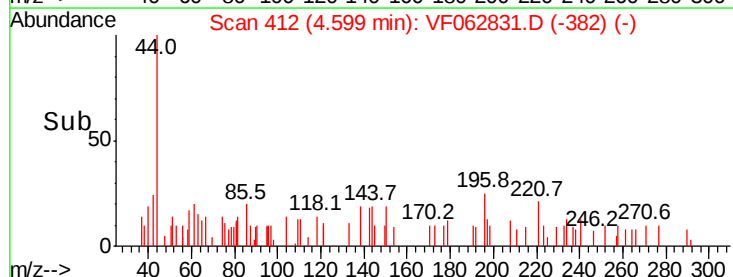
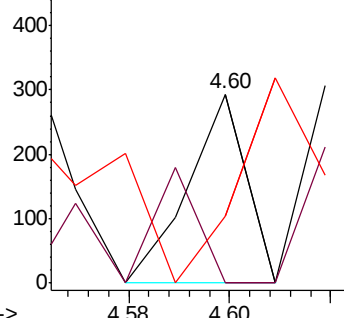
77 35.5 25.4 38.2

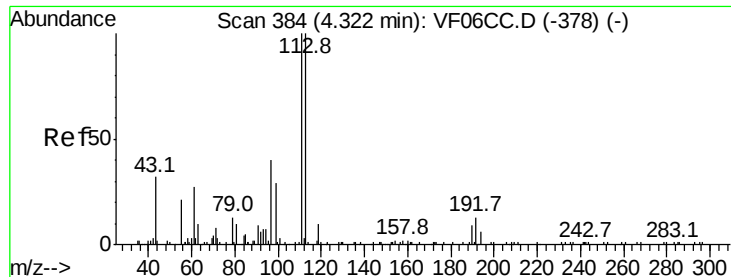


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

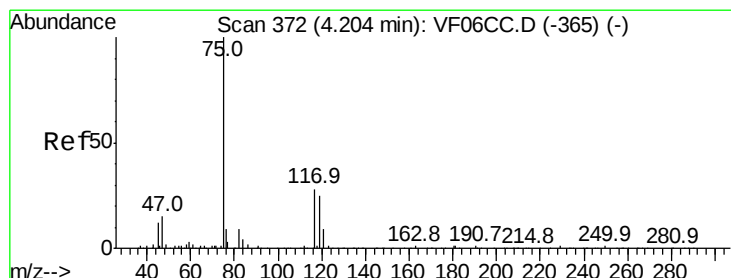
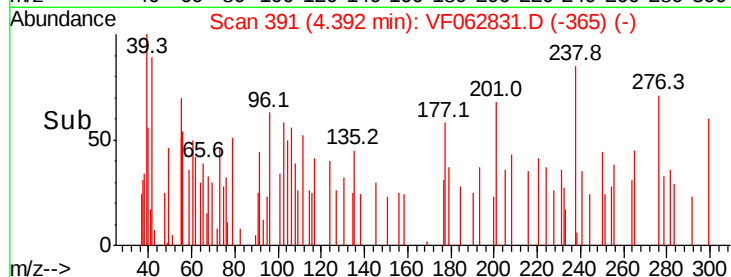
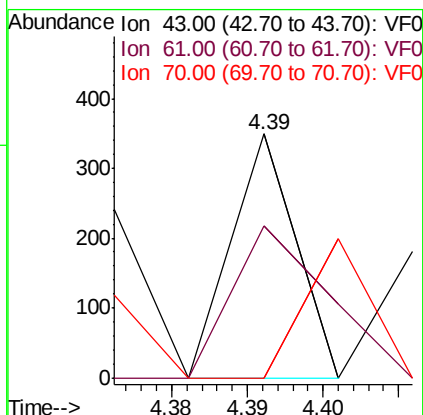
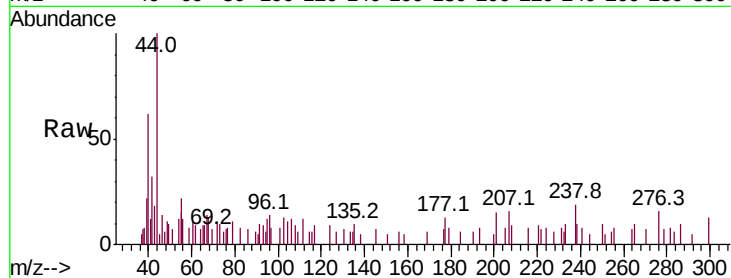




#37
Ethyl Acetate
Concen: 308.094 ug/l
RT: 4.39 min Scan# 391
Delta R.T. 0.06 min
Lab File: VF062831.D
Acq: 3 Jun 2019 16:20

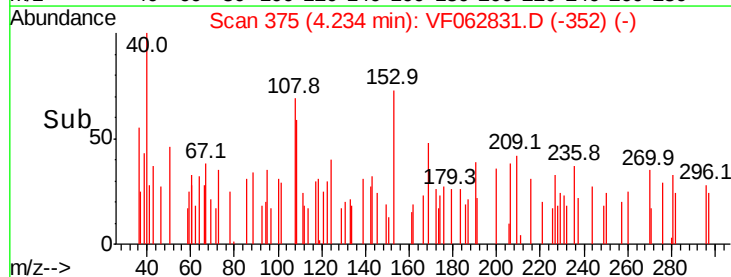
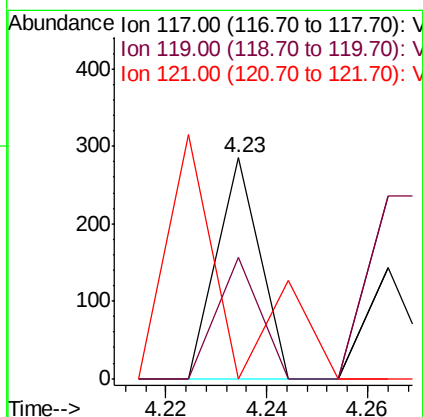
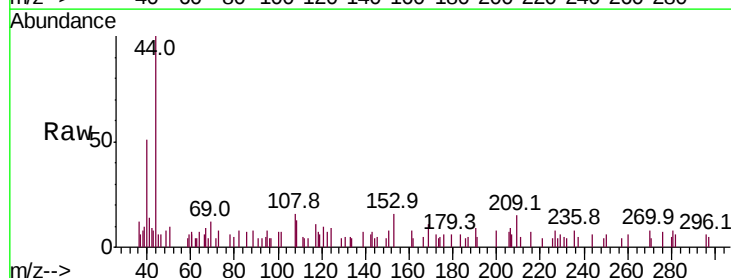
Instrument :
MSVOA_F
ClientSampleId :
0432-HR-12(HACKENSACK)

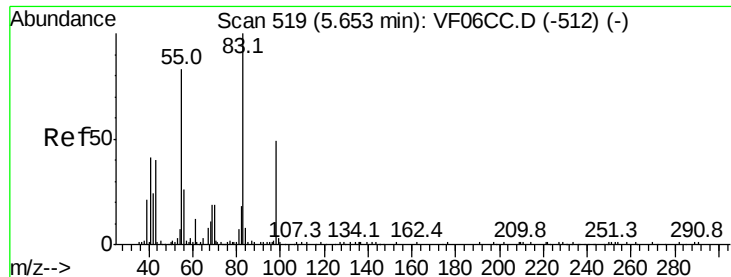
Tot Ion: 43 Resp: 206
Ion Ratio Lower Upper
43 100
61 62.5 59.1 88.7
70 0.0 10.1 15.1#



#38
Carbon Tetrachloride
Concen: 142.963 ug/l
RT: 4.23 min Scan# 375
Delta R.T. 0.03 min
Lab File: VF062831.D
Acq: 3 Jun 2019 16:20

Tgt Ion: 117 Resp: 169
Ion Ratio Lower Upper
117 100
119 55.1 78.2 117.2#
121 0.0 28.2 42.2#

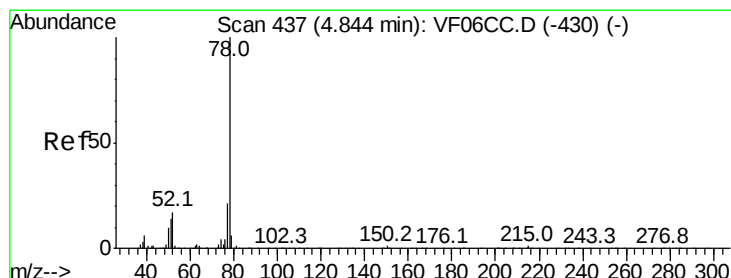
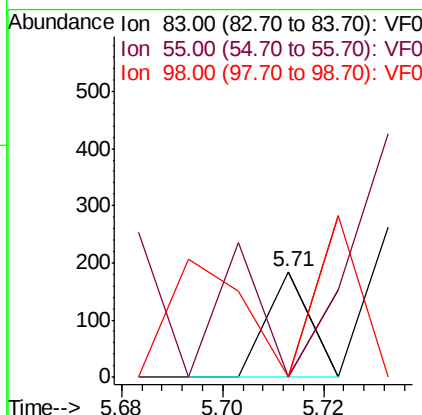
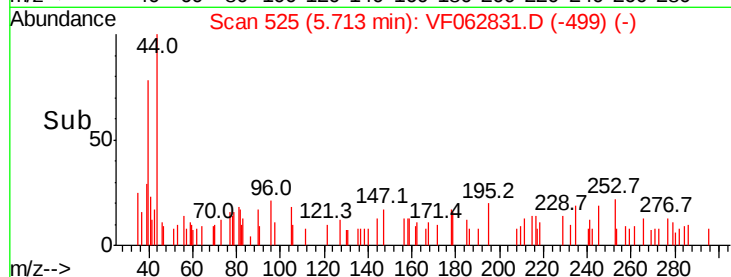
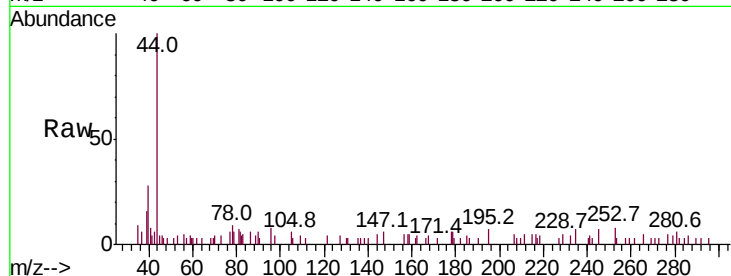




#39
Methylcyclohexane
Concen: 50.070 ug/l
RT: 5.71 min Scan# 525
Delta R.T. 0.06 min
Lab File: VF062831.D
Acq: 3 Jun 2019 16:20

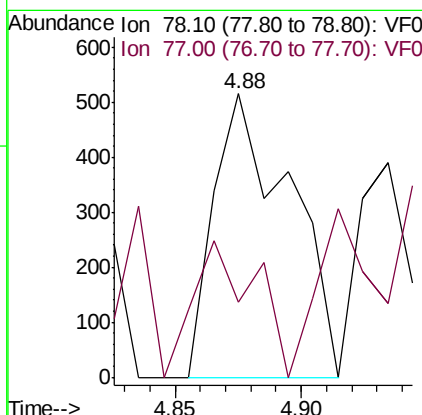
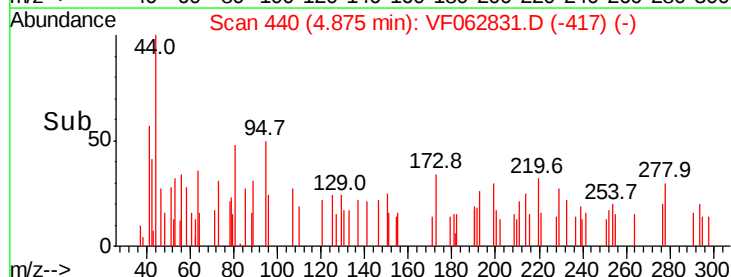
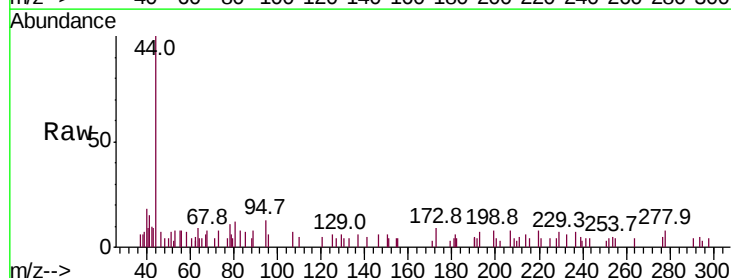
Instrument :
MSVOA_F
ClientSampleId :
0432-HR-12(HACKENSACK)

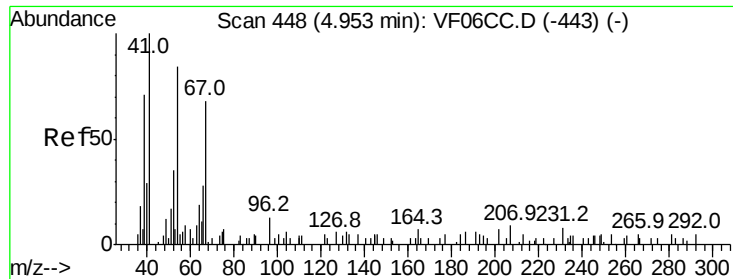
Tot Ion: 83 Resp: 109
Ion Ratio Lower Upper
83 100
55 0.0 61.6 92.4#
98 0.0 37.4 56.2#



#40
Benzene
Concen: 212.942 ug/l
RT: 4.88 min Scan# 440
Delta R.T. 0.03 min
Lab File: VF062831.D
Acq: 3 Jun 2019 16:20

Tgt Ion: 78 Resp: 1084
Ion Ratio Lower Upper
78 100
77 26.6 18.9 28.3

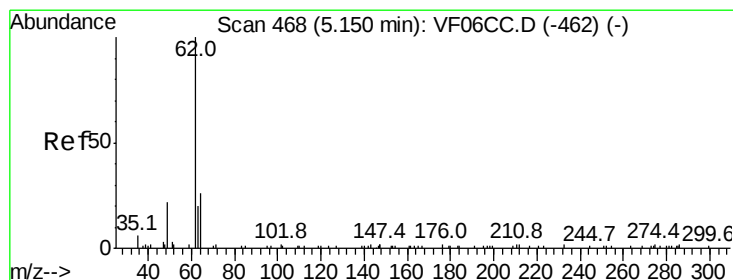
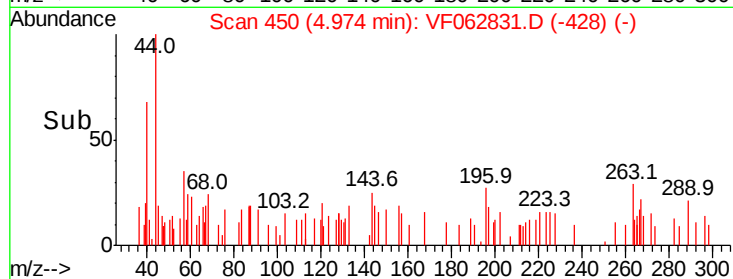
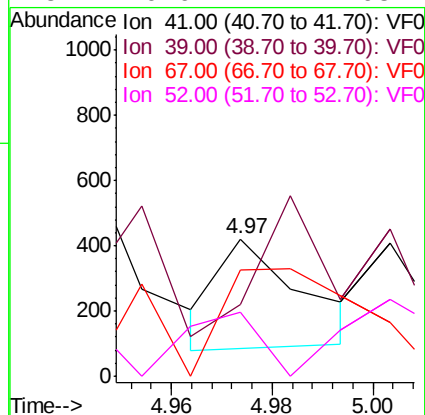
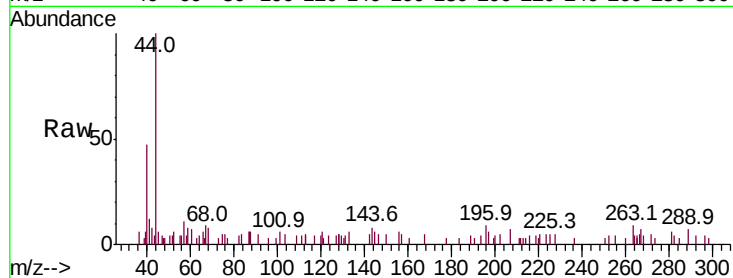




#41
Methacrylonitrile
Concen: 1041.150 ug/l
RT: 4.97 min Scan# 450
Delta R.T. 0.02 min
Lab File: VF062831.D
Acq: 3 Jun 2019 16:20

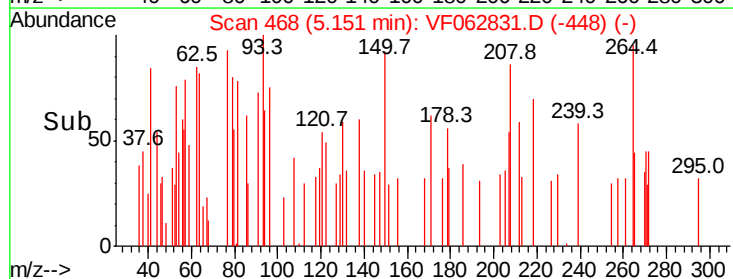
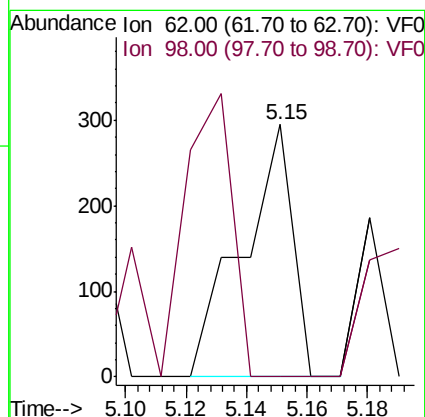
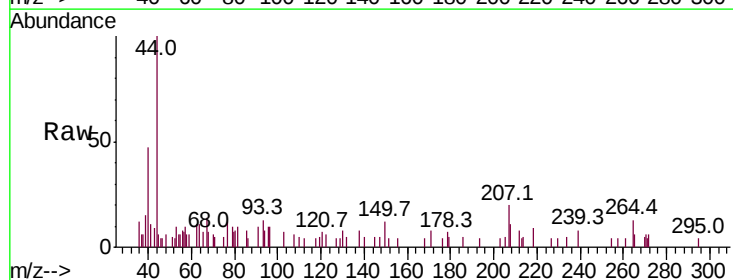
Instrument :
MSVOA_F
ClientSampleId :
0432-HR-12(HACKENSACK)

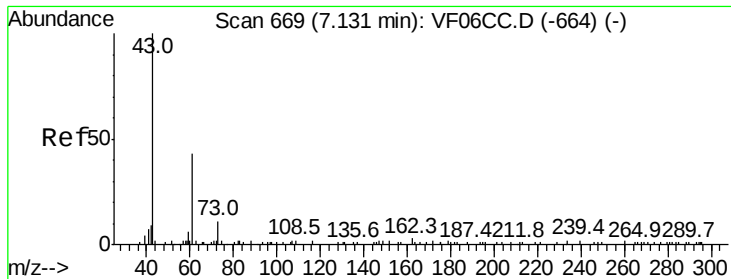
Tot Ion:	41	Resp:	387
Ion	Ratio	Lower	Upper
41	100		
39	52.0	42.0	63.0
67	77.4	61.4	92.0
52	46.6	42.1	63.1



#42
1,2-Dichloroethane
Concen: 350.137 ug/l
RT: 5.15 min Scan# 468
Delta R.T. -0.00 min
Lab File: VF062831.D
Acq: 3 Jun 2019 16:20

Tgt Ion:	62	Resp:	339
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	24.0



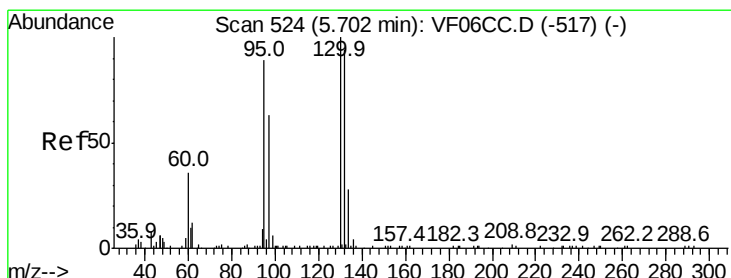
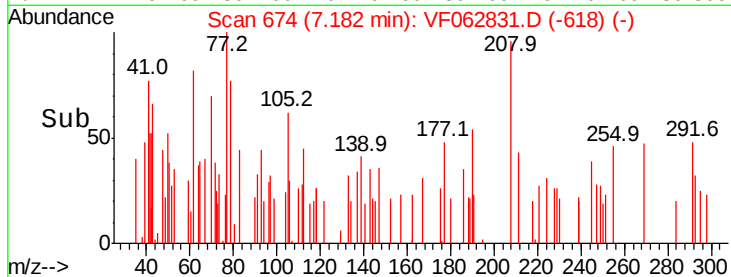
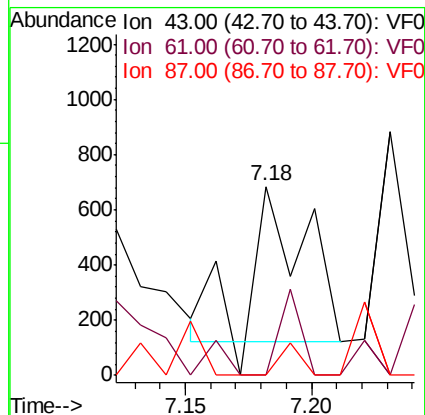


#43

Isopropyl Acetate
 Concen: 969.133 ug/l
 RT: 7.18 min Scan# 674
 Delta R.T. 0.05 min
 Lab File: VF062831.D
 Acq: 3 Jun 2019 16:20

Instrument :
 MSVOA_F
 ClientSampleId :
 0432-HR-12(HACKENSACK)

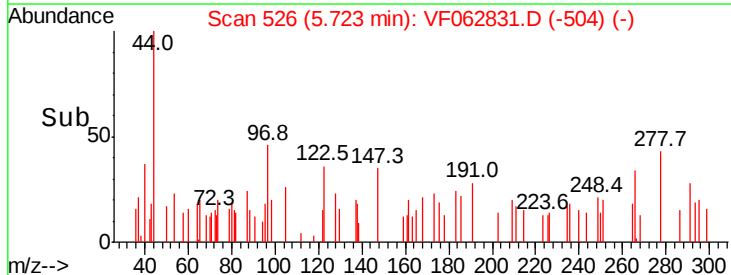
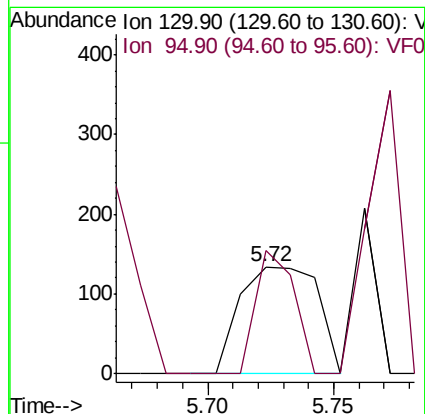
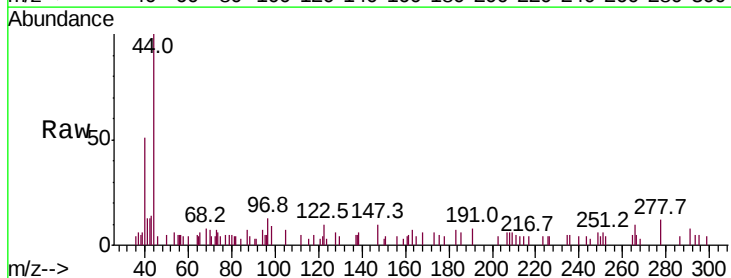
Tot Ion: 43 Resp: 856
 Ion Ratio Lower Upper
 43 100
 61 0.0 29.8 44.6#
 87 0.0 0.3 0.5#

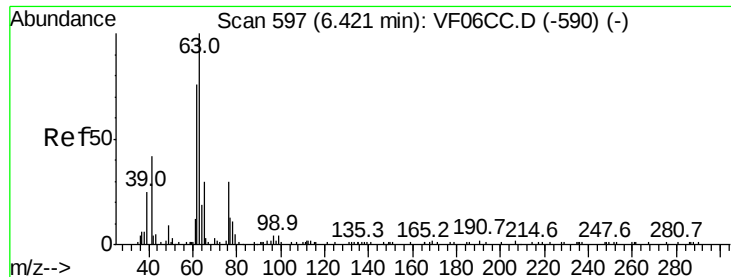


#44

Trichloroethene
 Concen: 200.462 ug/l
 RT: 5.72 min Scan# 526
 Delta R.T. 0.02 min
 Lab File: VF062831.D
 Acq: 3 Jun 2019 16:20

Tgt Ion:130 Resp: 288
 Ion Ratio Lower Upper
 130 100
 95 115.7 0.0 188.2





#45

1,2-Dichloropropane

Concen: 48.534 ug/l

RT: 6.51 min Scan# 606

Delta R.T. 0.08 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

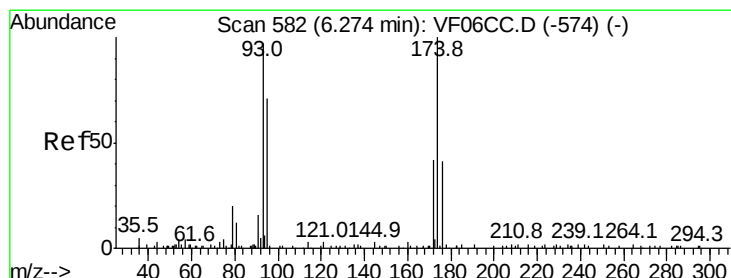
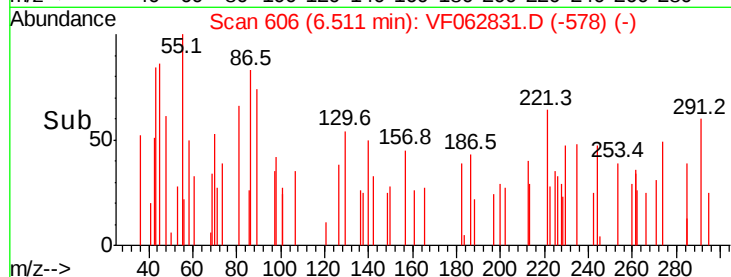
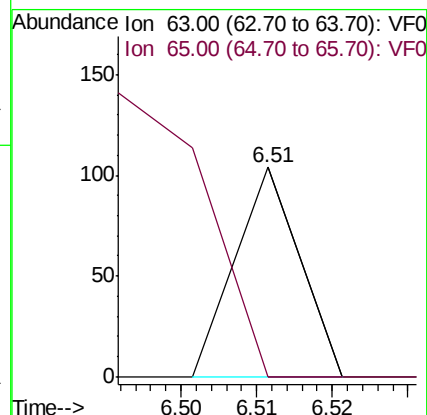
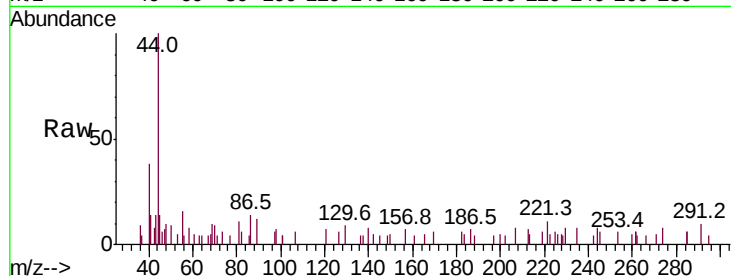
0432-HR-12(HACKENSACK)

Tot Ion: 63 Resp: 62

Ion Ratio Lower Upper

63 100

65 0.0 24.2 36.2#



#46

Dibromomethane

Concen: 238.658 ug/l

RT: 6.35 min Scan# 590

Delta R.T. 0.07 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

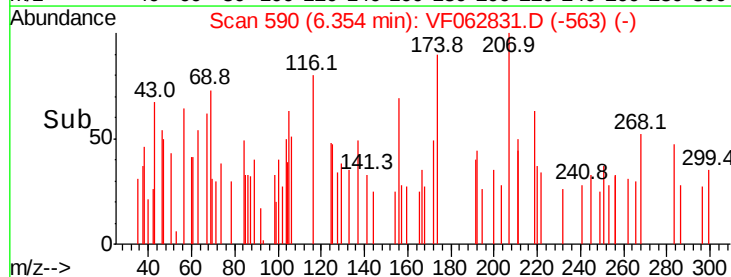
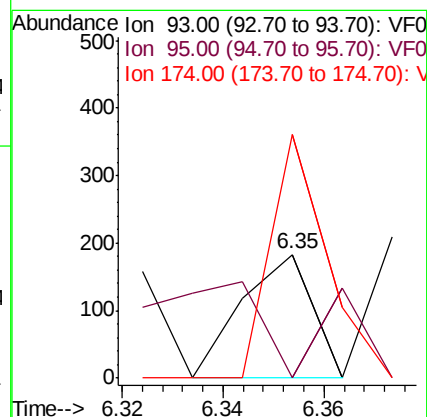
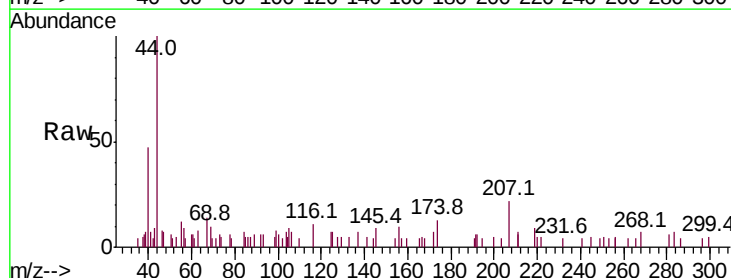
Tgt Ion: 93 Resp: 178

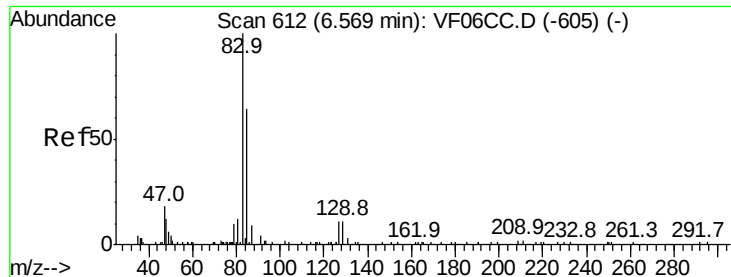
Ion Ratio Lower Upper

93 100

95 0.0 67.9 101.9#

174 197.3 85.0 127.4#





#47

Bromodichloromethane

Concen: 240.956 ug/l

RT: 6.60 min Scan# 615

Delta R.T. 0.02 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

0432-HR-12(HACKENSACK)

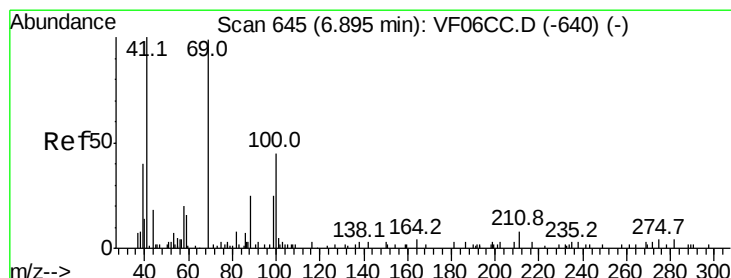
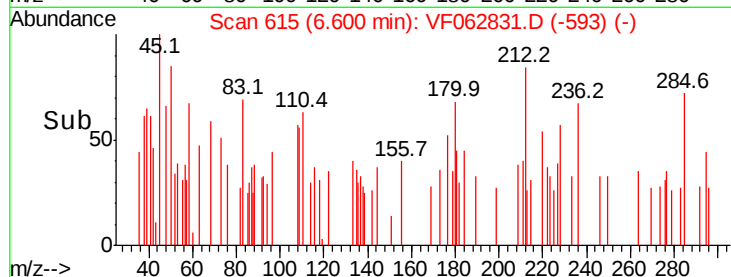
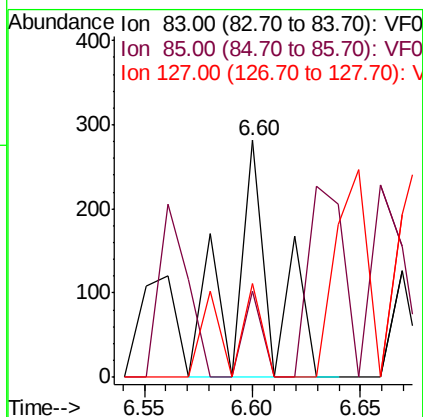
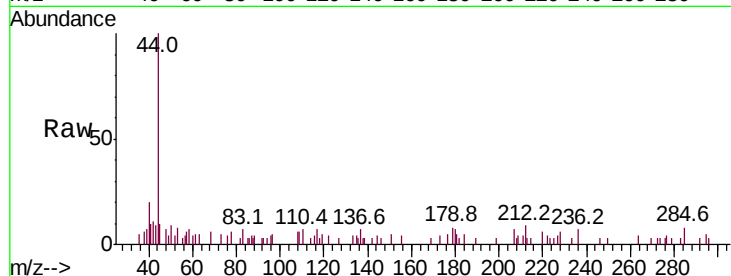
Tot Ion: 83 Resp: 366

Ion Ratio Lower Upper

83 100

85 36.3 54.2 81.4#

127 39.5 7.0 10.4#



#48

Methyl methacrylate

Concen: 1531.184 ug/l

RT: 6.96 min Scan# 652

Delta R.T. 0.07 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

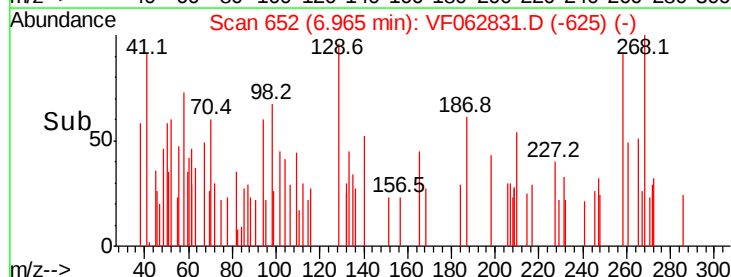
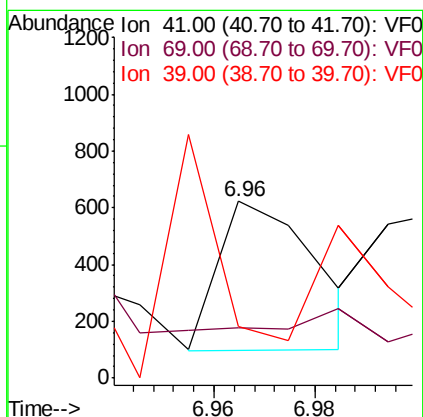
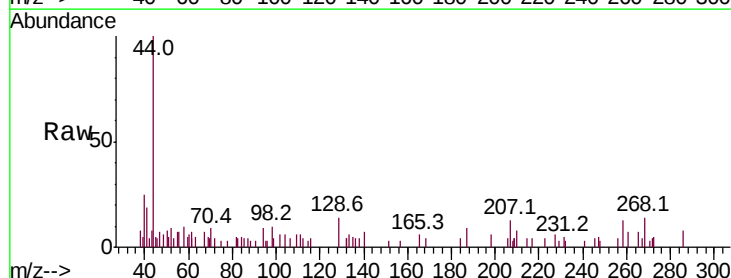
Tgt Ion: 41 Resp: 697

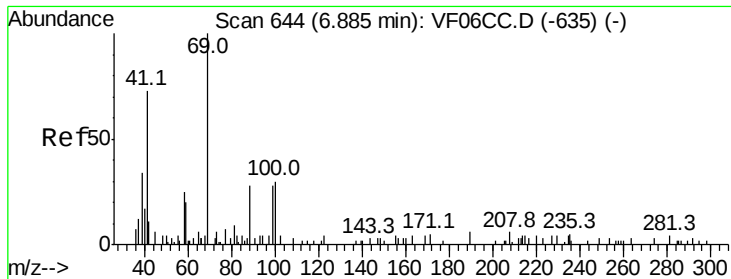
Ion Ratio Lower Upper

41 100

69 28.6 79.4 119.2#

39 28.9 39.8 59.6#





#49

1,4-Dioxane

Concen: 21499.676 ug/l

RT: 6.96 min Scan# 652

Delta R.T. 0.08 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

0432-HR-12(HACKENSACK)

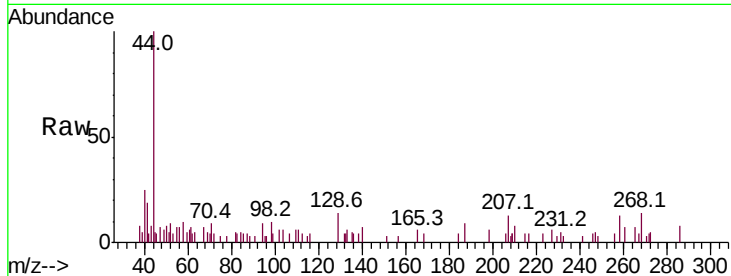
Tot Ion: 88 Resp: 129

Ion Ratio Lower Upper

88 100

43 250.9 34.8 52.2#

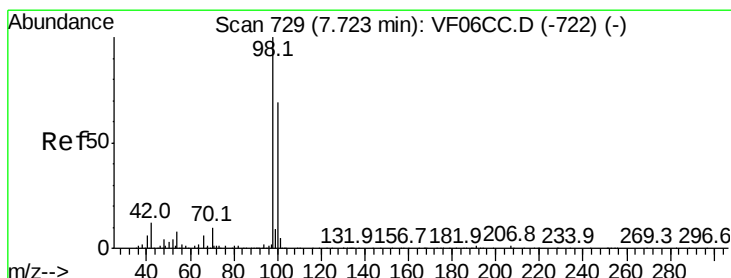
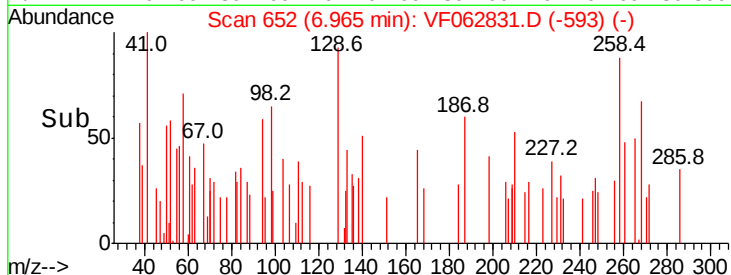
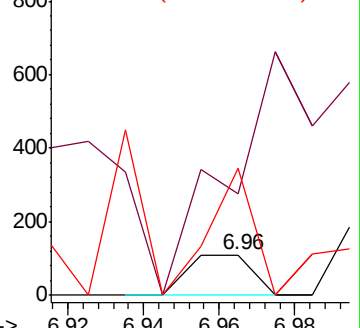
58 312.7 59.9 89.9#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 38.010 ug/l

RT: 7.67 min Scan# 724

Delta R.T. -0.06 min

Lab File: VF062831.D

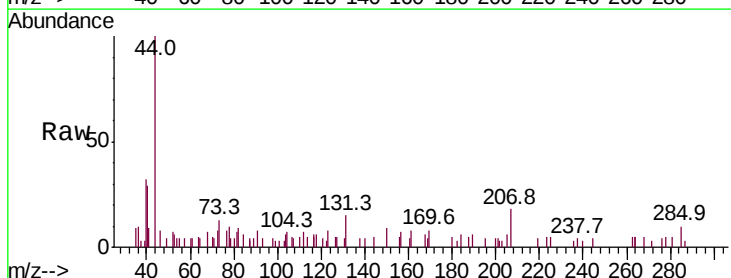
Acq: 3 Jun 2019 16:20

Tgt Ion: 98 Resp: 138

Ion Ratio Lower Upper

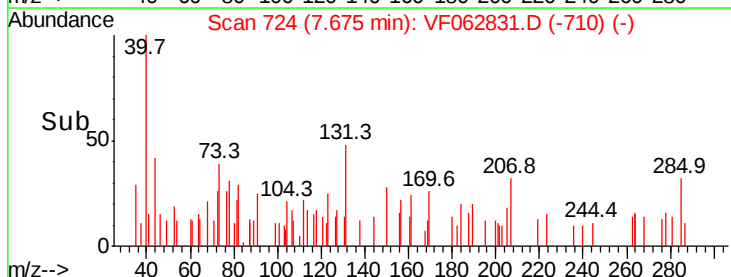
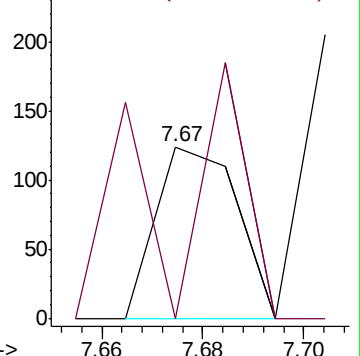
98 100

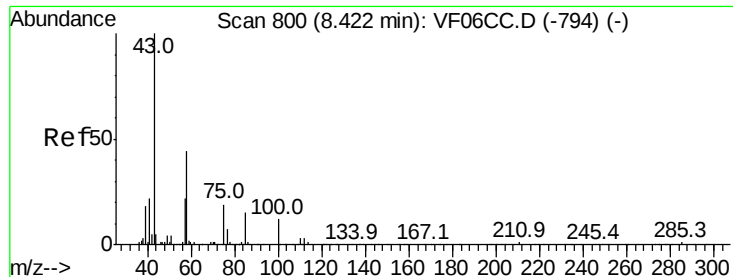
100 89.5 59.8 89.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 1715.832 ug/l

RT: 8.55 min Scan# 813

Delta R.T. 0.13 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

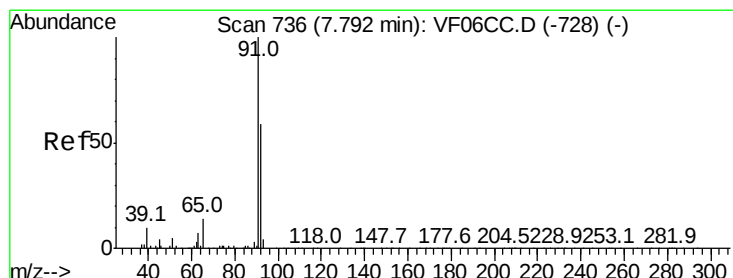
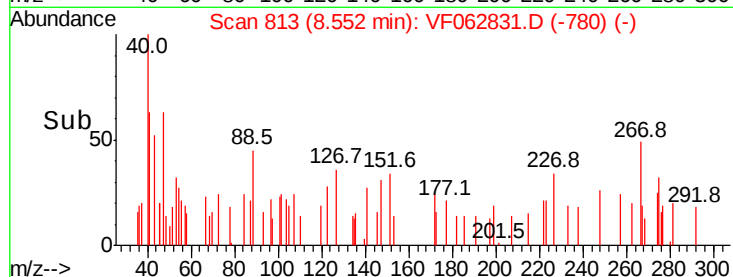
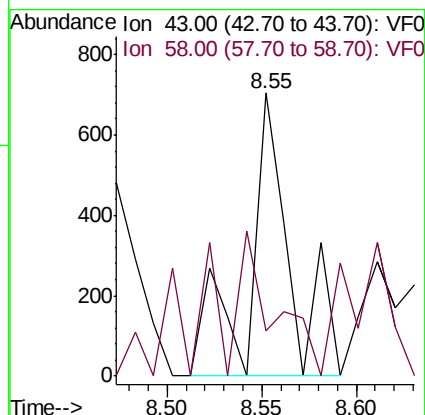
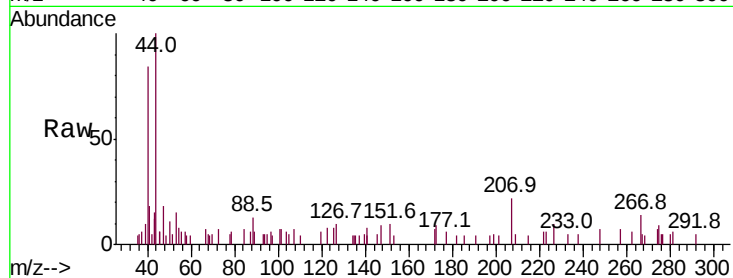
0432-HR-12(HACKENSACK)

Tot Ion: 43 Resp: 1082

Ion Ratio Lower Upper

43 100

58 16.1 35.5 53.3#



#52

Toluene

Concen: 51.425 ug/l

RT: 7.84 min Scan# 741

Delta R.T. 0.04 min

Lab File: VF062831.D

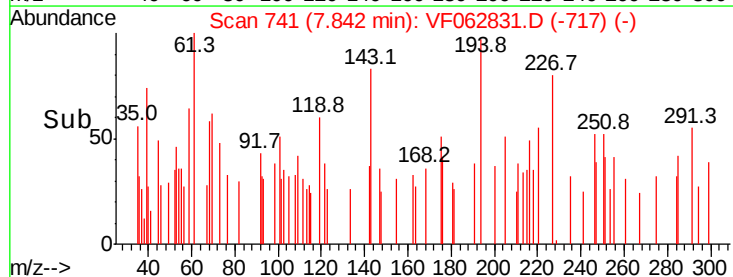
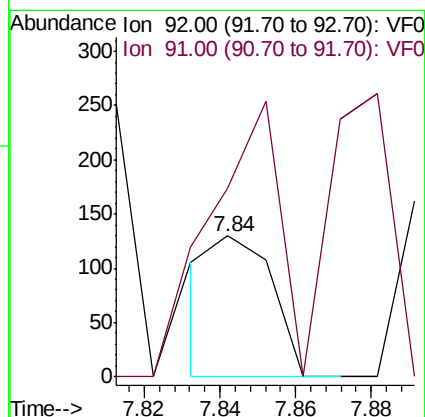
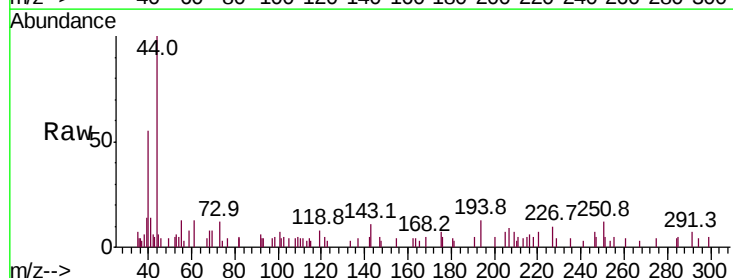
Acq: 3 Jun 2019 16:20

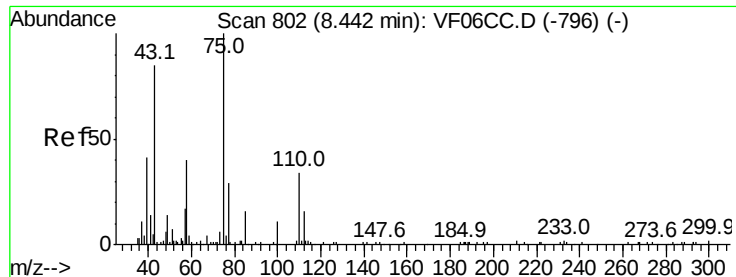
Tgt Ion: 92 Resp: 141

Ion Ratio Lower Upper

92 100

91 133.8 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 342.424 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.06 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

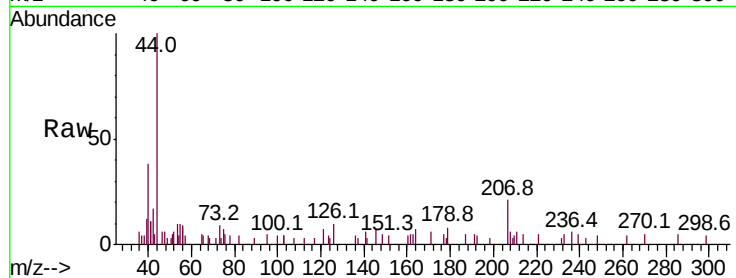
0432-HR-12(HACKENSACK)

Tot Ion: 75 Resp: 431

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.38

400

300

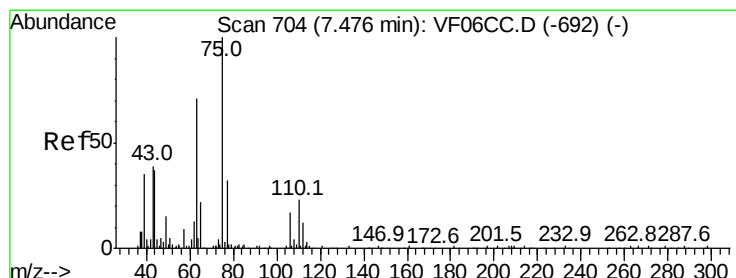
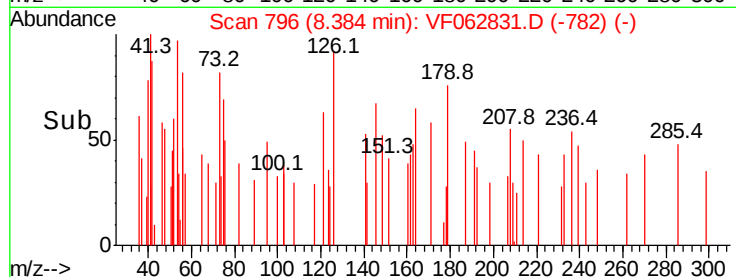
200

100

0

8.34 8.36 8.38 8.40 8.42

Time-->



#54

cis-1,3-Dichloropropene

Concen: 135.020 ug/l

RT: 7.58 min Scan# 714

Delta R.T. 0.10 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

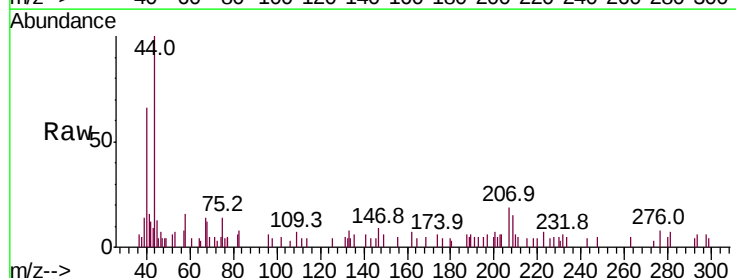
Tgt Ion: 75 Resp: 246

Ion Ratio Lower Upper

75 100

77 64.2 25.8 38.8#

39 101.9 28.4 42.6#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

800

600

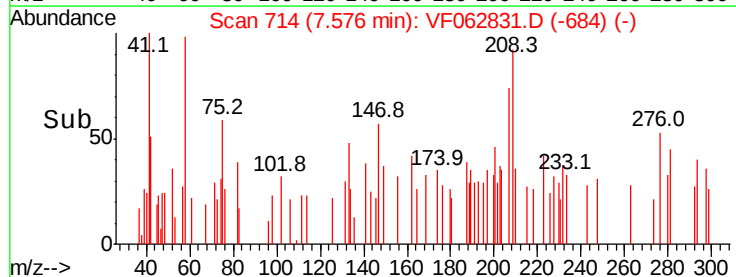
400

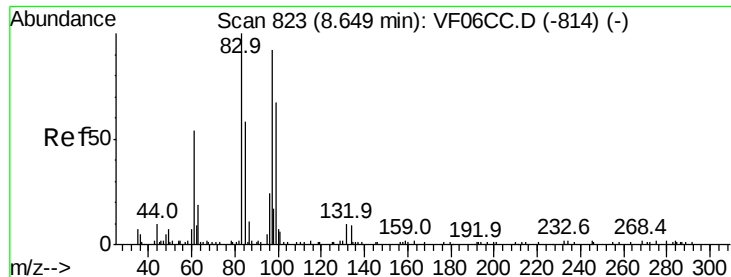
200

0

7.54 7.56 7.58 7.60

Time-->





#55

1,1,2-Trichloroethane

Concen: 241.722 ug/l

RT: 8.70 min Scan# 828

Delta R.T. 0.05 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

0432-HR-12(HACKENSACK)

Tot Ion: 97 Resp: 198

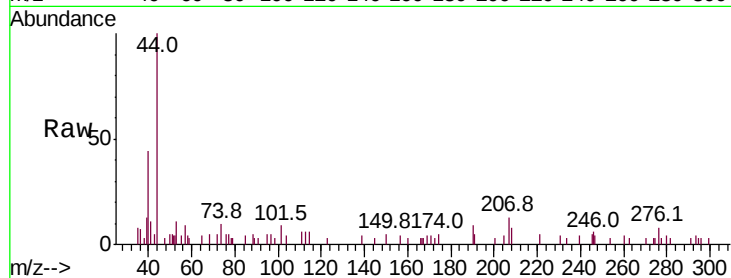
Ion Ratio Lower Upper

97 100

83 0.0 72.0 108.0#

85 78.7 47.5 71.3#

99 61.7 54.1 81.1

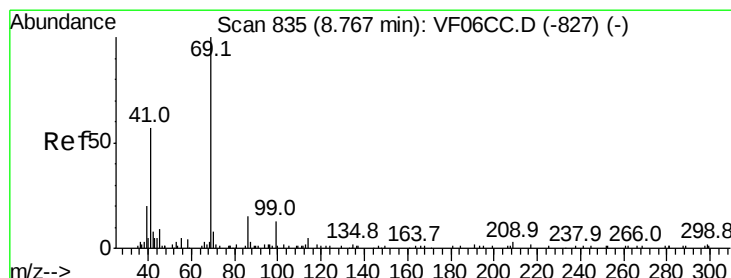
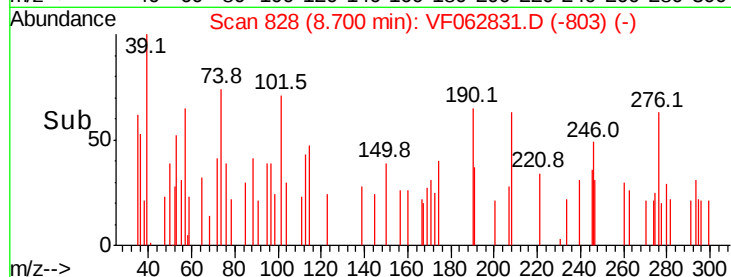
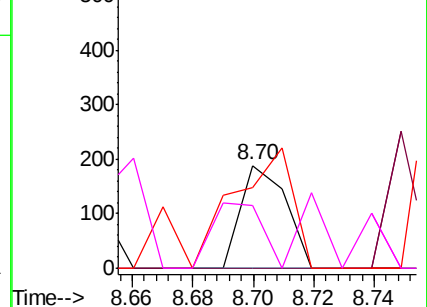


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 201.389 ug/l

RT: 8.86 min Scan# 844

Delta R.T. 0.08 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

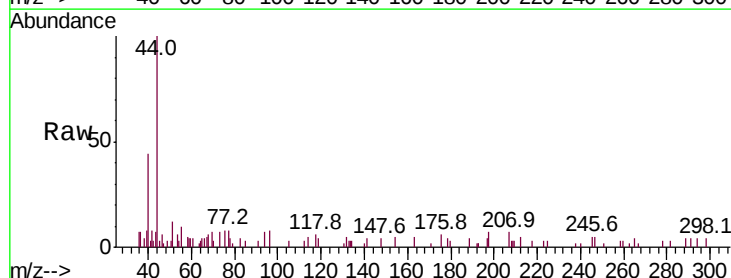
Tgt Ion: 69 Resp: 177

Ion Ratio Lower Upper

69 100

41 164.9 46.6 69.8#

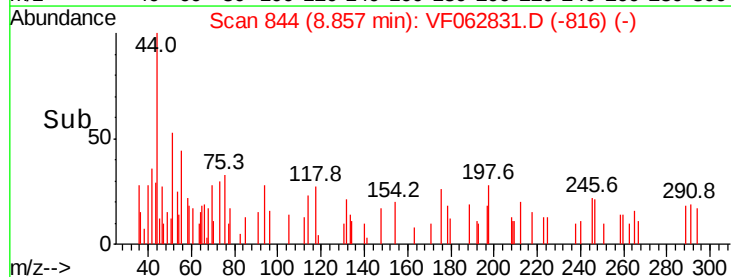
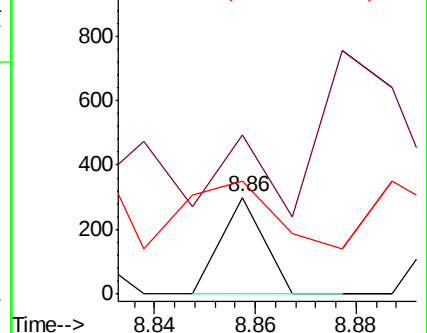
39 117.1 19.6 29.4#

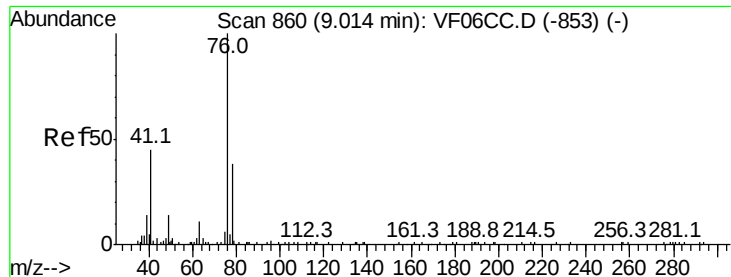


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 334.171 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.14 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

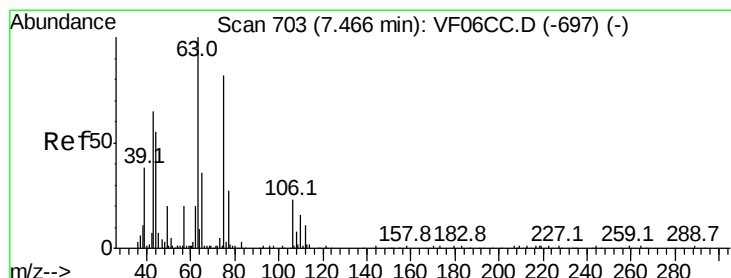
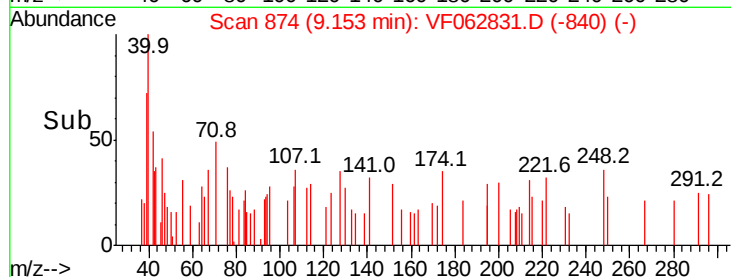
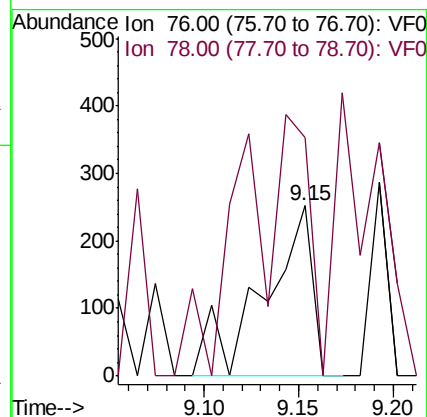
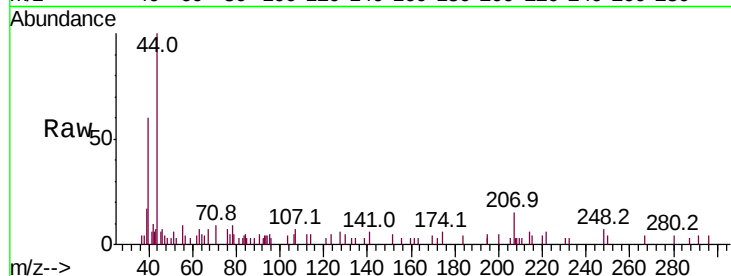
0432-HR-12(HACKENSACK)

Tot Ion: 76 Resp: 447

Ion Ratio Lower Upper

76 100

78 140.5 26.8 40.2#



#58

2-Chloroethyl Vinyl ether

Concen: 413.459 ug/l

RT: 7.54 min Scan# 710

Delta R.T. 0.07 min

Lab File: VF062831.D

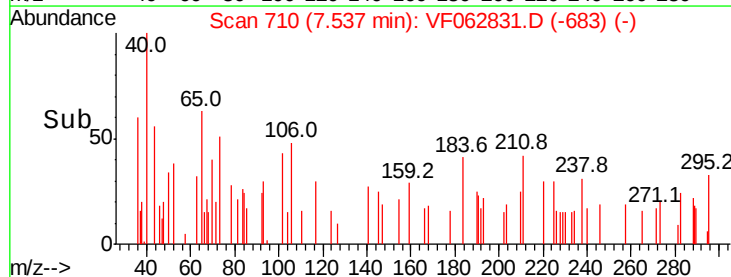
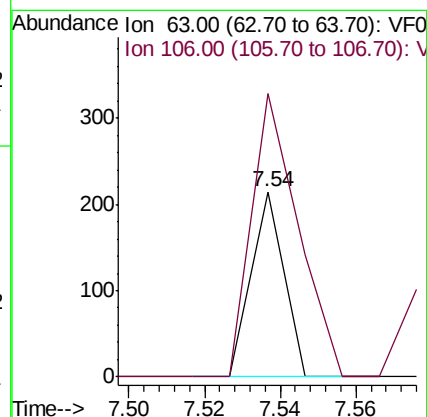
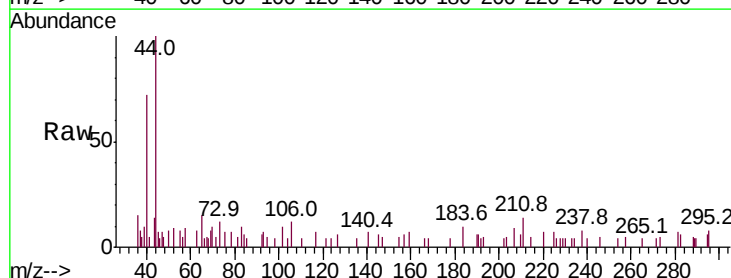
Acq: 3 Jun 2019 16:20

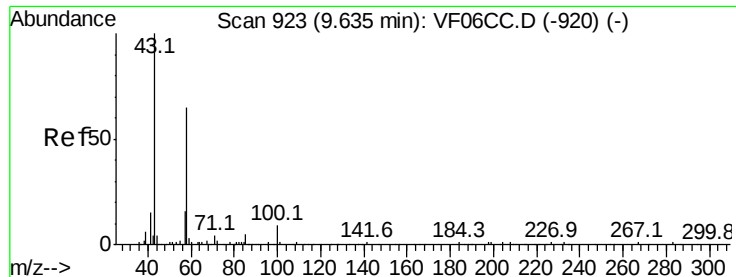
Tgt Ion: 63 Resp: 127

Ion Ratio Lower Upper

63 100

106 152.6 19.5 29.3#

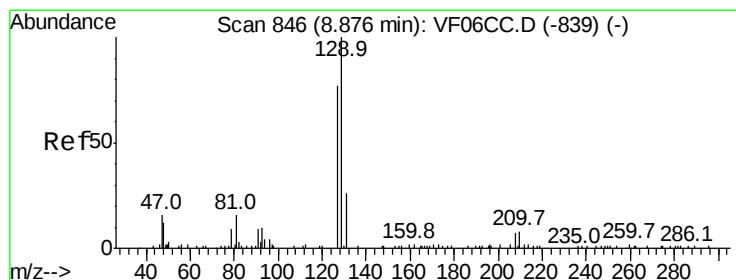
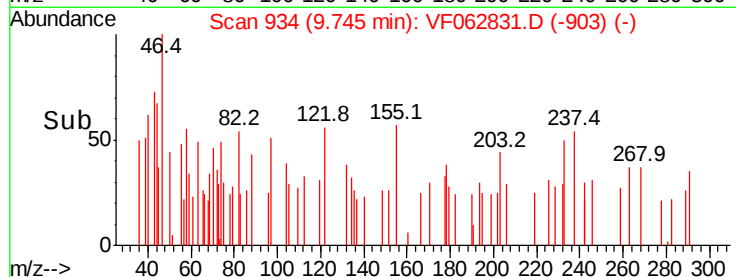
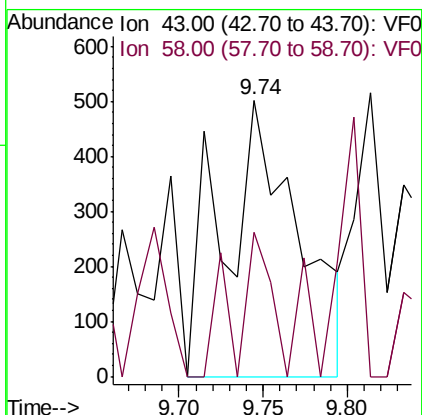
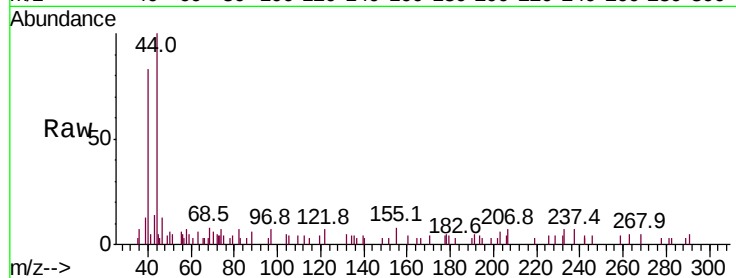




#59
2-Hexanone
Concen: 3468.531 ug/l
RT: 9.74 min Scan# 934
Delta R.T. 0.11 min
Lab File: VF062831.D
Acq: 3 Jun 2019 16:20

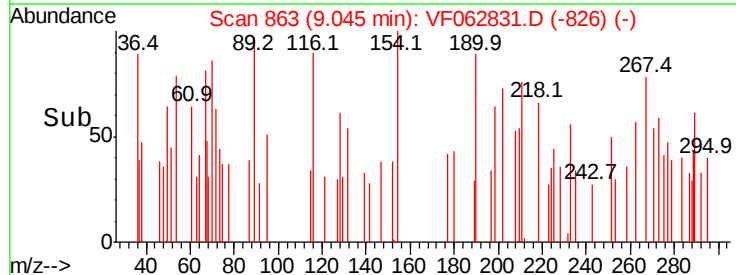
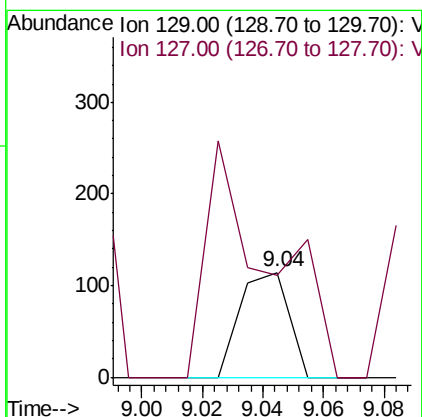
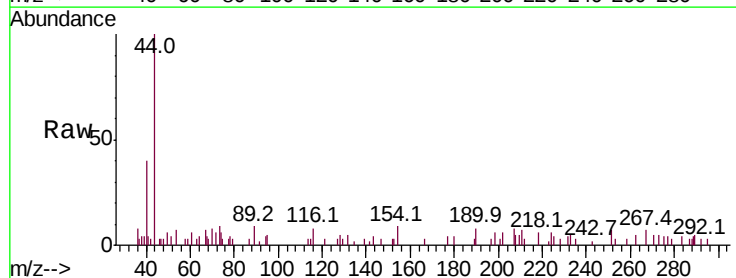
Instrument :
MSVOA_F
ClientSampleId :
0432-HR-12(HACKENSACK)

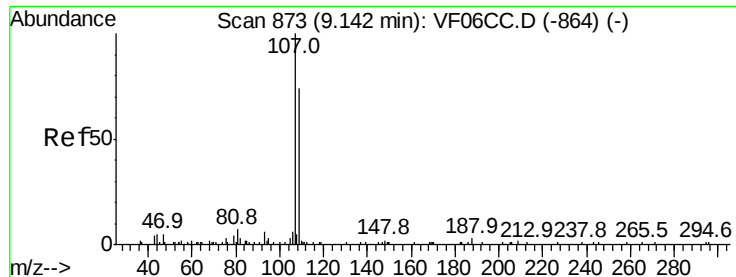
Tot Ion: 43 Resp: 1559
Ion Ratio Lower Upper
43 100
58 52.0 29.3 87.9



#60
Dibromochloromethane
Concen: 126.217 ug/l
RT: 9.04 min Scan# 863
Delta R.T. 0.17 min
Lab File: VF062831.D
Acq: 3 Jun 2019 16:20

Tgt Ion: 129 Resp: 128
Ion Ratio Lower Upper
129 100
127 97.4 37.1 111.3





#61

1,2-Dibromoethane

Concen: 119.900 ug/l

RT: 9.25 min Scan# 884

Delta R.T. 0.10 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

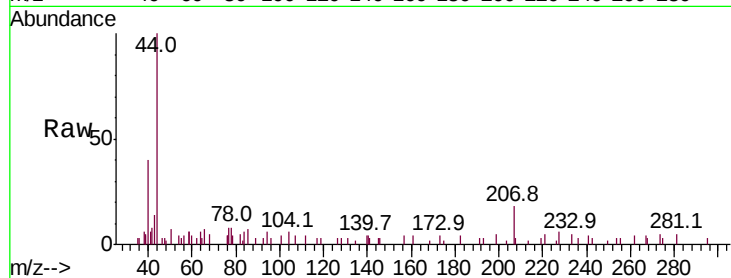
0432-HR-12(HACKENSACK)

Tot Ion: 107 Resp: 102

Ion Ratio Lower Upper

107 100

109 0.0 78.1 117.1#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.25

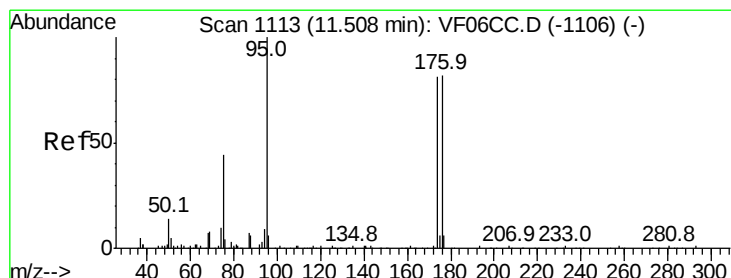
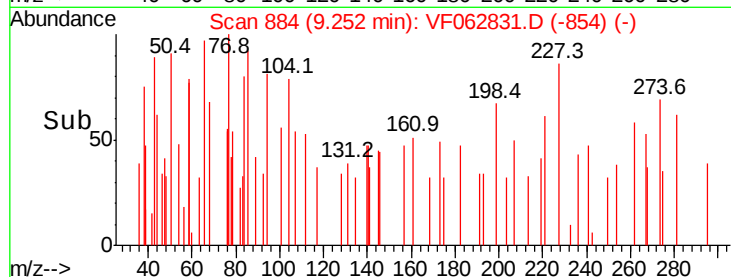
150

100

50

0

Time--> 9.22 9.24 9.26



#62

4-Bromofluorobenzene

Concen: 47.474 ug/l

RT: 11.63 min Scan# 1125

Delta R.T. 0.12 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

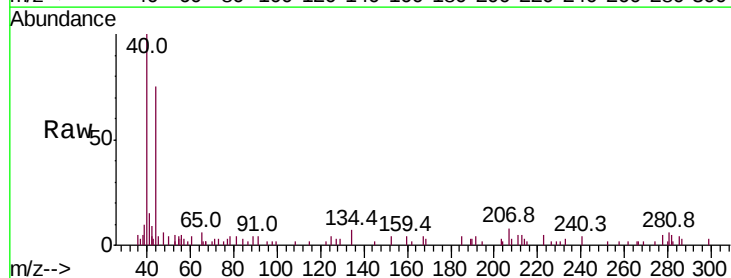
Tgt Ion: 95 Resp: 62

Ion Ratio Lower Upper

95 100

174 0.0 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

250

200

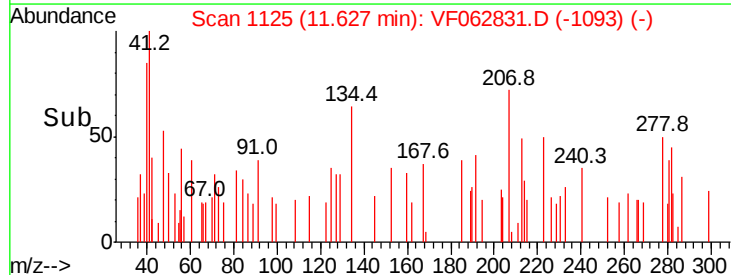
150

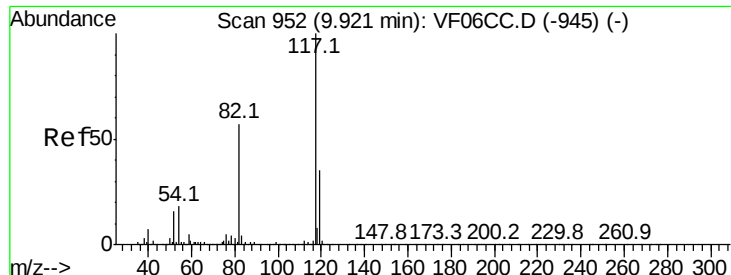
100

50

0

Time--> 11.62 11.64

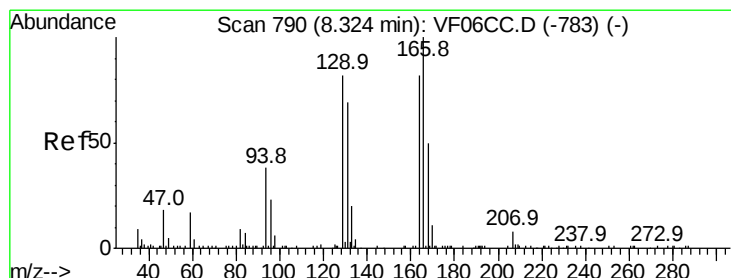
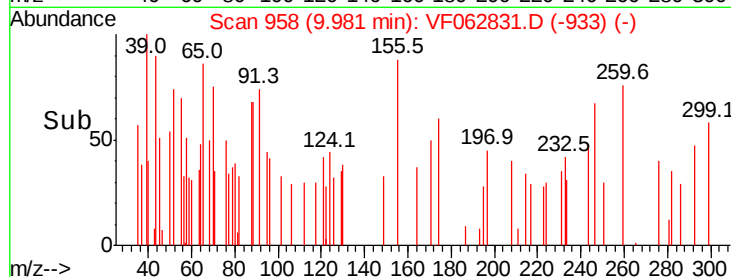
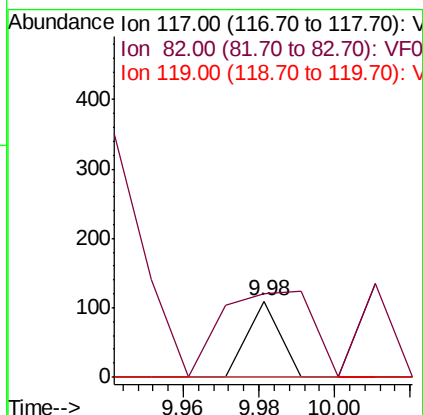
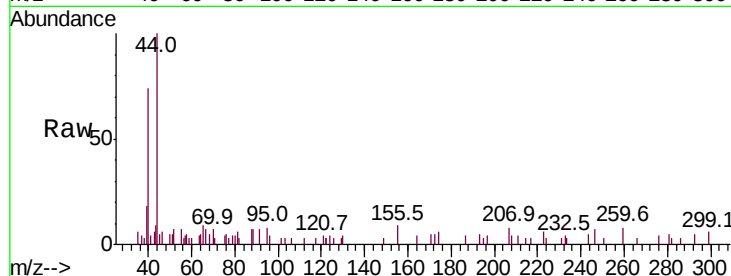




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.98 min Scan# 958
Delta R.T. 0.05 min
Lab File: VF062831.D
Acq: 3 Jun 2019 16:20

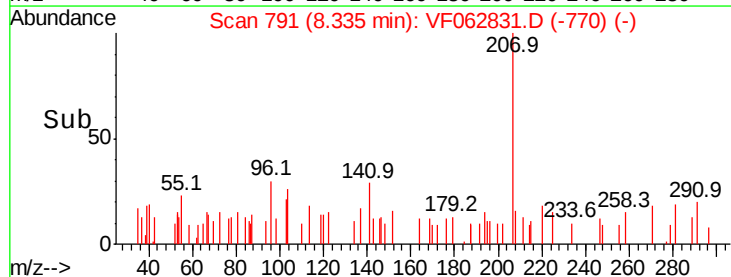
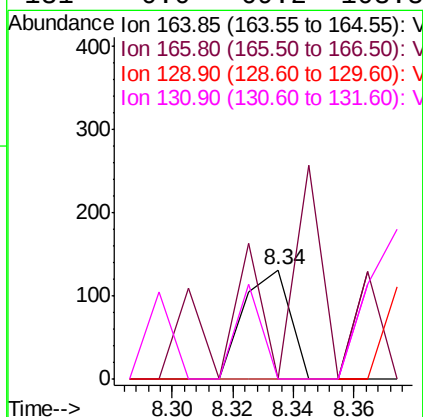
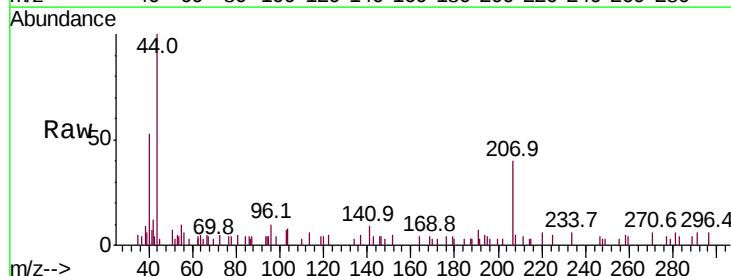
Instrument :
MSVOA_F
ClientSampleId :
0432-HR-12(HACKENSACK)

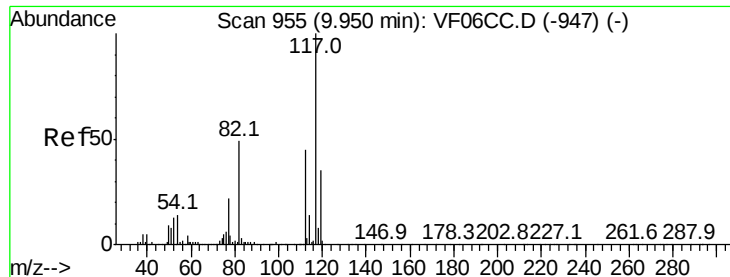
Tot Ion:117 Resp: 64
Ion Ratio Lower Upper
117 100
82 110.1 42.4 63.6#
119 0.0 27.1 40.7#



#64
Tetrachloroethene
Concen: 284.668 ug/l
RT: 8.34 min Scan# 791
Delta R.T. 0.01 min
Lab File: VF062831.D
Acq: 3 Jun 2019 16:20

Tgt Ion:164 Resp: 140
Ion Ratio Lower Upper
164 100
166 0.0 99.1 148.7#
129 0.0 69.5 104.3#
131 0.0 69.2 103.8#





#65

Chlorobenzene

Concen: 67.155 ug/l

RT: 9.95 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

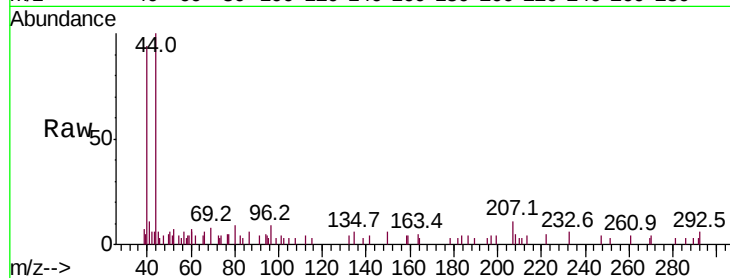
0432-HR-12(HACKENSACK)

Tot Ion:112 Resp: 83

Ion Ratio Lower Upper

112 100

114 0.0 27.4 41.0#



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.95

150

100

50

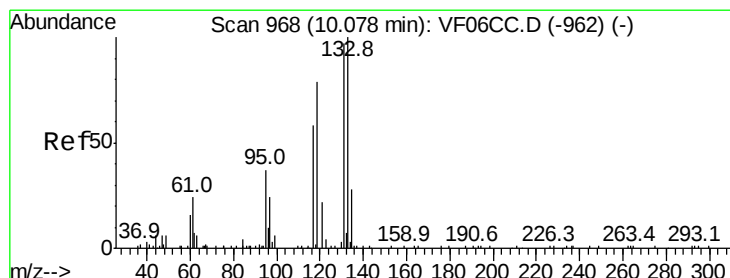
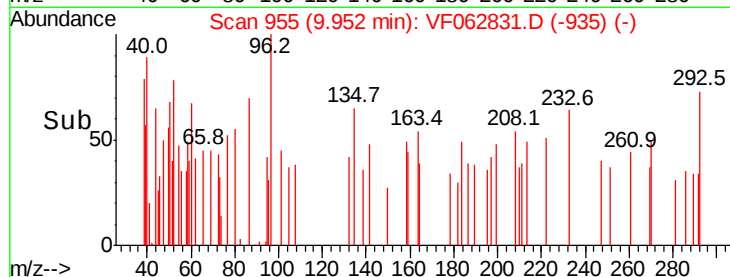
0

9.92

9.94

9.96

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 300.677 ug/l

RT: 10.11 min Scan# 971

Delta R.T. 0.03 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

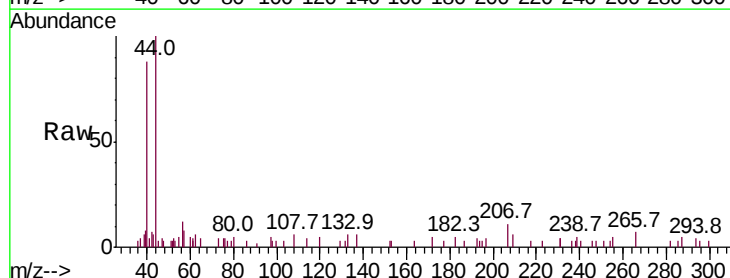
Tgt Ion:131 Resp: 148

Ion Ratio Lower Upper

131 100

133 183.7 48.9 146.7#

119 0.0 38.0 114.0#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

600

400

200

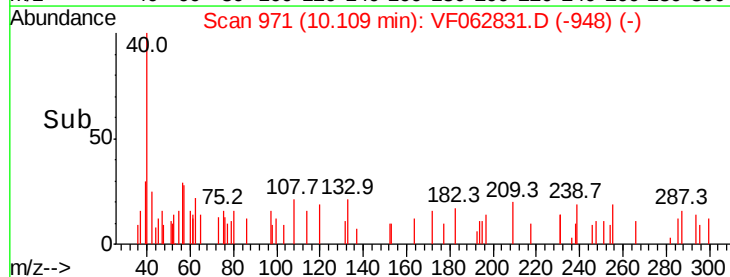
0

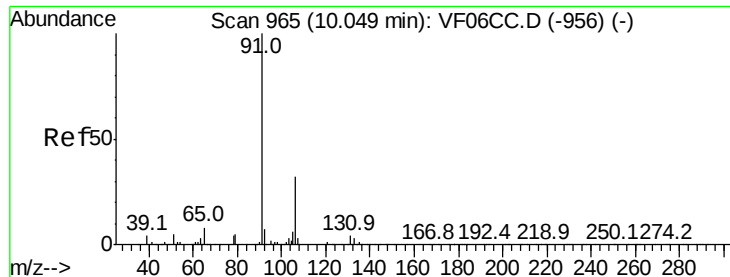
10.10

10.11

10.15

Time-->





#67

Ethyl Benzene

Concen: 161.251 ug/l

RT: 10.10 min Scan# 970

Delta R.T. 0.05 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

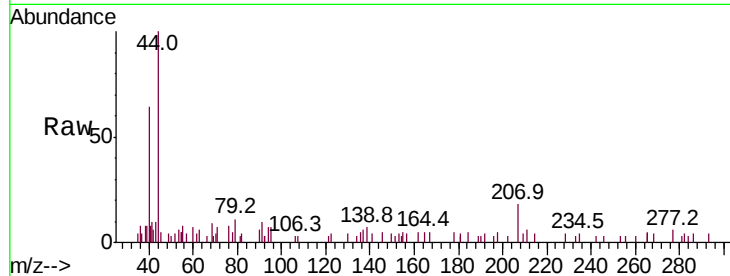
0432-HR-12(HACKENSACK)

Tot Ion: 91 Resp: 342

Ion Ratio Lower Upper

91 100

106 32.4 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

10.10

400

300

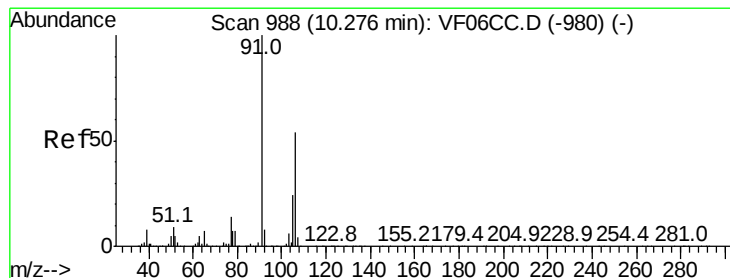
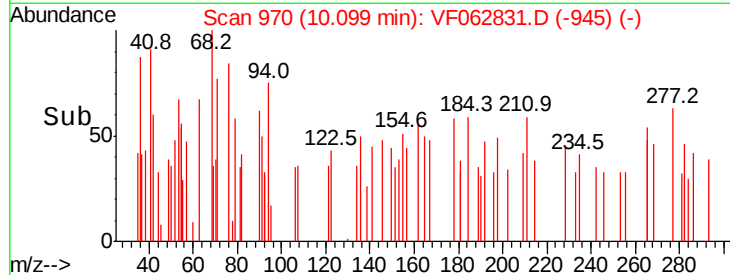
200

100

0

10.08 10.10 10.12 10.14

Time-->



#68

m/p-Xylenes

Concen: 255.051 ug/l

RT: 10.23 min Scan# 983

Delta R.T. -0.05 min

Lab File: VF062831.D

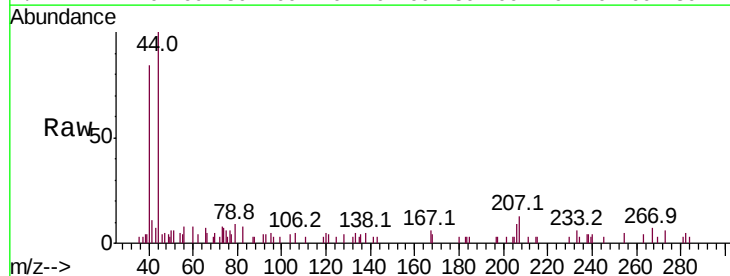
Acq: 3 Jun 2019 16:20

Tgt Ion: 106 Resp: 207

Ion Ratio Lower Upper

106 100

91 79.9 136.2 204.4#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

10.23

250

200

150

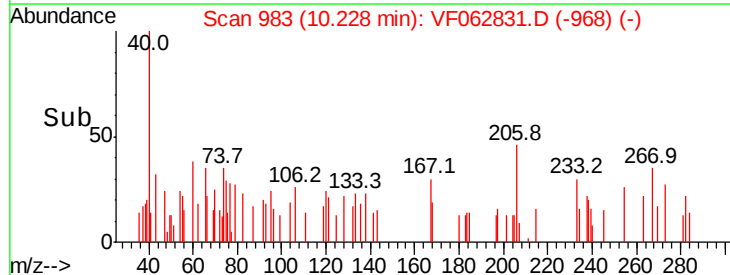
100

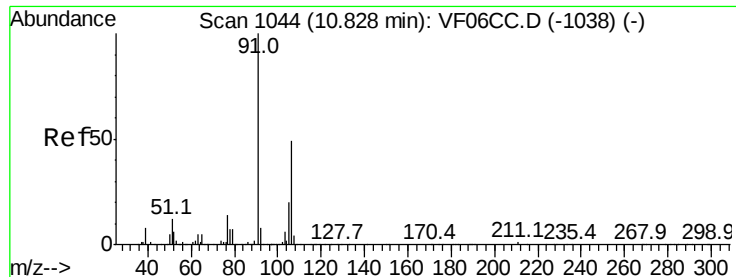
50

0

10.20 10.22 10.24 10.26

Time-->

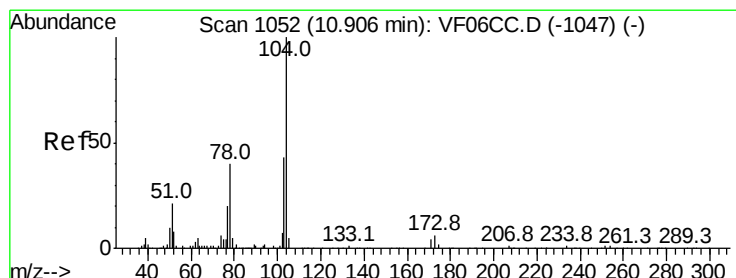
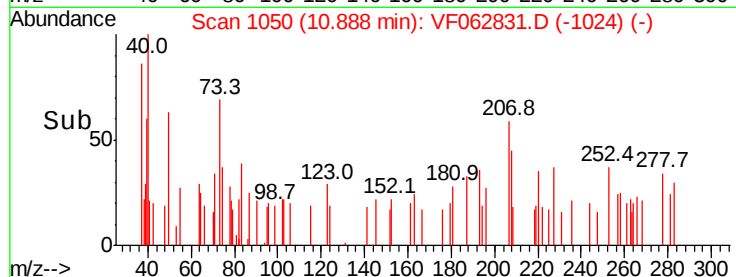
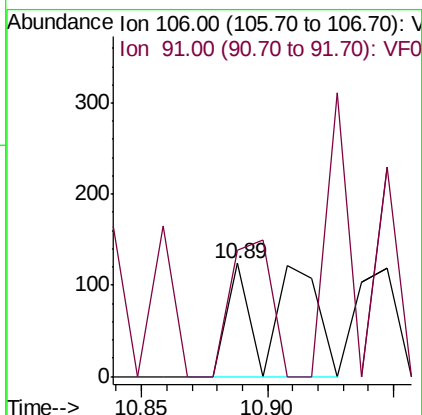
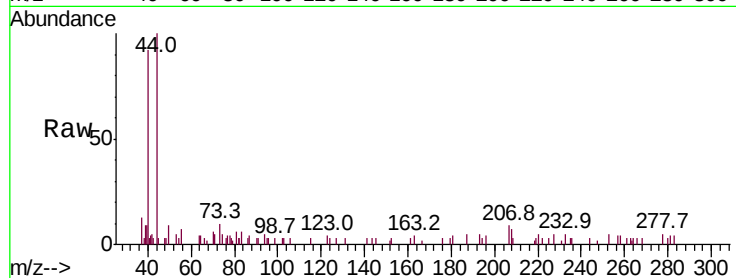




#69
o-Xylene
Concen: 253.128 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. 0.06 min
Lab File: VF062831.D
Acq: 3 Jun 2019 16:20

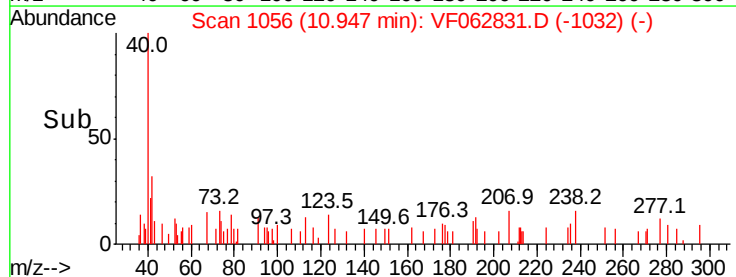
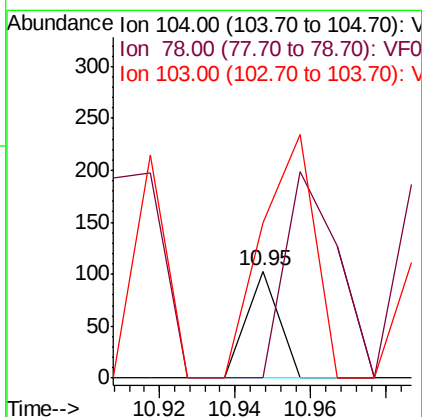
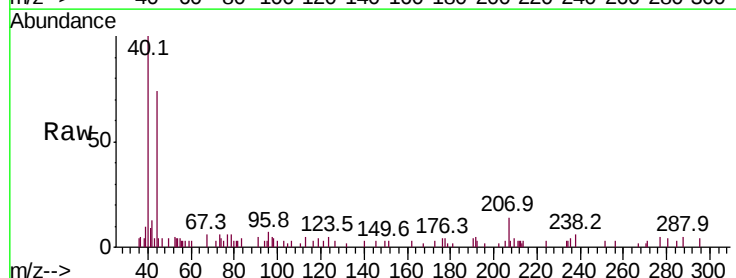
Instrument :
MSVOA_F
ClientSampleId :
0432-HR-12(HACKENSACK)

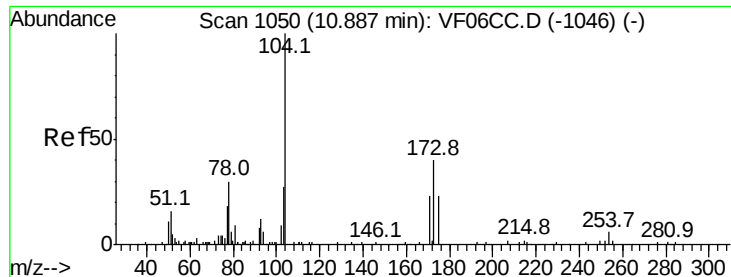
Tot Ion:106 Resp: 208
Ion Ratio Lower Upper
106 100
91 112.1 96.6 289.8



#70
Styrene
Concen: 50.365 ug/l
RT: 10.95 min Scan# 1056
Delta R.T. 0.04 min
Lab File: VF062831.D
Acq: 3 Jun 2019 16:20

Tgt Ion:104 Resp: 61
Ion Ratio Lower Upper
104 100
78 0.0 30.8 46.2#
103 144.7 35.8 53.6#





#71

Bromoform

Concen: 359.974 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.02 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

0432-HR-12(HACKENSACK)

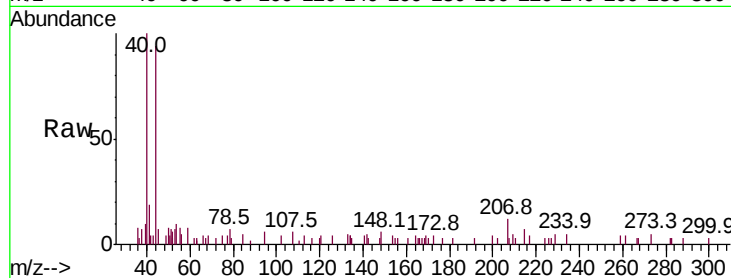
Tot Ion:173 Resp: 85

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

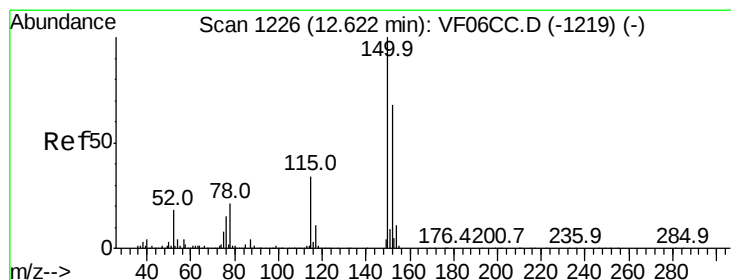
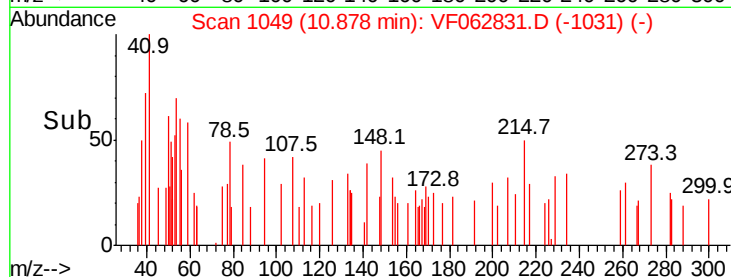
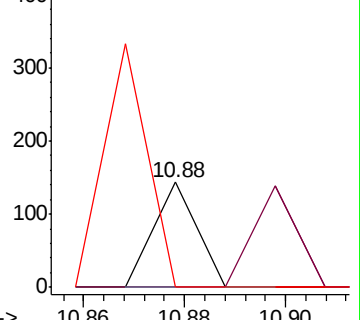
254 0.0 0.1 0.1#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

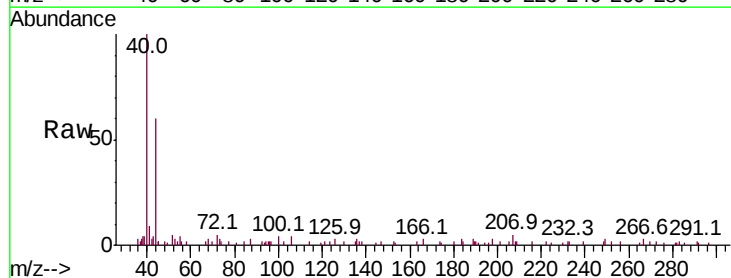
Tgt Ion:152 Resp: 150

Ion Ratio Lower Upper

152 100

115 0.0 24.6 74.0#

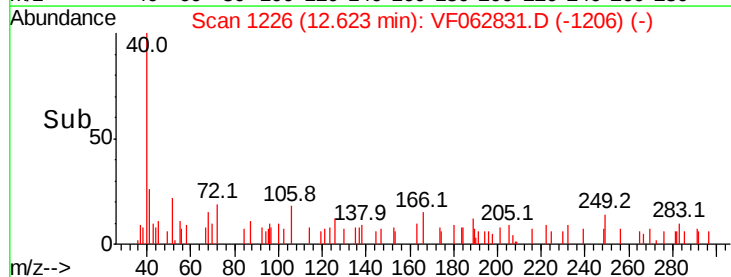
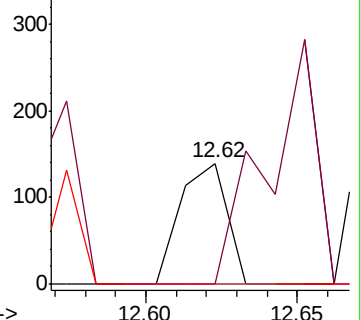
150 0.0 0.0 290.6

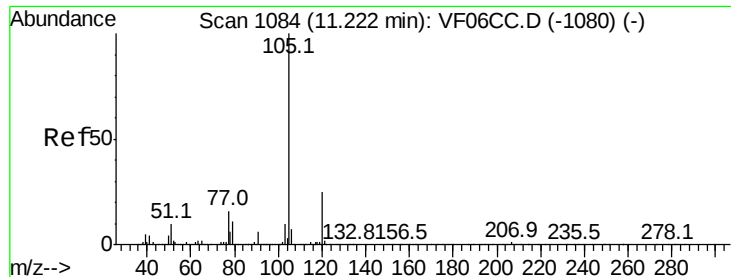


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 50.830 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.02 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

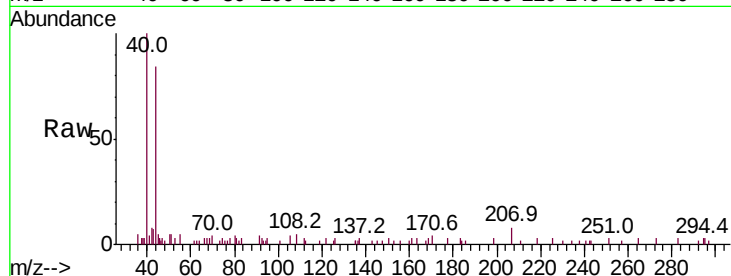
0432-HR-12(HACKENSACK)

Tot Ion:105 Resp: 532

Ion Ratio Lower Upper

105 100

120 0.0 15.1 45.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400

300

200

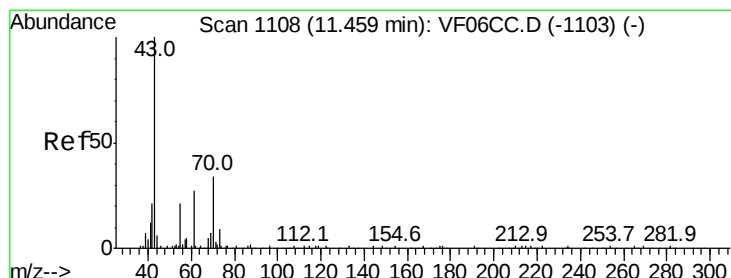
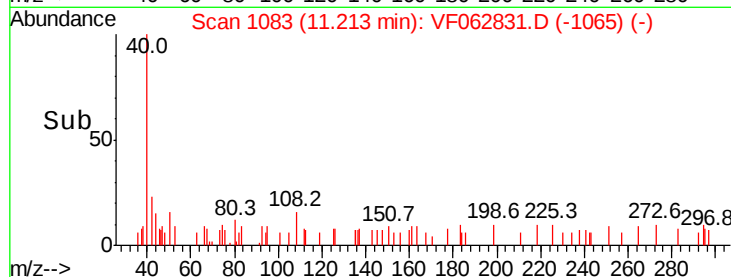
100

0

11.15 11.20

11.21

Time-->



#74

N-ethyl acetate

Concen: 407.813 ug/l

RT: 11.42 min Scan# 1104

Delta R.T. -0.04 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Tgt Ion: 43 Resp: 1203

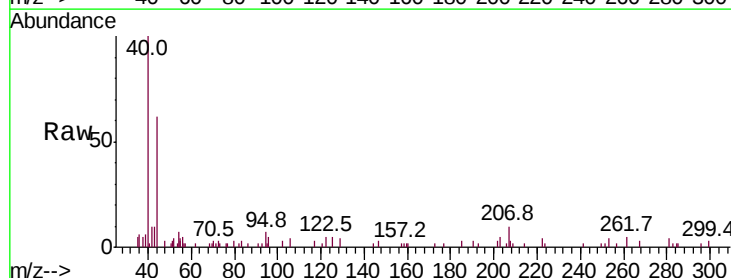
Ion Ratio Lower Upper

43 100

70 26.6 32.9 49.3#

55 68.8 17.3 25.9#

61 17.7 23.7 35.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

800

600

400

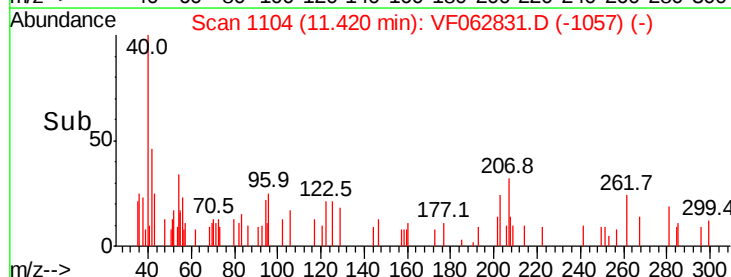
200

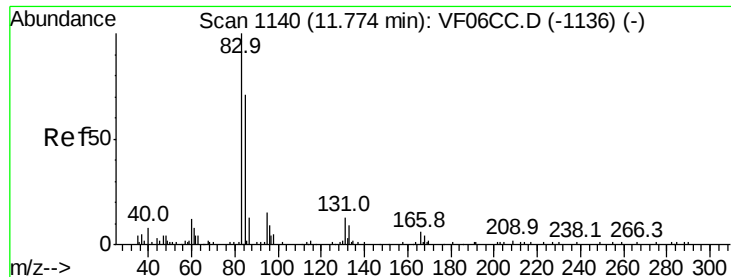
0

11.40 11.45

11.42

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 74.269 ug/l

RT: 11.78 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

0432-HR-12(HACKENSACK)

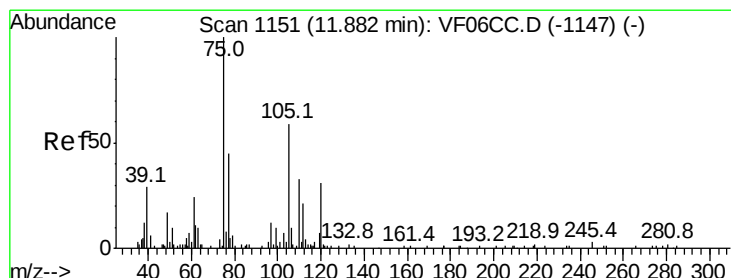
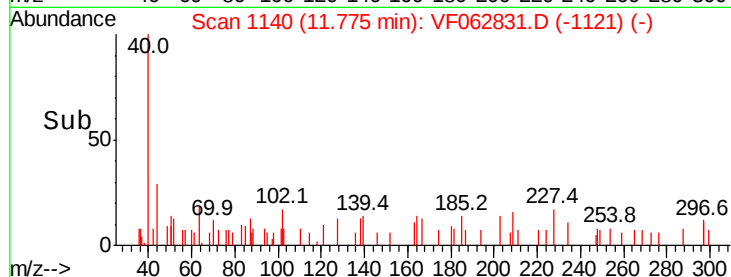
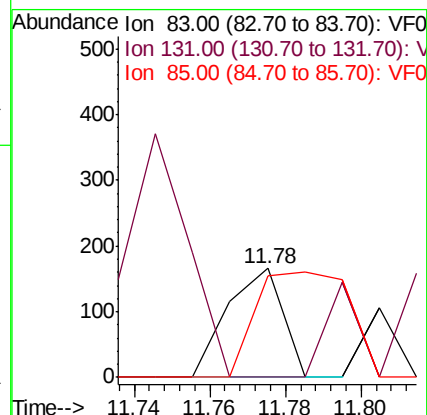
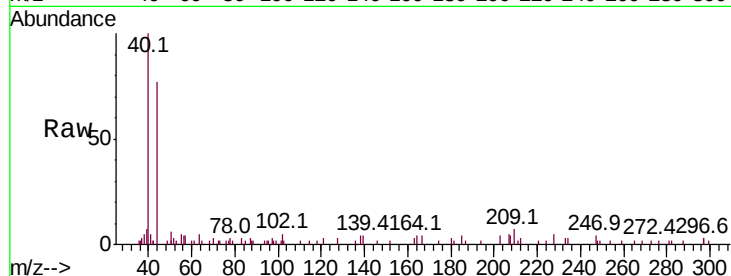
Tot Ion: 83 Resp: 166

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 92.8 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 442.775 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.09 min

Lab File: VF062831.D

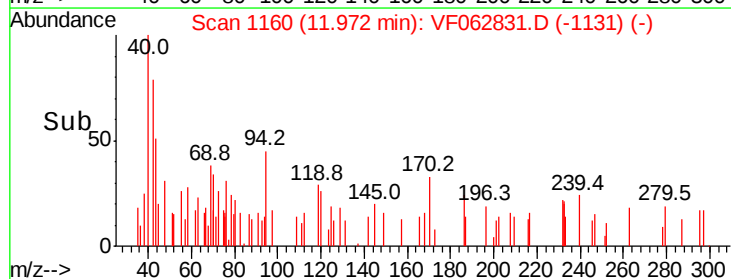
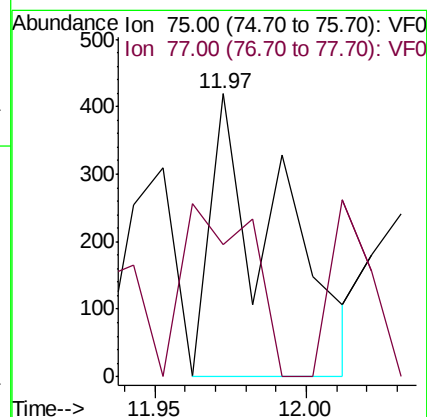
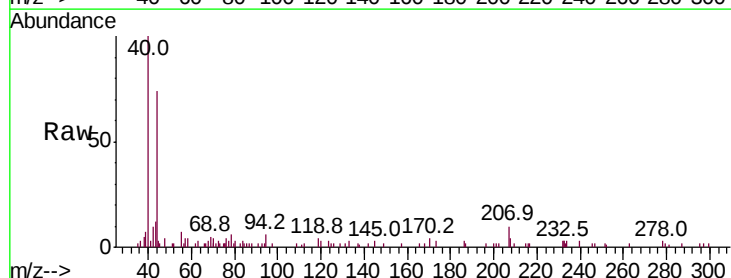
Acq: 3 Jun 2019 16:20

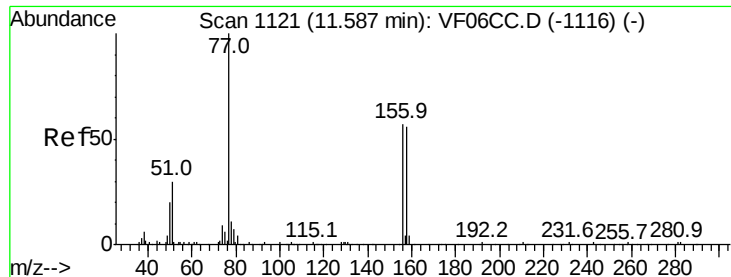
Tgt Ion: 75 Resp: 656

Ion Ratio Lower Upper

75 100

77 46.8 20.1 60.2





#77

Bromobenzene

Concen: 72.630 ug/l

RT: 11.56 min Scan# 1118

Delta R.T. -0.04 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

0432-HR-12(HACKENSACK)

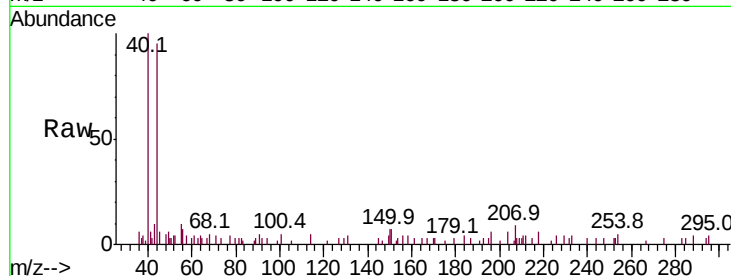
Tot Ion:156 Resp: 191

Ion Ratio Lower Upper

156 100

77 105.1 64.2 192.6

158 92.9 50.3 151.0



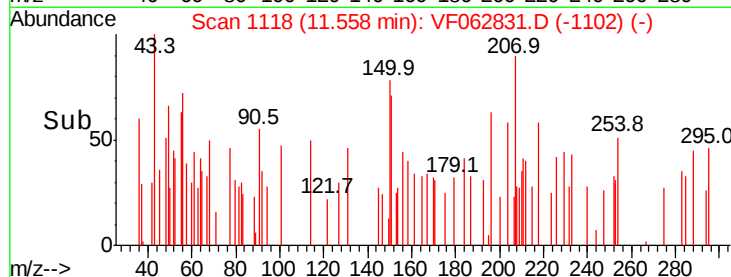
Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

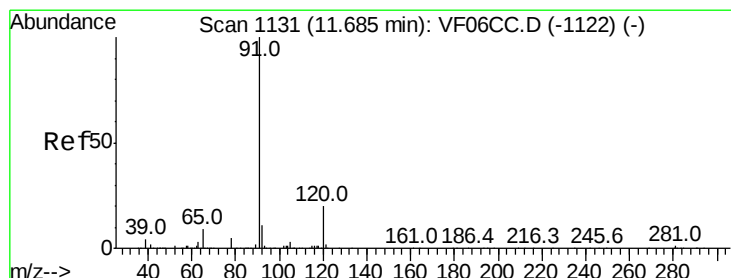
Ion 158.00 (157.70 to 158.70): V

Time-->

11.55



Time-->



#78

n-propylbenzene

Concen: 44.629 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.15 min

Lab File: VF062831.D

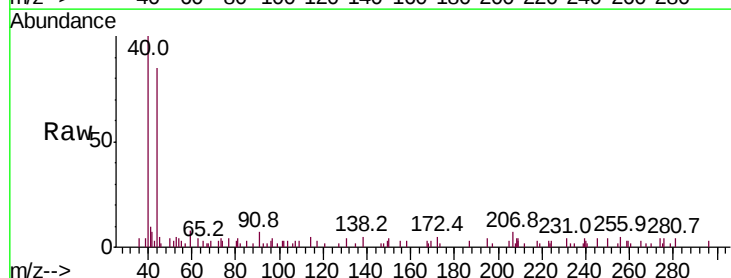
Acq: 3 Jun 2019 16:20

Tgt Ion: 91 Resp: 564

Ion Ratio Lower Upper

91 100

120 35.0 12.8 38.4



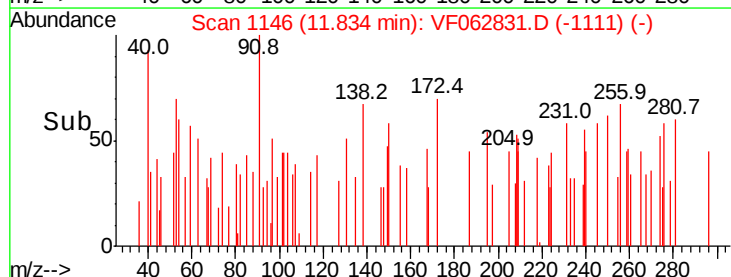
Abundance Ion 91.00 (90.70 to 91.70): VF0

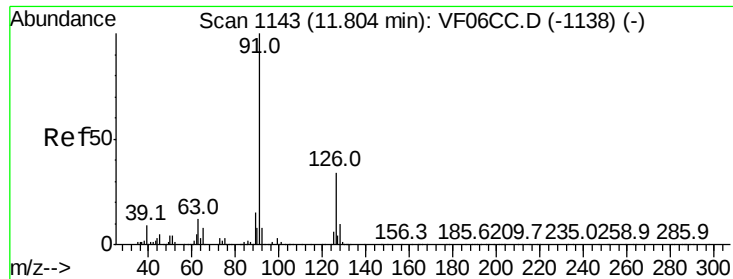
Ion 120.00 (119.70 to 120.70): V

Time-->

11.80

11.85

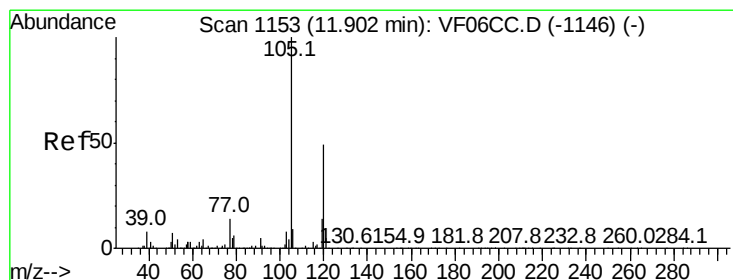
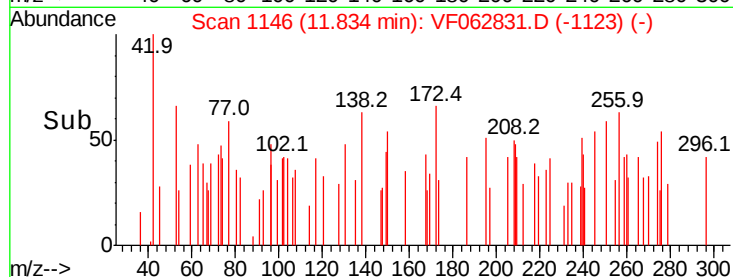
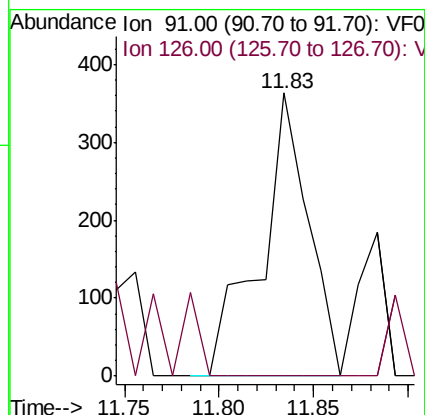
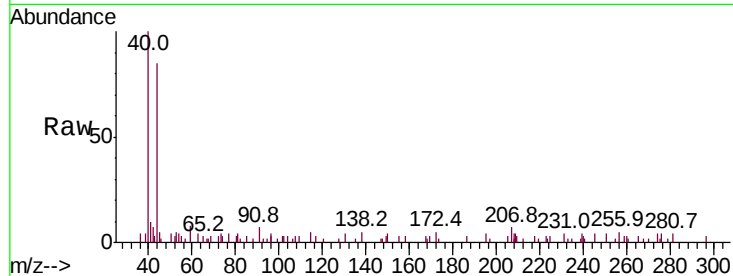




#79
2-Chlorotoluene
Concen: 89.060 ug/l
RT: 11.83 min Scan# 1146
Delta R.T. 0.03 min
Lab File: VF062831.D
Acq: 3 Jun 2019 16:20

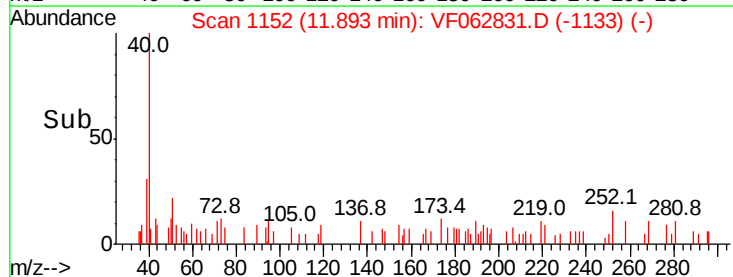
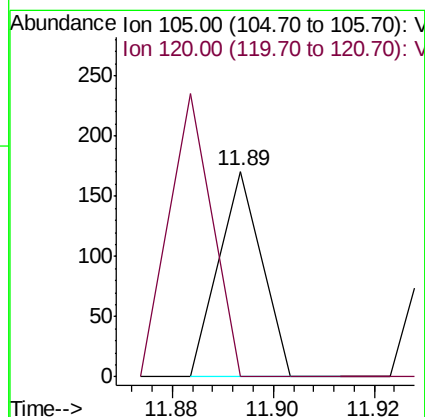
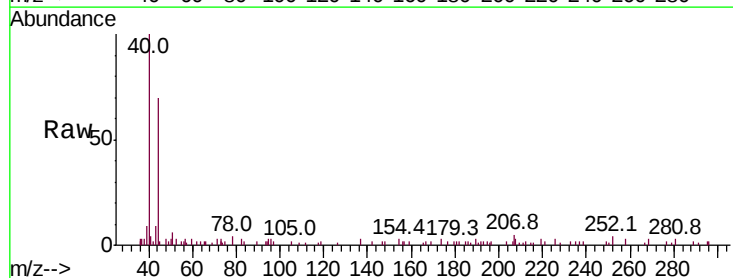
Instrument :
MSVOA_F
ClientSampleId :
0432-HR-12(HACKENSACK)

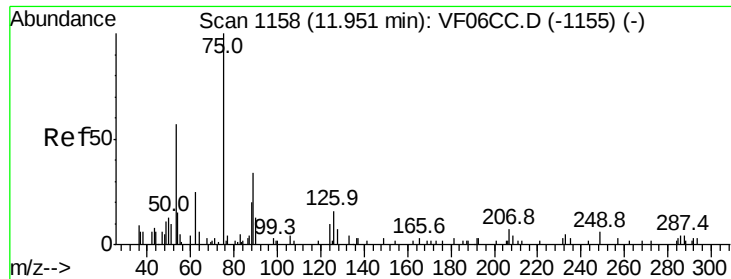
Tot Ion: 91 Resp: 644
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.3#



#80
1,3,5-Trimethylbenzene
Concen: 11.800 ug/l
RT: 11.89 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VF062831.D
Acq: 3 Jun 2019 16:20

Tgt Ion: 105 Resp: 101
Ion Ratio Lower Upper
105 100
120 0.0 28.7 86.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 532.484 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

0432-HR-12(HACKENSACK)

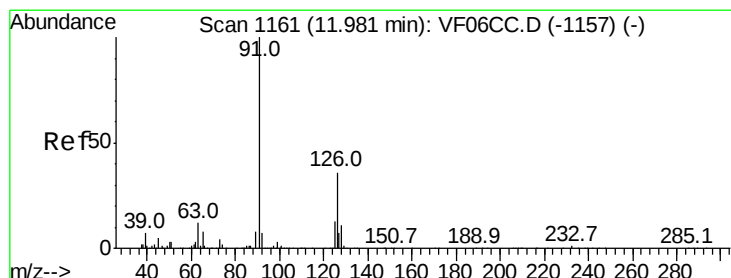
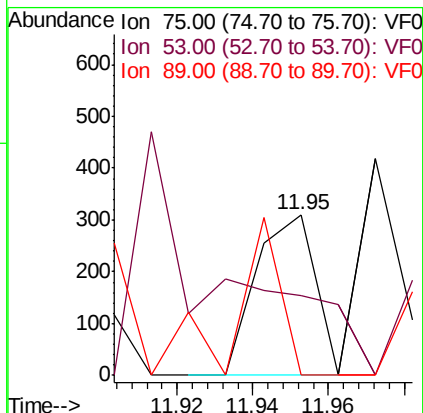
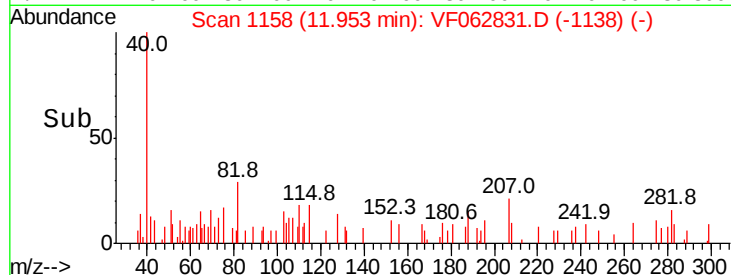
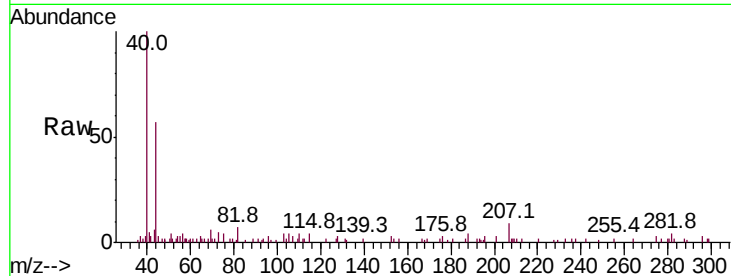
Tot Ion: 75 Resp: 334

Ion Ratio Lower Upper

75 100

53 49.4 43.5 65.3

89 0.0 34.3 51.5#



#82

4-Chlorotoluene

Concen: 50.941 ug/l

RT: 12.13 min Scan# 1176

Delta R.T. 0.15 min

Lab File: VF062831.D

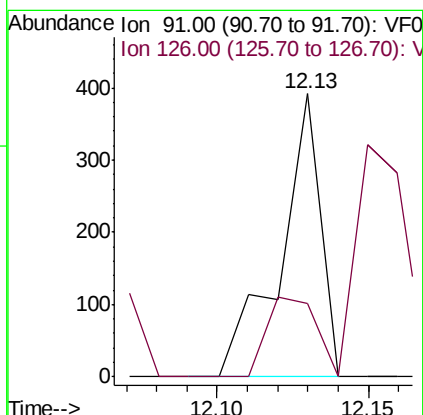
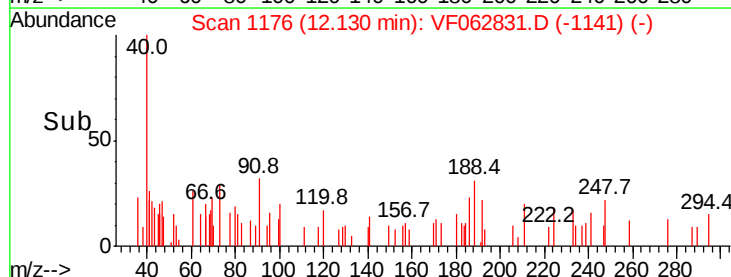
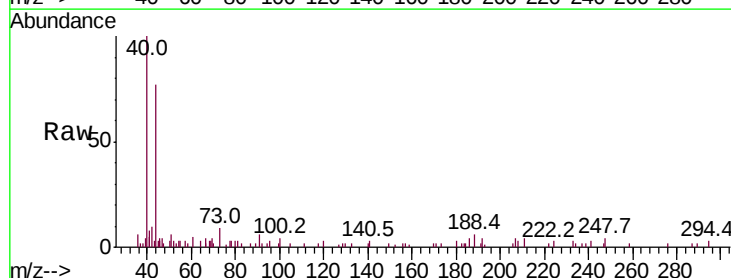
Acq: 3 Jun 2019 16:20

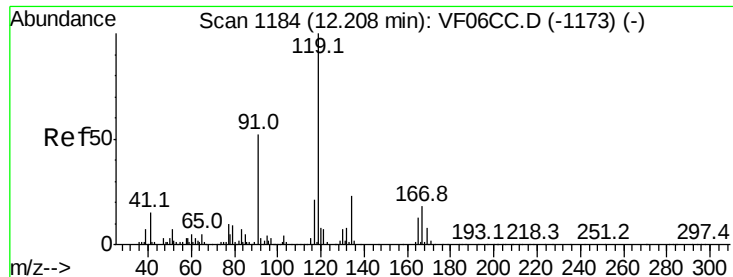
Tgt Ion: 91 Resp: 362

Ion Ratio Lower Upper

91 100

126 25.8 19.1 57.1





#83

tert-Butylbenzene

Concen: 37.377 ug/l

RT: 12.23 min Scan# 1186

Delta R.T. 0.02 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

0432-HR-12(HACKENSACK)

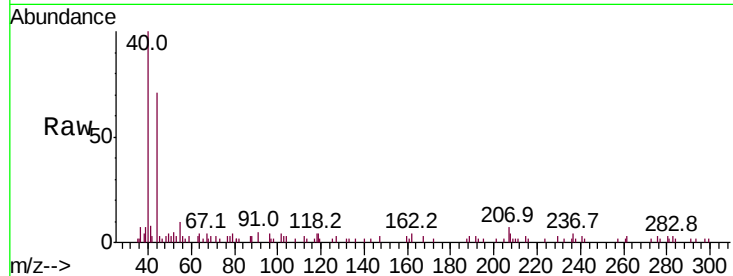
Tot Ion:119 Resp: 317

Ion Ratio Lower Upper

119 100

91 84.1 28.9 86.7

134 0.0 14.3 42.9#



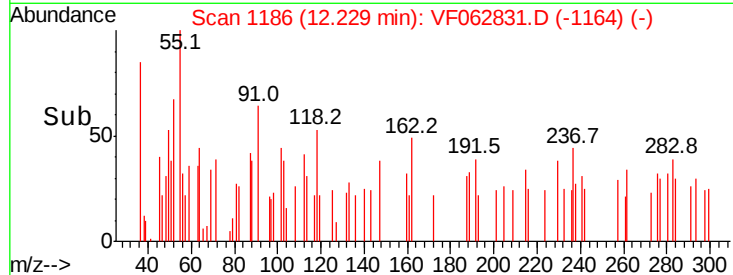
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

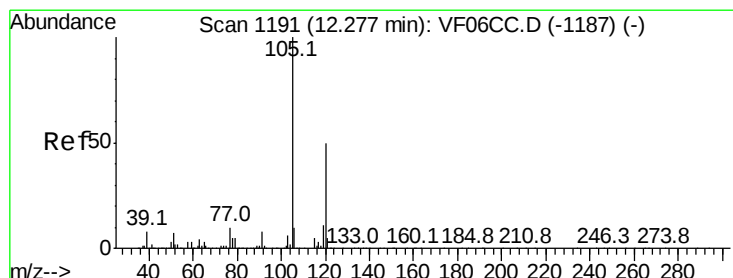
Ion 134.00 (133.70 to 134.70): V

12.23

12.25



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 8.010 ug/l

RT: 12.26 min Scan# 1189

Delta R.T. -0.02 min

Lab File: VF062831.D

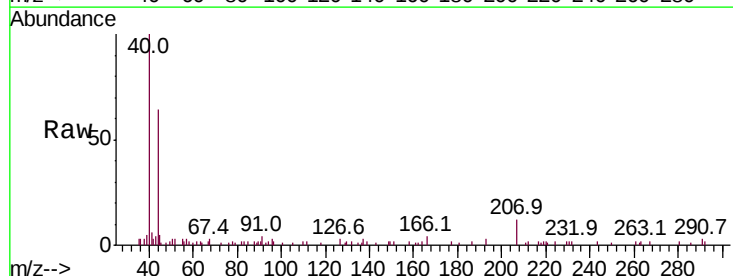
Acq: 3 Jun 2019 16:20

Tgt Ion:105 Resp: 65

Ion Ratio Lower Upper

105 100

120 0.0 27.1 81.3#

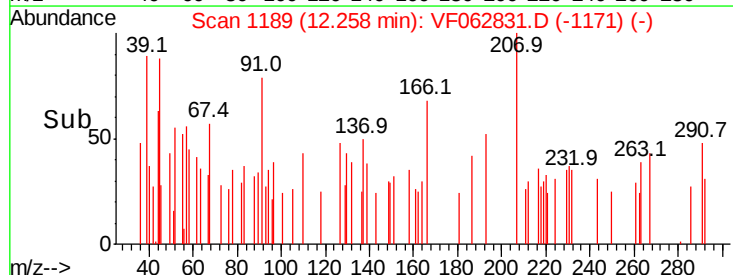


Abundance Ion 105.00 (104.70 to 105.70): V

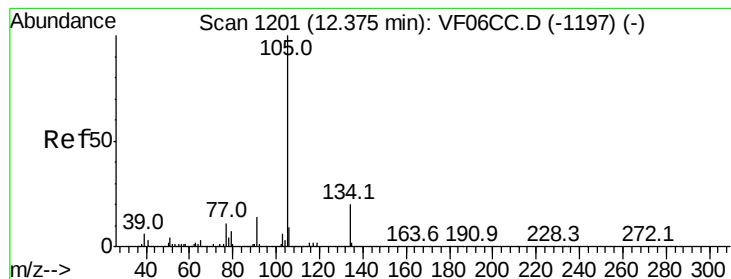
Ion 120.00 (119.70 to 120.70): V

12.26

12.28



Time-->



#85

sec-Butylbenzene

Concen: 51.272 ug/l

RT: 12.39 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

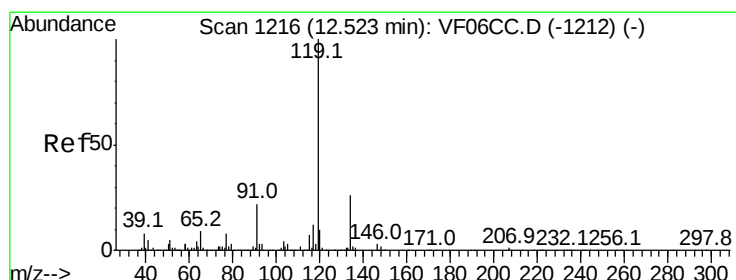
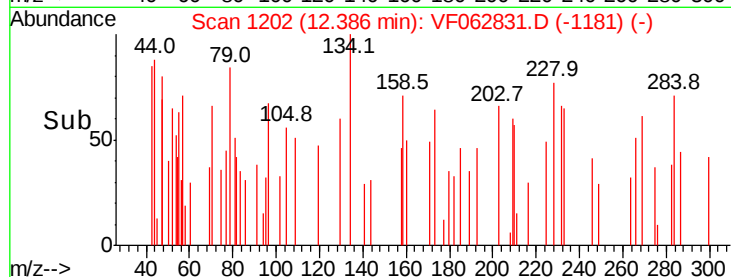
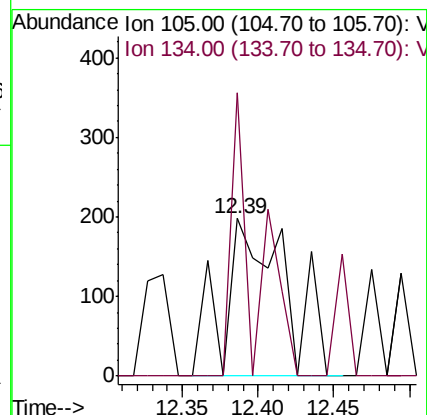
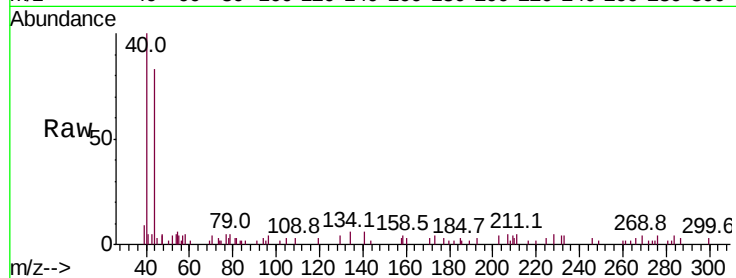
0432-HR-12(HACKENSACK)

Tot Ion:105 Resp: 573

Ion Ratio Lower Upper

105 100

134 179.8 10.5 31.6#



#86

p-Isopropyltoluene

Concen: 22.575 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

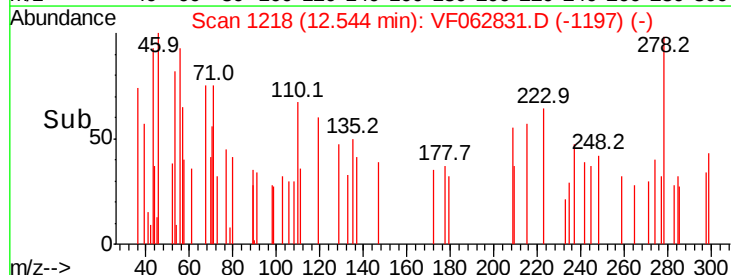
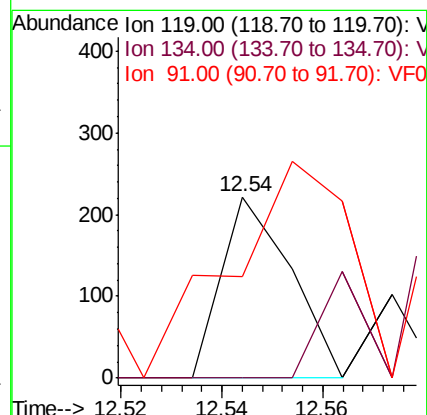
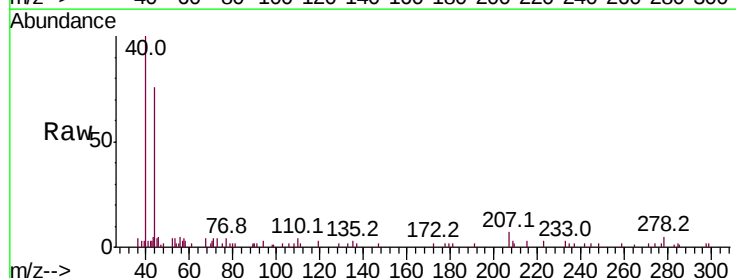
Tgt Ion:119 Resp: 210

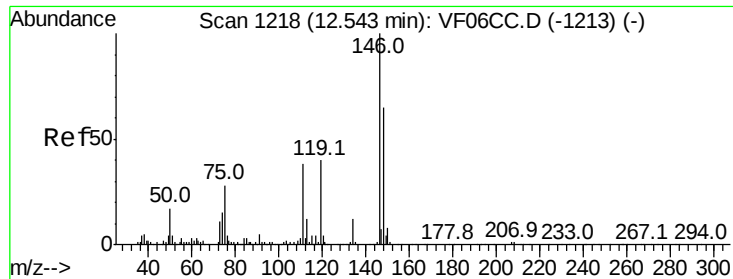
Ion Ratio Lower Upper

119 100

134 0.0 15.5 46.5#

91 55.9 10.3 30.9#





#87

1,3-Dichlorobenzene

Concen: 15.524 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

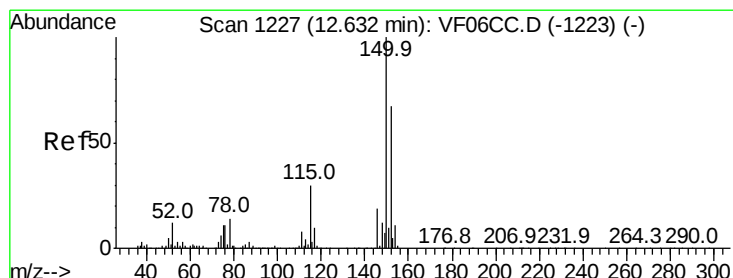
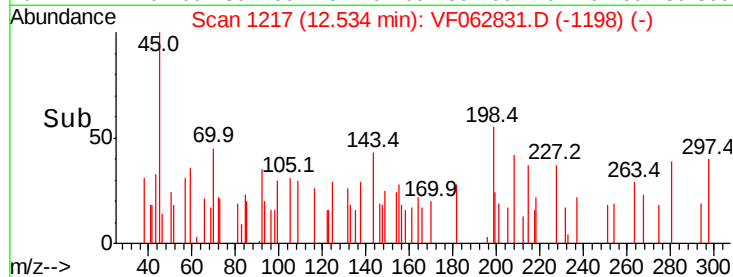
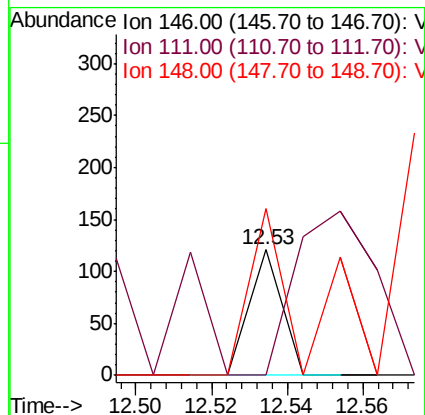
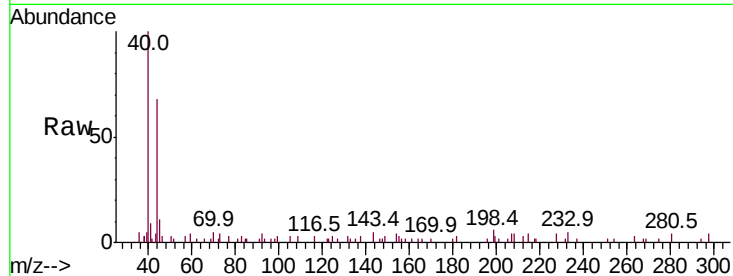
Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_F
ClientSampleId :
0432-HR-12(HACKENSACK)

Tot Ion:146 Resp: 72

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.6	58.8#
148	133.1	34.2	102.5#



#88

1,4-Dichlorobenzene

Concen: 25.183 ug/l

RT: 12.67 min Scan# 1231

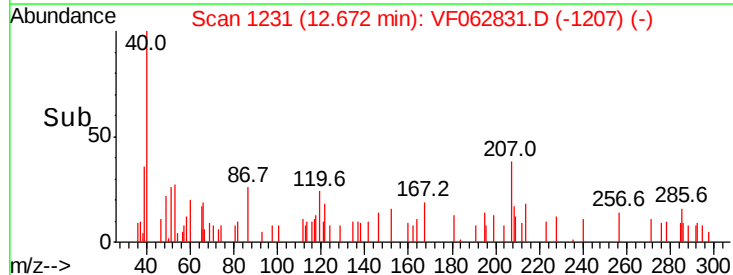
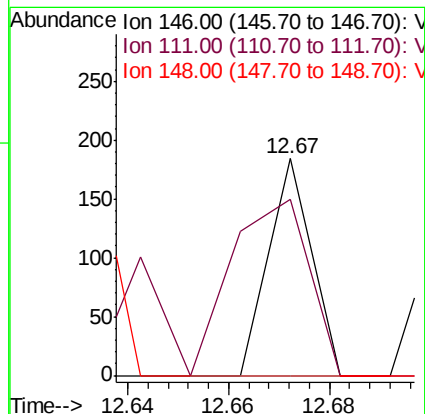
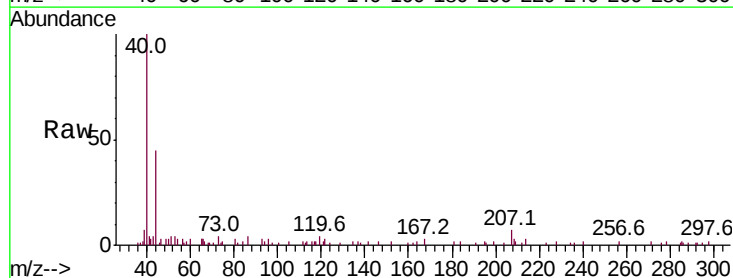
Delta R.T. 0.04 min

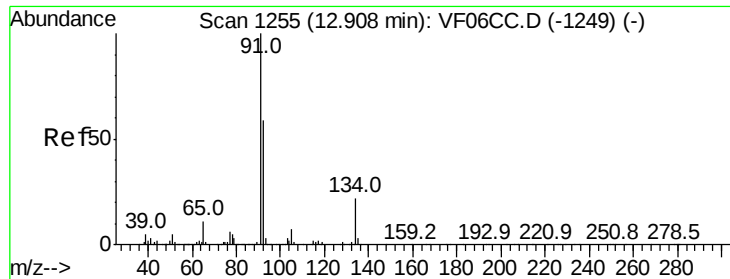
Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Tgt Ion:146 Resp: 109

Ion	Ratio	Lower	Upper
146	100		
111	81.5	20.3	60.9#
148	0.0	34.0	101.8#





#89

n-Butylbenzene

Concen: 15.496 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

0432-HR-12(HACKENSACK)

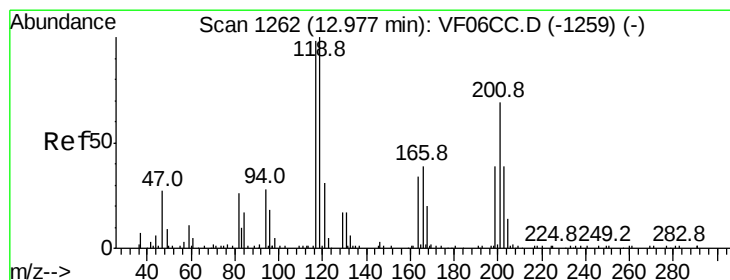
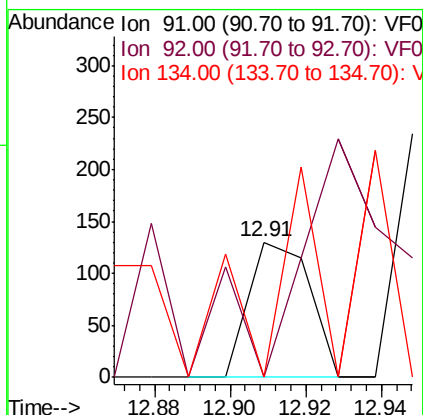
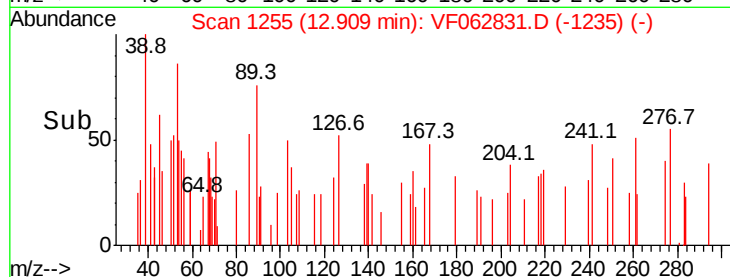
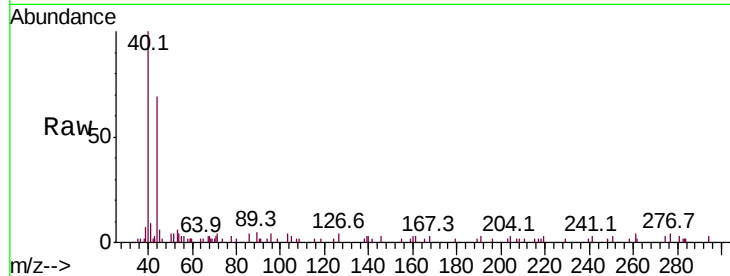
Tot Ion: 91 Resp: 145

Ion Ratio Lower Upper

91 100

92 0.0 34.2 102.6#

134 0.0 15.8 47.3#



#90

Hexachloroethane

Concen: 94.766 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. 0.02 min

Lab File: VF062831.D

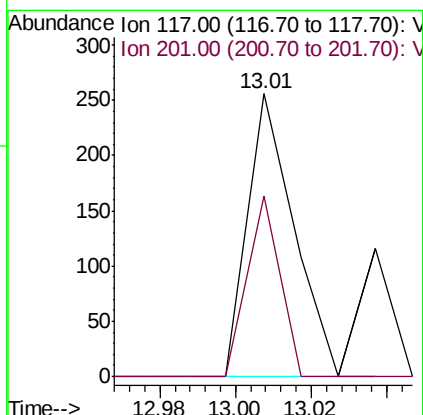
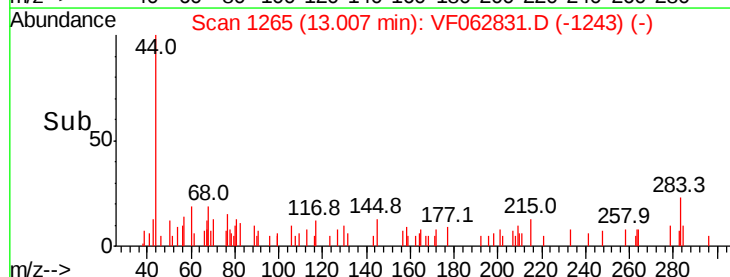
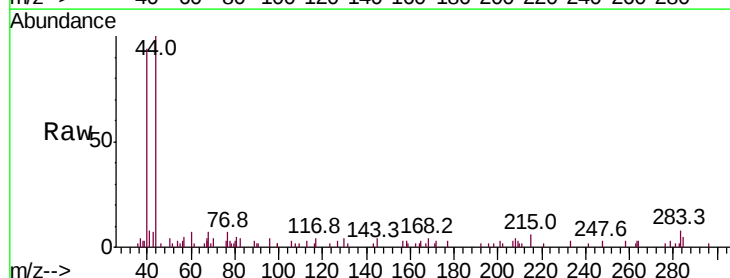
Acq: 3 Jun 2019 16:20

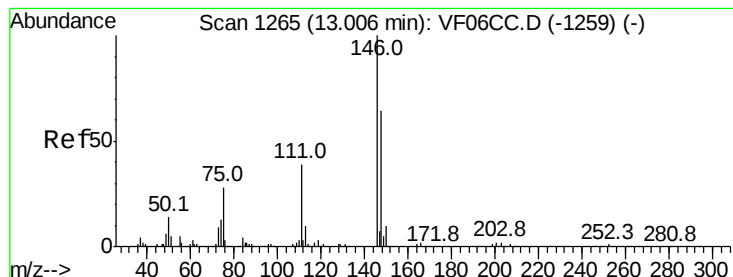
Tgt Ion: 117 Resp: 215

Ion Ratio Lower Upper

117 100

201 63.7 38.9 116.7





#91

1,2-Dichlorobenzene

Concen: 15.945 ug/l

RT: 13.06 min Scan# 1270

Delta R.T. 0.05 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

0432-HR-12(HACKENSACK)

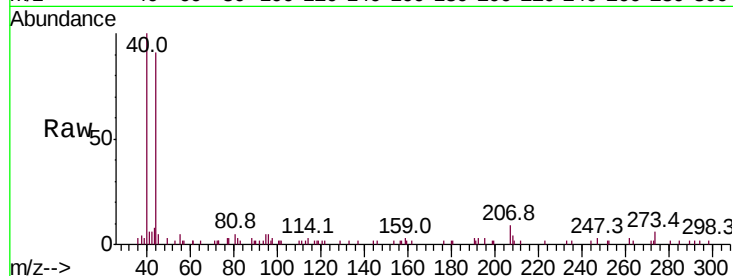
Tot Ion:146 Resp: 65

Ion Ratio Lower Upper

146 100

111 132.7 20.4 61.3#

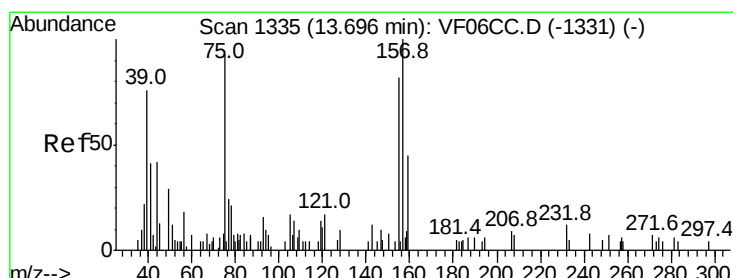
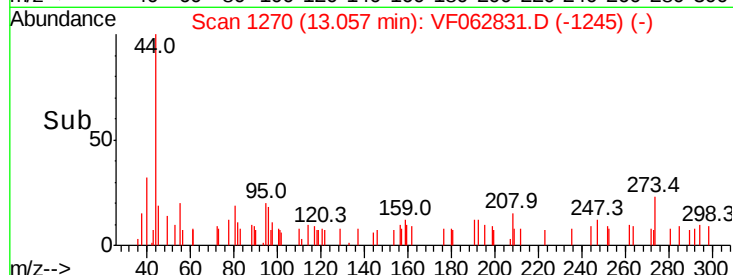
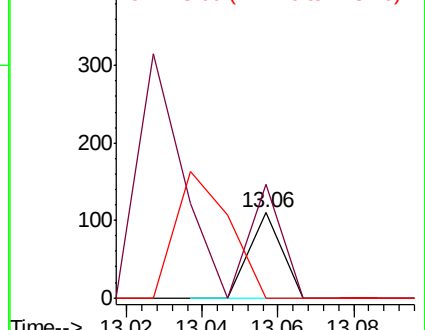
148 0.0 34.1 102.3#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3112.818 ug/l

RT: 13.71 min Scan# 1336

Delta R.T. 0.01 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

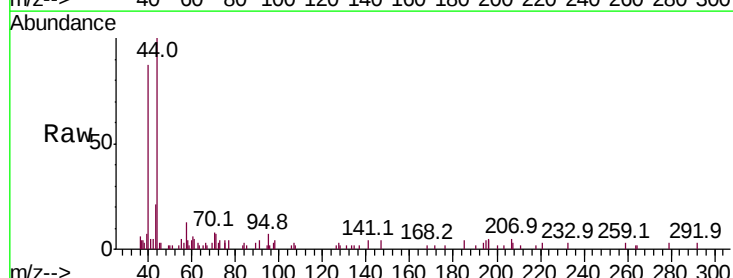
Tgt Ion: 75 Resp: 758

Ion Ratio Lower Upper

75 100

155 0.0 51.7 155.1#

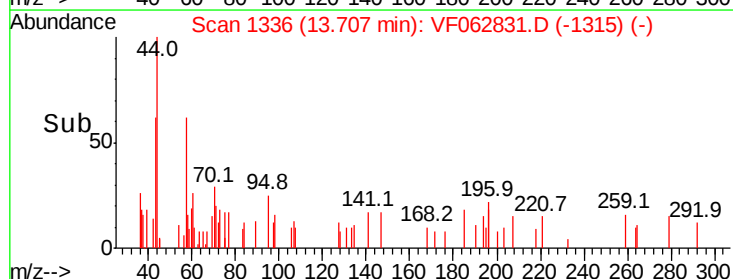
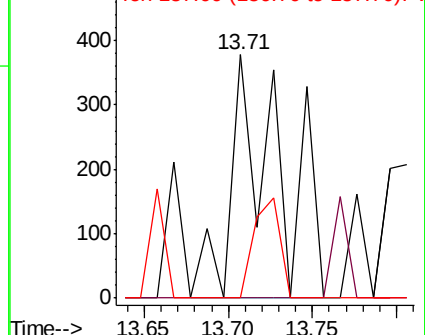
157 0.0 66.8 200.6#

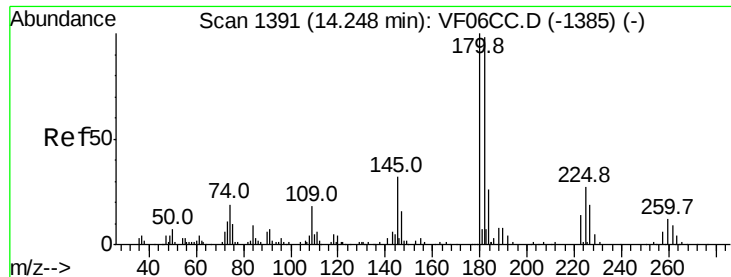


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 69.312 ug/l

RT: 14.29 min Scan# 1395

Delta R.T. 0.04 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

0432-HR-12(HACKENSACK)

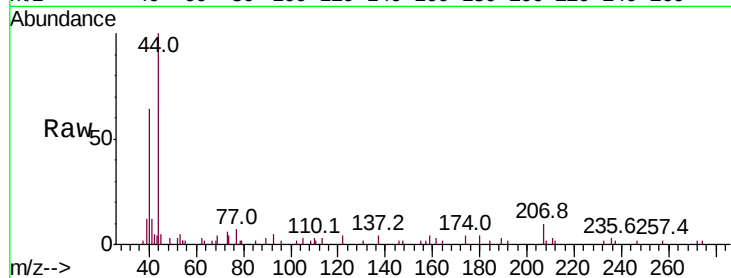
Tot Ion:180 Resp: 194

Ion Ratio Lower Upper

180 100

182 0.0 50.3 150.9#

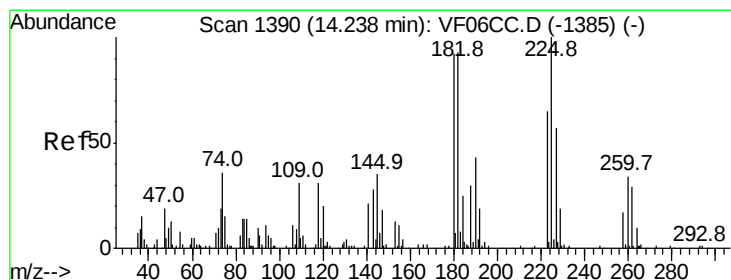
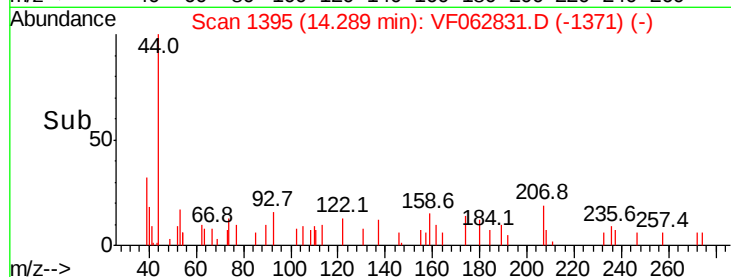
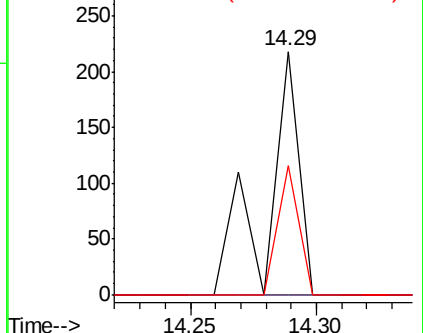
145 53.2 15.4 46.2#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 52.161 ug/l

RT: 14.23 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

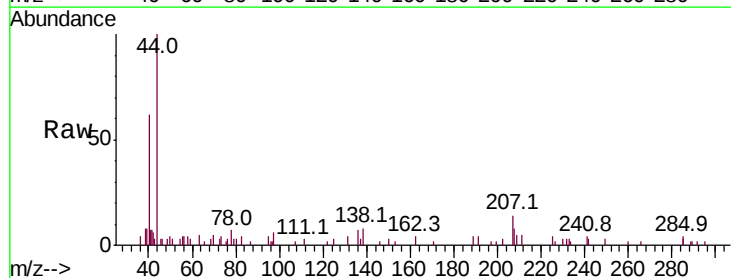
Tgt Ion:225 Resp: 101

Ion Ratio Lower Upper

225 100

223 0.0 30.8 92.4#

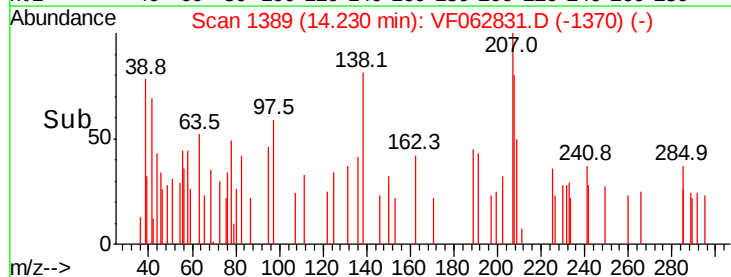
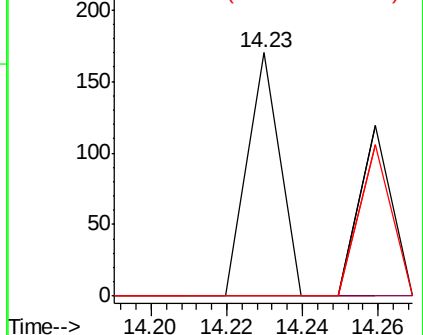
227 0.0 31.9 95.5#

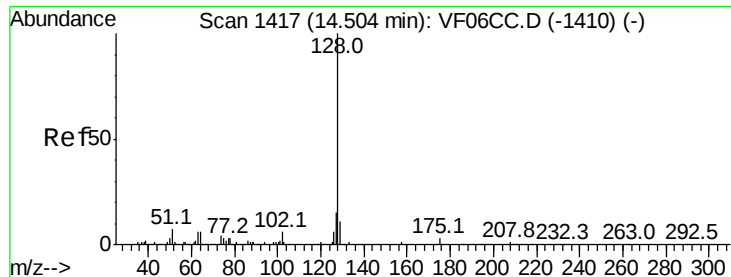


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 15.265 ug/l

RT: 14.55 min Scan# 1422

Delta R.T. 0.05 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

0432-HR-12(HACKENSACK)

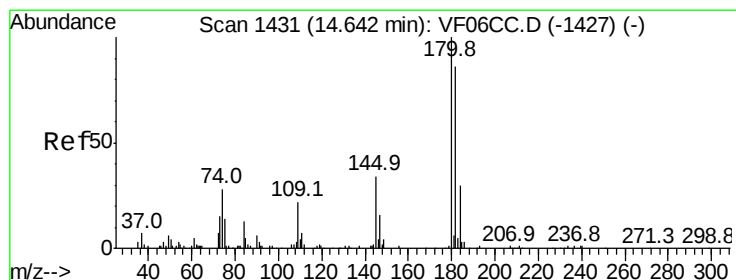
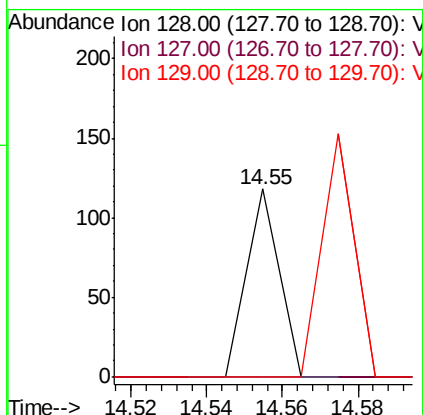
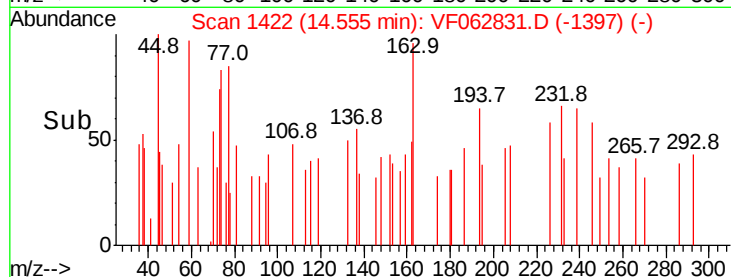
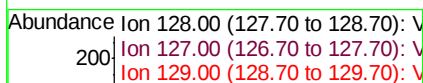
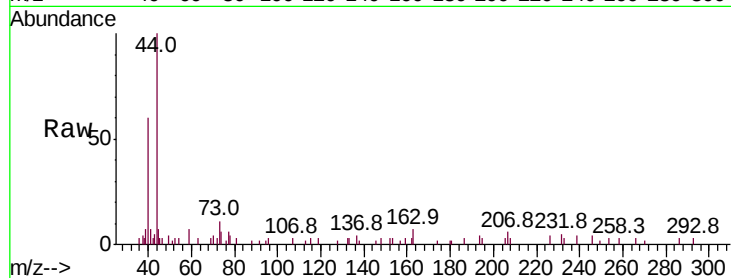
Tot Ion:128 Resp: 70

Ion Ratio Lower Upper

128 100

127 0.0 9.7 14.5#

129 0.0 9.4 14.2#



#96

1,2,3-Trichlorobenzene

Concen: 63.406 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062831.D

Acq: 3 Jun 2019 16:20

Tgt Ion:180 Resp: 162

Ion Ratio Lower Upper

180 100

182 0.0 48.6 145.9#

145 0.0 15.7 47.0#

